

At this time the Courthouse is open to the public. Anyone wishing to attend will need to call ahead at 913-684-0417 to reserve a seat as the meeting room has limited capacity. We are encouraging everyone to continue to view the meeting live via YouTube.

Leavenworth County
Board of County Commissioners

Regular Meeting Agenda
300 Walnut Street, Suite 225
Leavenworth, KS 66048
June 30, 2021
9:00 a.m.

- I. CALL TO ORDER
- II. PLEDGE OF ALLEGIANCE/MOMENT OF SILENCE
- III. ROLL CALL
- IV. PUBLIC COMMENT: Public Comment shall be limited to 15 minutes at the beginning of each meeting for agenda items **only** and limited to three minutes per person. Comments at the end of the meeting shall be open to any topic of general interest to the Board of County Commissioners and limited to five minutes per person. There should be no expectation of interaction by the Commission during this time.

Anyone wishing to make comments either on items on the agenda or not are encouraged to provide their comments in writing no later than 8:00 AM the Monday immediately preceding the meeting. These comments will be included in the agenda packet for everyone to access and review. This allows the Commission to have time to fully consider input and request follow up if needed prior to the meeting.
- V. ADMINISTRATIVE BUSINESS:
- VI. CONSENT AGENDA: The items on the Consent Agenda are considered by staff to be routine business items. Approval of the items may be made by a single motion, seconded, and a majority vote with no separate discussion of any item listed. Should a member of the Governing Body desire to discuss any item, it will be removed from the Consent Agenda and considered separately.

a) Approval of the minutes of the budget hearings of June 22, 2021

- b) Approval of the minutes of June 23, 2021
- c) Approval of the minutes of the work session of June 23, 2021
- d) Approval of the minutes of the budget hearings of June 23, 2021
- e) Approval of the schedule for the week July 5, 2021
- f) Approval of the check register
- g) Approve and sign the OCB's

VII. FORMAL BOARD ACTION:

- a) Consider a motion to approve and sign the AIA contract with ACI Boland for design services of the Cushing building.
- b) Consider a motion to accept the bid by CC&I Engineering for construction contract for HRRR project 52-C-5058-01.
- c) Consider a motion to approve Resolution 2021-21, a rezone from RR-2.5 to B-3 located at 19393 State Ave for Red Fuel Repair.
- d) Consider a motion to approve Resolution 2021-22, a special use permit for an athletic training facility for TNT Baseball Academy.
- e) Consider a motion to approve Resolution 2021-23, a special use permit for an archery range and pro shop for Elevated Archery.
- f) Consider a motion to approve Resolution 2021-24, a rezone from RR-5 to RR-2.5 located at the intersection of 254th and Conley Road.
- g) Consider a motion to authorize the chairman to sign the Emergency Management Performance Grant.

VIII. PRESENTATIONS AND DISCUSSION ITEMS: presentations are materials of general concern where no action or vote is requested or anticipated.

IX. ADDITIONAL PUBLIC COMMENT IF NEEDED

X. ADJOURNMENT

10:45 a.m. WORK SESSION TO DISCUSS THE HAZARD MITIGATION PLAN

LEAVENWORTH COUNTY COMMISSIONERS MEETING SCHEDULE

Monday, June 28, 2021

Tuesday, June 29, 2021

Wednesday, June 30, 2021

9:00 a.m. Leavenworth County Commission meeting
• Commission Meeting Room, 300 Walnut, Leavenworth KS

Thursday, July 1 2021

Friday, July 2, 2021

ALL SUCH OTHER BUSINESS THAT MAY COME BEFORE THE COMMISSION

ALL MEETINGS ARE OPEN TO THE PUBLIC

COMMENTS SHOULD BE OF GENERAL INTEREST OF THE PUBLIC AND SUBJECT TO THE RULES OF DECORUM

*****June 22, 2021 *****

The Board of County Commissioners met in a budget hearing work session on Tuesday, June 22, 2021. Commissioner Mike Smith, Commissioner Kaaz, Commissioner Culbertson, Commissioner Doug Smith and Commissioner Stieben are present; Also present: Mark Loughry, County Administrator; Linda Scheer, County Clerk's Office; John Richmeier, Leavenworth Times

The Board discussed the budget for Public Works to include Road and Bridge, Noxious Weed and Local Services Roads.

The Board discussed the budget for the County Attorney's Office.

The Board discussed the budget for the Register of Deeds.

The Board discussed the budget for Information Systems.

The Board recessed at 11:15 a.m. and will resume at 1:00 p.m.

The Board discussed the budget for the Leavenworth County Sheriff's Department.

The Board discussed the budget for EMS and the Health Department.

The Board discussed the budget for Buildings and Grounds to include the sewer districts.

The Board discussed the budget for Council on Aging.

The Board ended hearings at 2:45 p.m.

*****June 23, 2021*****

The Board of County Commissioners met in a regular session on Wednesday, June 23, 2021. Commissioner Mike Smith, Commissioner Kaaz, Commissioner Culbertson, Commissioner Doug Smith and Commissioner Stieben are present; Also present: Mark Loughry, County Administrator; David Van Parys, Senior County Counselor; Jim Sherley, Undersheriff; Krystal Voth, Planning and Zoning Director; Bill Noll, Infrastructure and Construction Services; John Richmeier, Leavenworth Times

Residents: AW Himpel, Joe Herring, Allan Stork, Dennis Taylor, John Matthews

PUBLIC COMMENT:

There were no public comments.

ADMINISTRATIVE BUSINESS:

Mark Loughry reminded the Board there are a few more budget hearings after the meeting.

Commissioner Stieben inquired about Atmos Energy abandoning natural gas lines.

David Van Parys indicated a letter could be sent to the Kansas Corporation Commission expressing concern over the reduction of infrastructure in Leavenworth County.

A motion was made by Commissioner Stieben and seconded by Commissioner Kaaz to instruct the County Counselor to draft a letter to the Kansas Corporation Commission expressing concern about the reduction of infrastructure.

Motion passed, 5-0.

A motion was made by Commissioner Culbertson and seconded by Commissioner Doug Smith to accept the consent agenda for Wednesday, June 23, 2021.

Motion passed, 5-0.

Jim Sherley requested acceptance of and the chairman's signature on the Byrne Grant Award.

A motion was made by Commissioner Doug Smith and seconded by Commissioner Culbertson to approve and have the chairman sign the Byrne Grant for the Leavenworth County Sheriff's Department.

Motion passed, 5-0.

Bill Noll requested to accept bid from Murphy Tractor for a 5-year lease for two articulating wheel loaders.

A motion was made by Commissioner Culbertson and seconded by Commissioner Mike Smith to approve the 5-year lease agreement replacing two articulating mowers for an annual payment of \$49,470.60.

Motion passed, 5-0.

Krystal Voth requested approval of Case Number DEV-21-030 and 031, a preliminary and final plat for Sunny Side Estates.

A motion was made by Commissioner Culbertson and seconded by Commissioner Doug Smith to approve Case Number DEV-21-030 and 031 a preliminary and final plat for Sunny Side Estates.

Motion passed, 5-0.

AW Himpel commented on a non-agenda item.

Commissioner Culbertson will be meeting with Jeff Pittman and internet providers.

Commissioner Kaaz participated in the Workforce Partnership CEO meeting and the Leavenworth City Commission meeting.

Commissioner Mike Smith reported the city of Lansing will be having their fireworks show this year on July 3.

Commissioner Doug Smith will attend the Basehor City Council meeting tonight and the Fairmount Township meeting tomorrow night.

Commissioner Stieben attended the Tonganoxie City Council meeting.

***A motion was made by Commissioner Kaaz and seconded by Commissioner Culbertson to adjourn.
Motion passed, 5-0.***

The Board adjourned at 9: 27 a.m.

*****June 23, 2021*****

The Board of County Commissioners met in a work session on Wednesday, June 23, 2021. Commissioner Mike Smith, Commissioner Doug Smith, Commissioner Culbertson, Commissioner Kaaz and Commissioner Stieben are present; Also present: Mark Loughry, County Administrator; David Van Parys, Senior County Counselor; Krystal Voth, Planning and Zoning Director; John Richmeier, Leavenworth Times

Residents: John Matthews, Dennis Taylor, AW Himpel

A work session was held to discuss applicants for the Planning Commission.

The Board ended the work session at 10:07 a.m.

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*****June 23, 2021 *****

The Board of County Commissioners met in a budget hearing work session on Wednesday, June 23, 2021. Commissioner Mike Smith, Commissioner Kaaz, Commissioner Culbertson, Commissioner Doug Smith and Commissioner Stieben are present; Also present: Mark Loughry, County Administrator; Linda Scheer, County Clerk's Office; John Richmeier, Leavenworth Times

The Board discussed the budgets for Adult and Juvenile Community Corrections.

The Board ended hearings at 10:20 a.m.

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LEAVENWORTH COUNTY COMMISSIONERS MEETING SCHEDULE

Monday, July 5, 2021 THE COURTHOUSE WILL BE CLOSED IN OBSERVANCE OF INDEPENDENCE DAY

Tuesday, July 6, 2021

Wednesday, July 7, 2021

9:00 a.m. Leavenworth County Commission meeting
 • Commission Meeting Room, 300 Walnut, Leavenworth KS

Thursday, July 8, 2021

12:00 p.m. LCDC meeting

Friday, July 9, 2021

July 9-12 2021 National Association of Counties Annual Conference and Business Meeting

ALL SUCH OTHER BUSINESS THAT MAY COME BEFORE THE COMMISSION

ALL MEETINGS ARE OPEN TO THE PUBLIC

COMMENTS SHOULD BE OF GENERAL INTEREST OF THE PUBLIC AND SUBJECT TO THE RULES OF DECORUM

START DATE: 06/21/2021 END DATE: 06/25/2021

TYPES OF CHECKS SELECTED: * ALL TYPES

			P.O.NUMBER	CHECK#					
2138	ABSOLUTE COMFORT TEC	ABSOLUTE COMFORT TECHNOLOGIES	320401	92711 AP	06/25/2021	1-001-5-31-297	725 LAMING, PLANNED GENERATOR	247.50	
20588	ADVANTAGE	ADVANTAGE PRINTING	320403	92713 AP	06/25/2021	1-001-5-19-301	ACCT 98 DIST CT ENVELOPES(JURY	954.00	
249	AMBERWELL	ATCHISON HOSPITAL	320404	92714 AP	06/25/2021	1-001-5-07-206	SHF - DRUG SCREEN, PHYS CAP PR	45.00	
249	AMBERWELL	ATCHISON HOSPITAL	320404	92714 AP	06/25/2021	1-001-5-07-206	SHF - DRUG SCREEN, PHYS CAP PR	95.00	
							*** VENDOR 249 TOTAL		140.00
296	BARTKOSKI TERRY	TERRY BARTKOSKI	320408	92718 AP	06/25/2021	1-001-5-06-205	MILEAGE REIM - PLANNING COMMIS	55.10	
1523	BOB BARKER	BOB BARKER CO INC	320409	92719 AP	06/25/2021	1-001-5-07-359	LEAKS6: LEAKS4 JAIL SUPPLIES	160.84	
1523	BOB BARKER	BOB BARKER CO INC	320409	92719 AP	06/25/2021	1-001-5-07-359	LEAKS6: LEAKS4 JAIL SUPPLIES	949.62	
							*** VENDOR 1523 TOTAL		1,110.46
2570	BOND ESCROW REFUND	KIMBELRY POGUE	320410	92720 AP	06/25/2021	1-001-5-06-208	REFUND SFR NOT BUILT RES-20-30	4,600.00	
340	BROOKS-JEFFREY	BROOKS-JEFFREY MARKETING INC	320411	92721 AP	06/25/2021	1-001-5-07-262	LVSOKS RE-DIRECT SHERIFF'S DOM	55.00	
2518	BROWN BEAR PRINTING	BROWN BEAR PRINTING	320375	92700 AP	06/22/2021	1-001-5-05-350	T=SHIRTS FOR EMTS AND MEDICS	807.86	
24545	CDW GOVERN	CDW GOVERNMENT INC	320412	92722 AP	06/25/2021	1-001-5-07-362	3773122 HP MONITOR (SHF)	152.08	
5637	CLEARWATER ENTERPRIS	CLEARWATER ENTERPRISES,LLC	320376	92701 AP	06/22/2021	1-001-5-05-215	GAS SERVICE 342-0317B24244	61.78	
2395	CMH PROFESSIONAL GRO	CMH PROFESSIONAL GROUP	320377	92702 AP	06/22/2021	1-001-5-14-321	SEXUAL ASSAULT EVIDENCE KITS	725.00	
2395	CMH PROFESSIONAL GRO	CMH PROFESSIONAL GROUP	320377	92702 AP	06/22/2021	1-001-5-14-321	SEXUAL ASSAULT EVIDENCE KITS	725.00	
2395	CMH PROFESSIONAL GRO	CMH PROFESSIONAL GROUP	320377	92702 AP	06/22/2021	1-001-5-14-321	SEXUAL ASSAULT EVIDENCE KITS	725.00	
							*** VENDOR 2395 TOTAL		2,175.00
648	COMMERCE BANK-COMMER	COMMERCE BANK-COMMERCIAL CARDS	320413	92728 AP	06/25/2021	1-001-5-01-202	KAC CONF, KS JUDICIAL BRANCH R	250.00	
648	COMMERCE BANK-COMMER	COMMERCE BANK-COMMERCIAL CARDS	320413	92728 AP	06/25/2021	1-001-5-02-203	KANSAS DEPT OF ADMINISTRATION-	75.00	
648	COMMERCE BANK-COMMER	COMMERCE BANK-COMMERCIAL CARDS	320413	92728 AP	06/25/2021	1-001-5-04-202	ROD - BASEHOR MAYOR'S LUNCHEON	9.04	
648	COMMERCE BANK-COMMER	COMMERCE BANK-COMMERCIAL CARDS	320413	92728 AP	06/25/2021	1-001-5-04-211	ROD - BASEHOR MAYOR'S LUNCHEON	5.96	
648	COMMERCE BANK-COMMER	COMMERCE BANK-COMMERCIAL CARDS	320413	92728 AP	06/25/2021	1-001-5-05-202	EMS TRAINNG, FIELD SUPPLY, UNIF,	1,040.00	
648	COMMERCE BANK-COMMER	COMMERCE BANK-COMMERCIAL CARDS	320413	92728 AP	06/25/2021	1-001-5-05-212	EMS TRAINNG, FIELD SUPPLY, UNIF,	199.80	
648	COMMERCE BANK-COMMER	COMMERCE BANK-COMMERCIAL CARDS	320413	92728 AP	06/25/2021	1-001-5-05-215	WASTE MANAGEMENT CTHSE	94.43	
648	COMMERCE BANK-COMMER	COMMERCE BANK-COMMERCIAL CARDS	320413	92728 AP	06/25/2021	1-001-5-05-215	TONGANOXIE WATER SVC EMS 9102	59.48	
648	COMMERCE BANK-COMMER	COMMERCE BANK-COMMERCIAL CARDS	320413	92728 AP	06/25/2021	1-001-5-05-216	EMS TRAINNG, FIELD SUPPLY, UNIF,	584.17	
648	COMMERCE BANK-COMMER	COMMERCE BANK-COMMERCIAL CARDS	320413	92728 AP	06/25/2021	1-001-5-05-280	MIDWEST MOBILE RADIO JUNE INVO	402.00	
648	COMMERCE BANK-COMMER	COMMERCE BANK-COMMERCIAL CARDS	320413	92728 AP	06/25/2021	1-001-5-05-282	EMS TRAINNG, FIELD SUPPLY, UNIF,	329.53	
648	COMMERCE BANK-COMMER	COMMERCE BANK-COMMERCIAL CARDS	320413	92728 AP	06/25/2021	1-001-5-05-301	EMS TRAINNG, FIELD SUPPLY, UNIF,	385.82	
648	COMMERCE BANK-COMMER	COMMERCE BANK-COMMERCIAL CARDS	320413	92728 AP	06/25/2021	1-001-5-05-306	EMS:SUPPLIES FOR VEH MAINT, FIE	431.43	
648	COMMERCE BANK-COMMER	COMMERCE BANK-COMMERCIAL CARDS	320413	92728 AP	06/25/2021	1-001-5-05-306	EMS:SUPPLIES FOR VEH MAINT, FIE	118.89	
648	COMMERCE BANK-COMMER	COMMERCE BANK-COMMERCIAL CARDS	320413	92728 AP	06/25/2021	1-001-5-05-306	EMS:SUPPLIES FOR VEH MAINT, FIE	54.97	
648	COMMERCE BANK-COMMER	COMMERCE BANK-COMMERCIAL CARDS	320413	92728 AP	06/25/2021	1-001-5-05-350	EMS TRAINNG, FIELD SUPPLY, UNIF,	331.30	
648	COMMERCE BANK-COMMER	COMMERCE BANK-COMMERCIAL CARDS	320413	92728 AP	06/25/2021	1-001-5-05-381	EMS:SUPPLIES FOR VEH MAINT, FIE	112.72	
648	COMMERCE BANK-COMMER	COMMERCE BANK-COMMERCIAL CARDS	320413	92728 AP	06/25/2021	1-001-5-05-381	EMS TRAINNG, FIELD SUPPLY, UNIF,	8,406.33	
648	COMMERCE BANK-COMMER	COMMERCE BANK-COMMERCIAL CARDS	320413	92728 AP	06/25/2021	1-001-5-05-383	EMS:SUPPLIES FOR VEH MAINT, FIE	57.01	
648	COMMERCE BANK-COMMER	COMMERCE BANK-COMMERCIAL CARDS	320413	92728 AP	06/25/2021	1-001-5-05-383	EMS:SUPPLIES FOR VEH MAINT, FIE	74.21	
648	COMMERCE BANK-COMMER	COMMERCE BANK-COMMERCIAL CARDS	320413	92728 AP	06/25/2021	1-001-5-06-202	APA MEMBERSHIP, PLANNING COMMIS	108.65	
648	COMMERCE BANK-COMMER	COMMERCE BANK-COMMERCIAL CARDS	320413	92728 AP	06/25/2021	1-001-5-06-203	APA MEMBERSHIP, PLANNING COMMIS	166.00	
648	COMMERCE BANK-COMMER	COMMERCE BANK-COMMERCIAL CARDS	320413	92728 AP	06/25/2021	1-001-5-06-213	WIPER FLUID	3.99	
648	COMMERCE BANK-COMMER	COMMERCE BANK-COMMERCIAL CARDS	320413	92728 AP	06/25/2021	1-001-5-07-202	AMERICAN RED CROSS TRAINING (S	160.00	
648	COMMERCE BANK-COMMER	COMMERCE BANK-COMMERCIAL CARDS	320413	92728 AP	06/25/2021	1-001-5-07-202	AMERICAN RED CROSS TRAINING (S	1,560.00	
648	COMMERCE BANK-COMMER	COMMERCE BANK-COMMERCIAL CARDS	320413	92728 AP	06/25/2021	1-001-5-07-202	LVCO UNIF, POLICE EQUIP, PRISONE	280.00	
648	COMMERCE BANK-COMMER	COMMERCE BANK-COMMERCIAL CARDS	320413	92728 AP	06/25/2021	1-001-5-07-202	LVCO UNIF, POLICE EQUIP, PRISONE	200.00	
648	COMMERCE BANK-COMMER	COMMERCE BANK-COMMERCIAL CARDS	320413	92728 AP	06/25/2021	1-001-5-07-203	LVCO UNIF, POLICE EQUIP, PRISONE	200.00	
648	COMMERCE BANK-COMMER	COMMERCE BANK-COMMERCIAL CARDS	320413	92728 AP	06/25/2021	1-001-5-07-208	WASTE MANAGEMENT CTHSE	352.60	
648	COMMERCE BANK-COMMER	COMMERCE BANK-COMMERCIAL CARDS	320413	92728 AP	06/25/2021	1-001-5-07-208	FIRST ADVANTAGE BACKGROUND CHE	8.95	
648	COMMERCE BANK-COMMER	COMMERCE BANK-COMMERCIAL CARDS	320413	92728 AP	06/25/2021	1-001-5-07-208	MIDWEST MOBILE RADIO JUNE INVO	175.00	
648	COMMERCE BANK-COMMER	COMMERCE BANK-COMMERCIAL CARDS	320413	92728 AP	06/25/2021	1-001-5-07-208	MIDWEST MOBILE RADIO JUNE INVO	700.00	
648	COMMERCE BANK-COMMER	COMMERCE BANK-COMMERCIAL CARDS	320413	92728 AP	06/25/2021	1-001-5-07-208	MIDWEST MOBILE RADIO JUNE INVO	230.00	
648	COMMERCE BANK-COMMER	COMMERCE BANK-COMMERCIAL CARDS	320413	92728 AP	06/25/2021	1-001-5-07-208	MIDWEST MOBILE RADIO JUNE INVO	535.00	

TYPES OF CHECKS SELECTED: * ALL TYPES

				P.O.NUMBER	CHECK#						
648	COMMERCE BANK-COMMER	COMMERCE BANK-COMMER	COMMERCE BANK-COMMERCIAL CARDS	320413	92728 AP	06/25/2021	1-001-5-07-209	EOC KEYS, WEATHERTAP SUBSCRIPT		89.95	
648	COMMERCE BANK-COMMER	COMMERCE BANK-COMMER	COMMERCE BANK-COMMERCIAL CARDS	320413	92728 AP	06/25/2021	1-001-5-07-210	AT&T SHF MONTHLY SVC		222.41	
648	COMMERCE BANK-COMMER	COMMERCE BANK-COMMER	COMMERCE BANK-COMMERCIAL CARDS	320413	92728 AP	06/25/2021	1-001-5-07-210	AT&T MONTHLY SVC		46.23	
648	COMMERCE BANK-COMMER	COMMERCE BANK-COMMER	COMMERCE BANK-COMMERCIAL CARDS	320413	92728 AP	06/25/2021	1-001-5-07-213	LVCO UNIF,POLICE EQUIP,PRISONE		2.67	
648	COMMERCE BANK-COMMER	COMMERCE BANK-COMMER	COMMERCE BANK-COMMERCIAL CARDS	320413	92728 AP	06/25/2021	1-001-5-07-218	LVCO UNIF,POLICE EQUIP,PRISONE		6.96	
648	COMMERCE BANK-COMMER	COMMERCE BANK-COMMER	COMMERCE BANK-COMMERCIAL CARDS	320413	92728 AP	06/25/2021	1-001-5-07-218	LVCO UNIF,POLICE EQUIP,PRISONE		211.67	
648	COMMERCE BANK-COMMER	COMMERCE BANK-COMMER	COMMERCE BANK-COMMERCIAL CARDS	320413	92728 AP	06/25/2021	1-001-5-07-219	LVCO UNIF,POLICE EQUIP,PRISONE		955.40	
648	COMMERCE BANK-COMMER	COMMERCE BANK-COMMER	COMMERCE BANK-COMMERCIAL CARDS	320413	92728 AP	06/25/2021	1-001-5-07-251	LVSO:UNIF,OFC SUPPLY,INVEST/SH		106.37	
648	COMMERCE BANK-COMMER	COMMERCE BANK-COMMER	COMMERCE BANK-COMMERCIAL CARDS	320413	92728 AP	06/25/2021	1-001-5-07-251	LVCO UNIF,POLICE EQUIP,PRISONE		416.64	
648	COMMERCE BANK-COMMER	COMMERCE BANK-COMMER	COMMERCE BANK-COMMERCIAL CARDS	320413	92728 AP	06/25/2021	1-001-5-07-251	LVCO UNIF,POLICE EQUIP,PRISONE		3.97	
648	COMMERCE BANK-COMMER	COMMERCE BANK-COMMER	COMMERCE BANK-COMMERCIAL CARDS	320413	92728 AP	06/25/2021	1-001-5-07-253	KSU RABIES EXAM 2 CATS		148.98	
648	COMMERCE BANK-COMMER	COMMERCE BANK-COMMER	COMMERCE BANK-COMMERCIAL CARDS	320413	92728 AP	06/25/2021	1-001-5-07-301	LVSO:UNIF,OFC SUPPLY,INVEST/SH		266.43	
648	COMMERCE BANK-COMMER	COMMERCE BANK-COMMER	COMMERCE BANK-COMMERCIAL CARDS	320413	92728 AP	06/25/2021	1-001-5-07-301	LVCO UNIF,POLICE EQUIP,PRISONE		62.41	
648	COMMERCE BANK-COMMER	COMMERCE BANK-COMMER	COMMERCE BANK-COMMERCIAL CARDS	320413	92728 AP	06/25/2021	1-001-5-07-301	EOC KEYS, WEATHERTAP SUBSCRIPT		3.00	
648	COMMERCE BANK-COMMER	COMMERCE BANK-COMMER	COMMERCE BANK-COMMERCIAL CARDS	320413	92728 AP	06/25/2021	1-001-5-07-350	LVSO:UNIF,OFC SUPPLY,INVEST/SH		272.93	
648	COMMERCE BANK-COMMER	COMMERCE BANK-COMMER	COMMERCE BANK-COMMERCIAL CARDS	320413	92728 AP	06/25/2021	1-001-5-07-350	LVCO UNIF,POLICE EQUIP,PRISONE		1,340.90	
648	COMMERCE BANK-COMMER	COMMERCE BANK-COMMER	COMMERCE BANK-COMMERCIAL CARDS	320413	92728 AP	06/25/2021	1-001-5-07-353	LVCO UNIF,POLICE EQUIP,PRISONE		765.94	
648	COMMERCE BANK-COMMER	COMMERCE BANK-COMMER	COMMERCE BANK-COMMERCIAL CARDS	320413	92728 AP	06/25/2021	1-001-5-07-353	LVCO UNIF,POLICE EQUIP,PRISONE		568.60	
648	COMMERCE BANK-COMMER	COMMERCE BANK-COMMER	COMMERCE BANK-COMMERCIAL CARDS	320413	92728 AP	06/25/2021	1-001-5-07-353	LVCO UNIF,POLICE EQUIP,PRISONE		49.94	
648	COMMERCE BANK-COMMER	COMMERCE BANK-COMMER	COMMERCE BANK-COMMERCIAL CARDS	320413	92728 AP	06/25/2021	1-001-5-07-356	LVCO UNIF,POLICE EQUIP,PRISONE		125.94	
648	COMMERCE BANK-COMMER	COMMERCE BANK-COMMER	COMMERCE BANK-COMMERCIAL CARDS	320413	92728 AP	06/25/2021	1-001-5-07-357	LVCO UNIF,POLICE EQUIP,PRISONE		43.00	
648	COMMERCE BANK-COMMER	COMMERCE BANK-COMMER	COMMERCE BANK-COMMERCIAL CARDS	320413	92728 AP	06/25/2021	1-001-5-07-359	LVCO UNIF,POLICE EQUIP,PRISONE		110.46	
648	COMMERCE BANK-COMMER	COMMERCE BANK-COMMER	COMMERCE BANK-COMMERCIAL CARDS	320413	92728 AP	06/25/2021	1-001-5-07-359	LVCO UNIF,POLICE EQUIP,PRISONE		92.93	
648	COMMERCE BANK-COMMER	COMMERCE BANK-COMMER	COMMERCE BANK-COMMERCIAL CARDS	320413	92728 AP	06/25/2021	1-001-5-07-360	LVSO:UNIF,OFC SUPPLY,INVEST/SH		95.36	
648	COMMERCE BANK-COMMER	COMMERCE BANK-COMMER	COMMERCE BANK-COMMERCIAL CARDS	320413	92728 AP	06/25/2021	1-001-5-07-360	LVCO UNIF,POLICE EQUIP,PRISONE		230.00	
648	COMMERCE BANK-COMMER	COMMERCE BANK-COMMER	COMMERCE BANK-COMMERCIAL CARDS	320413	92728 AP	06/25/2021	1-001-5-09-202	KAC CONF, KS JUDICIAL BRANCH R		200.00	
648	COMMERCE BANK-COMMER	COMMERCE BANK-COMMER	COMMERCE BANK-COMMERCIAL CARDS	320413	92728 AP	06/25/2021	1-001-5-11-202	CO ATTY:KCDAA CONF, SUPPLIES		142.50	
648	COMMERCE BANK-COMMER	COMMERCE BANK-COMMER	COMMERCE BANK-COMMERCIAL CARDS	320413	92728 AP	06/25/2021	1-001-5-11-203	KCDAA/NDAA CONF,KS SUPR CT DUE		1,400.00	
648	COMMERCE BANK-COMMER	COMMERCE BANK-COMMER	COMMERCE BANK-COMMERCIAL CARDS	320413	92728 AP	06/25/2021	1-001-5-11-205	KTA- COUNTY ATTORNEY		5.10	
648	COMMERCE BANK-COMMER	COMMERCE BANK-COMMER	COMMERCE BANK-COMMERCIAL CARDS	320413	92728 AP	06/25/2021	1-001-5-11-301	CO ATTY:KCDAA CONF, SUPPLIES		2,782.69	
648	COMMERCE BANK-COMMER	COMMERCE BANK-COMMER	COMMERCE BANK-COMMERCIAL CARDS	320413	92728 AP	06/25/2021	1-001-5-11-301	KCDAA/NDAA CONF,KS SUPR CT DUE		153.53	
648	COMMERCE BANK-COMMER	COMMERCE BANK-COMMER	COMMERCE BANK-COMMERCIAL CARDS	320413	92728 AP	06/25/2021	1-001-5-14-220	TONGANOXIE CITY WATER SVC 725		63.29	
648	COMMERCE BANK-COMMER	COMMERCE BANK-COMMER	COMMERCE BANK-COMMERCIAL CARDS	320413	92728 AP	06/25/2021	1-001-5-14-229	WASTE MANAGEMENT CTHSE		460.43	
648	COMMERCE BANK-COMMER	COMMERCE BANK-COMMER	COMMERCE BANK-COMMERCIAL CARDS	320413	92728 AP	06/25/2021	1-001-5-14-247	IRON MOUNTAIN SHREDDING CTHS,H		26.88	
648	COMMERCE BANK-COMMER	COMMERCE BANK-COMMER	COMMERCE BANK-COMMERCIAL CARDS	320413	92728 AP	06/25/2021	1-001-5-14-312	CORRECTING FOR .02 ERROR		.02-	
648	COMMERCE BANK-COMMER	COMMERCE BANK-COMMER	COMMERCE BANK-COMMERCIAL CARDS	320413	92728 AP	06/25/2021	1-001-5-14-332	LVCO UNIF,POLICE EQUIP,PRISONE		239.67	
648	COMMERCE BANK-COMMER	COMMERCE BANK-COMMER	COMMERCE BANK-COMMERCIAL CARDS	320413	92728 AP	06/25/2021	1-001-5-18-202	CUSHING+ALARMS,CONFERENCE,DIGI		75.00	
648	COMMERCE BANK-COMMER	COMMERCE BANK-COMMER	COMMERCE BANK-COMMERCIAL CARDS	320413	92728 AP	06/25/2021	1-001-5-18-213	CUSHING+ALARMS,CONFERENCE,DIGI		46.52	
648	COMMERCE BANK-COMMER	COMMERCE BANK-COMMER	COMMERCE BANK-COMMERCIAL CARDS	320413	92728 AP	06/25/2021	1-001-5-18-213	CUSHING+ALARMS,CONFERENCE,DIGI		993.29	
648	COMMERCE BANK-COMMER	COMMERCE BANK-COMMER	COMMERCE BANK-COMMERCIAL CARDS	320413	92728 AP	06/25/2021	1-001-5-18-213	CUSHING+ALARMS,CONFERENCE,DIGI		788.00	
648	COMMERCE BANK-COMMER	COMMERCE BANK-COMMER	COMMERCE BANK-COMMERCIAL CARDS	320413	92728 AP	06/25/2021	1-001-5-18-220	GRUBER POWER SERVICES		1,400.00	
648	COMMERCE BANK-COMMER	COMMERCE BANK-COMMER	COMMERCE BANK-COMMERCIAL CARDS	320413	92728 AP	06/25/2021	1-001-5-18-254	CUSHING+ALARMS,CONFERENCE,DIGI		19.99	
648	COMMERCE BANK-COMMER	COMMERCE BANK-COMMER	COMMERCE BANK-COMMERCIAL CARDS	320413	92728 AP	06/25/2021	1-001-5-19-301	EQUIP FOR COURT REPORTER,KS JU		325.83	
648	COMMERCE BANK-COMMER	COMMERCE BANK-COMMER	COMMERCE BANK-COMMERCIAL CARDS	320413	92728 AP	06/25/2021	1-001-5-19-301	EQUIP FOR COURT REPORTER,KS JU		920.00	
648	COMMERCE BANK-COMMER	COMMERCE BANK-COMMER	COMMERCE BANK-COMMERCIAL CARDS	320413	92728 AP	06/25/2021	1-001-5-28-215	SHRM HR MAGAZINE SUBSCRIPTION		219.00	
648	COMMERCE BANK-COMMER	COMMERCE BANK-COMMER	COMMERCE BANK-COMMERCIAL CARDS	320413	92728 AP	06/25/2021	1-001-5-28-301	IRON MOUNTAIN SHREDDING CTHS,H		13.45	
648	COMMERCE BANK-COMMER	COMMERCE BANK-COMMER	COMMERCE BANK-COMMERCIAL CARDS	320413	92728 AP	06/25/2021	1-001-5-31-297	SPEC BUILDING ANNEX,CH,HD,JUST		60.00	
648	COMMERCE BANK-COMMER	COMMERCE BANK-COMMER	COMMERCE BANK-COMMERCIAL CARDS	320413	92728 AP	06/25/2021	1-001-5-31-301	TOMLIN:OFFICE SUPPLIES, CUSHIN		59.07	
648	COMMERCE BANK-COMMER	COMMERCE BANK-COMMER	COMMERCE BANK-COMMERCIAL CARDS	320413	92728 AP	06/25/2021	1-001-5-31-312	SPEC BUILDING ANNEX,CH,HD,JUST		500.60	
648	COMMERCE BANK-COMMER	COMMERCE BANK-COMMER	COMMERCE BANK-COMMERCIAL CARDS	320413	92728 AP	06/25/2021	1-001-5-31-312	HERKEN:JC BLDG MAINT, HD,ANNEX		471.11	
648	COMMERCE BANK-COMMER	COMMERCE BANK-COMMER	COMMERCE BANK-COMMERCIAL CARDS	320413	92728 AP	06/25/2021	1-001-5-31-313	HERKEN:JC BLDG MAINT, HD,ANNEX		682.66	
648	COMMERCE BANK-COMMER	COMMERCE BANK-COMMER	COMMERCE BANK-COMMERCIAL CARDS	320413	92728 AP	06/25/2021	1-001-5-31-314	HERKEN:JC BLDG MAINT, HD,ANNEX		26.47	

START DATE: 06/21/2021 END DATE: 06/25/2021

TYPES OF CHECKS SELECTED: * ALL TYPES

			P.O.NUMBER	CHECK#							
648	COMMERCE BANK-COMMER	COMMERCE BANK-COMMERCIAL CARDS	320413	92728 AP	06/25/2021	1-001-5-31-316	HERKEN:JC BLDG MAINT, HD,ANNEX			86.34	
648	COMMERCE BANK-COMMER	COMMERCE BANK-COMMERCIAL CARDS	320413	92728 AP	06/25/2021	1-001-5-31-317	HERKEN:JC BLDG MAINT, HD,ANNEX			31.98	
648	COMMERCE BANK-COMMER	COMMERCE BANK-COMMERCIAL CARDS	320413	92728 AP	06/25/2021	1-001-5-31-322	HERKEN:JC BLDG MAINT, HD,ANNEX			58.96	
648	COMMERCE BANK-COMMER	COMMERCE BANK-COMMERCIAL CARDS	320413	92728 AP	06/25/2021	1-001-5-31-390	SPEC BUILDING ANNEX,CH,HD,JUST			625.08	
648	COMMERCE BANK-COMMER	COMMERCE BANK-COMMERCIAL CARDS	320413	92728 AP	06/25/2021	1-001-5-31-391	SPEC BUILDING ANNEX,CH,HD,JUST			287.89	
648	COMMERCE BANK-COMMER	COMMERCE BANK-COMMERCIAL CARDS	320413	92728 AP	06/25/2021	1-001-5-32-296	SPEC BUILDING ANNEX,CH,HD,JUST			141.48	
648	COMMERCE BANK-COMMER	COMMERCE BANK-COMMERCIAL CARDS	320413	92728 AP	06/25/2021	1-001-5-32-297	WASTE MANAGEMENT CTHSE			313.63	
648	COMMERCE BANK-COMMER	COMMERCE BANK-COMMERCIAL CARDS	320413	92728 AP	06/25/2021	1-001-5-32-391	SPEC BUILDING ANNEX,CH,HD,JUST			417.35	
648	COMMERCE BANK-COMMER	COMMERCE BANK-COMMERCIAL CARDS	320413	92728 AP	06/25/2021	1-001-5-32-391	GOETZ:JC BLDG MAINT SUPPLY			12.38	
648	COMMERCE BANK-COMMER	COMMERCE BANK-COMMERCIAL CARDS	320413	92728 AP	06/25/2021	1-001-5-32-391	HERKEN:JC BLDG MAINT, HD,ANNEX			247.64	
648	COMMERCE BANK-COMMER	COMMERCE BANK-COMMERCIAL CARDS	320413	92728 AP	06/25/2021	1-001-5-33-391	TOMLIN:OFFICE SUPPLIES, CUSHIN			110.70	
648	COMMERCE BANK-COMMER	COMMERCE BANK-COMMERCIAL CARDS	320413	92728 AP	06/25/2021	1-001-5-41-201	APPRAISER:GUIDES,COMP/OFC SUPP			61.80	
648	COMMERCE BANK-COMMER	COMMERCE BANK-COMMERCIAL CARDS	320413	92728 AP	06/25/2021	1-001-5-41-202	APPRAISER:GUIDES,COMP/OFC SUPP			418.36	
648	COMMERCE BANK-COMMER	COMMERCE BANK-COMMERCIAL CARDS	320413	92728 AP	06/25/2021	1-001-5-41-211	APPRAISER:GUIDES,COMP/OFC SUPP			5.10	
648	COMMERCE BANK-COMMER	COMMERCE BANK-COMMERCIAL CARDS	320413	92728 AP	06/25/2021	1-001-5-41-271	(6-2) FLEETHOSTER JULY SERVICE			98.80	
648	COMMERCE BANK-COMMER	COMMERCE BANK-COMMERCIAL CARDS	320413	92728 AP	06/25/2021	1-001-5-41-301	APPRAISER:GUIDES,COMP/OFC SUPP			186.97	
648	COMMERCE BANK-COMMER	COMMERCE BANK-COMMERCIAL CARDS	320413	92728 AP	06/25/2021	1-001-5-41-370	APPRAISER:GUIDES,COMP/OFC SUPP			371.95	
648	COMMERCE BANK-COMMER	COMMERCE BANK-COMMERCIAL CARDS	320413	92728 AP	06/25/2021	1-001-5-41-371	APPRAISER:GUIDES,COMP/OFC SUPP			331.27	
648	COMMERCE BANK-COMMER	COMMERCE BANK-COMMERCIAL CARDS	320413	92728 AP	06/25/2021	1-001-5-42-285	KAFM MEMBERSHIP,CONF,ARCGIS SV			175.00	
648	COMMERCE BANK-COMMER	COMMERCE BANK-COMMERCIAL CARDS	320413	92728 AP	06/25/2021	1-001-5-42-286	KAFM MEMBERSHIP,CONF,ARCGIS SV			20.00	
648	COMMERCE BANK-COMMER	COMMERCE BANK-COMMERCIAL CARDS	320413	92728 AP	06/25/2021	1-001-5-42-293	KAFM MEMBERSHIP,CONF,ARCGIS SV			100.00	
648	COMMERCE BANK-COMMER	COMMERCE BANK-COMMERCIAL CARDS	320413	92728 AP	06/25/2021	1-001-5-49-341	IRON MOUNTAIN SHREDDING CTHS,H			29.23	
648	COMMERCE BANK-COMMER	COMMERCE BANK-COMMERCIAL CARDS	320413	92728 AP	06/25/2021	1-001-5-53-202	NOXWEED:PARTS,TRAINING,DUES,FU			180.00	
648	COMMERCE BANK-COMMER	COMMERCE BANK-COMMERCIAL CARDS	320413	92728 AP	06/25/2021	1-001-5-53-203	NOXWEED:PARTS,TRAINING,DUES,FU			100.00	
648	COMMERCE BANK-COMMER	COMMERCE BANK-COMMERCIAL CARDS	320413	92728 AP	06/25/2021	1-001-5-53-207	WASTE MANAGEMENT - NOX WEED			65.65	
648	COMMERCE BANK-COMMER	COMMERCE BANK-COMMERCIAL CARDS	320413	92728 AP	06/25/2021	1-001-5-53-306	NOXWEED:PARTS,TRAINING,DUES,FU			497.87	
648	COMMERCE BANK-COMMER	COMMERCE BANK-COMMERCIAL CARDS	320413	92728 AP	06/25/2021	1-001-5-53-308	NOXWEED:PARTS,TRAINING,DUES,FU			139.04	
648	COMMERCE BANK-COMMER	COMMERCE BANK-COMMERCIAL CARDS	320413	92728 AP	06/25/2021	1-001-5-53-308	NOXWEED:PARTS,TRAINING,DUES,FU			8.35	
648	COMMERCE BANK-COMMER	COMMERCE BANK-COMMERCIAL CARDS	320413	92728 AP	06/25/2021	1-001-5-53-308	NOXWEED:PARTS,TRAINING,DUES,FU			1,471.38	
							*** VENDOR	648 TOTAL			42,210.63
156	CONVERGEONE	CONVERGEONE INC	320378	92703 AP	06/22/2021	1-001-5-07-208	AOSLVCO0001 SINGLEWIRE MAINT, T			1,476.00	
21300	DIST CT EMPL REIMB	STEVE CROSSLAND	320414	92729 AP	06/25/2021	1-001-5-19-213	REIM CLE			90.00	
86	EVERGY	EVERGY KANSAS CENTRAL INC	320380	92705 AP	06/22/2021	1-001-5-05-215	ELEC SVC EMS 9101			700.77	
86	EVERGY	EVERGY KANSAS CENTRAL INC	320415	92730 AP	06/25/2021	1-001-5-53-219	ELEC SVC NOX WEED			250.60	
							*** VENDOR	86 TOTAL			951.37
5824	FRONTIER	FORENSIC MEDICAL HOLDINGS OF K	320417	92732 AP	06/25/2021	1-001-5-13-271	INV17783 MAY AUTOPSIES LESS CD			1,850.00	
5824	FRONTIER	FORENSIC MEDICAL HOLDINGS OF K	320417	92732 AP	06/25/2021	1-001-5-13-271	INV17783 MAY AUTOPSIES LESS CD			1,850.00	
5824	FRONTIER	FORENSIC MEDICAL HOLDINGS OF K	320417	92732 AP	06/25/2021	1-001-5-13-271	INV17783 MAY AUTOPSIES LESS CD			1,850.00	
5824	FRONTIER	FORENSIC MEDICAL HOLDINGS OF K	320417	92732 AP	06/25/2021	1-001-5-13-271	INV17783 MAY AUTOPSIES LESS CD			1,850.00	
5824	FRONTIER	FORENSIC MEDICAL HOLDINGS OF K	320417	92732 AP	06/25/2021	1-001-5-13-271	INV17783 MAY AUTOPSIES LESS CD			1,850.00	
5824	FRONTIER	FORENSIC MEDICAL HOLDINGS OF K	320417	92732 AP	06/25/2021	1-001-5-13-271	INV17783 MAY AUTOPSIES LESS CD			50.00	
5824	FRONTIER	FORENSIC MEDICAL HOLDINGS OF K	320417	92732 AP	06/25/2021	1-001-5-13-271	INV17783 MAY AUTOPSIES LESS CD			50.00	
5824	FRONTIER	FORENSIC MEDICAL HOLDINGS OF K	320417	92732 AP	06/25/2021	1-001-5-13-271	INV17783 MAY AUTOPSIES LESS CD			50.00	
5824	FRONTIER	FORENSIC MEDICAL HOLDINGS OF K	320417	92732 AP	06/25/2021	1-001-5-13-271	INV17783 MAY AUTOPSIES LESS CD			50.00	
5824	FRONTIER	FORENSIC MEDICAL HOLDINGS OF K	320417	92732 AP	06/25/2021	1-001-5-13-271	INV17783 MAY AUTOPSIES LESS CD			25.00	
5824	FRONTIER	FORENSIC MEDICAL HOLDINGS OF K	320417	92732 AP	06/25/2021	1-001-5-13-271	INV17783 MAY AUTOPSIES LESS CD			25.00	
5824	FRONTIER	FORENSIC MEDICAL HOLDINGS OF K	320417	92732 AP	06/25/2021	1-001-5-13-271	INV17783 MAY AUTOPSIES LESS CD			15.00	
5824	FRONTIER	FORENSIC MEDICAL HOLDINGS OF K	320417	92732 AP	06/25/2021	1-001-5-13-271	INV17783 MAY AUTOPSIES LESS CD			1,850.00-	
5824	FRONTIER	FORENSIC MEDICAL HOLDINGS OF K	320417	92732 AP	06/25/2021	1-001-5-13-271	INV17783 MAY AUTOPSIES LESS CD			1,850.00-	
5824	FRONTIER	FORENSIC MEDICAL HOLDINGS OF K	320417	92732 AP	06/25/2021	1-001-5-13-271	INV17783 MAY AUTOPSIES LESS CD			1,850.00-	
							*** VENDOR	5824 TOTAL			3,965.00
27	HEALTH DEPT	LEAV CO HEALTH DEPT	320418	92733 AP	06/25/2021	1-001-5-05-285	EMS - IMMUNIZATIONS			70.00	

TYPES OF CHECKS SELECTED: * ALL TYPES

			P.O.NUMBER	CHECK#					
27	HEALTH DEPT	LEAV CO HEALTH DEPT	320418	92733 AP	06/25/2021	1-001-5-05-285	EMS - IMMUNIZATIONS	15.00	
							*** VENDOR	27 TOTAL	85.00
98	INTOXIMETE	INTOXIMETERS	320419	92734 AP	06/25/2021	1-001-5-07-353	COOKSLEA1: ALCO-SENSOR III X5	1,900.00	
99	JUROR			TWO JURY TRIALS					

warrants by vendor

TYPES OF CHECKS SELECTED: * ALL TYPES

		P.O.NUMBER	CHECK#							
99	JUROR									
							*** VENDOR	99 TOTAL	2,703.24	
4755	LEAV PAPER	LEAVENWORTH PAPER AND OFFICE S	320497	92812 AP	06/25/2021	1-001-5-49-301	PRIMARY LETTERS, PAPER	44.38		
4755	LEAV PAPER	LEAVENWORTH PAPER AND OFFICE S	320497	92812 AP	06/25/2021	1-001-5-49-344	PRIMARY LETTERS, PAPER	29.60		
							*** VENDOR	4755 TOTAL	73.98	
537	LEAV TIMES	LEAVENWORTH TIMES	320498	92813 AP	06/25/2021	1-001-5-06-218	ACCT 267 RESOLUTIONS	25.85		
537	LEAV TIMES	LEAVENWORTH TIMES	320498	92813 AP	06/25/2021	1-001-5-06-218	ACCT 267 RESOLUTIONS	22.25		
							*** VENDOR	537 TOTAL	48.10	
30000	MATTHEWS JOHN	JOHN MATTHEWS	320500	92815 AP	06/25/2021	1-001-5-06-205	MILEAGE - PLANNING COMMISSION	127.01		
2059	MIDWEST OFFICE TECH	MIDWEST OFFICE TECHNOLOGY INC	320501	92816 AP	06/25/2021	1-001-5-01-201	OPK595_K COPIER MAINT BOCC	312.82		
2059	MIDWEST OFFICE TECH	MIDWEST OFFICE TECHNOLOGY INC	320501	92816 AP	06/25/2021	1-001-5-03-301	OPL223_K COPIER MAINT CTHSE TR	104.16		
							*** VENDOR	2059 TOTAL	416.98	
1280	POSTMASTER	U S POSTMASTER	320505	92820 AP	06/25/2021	1-001-5-49-302	ELECTION BULK REPLY PERMIT 13-	740.00		
7098	QUILL CORP	QUILL CORP	320507	92822 AP	06/25/2021	1-001-5-01-301	C6310540 BOCC SUPPLIES	197.22		
7098	QUILL CORP	QUILL CORP	320507	92822 AP	06/25/2021	1-001-5-07-301	C8333027 JAIL, OFFICE SUPPLIES	10.18		
7098	QUILL CORP	QUILL CORP	320507	92822 AP	06/25/2021	1-001-5-07-301	C8333027 SHF OFFICE SUPPLIES	9.84		
7098	QUILL CORP	QUILL CORP	320507	92822 AP	06/25/2021	1-001-5-07-301	C8333027 SHF OFFICE SUPPLIES	84.39		
7098	QUILL CORP	QUILL CORP	320507	92822 AP	06/25/2021	1-001-5-07-301	C8333027 SHF OFFICE SUPPLIES	84.39		
7098	QUILL CORP	QUILL CORP	320507	92822 AP	06/25/2021	1-001-5-07-359	C8333027 JAIL, OFFICE SUPPLIES	527.36		
							*** VENDOR	7098 TOTAL	913.38	
458	ROAD & BRIDGE	LEAV CO PUBLIC WORKS	320508	92823 AP	06/25/2021	1-001-5-07-213	SHF/EOC GASOLINE, VEH MAINT	41.78		
458	ROAD & BRIDGE	LEAV CO PUBLIC WORKS	320508	92823 AP	06/25/2021	1-001-5-07-213	SHF/EOC GASOLINE, VEH MAINT	3,310.13		
458	ROAD & BRIDGE	LEAV CO PUBLIC WORKS	320508	92823 AP	06/25/2021	1-001-5-14-332	SHF/EOC GASOLINE, VEH MAINT	3,667.95		
458	ROAD & BRIDGE	LEAV CO PUBLIC WORKS	320508	92823 AP	06/25/2021	1-001-5-14-332	SHF/EOC GASOLINE, VEH MAINT	622.56		
458	ROAD & BRIDGE	LEAV CO PUBLIC WORKS	320508	92823 AP	06/25/2021	1-001-5-14-333	BLDGS & GROUNDS - FUEL	61.99		
458	ROAD & BRIDGE	LEAV CO PUBLIC WORKS	320508	92823 AP	06/25/2021	1-001-5-14-333	BLDGS & GROUNDS - FUEL	71.67		
458	ROAD & BRIDGE	LEAV CO PUBLIC WORKS	320508	92823 AP	06/25/2021	1-001-5-14-333	BLDGS & GROUNDS - FUEL	45.78		

warrants by vendor

START DATE: 06/21/2021 END DATE: 06/25/2021

TYPES OF CHECKS SELECTED: * ALL TYPES

		P.O.NUMBER	CHECK#							
458	ROAD & BRIDGE	LEAV CO PUBLIC WORKS	320508	92823 AP	06/25/2021	1-001-5-14-333	BLDGS & GROUNDS - FUEL	206.05		
458	ROAD & BRIDGE	LEAV CO PUBLIC WORKS	320508	92823 AP	06/25/2021	1-001-5-14-333	BLDGS & GROUNDS - FUEL	83.23		
458	ROAD & BRIDGE	LEAV CO PUBLIC WORKS	320508	92823 AP	06/25/2021	1-001-5-14-336	NOX WEED FUEL, VEHICLE MAINT	1,891.41		
458	ROAD & BRIDGE	LEAV CO PUBLIC WORKS	320508	92823 AP	06/25/2021	1-001-5-53-308	NOX WEED FUEL, VEHICLE MAINT	341.84		
								*** VENDOR	458 TOTAL	10,344.39
21594	ROSENTHAL	STEVEN ROSENTHAL	320509	92824 AP	06/25/2021	1-001-5-06-205	MILEAGE - PLANNING COMMISSION	88.23		
6550	SCAVUZZO'S INC	SCAVUZZO'S INC	320510	92825 AP	06/25/2021	1-001-5-07-359	7584019 JAIL SUPPLIES	253.75		
27867	SCHMIDT WOLF	WOLF SCHMIDT	320511	92826 AP	06/25/2021	1-001-5-06-205	MILEAGE - PLANNING COMMISSION	63.84		
295	SPINK JEFF	JEFF SPINK	320513	92828 AP	06/25/2021	1-001-5-06-205	MILEAGE - PLANNING COMMISSION	66.53		
49	ST LUKES	ST LUKES HOSPITAL	320382	92707 AP	06/22/2021	1-001-5-14-321	SEXUAL ASSAULT EVIDENCE KITS	725.00		
49	ST LUKES	ST LUKES HOSPITAL	320382	92707 AP	06/22/2021	1-001-5-14-321	SEXUAL ASSAULT EVIDENCE KITS	725.00		
								*** VENDOR	49 TOTAL	1,450.00
376	SYMMETRY	ATHENS ENERGY SERVICES HOLDING	320515	92830 AP	06/25/2021	1-001-5-33-392	413714 CUSHING GAS SERVICE	963.03		
376	SYMMETRY	ATHENS ENERGY SERVICES HOLDING	320515	92830 AP	06/25/2021	1-001-5-33-392	413714 CUSHING GAS SERVICE	418.07		
								*** VENDOR	376 TOTAL	1,381.10
17676	TANK MANAG	TANK MANAGEMENT SERVICES	320516	92831 AP	06/25/2021	1-001-5-07-403	6 CASES SPHAG SORB ABSORBANT	662.50		
261	TELEFLEX	TELEFLEX FUNDING LLC	320383	92708 AP	06/22/2021	1-001-5-05-381	1239536 FIELD SUPPLIES (IO NEE	1,115.50		
575	US POSTAL SERVICE	US POSTAL SERVICE (QUADIENT-PO	320517	92832 AP	06/25/2021	1-001-5-01-302	BOCC/LEGAL MAY POSTAGE	3.06		
575	US POSTAL SERVICE	US POSTAL SERVICE (QUADIENT-PO	320517	92832 AP	06/25/2021	1-001-5-04-302	MAY POSTAGE	8.87		
575	US POSTAL SERVICE	US POSTAL SERVICE (QUADIENT-PO	320517	92832 AP	06/25/2021	1-001-5-05-302	MAY POSTAGE EMS	298.20		
575	US POSTAL SERVICE	US POSTAL SERVICE (QUADIENT-PO	320517	92832 AP	06/25/2021	1-001-5-06-302	PLANNING MAY POSTAGE	68.23		
575	US POSTAL SERVICE	US POSTAL SERVICE (QUADIENT-PO	320517	92832 AP	06/25/2021	1-001-5-07-302	MAY POSTAGE - SHF	144.92		
575	US POSTAL SERVICE	US POSTAL SERVICE (QUADIENT-PO	320517	92832 AP	06/25/2021	1-001-5-09-302	BOCC/LEGAL MAY POSTAGE	70.32		
575	US POSTAL SERVICE	US POSTAL SERVICE (QUADIENT-PO	320517	92832 AP	06/25/2021	1-001-5-11-302	MAY POSTAGE - CO ATTY	654.70		
575	US POSTAL SERVICE	US POSTAL SERVICE (QUADIENT-PO	320517	92832 AP	06/25/2021	1-001-5-14-302	MAY POSTAGE	11.98		
575	US POSTAL SERVICE	US POSTAL SERVICE (QUADIENT-PO	320517	92832 AP	06/25/2021	1-001-5-19-302	DIST CT POSTAGE MAY	1,596.02		
575	US POSTAL SERVICE	US POSTAL SERVICE (QUADIENT-PO	320517	92832 AP	06/25/2021	1-001-5-28-302	MAY POSTAGE	23.66		
575	US POSTAL SERVICE	US POSTAL SERVICE (QUADIENT-PO	320517	92832 AP	06/25/2021	1-001-5-41-302	MAY POSTAGE - APPRAISER	303.84		
575	US POSTAL SERVICE	US POSTAL SERVICE (QUADIENT-PO	320517	92832 AP	06/25/2021	1-001-5-49-302	MAY POSTAGE	77.76		
575	US POSTAL SERVICE	US POSTAL SERVICE (QUADIENT-PO	320517	92832 AP	06/25/2021	1-001-5-53-301	MAY POSTAGE NOX WEED	22.74		
								*** VENDOR	575 TOTAL	3,284.30
2	WATER DEPT	WATER DEPT	320385	92710 AP	06/22/2021	1-001-5-05-215	WATER SVC EMS 9103	50.73		
100	WITNESS LIST									
								*** VENDOR	100 TOTAL	383.93
								TOTAL FUND 001		85,204.27

648	COMMERCE BANK-COMMER	COMMERCE BANK-COMMERCIAL CARDS	320413	92728 AP	06/25/2021	1-104-5-00-202	KCDAA/NDAA CONF,KS SUPR CT DUE	405.00		
								TOTAL FUND 104	405.00	

648	COMMERCE BANK-COMMER	COMMERCE BANK-COMMERCIAL CARDS	320413	92728 AP	06/25/2021	1-108-5-00-211	HEALTH: CONTRACTUAL, SUPPLIES, PH	11.00		
648	COMMERCE BANK-COMMER	COMMERCE BANK-COMMERCIAL CARDS	320413	92728 AP	06/25/2021	1-108-5-00-213	HEALTH: CONTRACTUAL, SUPPLIES, PH	31.98		
648	COMMERCE BANK-COMMER	COMMERCE BANK-COMMERCIAL CARDS	320413	92728 AP	06/25/2021	1-108-5-00-214	HEALTH: CONTRACTUAL, SUPPLIES, PH	650.00		
648	COMMERCE BANK-COMMER	COMMERCE BANK-COMMERCIAL CARDS	320413	92728 AP	06/25/2021	1-108-5-00-217	HEALTH: CONTRACTUAL, SUPPLIES, PH	339.00		
648	COMMERCE BANK-COMMER	COMMERCE BANK-COMMERCIAL CARDS	320413	92728 AP	06/25/2021	1-108-5-00-219	AT&T MOBILITY - HEALTH DEPT	165.16		
648	COMMERCE BANK-COMMER	COMMERCE BANK-COMMERCIAL CARDS	320413	92728 AP	06/25/2021	1-108-5-00-219	HEALTH: CONTRACTUAL, SUPPLIES, PH	564.21		
648	COMMERCE BANK-COMMER	COMMERCE BANK-COMMERCIAL CARDS	320413	92728 AP	06/25/2021	1-108-5-00-280	HEALTH: CONTRACTUAL, SUPPLIES, PH	1,448.71		
648	COMMERCE BANK-COMMER	COMMERCE BANK-COMMERCIAL CARDS	320413	92728 AP	06/25/2021	1-108-5-00-301	HEALTH: CONTRACTUAL, SUPPLIES, PH	2,877.24		
648	COMMERCE BANK-COMMER	COMMERCE BANK-COMMERCIAL CARDS	320413	92728 AP	06/25/2021	1-108-5-00-380	HEALTH: CONTRACTUAL, SUPPLIES, PH	900.31		

warrants by vendor

START DATE: 06/21/2021 END DATE: 06/25/2021

TYPES OF CHECKS SELECTED: * ALL TYPES

			P.O.NUMBER	CHECK#						
648	COMMERCE BANK-COMMER	COMMERCE BANK-COMMERCIAL CARDS	320413	92728 AP	06/25/2021	1-108-5-00-601	MIDWEST MOBILE RADIO JUNE INVO	75.00		
648	COMMERCE BANK-COMMER	COMMERCE BANK-COMMERCIAL CARDS	320413	92728 AP	06/25/2021	1-108-5-00-601	HEALTH:CONTRACTUAL,SUPPLIES,PH	194.41		
648	COMMERCE BANK-COMMER	COMMERCE BANK-COMMERCIAL CARDS	320413	92728 AP	06/25/2021	1-108-5-00-606	HEALTH:CONTRACTUAL,SUPPLIES,PH	374.11		
648	COMMERCE BANK-COMMER	COMMERCE BANK-COMMERCIAL CARDS	320413	92728 AP	06/25/2021	1-108-5-00-606	WIC MATERIALS	140.77		
648	COMMERCE BANK-COMMER	COMMERCE BANK-COMMERCIAL CARDS	320413	92728 AP	06/25/2021	1-108-5-00-610	TEEN PREGNANCY PROGRAM MATERIA	3,932.92		
							*** VENDOR 648 TOTAL			11,704.82
575	US POSTAL SERVICE	US POSTAL SERVICE (QUADIENT-PO	320517	92832 AP	06/25/2021	1-108-5-00-302	MAY POSTAGE HEALTH/WIC/TEEN PR	88.00		
575	US POSTAL SERVICE	US POSTAL SERVICE (QUADIENT-PO	320517	92832 AP	06/25/2021	1-108-5-00-606	MAY POSTAGE HEALTH/WIC/TEEN PR	279.83		
575	US POSTAL SERVICE	US POSTAL SERVICE (QUADIENT-PO	320517	92832 AP	06/25/2021	1-108-5-00-610	MAY POSTAGE HEALTH/WIC/TEEN PR	1.00		
							*** VENDOR 575 TOTAL			368.83
							TOTAL FUND 108			12,073.65

648	COMMERCE BANK-COMMER	COMMERCE BANK-COMMERCIAL CARDS	320413	92728 AP	06/25/2021	1-115-5-00-415	(6-2) FLEETHOSTER JULY SERVICE	19.00		
648	COMMERCE BANK-COMMER	COMMERCE BANK-COMMERCIAL CARDS	320413	92728 AP	06/25/2021	1-115-5-00-418	(6-2) FLEETHOSTER JULY SERVICE	38.95		
648	COMMERCE BANK-COMMER	COMMERCE BANK-COMMERCIAL CARDS	320413	92728 AP	06/25/2021	1-115-5-00-422	ESRI - ARCGIS DESKTOP LICENSES	6,712.60		
648	COMMERCE BANK-COMMER	COMMERCE BANK-COMMERCIAL CARDS	320413	92728 AP	06/25/2021	1-115-5-00-423	(6-2) FLEETHOSTER JULY SERVICE	78.85		
648	COMMERCE BANK-COMMER	COMMERCE BANK-COMMERCIAL CARDS	320413	92728 AP	06/25/2021	1-115-5-00-434	(6-2) FLEETHOSTER JULY SERVICE	529.15		
							*** VENDOR 648 TOTAL			7,378.55
							TOTAL FUND 115			7,378.55

24545	CDW GOVERN	CDW GOVERNMENT INC	320412	92722 AP	06/25/2021	1-117-5-00-301	3773122 2 MONITORS	347.38		
648	COMMERCE BANK-COMMER	COMMERCE BANK-COMMERCIAL CARDS	320413	92728 AP	06/25/2021	1-117-5-00-301	AMAZON-PRINTER STANDS/DUAL MON	79.30		
648	COMMERCE BANK-COMMER	COMMERCE BANK-COMMERCIAL CARDS	320413	92728 AP	06/25/2021	1-117-5-00-301	AMAZON-PRINTER STANDS/DUAL MON	213.68		
							*** VENDOR 648 TOTAL			292.98
							TOTAL FUND 117			640.36

2059	MIDWEST OFFICE TECH	MIDWEST OFFICE TECHNOLOGY INC	320501	92816 AP	06/25/2021	1-118-5-00-405	OPK223_K NEW COPIER - CTHSE TR	4,826.00		
							TOTAL FUND 118			4,826.00

1831	USD 469 AFTER SCHOOL	USD 469 AFTER SCHOOL VILLAGE	320384	92709 AP	06/22/2021	1-121-5-00-208	STATE GRANT REIM P2101-9	3,544.35		
26730	YAC	YOUTH ACHIEVEMENT CENTER	320523	92838 AP	06/25/2021	1-121-5-00-204	STATE REIMB 4TH QUARTER	720.00		
							TOTAL FUND 121			4,264.35

20588	ADVANTAGE	ADVANTAGE PRINTING	320403	92713 AP	06/25/2021	1-126-5-00-321	#10 ENVELOPES - COMM CORR	70.00		
648	COMMERCE BANK-COMMER	COMMERCE BANK-COMMERCIAL CARDS	320413	92728 AP	06/25/2021	1-126-5-00-221	(6-2) FLEETHOSTER JULY SERVICE	9.97		
648	COMMERCE BANK-COMMER	COMMERCE BANK-COMMERCIAL CARDS	320413	92728 AP	06/25/2021	1-126-5-00-222	PERSONAL CREATIONS,GOODCENTS,W	82.06		
648	COMMERCE BANK-COMMER	COMMERCE BANK-COMMERCIAL CARDS	320413	92728 AP	06/25/2021	1-126-5-00-226	GENOA (MEDS FOR CLIENT)	34.91		
648	COMMERCE BANK-COMMER	COMMERCE BANK-COMMERCIAL CARDS	320413	92728 AP	06/25/2021	1-126-5-00-321	PERSONAL CREATIONS,GOODCENTS,W	35.42		
							*** VENDOR 648 TOTAL			162.36
575	US POSTAL SERVICE	US POSTAL SERVICE (QUADIENT-PO	320517	92832 AP	06/25/2021	1-126-5-00-210	MAY POSTAGE COMM CORR	46.83		
							TOTAL FUND 126			279.19

648	COMMERCE BANK-COMMER	COMMERCE BANK-COMMERCIAL CARDS	320413	92728 AP	06/25/2021	1-127-5-00-3	PERSONAL CREATIONS,GOODCENTS,W	142.27		
648	COMMERCE BANK-COMMER	COMMERCE BANK-COMMERCIAL CARDS	320413	92728 AP	06/25/2021	1-127-5-00-3	PERSONAL CREATIONS,GOODCENTS,W	38.87		
							*** VENDOR 648 TOTAL			181.14
7098	QUILL CORP	QUILL CORP	320507	92822 AP	06/25/2021	1-127-5-00-3	C5645204 OFFICE SUPPLIES	200.99		
7098	QUILL CORP	QUILL CORP	320507	92822 AP	06/25/2021	1-127-5-00-3	C5645204 OFFICE SUPPLIES	295.62		
7098	QUILL CORP	QUILL CORP	320507	92822 AP	06/25/2021	1-127-5-00-3	C5645204 OFFICE SUPPLIES	93.77		
							*** VENDOR 7098 TOTAL			590.38
							TOTAL FUND 127			771.52

279	AT&T	AT&T (CLAIMS)	320406	92716 AP	06/25/2021	1-133-5-00-210	6-50 SWB-05-202105-01-0183-CMK	951.40		

START DATE: 06/21/2021 END DATE: 06/25/2021

TYPES OF CHECKS SELECTED: * ALL TYPES

			P.O. NUMBER	CHECK#						
648	COMMERCE BANK-COMMER	COMMERCE BANK-COMMERCIAL CARDS	320413	92728 AP	06/25/2021	1-133-5-00-201	6-56 PARTS, FACILITY, SUPPLIES, T		1,200.00	
648	COMMERCE BANK-COMMER	COMMERCE BANK-COMMERCIAL CARDS	320413	92728 AP	06/25/2021	1-133-5-00-207	6-29 MIDWEST MOBILE RADIO +NEW		375.00	
648	COMMERCE BANK-COMMER	COMMERCE BANK-COMMERCIAL CARDS	320413	92728 AP	06/25/2021	1-133-5-00-207	6-56 PARTS, FACILITY, SUPPLIES, T		1,601.54	
648	COMMERCE BANK-COMMER	COMMERCE BANK-COMMERCIAL CARDS	320413	92728 AP	06/25/2021	1-133-5-00-210	6-3 AT&T MOBILITY - SURVEY		102.45	
648	COMMERCE BANK-COMMER	COMMERCE BANK-COMMERCIAL CARDS	320413	92728 AP	06/25/2021	1-133-5-00-211	6-29 MIDWEST MOBILE RADIO +NEW		220.00	
648	COMMERCE BANK-COMMER	COMMERCE BANK-COMMERCIAL CARDS	320413	92728 AP	06/25/2021	1-133-5-00-214	6-57 FACILITY, PARTS, TIRES, SUPP		166.05	
648	COMMERCE BANK-COMMER	COMMERCE BANK-COMMERCIAL CARDS	320413	92728 AP	06/25/2021	1-133-5-00-301	6-57 FACILITY, PARTS, TIRES, SUPP		682.59	
648	COMMERCE BANK-COMMER	COMMERCE BANK-COMMERCIAL CARDS	320413	92728 AP	06/25/2021	1-133-5-00-301	6-57 FACILITY, PARTS, TIRES, SUPP		97.78	
648	COMMERCE BANK-COMMER	COMMERCE BANK-COMMERCIAL CARDS	320413	92728 AP	06/25/2021	1-133-5-00-301	6-57 FACILITY, PARTS, TIRES, SUPP		49.32	
648	COMMERCE BANK-COMMER	COMMERCE BANK-COMMERCIAL CARDS	320413	92728 AP	06/25/2021	1-133-5-00-301	6-56 PARTS, FACILITY, SUPPLIES, T		107.85	
648	COMMERCE BANK-COMMER	COMMERCE BANK-COMMERCIAL CARDS	320413	92728 AP	06/25/2021	1-133-5-00-301	6-56 PARTS, FACILITY, SUPPLIES, T		698.40	
648	COMMERCE BANK-COMMER	COMMERCE BANK-COMMERCIAL CARDS	320413	92728 AP	06/25/2021	1-133-5-00-309	6-57 FACILITY, PARTS, TIRES, SUPP		1,048.72	
648	COMMERCE BANK-COMMER	COMMERCE BANK-COMMERCIAL CARDS	320413	92728 AP	06/25/2021	1-133-5-00-311	6-56 PARTS, FACILITY, SUPPLIES, T		170.19	
648	COMMERCE BANK-COMMER	COMMERCE BANK-COMMERCIAL CARDS	320413	92728 AP	06/25/2021	1-133-5-00-312	6-57 FACILITY, PARTS, TIRES, SUPP		194.80	
648	COMMERCE BANK-COMMER	COMMERCE BANK-COMMERCIAL CARDS	320413	92728 AP	06/25/2021	1-133-5-00-312	6-56 PARTS, FACILITY, SUPPLIES, T		707.91	
648	COMMERCE BANK-COMMER	COMMERCE BANK-COMMERCIAL CARDS	320413	92728 AP	06/25/2021	1-133-5-00-360	6-57 FACILITY, PARTS, TIRES, SUPP		537.11	
648	COMMERCE BANK-COMMER	COMMERCE BANK-COMMERCIAL CARDS	320413	92728 AP	06/25/2021	1-133-5-00-360	6-57 FACILITY, PARTS, TIRES, SUPP		1,910.84	
648	COMMERCE BANK-COMMER	COMMERCE BANK-COMMERCIAL CARDS	320413	92728 AP	06/25/2021	1-133-5-00-360	6-56 PARTS, FACILITY, SUPPLIES, T		2,037.77	
648	COMMERCE BANK-COMMER	COMMERCE BANK-COMMERCIAL CARDS	320413	92728 AP	06/25/2021	1-133-5-00-363	6-57 FACILITY, PARTS, TIRES, SUPP		95.96	
648	COMMERCE BANK-COMMER	COMMERCE BANK-COMMERCIAL CARDS	320413	92728 AP	06/25/2021	1-133-5-00-364	6-57 FACILITY, PARTS, TIRES, SUPP		87.95	
648	COMMERCE BANK-COMMER	COMMERCE BANK-COMMERCIAL CARDS	320413	92728 AP	06/25/2021	1-133-5-00-364	6-56 PARTS, FACILITY, SUPPLIES, T		508.73	
648	COMMERCE BANK-COMMER	COMMERCE BANK-COMMERCIAL CARDS	320413	92728 AP	06/25/2021	1-133-5-00-365	6-56 PARTS, FACILITY, SUPPLIES, T		14.31	
648	COMMERCE BANK-COMMER	COMMERCE BANK-COMMERCIAL CARDS	320413	92728 AP	06/25/2021	1-133-5-00-365	6-56 PARTS, FACILITY, SUPPLIES, T		328.54	
648	COMMERCE BANK-COMMER	COMMERCE BANK-COMMERCIAL CARDS	320413	92728 AP	06/25/2021	1-133-5-00-365	6-56 PARTS, FACILITY, SUPPLIES, T		349.98	
648	COMMERCE BANK-COMMER	COMMERCE BANK-COMMERCIAL CARDS	320413	92728 AP	06/25/2021	1-133-5-00-440	6-57 FACILITY, PARTS, TIRES, SUPP		783.52	
648	COMMERCE BANK-COMMER	COMMERCE BANK-COMMERCIAL CARDS	320413	92728 AP	06/25/2021	1-133-5-00-440	6-57 FACILITY, PARTS, TIRES, SUPP		4,711.78	
648	COMMERCE BANK-COMMER	COMMERCE BANK-COMMERCIAL CARDS	320413	92728 AP	06/25/2021	1-133-5-00-440	6-56 PARTS, FACILITY, SUPPLIES, T		1,323.23	
								*** VENDOR	648 TOTAL	20,112.32
86	EVERGY	EVERGY KANSAS CENTRAL INC	320415	92730 AP	06/25/2021	1-133-5-00-251	6-51 ELEC SVC CO SHOP, ET AL		699.66	
86	EVERGY	EVERGY KANSAS CENTRAL INC	320415	92730 AP	06/25/2021	1-133-5-00-251	6-51 ELEC SVC CO SHOP, ET AL		159.44	
86	EVERGY	EVERGY KANSAS CENTRAL INC	320415	92730 AP	06/25/2021	1-133-5-00-251	6-51 ELEC SVC CO SHOP, ET AL		22.74	
86	EVERGY	EVERGY KANSAS CENTRAL INC	320415	92730 AP	06/25/2021	1-133-5-00-251	6-51 ELEC SVC CO SHOP, ET AL		39.55	
								*** VENDOR	86 TOTAL	921.39
70	FREESTATE ELECTRIC	FREESTATE ELECTRIC COOPERATIVE	320416	92731 AP	06/25/2021	1-133-5-00-251	6-53 REPAIR OF POWER LINE ACCT		952.78	
2666	MISC REIMBURSEMENTS	ELLIE SEELER	320504	92819 AP	06/25/2021	1-133-5-00-364	6-55 REIM SAFETY BOOTS		129.99	
113	SUMNERONE INC	SUMNERONE INC	320514	92829 AP	06/25/2021	1-133-5-00-301	6-54 SOULC08 CANON COPIER COUN		62.72	
575	US POSTAL SERVICE	US POSTAL SERVICE (QUADIENT-PO	320517	92832 AP	06/25/2021	1-133-5-00-301	6-35 MAY POSTAGE PUBLIC WORKS		37.58	
								TOTAL FUND 133	23,168.18	

20588	ADVANTAGE	ADVANTAGE PRINTING	320403	92713 AP	06/25/2021	1-136-5-00-301	#10 ENVELOPES - COMM CORR		35.00	
20588	ADVANTAGE	ADVANTAGE PRINTING	320403	92713 AP	06/25/2021	1-136-5-00-321	#10 ENVELOPES - COMM CORR		35.00	
								*** VENDOR	20588 TOTAL	70.00
648	COMMERCE BANK-COMMER	COMMERCE BANK-COMMERCIAL CARDS	320413	92728 AP	06/25/2021	1-136-5-00-221	(6-2) FLEETHOSTER JULY SERVICE		9.98	
648	COMMERCE BANK-COMMER	COMMERCE BANK-COMMERCIAL CARDS	320413	92728 AP	06/25/2021	1-136-5-00-234	STAX REF, NCTI-BOOKS (TRNG)		107.35	
648	COMMERCE BANK-COMMER	COMMERCE BANK-COMMERCIAL CARDS	320413	92728 AP	06/25/2021	1-136-5-00-236	STAX REF, NCTI-BOOKS (TRNG)		14.24-	
								*** VENDOR	648 TOTAL	103.09
7098	QUILL CORP	QUILL CORP	320507	92822 AP	06/25/2021	1-136-5-00-238	C5645204 OFFICE SUPPLIES		46.98	
7098	QUILL CORP	QUILL CORP	320507	92822 AP	06/25/2021	1-136-5-00-238	C5645204 OFFICE SUPPLIES		77.98	
7098	QUILL CORP	QUILL CORP	320507	92822 AP	06/25/2021	1-136-5-00-238	C5645204 OFFICE SUPPLIES		33.90	
7098	QUILL CORP	QUILL CORP	320507	92822 AP	06/25/2021	1-136-5-00-238	C5645204 OFFICE SUPPLIES		8.37	
7098	QUILL CORP	QUILL CORP	320507	92822 AP	06/25/2021	1-136-5-00-301	C5645204 OFFICE SUPPLIES		100.50	
7098	QUILL CORP	QUILL CORP	320507	92822 AP	06/25/2021	1-136-5-00-301	C5645204 OFFICE SUPPLIES		159.31	

TYPES OF CHECKS SELECTED: * ALL TYPES

		P.O.NUMBER	CHECK#							
7098	QUILL CORP	QUILL CORP	320507	92822 AP	06/25/2021	1-136-5-00-301	C5645204 OFFICE SUPPLIES		10.38	
7098	QUILL CORP	QUILL CORP	320507	92822 AP	06/25/2021	1-136-5-00-321	C5645204 OFFICE SUPPLIES		100.49	
7098	QUILL CORP	QUILL CORP	320507	92822 AP	06/25/2021	1-136-5-00-321	C5645204 OFFICE SUPPLIES		159.31	
7098	QUILL CORP	QUILL CORP	320507	92822 AP	06/25/2021	1-136-5-00-321	C5645204 OFFICE SUPPLIES		10.39	
								*** VENDOR	7098 TOTAL	707.61
575	US POSTAL SERVICE	US POSTAL SERVICE (QUADIENT-PO	320517	92832 AP	06/25/2021	1-136-5-00-301	COMM CORR JISP POSTAGE MAY		1.02	
								TOTAL FUND 136		881.72

648	COMMERCE BANK-COMMER	COMMERCE BANK-COMMERCIAL CARDS	320413	92728 AP	06/25/2021	1-137-5-00-320	6-14 BLADES,SEALS,FILTERS,TIRE		2,145.40	
648	COMMERCE BANK-COMMER	COMMERCE BANK-COMMERCIAL CARDS	320413	92728 AP	06/25/2021	1-137-5-00-320	6-14 BLADES,SEALS,FILTERS,TIRE		1,099.04	
648	COMMERCE BANK-COMMER	COMMERCE BANK-COMMERCIAL CARDS	320413	92728 AP	06/25/2021	1-137-5-00-321	6-14 BLADES,SEALS,FILTERS,TIRE		1,198.00	
								*** VENDOR	648 TOTAL	4,442.44
								TOTAL FUND 137		4,442.44

7098	QUILL CORP	QUILL CORP	320507	92822 AP	06/25/2021	1-138-5-00-301	C5645204 OFFICE SUPPLIES		13.98	
								TOTAL FUND 138		13.98

648	COMMERCE BANK-COMMER	COMMERCE BANK-COMMERCIAL CARDS	320413	92728 AP	06/25/2021	1-144-5-00-2	CO ON AGING: PALS		296.74	
648	COMMERCE BANK-COMMER	COMMERCE BANK-COMMERCIAL CARDS	320413	92728 AP	06/25/2021	1-144-5-00-2	CO ON AGING: PALS		153.32	
648	COMMERCE BANK-COMMER	COMMERCE BANK-COMMERCIAL CARDS	320413	92728 AP	06/25/2021	1-144-5-00-2	CO ON AGING: PALS		234.17	
								*** VENDOR	648 TOTAL	684.23
								TOTAL FUND 144		684.23

2621	BOOKER TERRY	TERRY BOOKER	320374	92699 AP	06/22/2021	1-145-5-00-256	MEALS RESERVED 6/1/21 - 6/18/2		7,629.60	
2621	BOOKER TERRY	TERRY BOOKER	320374	92699 AP	06/22/2021	1-145-5-00-256	MEALS RESERVED 6/1/21 - 6/18/2		9,480.90	
2621	BOOKER TERRY	TERRY BOOKER	320374	92699 AP	06/22/2021	1-145-5-00-256	MEALS RESERVED 6/1/21 - 6/18/2		9,557.40	
								*** VENDOR	2621 TOTAL	26,667.90
648	COMMERCE BANK-COMMER	COMMERCE BANK-COMMERCIAL CARDS	320413	92728 AP	06/25/2021	1-145-5-00-204	CO ON AGING - NONGRANT		46.00	
648	COMMERCE BANK-COMMER	COMMERCE BANK-COMMERCIAL CARDS	320413	92728 AP	06/25/2021	1-145-5-00-208	CO ON AGING - NONGRANT		148.28	
648	COMMERCE BANK-COMMER	COMMERCE BANK-COMMERCIAL CARDS	320413	92728 AP	06/25/2021	1-145-5-00-210	CO ON AGING - NONGRANT		40.00	
648	COMMERCE BANK-COMMER	COMMERCE BANK-COMMERCIAL CARDS	320413	92728 AP	06/25/2021	1-145-5-00-211	CO ON AGING - NONGRANT		19.60	
648	COMMERCE BANK-COMMER	COMMERCE BANK-COMMERCIAL CARDS	320413	92728 AP	06/25/2021	1-145-5-00-213	CO ON AGING - NONGRANT		348.66	
648	COMMERCE BANK-COMMER	COMMERCE BANK-COMMERCIAL CARDS	320413	92728 AP	06/25/2021	1-145-5-00-252	CO ON AGING - NONGRANT		6.48	
648	COMMERCE BANK-COMMER	COMMERCE BANK-COMMERCIAL CARDS	320413	92728 AP	06/25/2021	1-145-5-00-254	CO ON AGING - NONGRANT		144.95	
648	COMMERCE BANK-COMMER	COMMERCE BANK-COMMERCIAL CARDS	320413	92728 AP	06/25/2021	1-145-5-00-255	CO ON AGING - NONGRANT		32.63	
648	COMMERCE BANK-COMMER	COMMERCE BANK-COMMERCIAL CARDS	320413	92728 AP	06/25/2021	1-145-5-00-301	CO ON AGING - NONGRANT		11.98	
648	COMMERCE BANK-COMMER	COMMERCE BANK-COMMERCIAL CARDS	320413	92728 AP	06/25/2021	1-145-5-00-303	CO ON AGING - NONGRANT		199.67	
648	COMMERCE BANK-COMMER	COMMERCE BANK-COMMERCIAL CARDS	320413	92728 AP	06/25/2021	1-145-5-00-303	CO ON AGING - NONGRANT		175.00	
648	COMMERCE BANK-COMMER	COMMERCE BANK-COMMERCIAL CARDS	320413	92728 AP	06/25/2021	1-145-5-00-305	CO ON AGING - NONGRANT		59.99	
648	COMMERCE BANK-COMMER	COMMERCE BANK-COMMERCIAL CARDS	320413	92728 AP	06/25/2021	1-145-5-00-305	CO ON AGING - NONGRANT		7.47	
648	COMMERCE BANK-COMMER	COMMERCE BANK-COMMERCIAL CARDS	320413	92728 AP	06/25/2021	1-145-5-00-306	CO ON AGING - NONGRANT		136.66	
648	COMMERCE BANK-COMMER	COMMERCE BANK-COMMERCIAL CARDS	320413	92728 AP	06/25/2021	1-145-5-00-306	CO ON AGING - NONGRANT		159.00	
								*** VENDOR	648 TOTAL	1,536.37
86	EVERGY	EVERGY KANSAS CENTRAL INC	320415	92730 AP	06/25/2021	1-145-5-00-246	ELEC SVC COUNCIL ON AGING		1,238.12	
4755	LEAV PAPER	LEAVENWORTH PAPER AND OFFICE S	320497	92812 AP	06/25/2021	1-145-5-00-303	CO ON AGING - INK CARTRIDGES		138.58	
2059	MIDWEST OFFICE TECH	MIDWEST OFFICE TECHNOLOGY INC	320501	92816 AP	06/25/2021	1-145-5-00-208	CO ON AGING - COPIER CONTRACT		639.90	
2666	MISC REIMBURSEMENTS	RANDY DAY	320502	92817 AP	06/25/2021	1-145-5-00-205	REIM MILEAGE - STAFF MEETING		11.20	
2666	MISC REIMBURSEMENTS	RUBY BARCLAY	320503	92818 AP	06/25/2021	1-145-5-00-205	REIM MILEAGE - STAFF MEETING		23.86	
								*** VENDOR	2666 TOTAL	35.06
575	US POSTAL SERVICE	US POSTAL SERVICE (QUADIENT-PO	320517	92832 AP	06/25/2021	1-145-5-00-302	MAY POSTAGE CO ON AGING		8.63	
								TOTAL FUND 145		30,264.56

START DATE: 06/21/2021 END DATE: 06/25/2021

TYPES OF CHECKS SELECTED: * ALL TYPES

			P.O.NUMBER	CHECK#						
648	COMMERCE BANK-COMMER	COMMERCE BANK-COMMERCIAL CARDS	320413	92728 AP	06/25/2021	1-146-5-00-218	IRON MOUNTAIN SHREDDING CTHS,H		113.75	
648	COMMERCE BANK-COMMER	COMMERCE BANK-COMMERCIAL CARDS	320413	92728 AP	06/25/2021	1-146-5-00-301	CTS OFFICE SUPPLIES, END OF MO		420.92	
648	COMMERCE BANK-COMMER	COMMERCE BANK-COMMERCIAL CARDS	320413	92728 AP	06/25/2021	1-146-5-00-301	CTS OFFICE SUPPLIES, END OF MO		1,130.98	
648	COMMERCE BANK-COMMER	COMMERCE BANK-COMMERCIAL CARDS	320413	92728 AP	06/25/2021	1-146-5-00-301	CTS OFFICE SUPPLIES, END OF MO		1,878.33	
648	COMMERCE BANK-COMMER	COMMERCE BANK-COMMERCIAL CARDS	320413	92728 AP	06/25/2021	1-146-5-00-301	CTS OFFICE SUPPLIES, END OF MO		293.09	
							*** VENDOR	648 TOTAL		3,837.07
575	US POSTAL SERVICE	US POSTAL SERVICE (QUADIENT-PO	320517	92832 AP	06/25/2021	1-146-5-00-302	MAY POSTAGE CTS (MOTOR VEHICLE		1,365.72	
							TOTAL FUND 146			5,202.79

648	COMMERCE BANK-COMMER	COMMERCE BANK-COMMERCIAL CARDS	320413	92728 AP	06/25/2021	1-153-5-00-401	(6-2) FLEETHOSTER JULY SERVICE		788.50	
							TOTAL FUND 153			788.50

648	COMMERCE BANK-COMMER	COMMERCE BANK-COMMERCIAL CARDS	320413	92728 AP	06/25/2021	1-155-5-00-403	(6-2) FLEETHOSTER JULY SERVICE		19.95	
							TOTAL FUND 155			19.95

26195	ADVANCE AUTO PARTS	GENERAL PARTS DISTRIBUTION	320402	92712 AP	06/25/2021	1-160-5-00-213	670030 GREASE, AIR FITTING/PIT		124.80	
26195	ADVANCE AUTO PARTS	GENERAL PARTS DISTRIBUTION	320402	92712 AP	06/25/2021	1-160-5-00-213	670030 GREASE, AIR FITTING/PIT		39.00	
							*** VENDOR	26195 TOTAL		163.80
648	COMMERCE BANK-COMMER	COMMERCE BANK-COMMERCIAL CARDS	320413	92728 AP	06/25/2021	1-160-5-00-203	TRANSFER STATION:CONTRACTUA,DU		313.00	
648	COMMERCE BANK-COMMER	COMMERCE BANK-COMMERCIAL CARDS	320413	92728 AP	06/25/2021	1-160-5-00-213	TRANSFER STATION:LIGHT,OUTLET,		80.11	
648	COMMERCE BANK-COMMER	COMMERCE BANK-COMMERCIAL CARDS	320413	92728 AP	06/25/2021	1-160-5-00-213	TRANSFER STATION:LIGHT,OUTLET,		22.47	
648	COMMERCE BANK-COMMER	COMMERCE BANK-COMMERCIAL CARDS	320413	92728 AP	06/25/2021	1-160-5-00-263	TRANSFER STATION:CONTRACTUA,DU		51.37	
648	COMMERCE BANK-COMMER	COMMERCE BANK-COMMERCIAL CARDS	320413	92728 AP	06/25/2021	1-160-5-00-301	TRANSFER STATION:CONTRACTUA,DU		600.94	
648	COMMERCE BANK-COMMER	COMMERCE BANK-COMMERCIAL CARDS	320413	92728 AP	06/25/2021	1-160-5-00-305	TRANSFER STATION:CONTRACTUA,DU		106.50	
							*** VENDOR	648 TOTAL		1,174.39
17209	REDDI SERV	REDDI SERVICES	320381	92706 AP	06/22/2021	1-160-5-00-263	JUNE SEPTIC		295.00	
458	ROAD & BRIDGE	LEAV CO PUBLIC WORKS	320508	92823 AP	06/25/2021	1-160-5-00-304	TRANSFER STATION - FUEL FOR #4		25.17	
575	US POSTAL SERVICE	US POSTAL SERVICE (QUADIENT-PO	320517	92832 AP	06/25/2021	1-160-5-00-201	MAY POSTAGE TRANSFER STATION		20.40	
							TOTAL FUND 160			1,678.76

2138	ABSOLUTE COMFORT TEC	ABSOLUTE COMFORT TECHNOLOGIES	320401	92711 AP	06/25/2021	1-174-5-00-210	DESOTO TOWER SITE GENERATOR MA		850.20	
8020	APCO INT'L	APCO INTERNATIONAL	320405	92715 AP	06/25/2021	1-174-5-00-202	RECERT - DISPATCHER MCKINZIE		30.00	
8020	APCO INT'L	APCO INTERNATIONAL	320405	92715 AP	06/25/2021	1-174-5-00-202	CTO RECERT DISPATCHER MCKINZIE		30.00	
							*** VENDOR	8020 TOTAL		60.00
1737	AT&T-CAROL STREAM IL	AT&T	320407	92717 AP	06/25/2021	1-174-5-00-210	913A38-0682-421-2 4 TOWERS		91.09	
1737	AT&T-CAROL STREAM IL	AT&T	320407	92717 AP	06/25/2021	1-174-5-00-210	913A38-0682-421-2 4 TOWERS		91.09	
1737	AT&T-CAROL STREAM IL	AT&T	320407	92717 AP	06/25/2021	1-174-5-00-210	913A38-0682-421-2 4 TOWERS		87.02	
1737	AT&T-CAROL STREAM IL	AT&T	320407	92717 AP	06/25/2021	1-174-5-00-210	913A38-0682-421-2 4 TOWERS		169.94	
							*** VENDOR	1737 TOTAL		439.14
648	COMMERCE BANK-COMMER	COMMERCE BANK-COMMERCIAL CARDS	320413	92728 AP	06/25/2021	1-174-5-00-261	MIDWEST MOBILE RADIO JUNE INVO		268.78	
6636	KANSAS GAS	KANSAS GAS SERVICE	320495	92810 AP	06/25/2021	1-174-5-00-210	510614745 2007004-82 GAS SERVI		59.04	
1991	MARC	MID-AMERICA REGIONAL COUNCIL	320499	92814 AP	06/25/2021	1-174-5-00-210	MAY 911 MARC EQUIPMENT		26,067.85	
1613	POWERPHONE	POWERPHONE	320506	92821 AP	06/25/2021	1-174-5-00-210	EMS RECERT DISPATCHER		129.00	
							TOTAL FUND 174			27,874.01

8661	KANSAS SECURED-LV	KANSAS SECURED TITLE - LEAVENW	320496	92811 AP	06/25/2021	1-189-5-00-2	6-1 INFO REPORT UPDATE BELL ES		300.00	
							TOTAL FUND 189			300.00

2	WATER DEPT	WATER DEPT	320385	92710 AP	06/22/2021	1-195-5-00-290	WATER SVC JDC		84.60	
							TOTAL FUND 195			84.60

4752	SKC COMMUN	SKC COMMUNICATIONS PRODUCTS	320512	92827 AP	06/25/2021	1-197-5-00-201	ACCT 32580 PROCESSORS,MICS,PAR		16,403.16	

TYPES OF CHECKS SELECTED: * ALL TYPES

		P.O.NUMBER	CHECK#					TOTAL FUND 197	16,403.16
1032	EMS	LEAV CO EMS	320379	92704 AP	06/22/2021	1-198-5-16-200	REMAINING MONIES-EMS PROVIDER	19,555.52	
								TOTAL FUND 198	19,555.52
648	COMMERCE BANK-COMMER	COMMERCE BANK-COMMERCIAL CARDS	320413	92728 AP	06/25/2021	1-212-5-00-2	JCI INDUSTRIES - PUMP REPAIR &	6,152.40	
								TOTAL FUND 212	6,152.40
648	COMMERCE BANK-COMMER	COMMERCE BANK-COMMERCIAL CARDS	320413	92728 AP	06/25/2021	1-218-5-00-2	GOETZ:UPS STORE - SHIP OMNISIT	10.00	
								TOTAL FUND 218	10.00
								TOTAL ALL CHECKS	253,367.69

TYPES OF CHECKS SELECTED: * ALL TYPES

FUND SUMMARY

001	GENERAL	85,204.27
104	DRUG PROSECUTOR'S FUND	405.00
108	COUNTY HEALTH	12,073.65
115	EQUIPMENT RESERVE	7,378.55
117	CO CLERK TECHNOLOGY	640.36
118	TREASURER TECH FUND	4,826.00
121	JUVENILE JUSTICE AUTHORITY	4,264.35
126	COMM CORR ADULT	279.19
127	COMM CORR ADULT NON GRANT	771.52
133	ROAD & BRIDGE	23,168.18
136	COMM CORR JUVENILE	881.72
137	LOCAL SERVICE ROAD & BRIDGE	4,442.44
138	JUV INTAKE & ASSESSMENT	13.98
144	PALS (PETS AND LOVING SENIORS	684.23
145	COUNCIL ON AGING	30,264.56
146	COUNTY TREASURER SPECIAL	5,202.79
153	PUBLIC WORKS,EQUIP.RESERVE FUND	788.50
155	LSR CAPITAL EQUIP RESERVE	19.95
160	SOLID WASTE MANAGEMENT	1,678.76
174	911	27,874.01
189	TONGANOXIE TWP TRAFFIC IMPACT	300.00
195	JUVENILE DETENTION	84.60
197	INK FEE FUND	16,403.16
198	SPECIAL GRANTS	19,555.52
212	SEWER DISTRICT 2: TIMBERLAKES	6,152.40
218	SEWER DIST #5	10.00
	TOTAL ALL FUNDS	253,367.69

Consent Agenda 6-30-2021

Checks dated 6/21-6/25

Leavenworth County Request for Board Action

Date: June 30, 2021

To: Board of County Commissioners

From: Buildings and Grounds

Department Head Approval: *Aaron Yoakam*

Additional Reviews as needed:

Budget Review **Administrator Review** **Legal Review**

Action Requested: Approve and sign AIA Contract with ACI Boland .

Recommendation: Approve and sign AIA contract with previously selected architectural firm ACI Boland.

Analysis: The selection committee and the Board previously selected ACI Boland for design services of Cushing Building, this is the contract with them for work already completed and work still to complete on the redesign of the Cushing building for COA. The acceptance of this contract binds ACI Boland and the County to services agreed upon. The contract also allows the County to choose to engage ACI for finishing design for the Building.

Alternatives: Table, Deny, Approve

Budgetary Impact:

- Not Applicable
- Budgeted item with available funds
- Non-Budgeted item with available funds through prioritization
- Non-Budgeted item with additional funds requested

Total Amount Requested:

7% of the cost of work plus reimbursable expenses with an optional lump sum fee of \$28,000 for furniture, furnishings, and artwork design package.

Additional Attachments: Complete AIA Contract

AIA[®] Document B101[™] – 2017

Standard Form of Agreement Between Owner and Architect

AGREEMENT made as of the 8th day of June in the year 2021
(In words, indicate day, month and year.)

BETWEEN the Architect's client identified as the Owner:
(Name, legal status, address and other information)

Leavenworth Board of County Commissioners
Leavenworth County Courthouse
Buildings and Grounds
300 Walnut St
Ste 007
Leavenworth, KS 66048

and the Architect:
(Name, legal status, address and other information)

ACI/Boland, Inc.
1710 Wyandotte St.
Kansas City, MO 64108

for the following Project:
(Name, location and detailed description)

Leavenworth County Office Remodel - Cushing

The Owner and Architect agree as follows.

ADDITIONS AND DELETIONS:
The author of this document has added information needed for its completion. The author may also have revised the text of the original AIA standard form. An *Additions and Deletions Report* that notes added information as well as revisions to the standard form text is available from the author and should be reviewed. A vertical line in the left margin of this document indicates where the author has added necessary information and where the author has added to or deleted from the original AIA text.

This document has important legal consequences. Consultation with an attorney is encouraged with respect to its completion or modification.

TABLE OF ARTICLES

- 1 INITIAL INFORMATION
- 2 ARCHITECT'S RESPONSIBILITIES
- 3 SCOPE OF ARCHITECT'S BASIC SERVICES
- 4 SUPPLEMENTAL AND ADDITIONAL SERVICES
- 5 OWNER'S RESPONSIBILITIES
- 6 COST OF THE WORK
- 7 COPYRIGHTS AND LICENSES
- 8 CLAIMS AND DISPUTES
- 9 TERMINATION OR SUSPENSION
- 10 MISCELLANEOUS PROVISIONS
- 11 COMPENSATION
- 12 SPECIAL TERMS AND CONDITIONS
- 13 SCOPE OF THE AGREEMENT

ARTICLE 1 INITIAL INFORMATION

§ 1.1 This Agreement is based on the Initial Information set forth in this Section 1.1.

(For each item in this section, insert the information or a statement such as "not applicable" or "unknown at time of execution.")

§ 1.1.1 The Owner's program for the Project:

(Insert the Owner's program, identify documentation that establishes the Owner's program, or state the manner in which the program will be developed.)

Remodel on the First Floor of the old Cushing Hospital for the Council on Aging Program per Schematic Design Dated 6/2/21

§ 1.1.2 The Project's physical characteristics:

(Identify or describe pertinent information about the Project's physical characteristics, such as size; location; dimensions; geotechnical reports; site boundaries; topographic surveys; traffic and utility studies; availability of public and private utilities and services; legal description of the site, etc.)

Approx 20,734 SF Office Remodel

§ 1.1.3 The Owner's budget for the Cost of the Work, as defined in Section 6.1:

(Provide total and, if known, a line item breakdown.)

§ 1.1.4 The Owner's anticipated design and construction milestone dates:

- .1 Design phase milestone dates, if any:

Init.

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User Notes:

(3B9ADA4B)

Bidding September 1, 2021

.2 Construction commencement date:

Fall 2021

.3 Substantial Completion date or dates:

.4 Other milestone dates:

§ 1.1.5 The Owner intends the following procurement and delivery method for the Project:
(Identify method such as competitive bid or negotiated contract, as well as any requirements for accelerated or fast-track design and construction, multiple bid packages, or phased construction.)

Competitive Bid - General Contractor

(Paragraphs Deleted)

(Paragraph Deleted)

§ 1.1.7 The Owner identifies the following representative in accordance with Section 5.3:
(List name, address, and other contact information.)

Aaron Yoakam
Leavenworth County Courthouse
Buildings and Grounds Suite 007
300 Walnut Street
Leavenworth, KS 66048

§ 1.1.8 The persons or entities, in addition to the Owner's representative, who are required to review the Architect's submittals to the Owner are as follows:
(List name, address, and other contact information.)

§ 1.1.9 The Owner shall retain the following consultants and contractors:
(List name, legal status, address, and other contact information.)

.1 Geotechnical Engineer:

N/A

Init.

.2 Civil Engineer:

N/A

.3 Other, if any:

(List any other consultants and contractors retained by the Owner.)

§ 1.1.10 The Architect identifies the following representative in accordance with Section 2.3:
(List name, address, and other contact information.)

Samuel Beckman
Principal/Architect
ACI/Boland, Inc.
1710 Wyandotte St.
Kansas City, MO 64108

§ 1.1.11 The Architect shall retain the consultants identified in Sections 1.1.11.1 and 1.1.11.2:
(List name, legal status, address, and other contact information.)

§ 1.1.11.1 Consultants retained under Basic Services:

.1 Structural Engineer:

Structural Engineering Associates
1000 Walnut, Suite 1570
Kansas City, MO 64106

.2 Mechanical Engineer:

Branch Pattern
7400 College Blvd
Suite 150
Overland Park, KS 66210

.3 Electrical Engineer:

Branch Pattern
7400 College Blvd
Suite 150
Overland Park, KS 66210

§ 1.1.11.2 Consultants retained under Supplemental Services:

N/A

Init.

§ 1.1.12 Other Initial Information on which the Agreement is based:

§ 1.2 The Owner and Architect may rely on the Initial Information. Both parties, however, recognize that the Initial Information may materially change and, in that event, the Owner and the Architect shall appropriately adjust the Architect's services, schedule for the Architect's services, and the Architect's compensation. The Owner shall adjust the Owner's budget for the Cost of the Work and the Owner's anticipated design and construction milestones, as necessary, to accommodate material changes in the Initial Information.

(Paragraphs Deleted)

ARTICLE 2 ARCHITECT'S RESPONSIBILITIES

§ 2.1 The Architect shall provide professional services as set forth in this Agreement. The Architect represents that it is properly licensed in the jurisdiction where the Project is located to provide the services required by this Agreement, or shall cause such services to be performed by appropriately licensed design professionals.

§ 2.2 The Architect shall perform its services consistent with the professional skill and care ordinarily provided by architects practicing in the same or similar locality under the same or similar circumstances. The Architect shall perform its services as expeditiously as is consistent with such professional skill and care and the orderly progress of the Project.

§ 2.3 The Architect shall identify a representative authorized to act on behalf of the Architect with respect to the Project.

§ 2.4 Except with the Owner's knowledge and consent, the Architect shall not engage in any activity, or accept any employment, interest or contribution that would reasonably appear to compromise the Architect's professional judgment with respect to this Project.

§ 2.5 The Architect shall maintain the following insurance until termination of this Agreement. If any of the requirements set forth below are in addition to the types and limits the Architect normally maintains, the Owner shall pay the Architect as set forth in Section 11.9.

§ 2.5.1 Commercial General Liability with policy limits of not less than One Million Dollars & No Cents (\$ 1,000,000.00) for each occurrence and Two Million Dollars & No Cents (\$ 2,000,000.00) in the aggregate for bodily injury and property damage.

§ 2.5.2 Automobile Liability covering vehicles owned, and non-owned vehicles used, by the Architect with policy limits of not less than One Million Dollars & No Cents (\$ 1,000,000.00) per accident for bodily injury, death of any person, and property damage arising out of the ownership, maintenance and use of those motor vehicles, along with any other statutorily required automobile coverage.

§ 2.5.3 The Architect may achieve the required limits and coverage for Commercial General Liability and Automobile Liability through a combination of primary and excess or umbrella liability insurance, provided such primary and excess or umbrella liability insurance policies result in the same or greater coverage as the coverages required under Sections 2.5.1 and 2.5.2, and in no event shall any excess or umbrella liability insurance provide narrower coverage than the primary policy. The excess policy shall not require the exhaustion of the underlying limits only through the actual payment by the underlying insurers. Umbrella Limit: \$5,000,000.00 with \$10,000.00 Retention.

§ 2.5.4 Workers' Compensation at statutory limits.

§ 2.5.5 Employers' Liability with policy limits not less than One Million Dollars & No Cents (\$ 1,000,000.00) each accident, One Million Dollars & No Cents (\$ 1,000,000.00) each employee, and One Million Dollars & No

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Cents (\$ 1,000,000.00) policy limit.

§ 2.5.6 Professional Liability covering negligent acts, errors and omissions in the performance of professional services with policy limits of not less than Three Million Dollars & No Cents (\$ 3,000,000.00) per claim and Three Million Dollars & No Cents (\$ 3,000,000.00) in the aggregate.

§ 2.5.7 Additional Insured Obligations. To the fullest extent permitted by law, the Architect shall cause the primary and excess or umbrella policies for Commercial General Liability and Automobile Liability to include the Owner as an additional insured for claims caused in whole or in part by the Architect's negligent acts or omissions. The additional insured coverage shall be primary and non-contributory to any of the Owner's insurance policies and shall apply to both ongoing and completed operations.

§ 2.5.8 The Architect shall provide certificates of insurance to the Owner that evidence compliance with the requirements in this Section 2.5.

ARTICLE 3 SCOPE OF ARCHITECT'S BASIC SERVICES

§ 3.1 The Architect's Basic Services consist of those described in this Article 3 and include usual and customary structural, mechanical, and electrical engineering services. Services not set forth in this Article 3 are Supplemental or Additional Services.

§ 3.1.1 The Architect shall manage the Architect's services, research applicable design criteria, attend Project meetings, communicate with members of the Project team, and report progress to the Owner.

§ 3.1.2 The Architect shall coordinate its services with those services provided by the Owner and the Owner's consultants. The Architect shall be entitled to rely on, and shall not be responsible for, the accuracy, completeness, and timeliness of, services and information furnished by the Owner and the Owner's consultants. The Architect shall provide prompt written notice to the Owner if the Architect becomes aware of any error, omission, or inconsistency in such services or information.

§ 3.1.3 As soon as practicable after the date of this Agreement, the Architect shall submit for the Owner's approval a schedule for the performance of the Architect's services. The schedule initially shall include anticipated dates for the commencement of construction and for Substantial Completion of the Work as set forth in the Initial Information. The schedule shall include allowances for periods of time required for the Owner's review, for the performance of the Owner's consultants, and for approval of submissions by authorities having jurisdiction over the Project. Once approved by the Owner, time limits established by the schedule shall not, except for reasonable cause, be exceeded by the Architect or Owner. With the Owner's approval, the Architect shall adjust the schedule, if necessary, as the Project proceeds until the commencement of construction.

§ 3.1.4 The Architect shall not be responsible for an Owner's directive or substitution, or for the Owner's acceptance of non-conforming Work, made or given without the Architect's written approval.

§ 3.1.5 The Architect shall contact governmental authorities required to approve the Construction Documents. The Architect shall respond to applicable design requirements imposed by those authorities and entities.

§ 3.1.6 The Architect shall assist the Owner in connection with the Owner's responsibility for filing documents required for the approval of governmental authorities having jurisdiction over the Project.

§ 3.2 Schematic Design Phase Services

§ 3.2.1 The Architect shall review the program and other information furnished by the Owner, and shall review laws, codes, and regulations applicable to the Architect's services.

§ 3.2.2 The Architect shall prepare a preliminary evaluation of the Owner's program, schedule, budget for the Cost of the Work, Project site, the proposed procurement and delivery method, and other Initial Information, each in terms of the other, to ascertain the requirements of the Project. The Architect shall notify the Owner of (1) any inconsistencies discovered in the information, and (2) other information or consulting services that may be reasonably needed for the Project.

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§ 3.2.3 The Architect shall present its preliminary evaluation to the Owner and shall discuss with the Owner alternative approaches to design and construction of the Project. The Architect shall reach an understanding with the Owner regarding the requirements of the Project.

§ 3.2.4 Based on the Project requirements agreed upon with the Owner, the Architect shall prepare and present, for the Owner's approval, a preliminary design illustrating the scale and relationship of the Project components.

§ 3.2.5 Based on the Owner's approval of the preliminary design, the Architect shall prepare Schematic Design Documents for the Owner's approval. The Schematic Design Documents shall consist of drawings and other documents including a site plan, if appropriate, and preliminary building plans, sections and elevations; and may include some combination of study models, perspective sketches, or digital representations. Preliminary selections of major building systems and construction materials shall be noted on the drawings or described in writing.

§ 3.2.5.1 The Architect shall consider sustainable design alternatives, such as material choices and building orientation, together with other considerations based on program and aesthetics, in developing a design that is consistent with the Owner's program, schedule and budget for the Cost of the Work. The Owner may obtain more advanced sustainable design services as a Supplemental Service under Section 4.1.1.

§ 3.2.5.2 The Architect shall consider the value of alternative materials, building systems and equipment, together with other considerations based on program and aesthetics, in developing a design for the Project that is consistent with the Owner's program, schedule, and budget for the Cost of the Work.

§ 3.2.6 The Architect shall submit to the Owner an estimate of the Cost of the Work prepared in accordance with Section 6.3.

§ 3.2.7 The Architect shall submit the Schematic Design Documents to the Owner, and request the Owner's approval.

§ 3.3 Design Development Phase Services

§ 3.3.1 Based on the Owner's approval of the Schematic Design Documents, and on the Owner's authorization of any adjustments in the Project requirements and the budget for the Cost of the Work, the Architect shall prepare Design Development Documents for the Owner's approval. The Design Development Documents shall illustrate and describe the development of the approved Schematic Design Documents and shall consist of drawings and other documents including plans, sections, elevations, typical construction details, and diagrammatic layouts of building systems to fix and describe the size and character of the Project as to architectural, structural, mechanical and electrical systems, and other appropriate elements. The Design Development Documents shall also include outline specifications that identify major materials and systems and establish, in general, their quality levels.

§ 3.3.2 The Architect shall update the estimate of the Cost of the Work prepared in accordance with Section 6.3.

§ 3.3.3 The Architect shall submit the Design Development Documents to the Owner, advise the Owner of any adjustments to the estimate of the Cost of the Work, and request the Owner's approval.

§ 3.4 Construction Documents Phase Services

§ 3.4.1 Based on the Owner's approval of the Design Development Documents, and on the Owner's authorization of any adjustments in the Project requirements and the budget for the Cost of the Work, the Architect shall prepare Construction Documents for the Owner's approval. The Construction Documents shall illustrate and describe the further development of the approved Design Development Documents and shall consist of Drawings and Specifications setting forth in detail the quality levels and performance criteria of materials and systems and other requirements for the construction of the Work. The Owner and Architect acknowledge that, in order to perform the Work, the Contractor will provide additional information, including Shop Drawings, Product Data, Samples and other similar submittals, which the Architect shall review in accordance with Section 3.6.4.

§ 3.4.2 The Architect shall incorporate the design requirements of governmental authorities having jurisdiction over the Project into the Construction Documents.

§ 3.4.3 During the development of the Construction Documents, the Architect shall assist the Owner in the development and preparation of (1) procurement information that describes the time, place, and conditions of bidding, including bidding or proposal forms; (2) the form of agreement between the Owner and Contractor; and (3) the Conditions of the Contract for Construction (General, Supplementary and other Conditions). The Architect shall also compile a project manual that includes the Conditions of the Contract for Construction and Specifications, and may include bidding requirements and sample forms.

§ 3.4.4 The Architect shall update the estimate for the Cost of the Work prepared in accordance with Section 6.3.

§ 3.4.5 The Architect shall submit the Construction Documents to the Owner, advise the Owner of any adjustments to the estimate of the Cost of the Work, take any action required under Section 6.5, and request the Owner's approval.

§ 3.5 Procurement Phase Services

§ 3.5.1 General

The Architect shall assist the Owner in establishing a list of prospective contractors. Following the Owner's approval of the Construction Documents, the Architect shall assist the Owner in (1) obtaining either competitive bids or negotiated proposals; (2) confirming responsiveness of bids or proposals; (3) determining the successful bid or proposal, if any; and, (4) awarding and preparing contracts for construction.

§ 3.5.2 Competitive Bidding

§ 3.5.2.1 Bidding Documents shall consist of bidding requirements and proposed Contract Documents.

§ 3.5.2.2 The Architect shall assist the Owner in bidding the Project by:

- .1 facilitating the distribution of Bidding Documents to prospective bidders;
- .2 organizing and conducting a pre-bid conference for prospective bidders;
- .3 preparing responses to questions from prospective bidders and providing clarifications and interpretations of the Bidding Documents to the prospective bidders in the form of addenda; and,
- .4 organizing and conducting the opening of the bids, and subsequently documenting and distributing the bidding results, as directed by the Owner.

§ 3.5.2.3 If the Bidding Documents permit substitutions, the Architect shall, consider requests for substitutions and prepare and distribute addenda identifying approved substitutions to all prospective bidders.

§ 3.5.3 Negotiated Proposals

§ 3.5.3.1 Proposal Documents shall consist of proposal requirements and proposed Contract Documents.

§ 3.5.3.2 The Architect shall assist the Owner in obtaining proposals by:

- .1 facilitating the distribution of Proposal Documents for distribution to prospective contractors and requesting their return upon completion of the negotiation process;
- .2 organizing and participating in selection interviews with prospective contractors;
- .3 preparing responses to questions from prospective contractors and providing clarifications and interpretations of the Proposal Documents to the prospective contractors in the form of addenda; and,
- .4 participating in negotiations with prospective contractors, and subsequently preparing a summary report of the negotiation results, as directed by the Owner.

§ 3.5.3.3 If the Proposal Documents permit substitutions, the Architect shall, consider requests for substitutions and prepare and distribute addenda identifying approved substitutions to all prospective contractors.

§ 3.6 Construction Phase Services

§ 3.6.1 General

§ 3.6.1.1 The Architect shall provide administration of the Contract between the Owner and the Contractor as set forth below and in AIA Document A201™–2017, General Conditions of the Contract for Construction. If the Owner and Contractor modify AIA Document A201–2017, those modifications shall not affect the Architect's services under this Agreement unless the Owner and the Architect amend this Agreement.

§ 3.6.1.2 The Architect shall advise and consult with the Owner during the Construction Phase Services. The Architect shall have authority to act on behalf of the Owner only to the extent provided in this Agreement. The Architect shall not have control over, charge of, or responsibility for the construction means, methods, techniques, sequences or procedures, or for safety precautions and programs in connection with the Work, nor shall the Architect be responsible for the Contractor's failure to perform the Work in accordance with the requirements of the Contract Documents. The Architect shall be responsible for the Architect's negligent acts or omissions, but shall not have control over or charge of, and shall not be responsible for, acts or omissions of the Contractor or of any other persons or entities performing portions of the Work.

§ 3.6.1.3 Subject to Section 4.2 and except as provided in Section 3.6.6.5, the Architect's responsibility to provide Construction Phase Services commences with the award of the Contract for Construction and terminates on the date the Architect issues the final Certificate for Payment.

§ 3.6.2 Evaluations of the Work

§ 3.6.2.1 The Architect shall visit the site at intervals appropriate to the stage of construction, or as otherwise required in Section 4.2.3, to become generally familiar with the progress and quality of the portion of the Work completed, and to determine, in general, if the Work observed is being performed in a manner indicating that the Work, when fully completed, will be in accordance with the Contract Documents. However, the Architect shall not be required to make exhaustive or continuous on-site inspections to check the quality or quantity of the Work. On the basis of the site visits, the Architect shall keep the Owner reasonably informed about the progress and quality of the portion of the Work completed, and promptly report to the Owner (1) known deviations from the Contract Documents, (2) known deviations from the most recent construction schedule submitted by the Contractor, and (3) defects and deficiencies observed in the Work.

§ 3.6.2.2 The Architect has the authority to reject Work that does not conform to the Contract Documents. Whenever the Architect considers it necessary or advisable, the Architect shall have the authority to require inspection or testing of the Work in accordance with the provisions of the Contract Documents, whether or not the Work is fabricated, installed or completed. However, neither this authority of the Architect nor a decision made in good faith either to exercise or not to exercise such authority shall give rise to a duty or responsibility of the Architect to the Contractor, Subcontractors, suppliers, their agents or employees, or other persons or entities performing portions of the Work.

§ 3.6.2.3 The Architect shall interpret and decide matters concerning performance under, and requirements of, the Contract Documents on written request of either the Owner or Contractor. The Architect's response to such requests shall be made in writing within any time limits agreed upon or otherwise with reasonable promptness.

§ 3.6.2.4 Interpretations and decisions of the Architect shall be consistent with the intent of, and reasonably inferable from, the Contract Documents and shall be in writing or in the form of drawings. When making such interpretations and decisions, the Architect shall endeavor to secure faithful performance by both Owner and Contractor, shall not show partiality to either, and shall not be liable for results of interpretations or decisions rendered in good faith. The Architect's decisions on matters relating to aesthetic effect shall be final if consistent with the intent expressed in the Contract Documents.

§ 3.6.2.5 Unless the Owner and Contractor designate another person to serve as an Initial Decision Maker, as that term is defined in AIA Document A201-2017, the Architect shall render initial decisions on Claims between the Owner and Contractor as provided in the Contract Documents.

§ 3.6.3 Certificates for Payment to Contractor

§ 3.6.3.1 The Architect shall review and certify the amounts due the Contractor and shall issue certificates in such amounts. The Architect's certification for payment shall constitute a representation to the Owner, based on the Architect's evaluation of the Work as provided in Section 3.6.2 and on the data comprising the Contractor's Application for Payment, that, to the best of the Architect's knowledge, information and belief, the Work has progressed to the point indicated, the quality of the Work is in accordance with the Contract Documents, and that the Contractor is entitled to payment in the amount certified. The foregoing representations are subject to (1) an evaluation of the Work for conformance with the Contract Documents upon Substantial Completion, (2) results of subsequent tests and inspections, (3) correction of minor deviations from the Contract Documents prior to completion, and (4) specific qualifications expressed by the Architect.

§ 3.6.3.2 The issuance of a Certificate for Payment shall not be a representation that the Architect has (1) made exhaustive or continuous on-site inspections to check the quality or quantity of the Work, (2) reviewed construction means, methods, techniques, sequences or procedures, (3) reviewed copies of requisitions received from Subcontractors and suppliers and other data requested by the Owner to substantiate the Contractor's right to payment, or (4) ascertained how or for what purpose the Contractor has used money previously paid on account of the Contract Sum.

§ 3.6.3.3 The Architect shall maintain a record of the Applications and Certificates for Payment.

§ 3.6.4 Submittals

§ 3.6.4.1 The Architect shall review the Contractor's submittal schedule and shall not unreasonably delay or withhold approval of the schedule. The Architect's action in reviewing submittals shall be taken in accordance with the approved submittal schedule or, in the absence of an approved submittal schedule, with reasonable promptness while allowing sufficient time, in the Architect's professional judgment, to permit adequate review.

§ 3.6.4.2 The Architect shall review and approve, or take other appropriate action upon, the Contractor's submittals such as Shop Drawings, Product Data and Samples, but only for the limited purpose of checking for conformance with information given and the design concept expressed in the Contract Documents. Review of such submittals is not for the purpose of determining the accuracy and completeness of other information such as dimensions, quantities, and installation or performance of equipment or systems, which are the Contractor's responsibility. The Architect's review shall not constitute approval of safety precautions or construction means, methods, techniques, sequences or procedures. The Architect's approval of a specific item shall not indicate approval of an assembly of which the item is a component.

§ 3.6.4.3 If the Contract Documents specifically require the Contractor to provide professional design services or certifications by a design professional related to systems, materials, or equipment, the Architect shall specify the appropriate performance and design criteria that such services must satisfy. The Architect shall review and take appropriate action on Shop Drawings and other submittals related to the Work designed or certified by the Contractor's design professional, provided the submittals bear such professional's seal and signature when submitted to the Architect. The Architect's review shall be for the limited purpose of checking for conformance with information given and the design concept expressed in the Contract Documents. The Architect shall be entitled to rely upon, and shall not be responsible for, the adequacy and accuracy of the services, certifications, and approvals performed or provided by such design professionals.

§ 3.6.4.4 Subject to Section 4.2, the Architect shall review and respond to requests for information about the Contract Documents. The Architect shall set forth, in the Contract Documents, the requirements for requests for information. Requests for information shall include, at a minimum, a detailed written statement that indicates the specific Drawings or Specifications in need of clarification and the nature of the clarification requested. The Architect's response to such requests shall be made in writing within any time limits agreed upon, or otherwise with reasonable promptness. If appropriate, the Architect shall prepare and issue supplemental Drawings and Specifications in response to the requests for information.

§ 3.6.4.5 The Architect shall maintain a record of submittals and copies of submittals supplied by the Contractor in accordance with the requirements of the Contract Documents.

§ 3.6.5 Changes in the Work

§ 3.6.5.1 The Architect may order minor changes in the Work that are consistent with the intent of the Contract Documents and do not involve an adjustment in the Contract Sum or an extension of the Contract Time. Subject to Section 4.2, the Architect shall prepare Change Orders and Construction Change Directives for the Owner's approval and execution in accordance with the Contract Documents.

§ 3.6.5.2 The Architect shall maintain records relative to changes in the Work.

§ 3.6.6 Project Completion

§ 3.6.6.1 The Architect shall:

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- .1 conduct inspections to determine the date or dates of Substantial Completion and the date of final completion;
- .2 issue Certificates of Substantial Completion;
- .3 forward to the Owner, for the Owner's review and records, written warranties and related documents required by the Contract Documents and received from the Contractor; and,
- .4 issue a final Certificate for Payment based upon a final inspection indicating that, to the best of the Architect's knowledge, information, and belief, the Work complies with the requirements of the Contract Documents.

§ 3.6.6.2 The Architect's inspections shall be conducted with the Owner to check conformance of the Work with the requirements of the Contract Documents and to verify the accuracy and completeness of the list submitted by the Contractor of Work to be completed or corrected.

§ 3.6.6.3 When Substantial Completion has been achieved, the Architect shall inform the Owner about the balance of the Contract Sum remaining to be paid the Contractor, including the amount to be retained from the Contract Sum, if any, for final completion or correction of the Work.

§ 3.6.6.4 The Architect shall forward to the Owner the following information received from the Contractor: (1) consent of surety or sureties, if any, to reduction in or partial release of retainage or the making of final payment; (2) affidavits, receipts, releases and waivers of liens, or bonds indemnifying the Owner against liens; and (3) any other documentation required of the Contractor under the Contract Documents.

§ 3.6.6.5 Upon request of the Owner, and prior to the expiration of one year from the date of Substantial Completion, the Architect shall, without additional compensation, conduct a meeting with the Owner to review the facility operations and performance.

ARTICLE 4 SUPPLEMENTAL AND ADDITIONAL SERVICES

§ 4.1 Supplemental Services

§ 4.1.1 The services listed below are not included in Basic Services but may be required for the Project. The Architect shall provide the listed Supplemental Services only if specifically designated in the table below as the Architect's responsibility, and the Owner shall compensate the Architect as provided in Section 11.2. Unless otherwise specifically addressed in this Agreement, if neither the Owner nor the Architect is designated, the parties agree that the listed Supplemental Service is not being provided for the Project.

(Designate the Architect's Supplemental Services and the Owner's Supplemental Services required for the Project by indicating whether the Architect or Owner shall be responsible for providing the identified Supplemental Service. Insert a description of the Supplemental Services in Section 4.1.2 below or attach the description of services as an exhibit to this Agreement.)

Supplemental Services	Responsibility <i>(Architect, Owner, or not provided)</i>
§ 4.1.1.1 Programming	Architect
§ 4.1.1.2 Multiple preliminary designs	Architect
§ 4.1.1.3 Measured drawings	Architect
§ 4.1.1.4 Existing facilities surveys	Architect
§ 4.1.1.5 Site evaluation and planning	Architect
§ 4.1.1.6 Building Information Model management responsibilities	Architect
§ 4.1.1.7 Development of Building Information Models for post construction use	NP
§ 4.1.1.8 Civil engineering	NP
§ 4.1.1.9 Landscape design	NP
§ 4.1.1.10 Architectural interior design	Architect
§ 4.1.1.11 Value analysis	NP
§ 4.1.1.12 Detailed cost estimating beyond that required in Section 6.3	NP

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User Notes:

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§ 4.1.1.13	On-site project representation	NP
§ 4.1.1.14	Conformed documents for construction	NP
§ 4.1.1.15	As-designed record drawings	Architect
§ 4.1.1.16	As-constructed record drawings	NP
§ 4.1.1.17	Post-occupancy evaluation	NP
§ 4.1.1.18	Facility support services	NP
§ 4.1.1.19	Tenant-related services	NP
§ 4.1.1.20	Architect's coordination of the Owner's consultants	NP
§ 4.1.1.21	Telecommunications/data design	NP
§ 4.1.1.22	Security evaluation and planning	NP
§ 4.1.1.23	Commissioning	NP
§ 4.1.1.24	Sustainable Project Services pursuant to Section 4.1.3	NP
§ 4.1.1.25	Fast-track design services	NP
§ 4.1.1.26	Multiple bid packages	NP
§ 4.1.1.27	Historic preservation	NP
§ 4.1.1.28	Furniture, furnishings, and artwork design	Architect (Supplemental)
§ 4.1.1.29	Other services provided by specialty Consultants	NP
§ 4.1.1.30	Other Supplemental Services	NP

§ 4.1.2 Description of Supplemental Services

§ 4.1.2.1 A description of each Supplemental Service identified in Section 4.1.1 as the Architect's responsibility is provided below.

(Describe in detail the Architect's Supplemental Services identified in Section 4.1.1 or, if set forth in an exhibit, identify the exhibit. The AIA publishes a number of Standard Form of Architect's Services documents that can be included as an exhibit to describe the Architect's Supplemental Services.)

ACI/Boland to provide additional cost option to design and coordinate furniture, furnishings, and artwork competitive bid package \$28,000 Lump Sum.

(Paragraphs Deleted)

§ 4.2 Architect's Additional Services

The Architect may provide Additional Services after execution of this Agreement without invalidating the Agreement. Except for services required due to the fault of the Architect, any Additional Services provided in accordance with this Section 4.2 shall entitle the Architect to compensation pursuant to Section 11.3 and an appropriate adjustment in the Architect's schedule.

§ 4.2.1 Upon recognizing the need to perform the following Additional Services, the Architect shall notify the Owner with reasonable promptness and explain the facts and circumstances giving rise to the need. The Architect shall not proceed to provide the following Additional Services until the Architect receives the Owner's written authorization:

- .1 Services necessitated by a change in the Initial Information, previous instructions or approvals given by the Owner, or a material change in the Project including size, quality, complexity, the Owner's schedule or budget for Cost of the Work, or procurement or delivery method;
- .2 Services necessitated by the enactment or revision of codes, laws, or regulations, including changing or editing previously prepared Instruments of Service;

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- .3 Changing or editing previously prepared Instruments of Service necessitated by official interpretations of applicable codes, laws or regulations that are either (a) contrary to specific interpretations by the applicable authorities having jurisdiction made prior to the issuance of the building permit, or (b) contrary to requirements of the Instruments of Service when those Instruments of Service were prepared in accordance with the applicable standard of care;
- .4 Services necessitated by decisions of the Owner not rendered in a timely manner or any other failure of performance on the part of the Owner or the Owner's consultants or contractors;
- .5 Preparing digital models or other design documentation for transmission to the Owner's consultants and contractors, or to other Owner-authorized recipients;
- .6 Preparation of design and documentation for alternate bid or proposal requests proposed by the Owner;
- .7 Preparation for, and attendance at, a public presentation, meeting or hearing;
- .8 Preparation for, and attendance at, a dispute resolution proceeding or legal proceeding, except where the Architect is party thereto;
- .9 Evaluation of the qualifications of entities providing bids or proposals;
- .10 Consultation concerning replacement of Work resulting from fire or other cause during construction; or,
- .11 Assistance to the Initial Decision Maker, if other than the Architect.

§ 4.2.2 To avoid delay in the Construction Phase, the Architect shall provide the following Additional Services, notify the Owner with reasonable promptness, and explain the facts and circumstances giving rise to the need. If, upon receipt of the Architect's notice, the Owner determines that all or parts of the services are not required, the Owner shall give prompt written notice to the Architect of the Owner's determination. The Owner shall compensate the Architect for the services provided prior to the Architect's receipt of the Owner's notice.

- .1 Reviewing a Contractor's submittal out of sequence from the submittal schedule approved by the Architect;
- .2 Responding to the Contractor's requests for information that are not prepared in accordance with the Contract Documents or where such information is available to the Contractor from a careful study and comparison of the Contract Documents, field conditions, other Owner-provided information, Contractor-prepared coordination drawings, or prior Project correspondence or documentation;
- .3 Preparing Change Orders and Construction Change Directives that require evaluation of Contractor's proposals and supporting data, or the preparation or revision of Instruments of Service;
- .4 Evaluating an extensive number of Claims as the Initial Decision Maker; or,
- .5 Evaluating substitutions proposed by the Owner or Contractor and making subsequent revisions to Instruments of Service resulting therefrom.

§ 4.2.3 The Architect shall provide Construction Phase Services exceeding the limits set forth below as Additional Services. When the limits below are reached, the Architect shall notify the Owner:

- .1 Two (2) reviews of each Shop Drawing, Product Data item, sample and similar submittals of the Contractor
- .2 Twelve (12) visits to the site by the Architect during construction
- .3 Two (2) inspections for any portion of the Work to determine whether such portion of the Work is substantially complete in accordance with the requirements of the Contract Documents
- .4 One (1) inspections for any portion of the Work to determine final completion.

§ 4.2.4 Except for services required under Section 3.6.6.5 and those services that do not exceed the limits set forth in Section 4.2.3, Construction Phase Services provided more than 60 days after (1) the date of Substantial Completion of the Work or (2) the initial date of Substantial Completion identified in the agreement between the Owner and Contractor, whichever is earlier, shall be compensated as Additional Services to the extent the Architect incurs additional cost in providing those Construction Phase Services.

§ 4.2.5 If the services covered by this Agreement have not been completed within twelve (12) months of the date of this Agreement, through no fault of the Architect, extension of the Architect's services beyond that time shall be compensated as Additional Services.

ARTICLE 5 OWNER'S RESPONSIBILITIES

§ 5.1 Unless otherwise provided for under this Agreement, the Owner shall provide information in a timely manner regarding requirements for and limitations on the Project, including a written program, which shall set forth the

Owner's objectives; schedule; constraints and criteria, including space requirements and relationships; flexibility; expandability; special equipment; systems; and site requirements.

§ 5.2 The Owner shall establish the Owner's budget for the Project, including (1) the budget for the Cost of the Work as defined in Section 6.1; (2) the Owner's other costs; and, (3) reasonable contingencies related to all of these costs. The Owner shall update the Owner's budget for the Project as necessary throughout the duration of the Project until final completion. If the Owner significantly increases or decreases the Owner's budget for the Cost of the Work, the Owner shall notify the Architect. The Owner and the Architect shall thereafter agree to a corresponding change in the Project's scope and quality.

§ 5.3 The Owner shall identify a representative authorized to act on the Owner's behalf with respect to the Project. The Owner shall render decisions and approve the Architect's submittals in a timely manner in order to avoid unreasonable delay in the orderly and sequential progress of the Architect's services.

§ 5.4 The Owner shall furnish surveys to describe physical characteristics, legal limitations and utility locations for the site of the Project, and a written legal description of the site. The surveys and legal information shall include, as applicable, grades and lines of streets, alleys, pavements and adjoining property and structures; designated wetlands; adjacent drainage; rights-of-way, restrictions, easements, encroachments, zoning, deed restrictions, boundaries and contours of the site; locations, dimensions, and other necessary data with respect to existing buildings, other improvements and trees; and information concerning available utility services and lines, both public and private, above and below grade, including inverts and depths. All the information on the survey shall be referenced to a Project benchmark.

§ 5.5 The Owner shall furnish services of geotechnical engineers, which may include test borings, test pits, determinations of soil bearing values, percolation tests, evaluations of hazardous materials, seismic evaluation, ground corrosion tests and resistivity tests, including necessary operations for anticipating subsoil conditions, with written reports and appropriate recommendations.

§ 5.6 The Owner shall provide the Supplemental Services designated as the Owner's responsibility in Section 4.1.1.

| *(Paragraph Deleted)*

§ 5.8 The Owner shall coordinate the services of its own consultants with those services provided by the Architect. Upon the Architect's request, the Owner shall furnish copies of the scope of services in the contracts between the Owner and the Owner's consultants. The Owner shall furnish the services of consultants other than those designated as the responsibility of the Architect in this Agreement, or authorize the Architect to furnish them as an Additional Service, when the Architect requests such services and demonstrates that they are reasonably required by the scope of the Project. The Owner shall require that its consultants and contractors maintain insurance, including professional liability insurance, as appropriate to the services or work provided.

§ 5.9 The Owner shall furnish tests, inspections and reports required by law or the Contract Documents, such as structural, mechanical, and chemical tests, tests for air and water pollution, and tests for hazardous materials.

§ 5.10 The Owner shall furnish all legal, insurance and accounting services, including auditing services, that may be reasonably necessary at any time for the Project to meet the Owner's needs and interests.

§ 5.11 The Owner shall provide prompt written notice to the Architect if the Owner becomes aware of any fault or defect in the Project, including errors, omissions or inconsistencies in the Architect's Instruments of Service.

§ 5.12 The Owner shall include the Architect in all communications with the Contractor that relate to or affect the Architect's services or professional responsibilities. The Owner shall promptly notify the Architect of the substance of any direct communications between the Owner and the Contractor otherwise relating to the Project. Communications by and with the Architect's consultants shall be through the Architect.

§ 5.13 Before executing the Contract for Construction, the Owner shall coordinate the Architect's duties and responsibilities set forth in the Contract for Construction with the Architect's services set forth in this Agreement. The Owner shall provide the Architect a copy of the executed agreement between the Owner and Contractor, including the General Conditions of the Contract for Construction.

§ 5.14 The Owner shall provide the Architect access to the Project site prior to commencement of the Work and shall obligate the Contractor to provide the Architect access to the Work wherever it is in preparation or progress.

§ 5.15 Within 15 days after receipt of a written request from the Architect, the Owner shall furnish the requested information as necessary and relevant for the Architect to evaluate, give notice of, or enforce lien rights.

ARTICLE 6 COST OF THE WORK

§ 6.1 For purposes of this Agreement, the Cost of the Work shall be the total cost to the Owner to construct all elements of the Project designed or specified by the Architect and shall include contractors' or construction managers' fees, general conditions costs, overhead and profit. The Cost of the Work also includes the reasonable value of labor, materials, and equipment, donated to, or otherwise furnished by, the Owner. The Cost of the Work does not include the compensation of the Architect; the costs of the land, rights-of-way, financing, or contingencies for changes in the Work; or other costs that are the responsibility of the Owner.

§ 6.2 The Owner's budget for the Cost of the Work is provided in Initial Information, and shall be adjusted throughout the Project as required under Sections 5.2, 6.4 and 6.5. Evaluations of the Owner's budget for the Cost of the Work, and the preliminary estimate of the Cost of the Work and updated estimates of the Cost of the Work, prepared by the Architect, represent the Architect's judgment as a design professional. It is recognized, however, that neither the Architect nor the Owner has control over the cost of labor, materials, or equipment; the Contractor's methods of determining bid prices; or competitive bidding, market, or negotiating conditions. Accordingly, the Architect cannot and does not warrant or represent that bids or negotiated prices will not vary from the Owner's budget for the Cost of the Work, or from any estimate of the Cost of the Work, or evaluation, prepared or agreed to by the Architect.

§ 6.3 In preparing estimates of the Cost of Work, the Architect shall be permitted to include contingencies for design, bidding, and price escalation; to determine what materials, equipment, component systems, and types of construction are to be included in the Contract Documents; to recommend reasonable adjustments in the program and scope of the Project; and to include design alternates as may be necessary to adjust the estimated Cost of the Work to meet the Owner's budget. The Architect's estimate of the Cost of the Work shall be based on current area, volume or similar conceptual estimating techniques. If the Owner requires a detailed estimate of the Cost of the Work, the Architect shall provide such an estimate, if identified as the Architect's responsibility in Section 4.1.1, as a Supplemental Service.

§ 6.4 If, through no fault of the Architect, the Procurement Phase has not commenced within 90 days after the Architect submits the Construction Documents to the Owner, the Owner's budget for the Cost of the Work shall be adjusted to reflect changes in the general level of prices in the applicable construction market.

§ 6.5 If at any time the Architect's estimate of the Cost of the Work exceeds the Owner's budget for the Cost of the Work, the Architect shall make appropriate recommendations to the Owner to adjust the Project's size, quality, or budget for the Cost of the Work, and the Owner shall cooperate with the Architect in making such adjustments.

§ 6.6 If the Owner's budget for the Cost of the Work at the conclusion of the Construction Documents Phase Services is exceeded by the lowest bona fide bid or negotiated proposal, the Owner shall

- .1 give written approval of an increase in the budget for the Cost of the Work;
- .2 authorize rebidding or renegotiating of the Project within a reasonable time;
- .3 terminate in accordance with Section 9.5;
- .4 in consultation with the Architect, revise the Project program, scope, or quality as required to reduce the Cost of the Work; or,
- .5 implement any other mutually acceptable alternative.

§ 6.7 If the Owner chooses to proceed under Section 6.6.4, the Architect shall modify the Construction Documents as necessary to comply with the Owner's budget for the Cost of the Work at the conclusion of the Construction

Documents Phase Services, or the budget as adjusted under Section 6.6.1. If the Owner requires the Architect to modify the Construction Documents because the lowest bona fide bid or negotiated proposal exceeds the Owner's budget for the Cost of the Work due to market conditions the Architect could not reasonably anticipate, the Owner shall compensate the Architect for the modifications as an Additional Service pursuant to Section 11.3; otherwise the Architect's services for modifying the Construction Documents shall be without additional compensation. In any event, the Architect's modification of the Construction Documents shall be the limit of the Architect's responsibility under this Article 6.

ARTICLE 7 COPYRIGHTS AND LICENSES

§ 7.1 The Architect and the Owner warrant that in transmitting Instruments of Service, or any other information, the transmitting party is the copyright owner of such information or has permission from the copyright owner to transmit such information for its use on the Project.

§ 7.2 The Architect and the Architect's consultants shall be deemed the authors and owners of their respective Instruments of Service, including the Drawings and Specifications, and shall retain all common law, statutory and other reserved rights, including copyrights. Submission or distribution of Instruments of Service to meet official regulatory requirements or for similar purposes in connection with the Project is not to be construed as publication in derogation of the reserved rights of the Architect and the Architect's consultants.

§ 7.3 The Architect grants to the Owner a nonexclusive license to use the Architect's Instruments of Service solely and exclusively for purposes of constructing, using, maintaining, altering and adding to the Project, provided that the Owner substantially performs its obligations under this Agreement, including prompt payment of all sums due pursuant to Article 9 and Article 11. The Architect shall obtain similar nonexclusive licenses from the Architect's consultants consistent with this Agreement. The license granted under this section permits the Owner to authorize the Contractor, Subcontractors, Sub-subcontractors, and suppliers, as well as the Owner's consultants and separate contractors, to reproduce applicable portions of the Instruments of Service, subject to any protocols established pursuant to Section 1.3, solely and exclusively for use in performing services or construction for the Project. If the Architect rightfully terminates this Agreement for cause as provided in Section 9.4, the license granted in this Section 7.3 shall terminate.

§ 7.3.1 In the event the Owner uses the Instruments of Service without retaining the authors of the Instruments of Service, the Owner releases the Architect and Architect's consultant(s) from all claims and causes of action arising from such uses. The Owner, to the extent permitted by law, further agrees to indemnify and hold harmless the Architect and its consultants from all costs and expenses, including the cost of defense, related to claims and causes of action asserted by any third person or entity to the extent such costs and expenses arise from the Owner's use of the Instruments of Service under this Section 7.3.1. The terms of this Section 7.3.1 shall not apply if the Owner rightfully terminates this Agreement for cause under Section 9.4.

§ 7.4 Except for the licenses granted in this Article 7, no other license or right shall be deemed granted or implied under this Agreement. The Owner shall not assign, delegate, sublicense, pledge or otherwise transfer any license granted herein to another party without the prior written agreement of the Architect. Any unauthorized use of the Instruments of Service shall be at the Owner's sole risk and without liability to the Architect and the Architect's consultants.

§ 7.5 Except as otherwise stated in Section 7.3, the provisions of this Article 7 shall survive the termination of this Agreement.

ARTICLE 8 CLAIMS AND DISPUTES

§ 8.1 General

§ 8.1.1 The Owner and Architect shall commence all claims and causes of action against the other and arising out of or related to this Agreement, whether in contract, tort, or otherwise, in accordance with the requirements of the binding dispute resolution method selected in this Agreement and within the period specified by applicable law, but in any case not more than 10 years after the date of Substantial Completion of the Work. The Owner and Architect waive all claims and causes of action not commenced in accordance with this Section 8.1.1.

§ 8.1.2 To the extent damages are covered by property insurance, the Owner and Architect waive all rights against each other and against the contractors, consultants, agents, and employees of the other for damages, except such

§ 9.4 Either party may terminate this Agreement upon not less than seven days' written notice should the other party fail substantially to perform in accordance with the terms of this Agreement through no fault of the party initiating the termination.

§ 9.5 The Owner may terminate this Agreement upon not less than seven days' written notice to the Architect for the Owner's convenience and without cause.

§ 9.6 If the Owner terminates this Agreement for its convenience pursuant to Section 9.5, or the Architect terminates this Agreement pursuant to Section 9.3, the Owner shall compensate the Architect for services performed prior to termination, Reimbursable Expenses incurred, and costs attributable to termination, including the costs attributable to the Architect's termination of consultant agreements.

§ 9.7 In addition to any amounts paid under Section 9.6, if the Owner terminates this Agreement for its convenience pursuant to Section 9.5, or the Architect terminates this Agreement pursuant to Section 9.3, the Owner shall pay to the Architect the following fees:

(Set forth below the amount of any termination or licensing fee, or the method for determining any termination or licensing fee.)

.1 Termination Fee:

.2 Licensing Fee if the Owner intends to continue using the Architect's Instruments of Service:

§ 9.8 Except as otherwise expressly provided herein, this Agreement shall terminate one year from the date of Substantial Completion.

§ 9.9 The Owner's rights to use the Architect's Instruments of Service in the event of a termination of this Agreement are set forth in Article 7 and Section 9.7.

ARTICLE 10 MISCELLANEOUS PROVISIONS

§ 10.1 This Agreement shall be governed by the law of the place where the Project is located.

§ 10.2 Terms in this Agreement shall have the same meaning as those in AIA Document A201-2017, General Conditions of the Contract for Construction.

§ 10.3 The Owner and Architect, respectively, bind themselves, their agents, successors, assigns, and legal representatives to this Agreement. Neither the Owner nor the Architect shall assign this Agreement without the written consent of the other, except that the Owner may assign this Agreement to a lender providing financing for the Project if the lender agrees to assume the Owner's rights and obligations under this Agreement, including any payments due to the Architect by the Owner prior to the assignment.

§ 10.4 If the Owner requests the Architect to execute certificates, the proposed language of such certificates shall be submitted to the Architect for review at least 14 days prior to the requested dates of execution. If the Owner requests the Architect to execute consents reasonably required to facilitate assignment to a lender, the Architect shall execute all such consents that are consistent with this Agreement, provided the proposed consent is submitted to the Architect for review at least 14 days prior to execution. The Architect shall not be required to execute certificates or consents that would require knowledge, services, or responsibilities beyond the scope of this Agreement.

§ 10.5 Nothing contained in this Agreement shall create a contractual relationship with, or a cause of action in favor of, a third party against either the Owner or Architect.

rights as they may have to the proceeds of such insurance as set forth in AIA Document A201-2017, General Conditions of the Contract for Construction. The Owner or the Architect, as appropriate, shall require of the contractors, consultants, agents, and employees of any of them, similar waivers in favor of the other parties enumerated herein.

§ 8.1.3 The Architect and Owner waive consequential damages for claims, disputes, or other matters in question, arising out of or relating to this Agreement. This mutual waiver is applicable, without limitation, to all consequential damages due to either party's termination of this Agreement, except as specifically provided in Section 9.7.

§ 8.2 Mediation

§ 8.2.1 Any claim, dispute or other matter in question arising out of or related to this Agreement shall be subject to mediation as a condition precedent to binding dispute resolution. If such matter relates to or is the subject of a lien arising out of the Architect's services, the Architect may proceed in accordance with applicable law to comply with the lien notice or filing deadlines prior to resolution of the matter by mediation or by binding dispute resolution.

§ 8.2.2 The Owner and Architect shall endeavor to resolve claims, disputes and other matters in question between them by mediation.

(Paragraph Deleted)

§ 8.2.4 If the parties do not resolve a dispute through mediation pursuant to this Section 8.2, the method of binding dispute resolution shall be the following:

(Check the appropriate box.)

(Paragraph Deleted)

[X] Litigation in a court of competent jurisdiction

(Paragraphs Deleted)

§ 8.4 The provisions of this Article 8 shall survive the termination of this Agreement.

ARTICLE 9 TERMINATION OR SUSPENSION

§ 9.1 If the Owner fails to make payments to the Architect in accordance with this Agreement, such failure shall be considered substantial nonperformance and cause for termination or, at the Architect's option, cause for suspension of performance of services under this Agreement. If the Architect elects to suspend services, the Architect shall give seven days' written notice to the Owner before suspending services. In the event of a suspension of services, the Architect shall have no liability to the Owner for delay or damage caused the Owner because of such suspension of services. Before resuming services, the Owner shall pay the Architect all sums due prior to suspension and any expenses incurred in the interruption and resumption of the Architect's services. The Architect's fees for the remaining services and the time schedules shall be equitably adjusted.

§ 9.2 If the Owner suspends the Project, the Architect shall be compensated for services performed prior to notice of such suspension. When the Project is resumed, the Architect shall be compensated for expenses incurred in the interruption and resumption of the Architect's services. The Architect's fees for the remaining services and the time schedules shall be equitably adjusted.

§ 9.3 If the Owner suspends the Project for more than 90 cumulative days for reasons other than the fault of the Architect, the Architect may terminate this Agreement by giving not less than seven days' written notice.

Init.

§ 10.6 Unless otherwise required in this Agreement, the Architect shall have no responsibility for the discovery, presence, handling, removal or disposal of, or exposure of persons to, hazardous materials or toxic substances in any form at the Project site.

§ 10.7 The Architect shall have the right to include photographic or artistic representations of the design of the Project among the Architect's promotional and professional materials. The Architect shall be given reasonable access to the completed Project to make such representations. However, the Architect's materials shall not include the Owner's confidential or proprietary information if the Owner has previously advised the Architect in writing of the specific information considered by the Owner to be confidential or proprietary. The Owner shall provide professional credit for the Architect in the Owner's promotional materials for the Project. This Section 10.7 shall survive the termination of this Agreement unless the Owner terminates this Agreement for cause pursuant to Section 9.4.

§ 10.8 If the Architect or Owner receives information specifically designated as "confidential" or "business proprietary," the receiving party shall keep such information strictly confidential and shall not disclose it to any other person except as set forth in Section 10.8.1. This Section 10.8 shall survive the termination of this Agreement.

§ 10.8.1 The receiving party may disclose "confidential" or "business proprietary" information after 7 days' notice to the other party, when required by law, or court order, including a subpoena or other form of compulsory legal process issued by a court or governmental entity, or to the extent such information is reasonably necessary for the receiving party to defend itself in any dispute. The receiving party may also disclose such information to its employees, consultants, or contractors in order to perform services or work solely and exclusively for the Project, provided those employees, consultants and contractors are subject to the restrictions on the disclosure and use of such information as set forth in this Section 10.8.

§ 10.9 The invalidity of any provision of the Agreement shall not invalidate the Agreement or its remaining provisions. If it is determined that any provision of the Agreement violates any law, or is otherwise invalid or unenforceable, then that provision shall be revised to the extent necessary to make that provision legal and enforceable. In such case the Agreement shall be construed, to the fullest extent permitted by law, to give effect to the parties' intentions and purposes in executing the Agreement.

ARTICLE 11 COMPENSATION

§ 11.1 For the Architect's Basic Services described under Article 3, the Owner shall compensate the Architect as follows:

.1 Stipulated Sum
(Insert amount)

.2 Percentage Basis
(Insert percentage value)

Seven (7) % of the Cost of the Work plus Reimbursable Expenses.

.3 Other

Plus optional Lump Sum Fee of \$28,000 for furniture, furnishings, and artwork design package for bidding.

(Paragraphs Deleted)

§ 11.3 For Additional Services that may arise during the course of the Project, including those under Section 4.2, the

Owner shall compensate the Architect as follows:
(Insert amount of, or basis for, compensation.)

Negotiate future phases as percentage of construction costs.

§ 11.4 Compensation for Supplemental and Additional Services of the Architect's consultants when not included in Section 11.2 or 11.3, shall be the amount invoiced to the Architect plus ten percent (10 %), or as follows:
(Insert amount of, or basis for computing, Architect's consultants' compensation for Supplemental or Additional Services.)

§ 11.5 When compensation for Basic Services is based on a stipulated sum or a percentage basis, the proportion of compensation for each phase of services shall be as follows:

Schematic Design Phase	fifteen	percent (15	%)
Design Development Phase	twenty	percent (20	%)
Construction Documents Phase	thirty-five	percent (35	%)
Procurement Phase	five	percent (5	%)
Construction Phase	twenty-five	percent (25	%)
<hr/>				
Total Basic Compensation	one hundred	percent (100	%)

(Paragraph Deleted)

§ 11.6.1 When compensation is on a percentage basis and any portions of the Project are deleted or otherwise not constructed, compensation for those portions of the Project shall be payable to the extent services are performed on those portions. The Architect shall be entitled to compensation in accordance with this Agreement for all services performed whether or not the Construction Phase is commenced.

§ 11.7 The hourly billing rates for services of the Architect and the Architect's consultants are set forth below. The rates shall be adjusted in accordance with the Architect's and Architect's consultants' normal review practices.
(If applicable, attach an exhibit of hourly billing rates or insert them below.)

See Exhibit A

Employee or Category

Rate (\$0.00)

§ 11.8 Compensation for Reimbursable Expenses

§ 11.8.1 Reimbursable Expenses are in addition to compensation for Basic, Supplemental, and Additional Services and include expenses incurred by the Architect and the Architect's consultants directly related to the Project, as follows:

- .1 Transportation and authorized out-of-town travel and subsistence;
- .2 Long distance services, dedicated data and communication services, teleconferences, Project web sites, and extranets;
- .3 Permitting and other fees required by authorities having jurisdiction over the Project;
- .4 Printing, reproductions, plots, and standard form documents;
- .5 Postage, handling, and delivery;
- .6 Expense of overtime work requiring higher than regular rates, if authorized in advance by the Owner;
- .7 Renderings, physical models, mock-ups, professional photography, and presentation materials requested by the Owner or required for the Project;
- .8 If required by the Owner, and with the Owner's prior written approval, the Architect's consultants' expenses of professional liability insurance dedicated exclusively to this Project, or the expense of

additional insurance coverage or limits in excess of that normally maintained by the Architect's consultants;

- .9 All taxes levied on professional services and on reimbursable expenses;

(Paragraph Deleted)

- .11 Registration fees and any other fees charged by the Certifying Authority or by other entities as necessary to achieve the Sustainable Objective; and,
.12 Other similar Project-related expenditures.

§ 11.8.2 For Reimbursable Expenses the compensation shall be the expenses incurred by the Architect and the Architect's consultants. Notwithstanding anything here in to the contrary, the Reimbursable Expenses shall not exceed Ten Thousand and no/100 Dollars (\$10,000) in the Agreement.

§ 11.9 **Architect's Insurance.** If the types and limits of coverage required in Section 2.5 are in addition to the types and limits the Architect normally maintains, the Owner shall pay the Architect for the additional costs incurred by the Architect for the additional coverages as set forth below:

(Insert the additional coverages the Architect is required to obtain in order to satisfy the requirements set forth in Section 2.5, and for which the Owner shall reimburse the Architect.)

§ 11.10 **Payments to the Architect**

§ 11.10.1 **Initial Payments**

§ 11.10.1.1 An initial payment of (\$) shall be made upon execution of this Agreement and is the minimum payment under this Agreement. It shall be credited to the Owner's account in the final invoice.

(Paragraph Deleted)

§ 11.10.2 **Progress Payments**

§ 11.10.2.1 Unless otherwise agreed, payments for services shall be made monthly in proportion to services performed. Payments are due and payable upon presentation of the Architect's invoice. Amounts unpaid Sixty (60) days after the invoice date shall bear interest at the rate entered below, or in the absence thereof at the legal rate prevailing from time to time at the principal place of business of the Architect.

(Insert rate of monthly or annual interest agreed upon.)

§ 11.10.2.2 The Owner shall not withhold amounts from the Architect's compensation to impose a penalty or liquidated damages on the Architect, or to offset sums requested by or paid to contractors for the cost of changes in the Work, unless the Architect agrees or has been found liable for the amounts in a binding dispute resolution proceeding.

§ 11.10.2.3 Records of Reimbursable Expenses, expenses pertaining to Supplemental and Additional Services, and services performed on the basis of hourly rates shall be available to the Owner at mutually convenient times.

ARTICLE 12 SPECIAL TERMS AND CONDITIONS

Special terms and conditions that modify this Agreement are as follows:

(Include other terms and conditions applicable to this Agreement.)

ARTICLE 13 SCOPE OF THE AGREEMENT

§ 13.1 This Agreement represents the entire and integrated agreement between the Owner and the Architect and supersedes all prior negotiations, representations or agreements, either written or oral. This Agreement may be amended only by written instrument signed by both the Owner and Architect.

§ 13.2 This Agreement is comprised of the following documents identified below:

- .1 AIA Document B101™-2017, Standard Form Agreement Between Owner and Architect

| (Paragraph Deleted)

- .3 Exhibits:

(Check the appropriate box for any exhibits incorporated into this Agreement.)

| (Paragraphs Deleted)

| [X] Other Exhibits incorporated into this Agreement:

(Clearly identify any other exhibits incorporated into this Agreement, including any exhibits and scopes of services identified as exhibits in Section 4.1.2.)

- Exhibit A Rate Schedule
- Exhibit B Schematic Floor Plan Dated 6/3/2021

- .4 Other documents:

(List other documents, if any, forming part of the Agreement.)

This Agreement entered into as of the day and year first written above.

OWNER (Signature)

(Printed name and title)



ARCHITECT (Signature)

Samuel K. Beckman Principal/Architect

(Printed name, title, and license number, if required)

Exhibit A



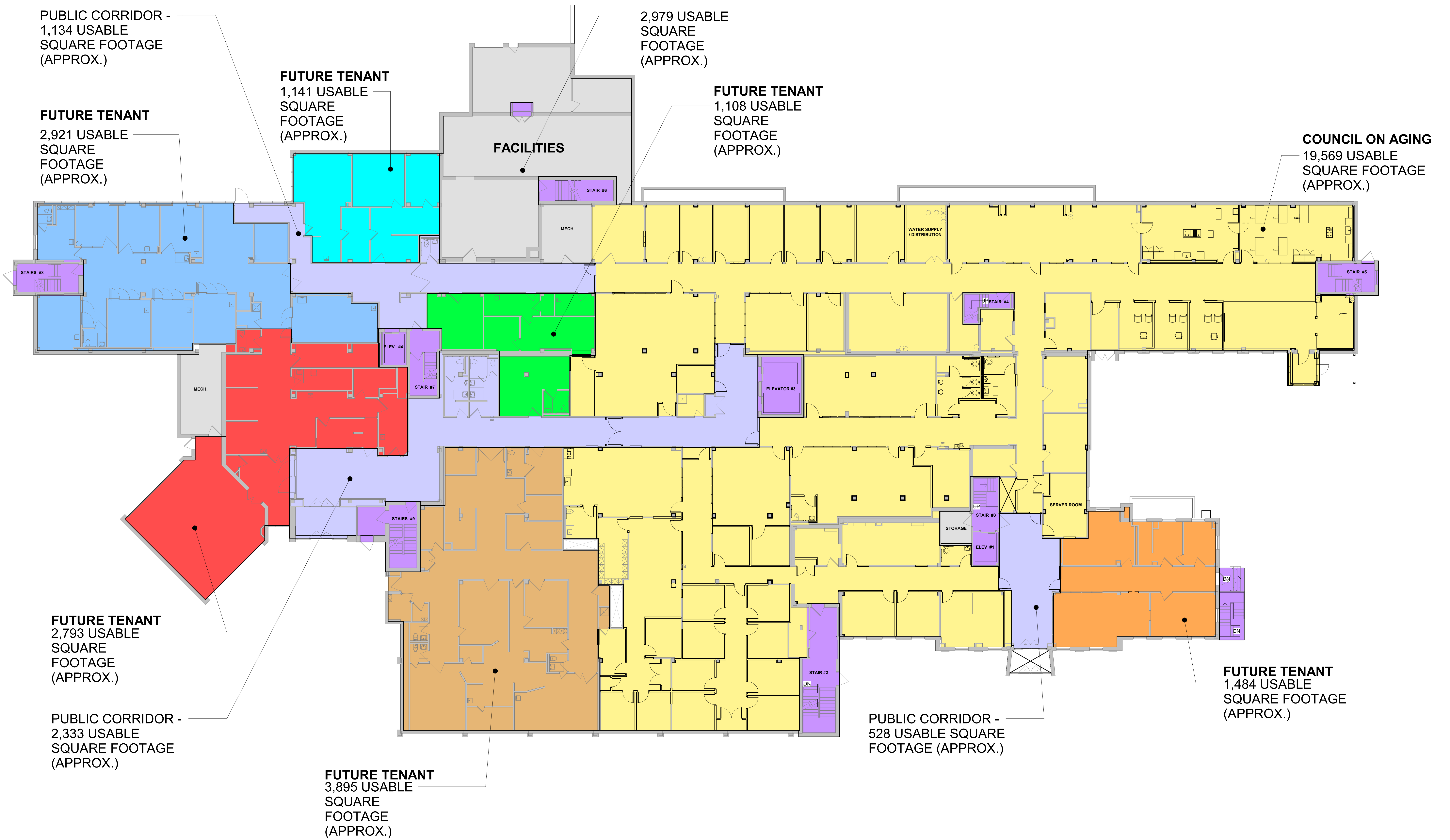
**ACI BOLAND ARCHITECTS
RATE SCHEDULE**

Principal	\$220/HOUR
Associate/Sr. Project Manager/Sr. Architect/Planner	\$200/HOUR
Project Manager/Project Architect/Sr. Interior Designer	\$175/HOUR
Architect/Project Coordinator/Jr. Planner	\$155/HOUR
Team Coordinator	\$140/HOUR
Interior Designer	\$120/HOUR
CADD Operator/Intern	\$120/HOUR

**BRANCHPATTERN – MEP ENGINEERS
RATE SCHEDULE**

MEP Project Manager/Sr. Engineer	\$191/HOUR
MEP Engineer	\$165/HOUR
MEP Designer	\$118/HOUR

NOTE: After December 31, 2021, rates may increase automatically, however the increase will not exceed 10% percent annually.



OVERALL FIRST FLOOR PLAN - USABLE SQUARE
FOOTAGE
3/32" = 1'-0"



Cushing Building Renovation - First Floor

711 Marshall Street
Leavenworth, KS 66048



1710 Wyandotte
Kansas City, MO 64108
T: 816.763.9600 F: 816.763.9757
ACI/Boland, Inc.
Kansas City | St. Louis
Licensee's Certificate of Authority Number:

Leavenworth County Request for Board Action

Date:

To: Board of County Commissioners

From: Public Works

Department Head Approval:

Additional Reviews as needed:

Budget Review **Administrator Review** **Legal Review**

Action Requested: Accept the bid by CC&I Engineering for construction contract for HRRR Project 52-C-5058-01.

Recommendation: Approval

Analysis: This is a no cost share project. Therefore, the county owes KDOT \$0 by accepting this low bid contractor. The total project cost is \$163,156. The new project consists of new MUTCD compliant signage for CR 13&14. The anticipated start date for the sign placement is Mid-August and will last approximately three weeks once it starts.

Alternatives:

Budgetary Impact:

- Not Applicable
- Budgeted item with available funds
- Non-Budgeted item with available funds through prioritization
- Non-Budgeted item with additional funds requested

Total Amount Requested: Up to \$1

Additional Attachments: Bid Tab



Dwight D. Eisenhower State Office Building
700 S.W. Harrison Street
Topeka, KS 66603-3745

Phone: 785-296-3861
Fax: 785-296-6946
kdot#publicinfo@ks.gov
http://www.ksdot.org

Julie L. Lorenz, Secretary
Michael J. Stringer, P.E., Chief

Laura Kelly, Governor

June 17, 2021

**Project Number: 052 C-5058-01
HSIP-C496(222)**

Leavenworth County
Mr. Bill Noll
Infrastructure and Construction Services Direct
300 Walnut, Suite 7
Leavenworth, KS 66048-2765

Dear Mr. Noll:

We are listing below the bidder and the low bid received at Topeka, KS on 6/16/2021 for the above numbered project.

CONTRACTOR	TYPE OF WORK	AMOUNT
CC & I ENGINEERING INC / DBA COMPASS CONSULTANTS PERHAM, MN	Leavenworth County: RS routes 1400, 855, and 2153	\$77,787

This is considered satisfactory when compared with the engineer's estimate, and we believe that contracts should be awarded to the low bidder. If this bid is acceptable to the County, please sign the enclosed resolution and return it to this office. In order to guarantee the low bid, we must receive the expected resolution on or before 7/9/2021. Upon receipt of the signed resolution and approval by the Secretary of Transportation the contract will be awarded.

A combination of bid items and construction engineering less \$163,156 Federal funds will require County matching funds in the amount of \$0. The County remittance should be made on or before 8/5/2021.

Sincerely,


Lisa M. Roth
Digitally signed by Lisa M. Roth
DN: CN=Lisa M. Roth,
OU=Bureau of Local Projects,
O=Kansas Department of
Transportation, L=Topeka,
S=Kansas, C=US
Date: 2021.06.17 09:49:15-0500

for Michael J. Stringer, P.E., Chief
Bureau of Local Projects

mjs/tls/lmr
Enclosures
c Board of County Commissioners
Ms. Rhonda Seitz, Chief of Fiscal Services
Mr. Leroy Koehn, P.E., District One Engineer

**AUTHORITY TO AWARD CONTRACT
COMMITMENT OF COUNTY FUNDS
6/17/2021**

2 Copies to County
Project Number: 052 C-5058-01
HSIP-C496(222)

WHEREAS bids were received at Topeka, KS on 6/16/2021 for the performance of work covered by plans on the above numbered project, and

WHEREAS the bidder and the low bid or bids on work covered by this project were:

CONTRACTOR	TYPE OF WORK	AMOUNT
CC & I ENGINEERING INC / DBA COMPASS CONSULTANTS PERHAM, MN	Leavenworth County: RS routes 1400, 855, and 2153	\$77,787

WHEREAS bids are considered satisfactory and have been recommended by the Secretary of Transportation of the State of Kansas, hereinafter referred to as the SECRETARY, for consideration and acceptance of the work on this project as covered by such bid or bids.

**A combination of bid items and construction engineering less \$163,156 Federal funds
will require County matching funds in the amount of \$0.**

BE IT FURTHER RESOLVED that County funds in the amount of \$0 which are required for the matching of Federal funds are hereby pledged by the County to be remitted to the Chief of Fiscal Services of the Department of Transportation of the State of Kansas on or before 8/5/2021 for use by the SECRETARY in making payments for construction work and engineering on the above designated project with final cost being determined upon completion and audit of the project.

The County certifies that no known or foreseeable legal impediments exist that would prohibit completion of the project and that the project complies with all applicable codes, standards and/or regulations required for completion.

Adopted this _____ day of _____, 20____, at _____, Kansas.

Recommended for Approval:

County Engineer/Road Supervisor

_____, Chairman

Attest:

_____, Member

(Seal)

_____, Member

County Clerk

_____ Member

INVOICE

Keep for your Records
Due on or before 8/5/2021
 PRELIMINARY STATEMENT OF COSTS
 052 C-5058-01
 HSIP-C496(222)

Please Remit Payment to:
 Kansas Department of Transportation
 Bureau of Fiscal Services
 700 SW Harrison Street, 3rd Floor West
 Topeka, KS 66603

Leavenworth County: RS routes 1400, 855, and 2153

Construction and CE Breakdown	
Actual Bid	\$77,787
Water (for grading)	\$0
Sub-Total Actual Bid Amount	\$77,787
LPA CE Contract	\$61,496
Sub-Total Construction and CE	\$139,283
Federal-aid Non-Participating Const. Costs	\$0
Federal-aid Non-Participating CE	\$0
Participating PE Costs	\$23,873
Participating Railroad Costs	\$0
Participating ROW Costs	\$0
Participating Utility Costs	\$0
Federal Participating Project Costs	\$163,156
Total Project Costs	\$163,156

Federal/County Funding Summary	
Total Project Costs	\$163,156
100% County Funds Due to Non-Participating	\$0
Federal Participating Project Costs	\$163,156
CE Paid by KDOT	\$0
Fund 1- Available Funding	\$163,156
100% Federal Funds	\$163,156
0% County Funds	\$0
100% County Funds Due to Max Funding	\$0

CE Breakdown	
Total LPA CE	\$61,496
Federal Non-Participating CE	\$0
Federal Participating CE	\$61,496
County Participating CE	\$7,779
100% Federal Funds	\$61,496
0% County Funds	\$0
CE Paid by KDOT	\$0

Key	
KDOT	Kansas Department of Transportation
LPA	Local Public Authority
CE	Construction Engineering (Inspection)
Const.	Construction

Totals				
	County Funds	Federal Funds	State Funds	Total Funds
Federal Non-Participating Construction	\$0			\$0
Federal Non-Participating CE	\$0			\$0
CE Paid by KDOT			\$0	\$0
Fund 1- 100% Federal Funds		\$163,156		\$163,156
Fund 1- 0% County Funds	\$0			\$0
County Funds Due to Max Funding	\$0			\$0
Total	\$0	\$163,156	\$0	\$163,156

Amount to Bill County (Rounded Up)	\$0
---	------------



- HOME
- TRAVELER INFORMATION
- DOING BUSINESS
- INSIDE KDOT
- PROJECTS/PUBLICATIONS
- PUBLIC INFORMATION

BUREAU OF CONSTRUCTION & MATERIALS

As Read By Project (Bidders List by Individual Project)

Date: 06/16/2021

Contract Number: 521062151

Project Number: 052 C 5058-01

Federal Number: HSIP-C496(222)

Description: SIGNING

County: LEAVENWORTH

State Ties: --

Total Records: 3

[Helpful Definitions](#)

Contractor Name	Bid Amount
CC & I ENGINEERING INC / DBA COMPASS CONSULTANTS	\$77,787.00
SIGNS UP LTD DBA HAREN'S TREES AND CRITTERS	\$80,334.00
MISSION CONSTRUCTION CO INC	\$190,072.00

- | | | | | | |
|--|--|---|--|---|--|
| TRAVELER INFORMATION
TRAFFIC & TRAVELER INFO
KANDRIVE
SAFETY INFORMATION
STATE MAPS
TOURIST INFORMATION
KANSAS BYWAYS
ROAD WEATHER STATIONS
KANSAS CITY METRO
TOPEKA/LAWRENCE METRO
WICHITA METRO | DOING BUSINESS
PERMITS
BIDDING & LETTING
COMMERCIAL VEHICLES
DESIGN CONSULTANTS
HIGHWAY CONTRACTORS
LOCAL GOVERNMENTS
OFFICE OF CONTRACT COMPLIANCE
BRIDGE INSP. PORTAL
LOCAL PROJECTS | INSIDE KDOT
ABOUT KDOT
KANSAS CITY METRO
TOPEKA/LAWRENCE METRO
WICHITA METRO
DISTRICTS
PERFORMANCE | PROJECTS/PUBLICATIONS
T-WORKS
PROJECTS/STUDIES
TRANSPORTATION PLANNING
PUBLICATIONS | PUBLIC INFORMATION
NEWS
OPEN RECORDS
MEDIA CONTACTS
PROPERTY DAMAGE CLAIMS | CONNECT WITH KDOT
MEDIA CONTACTS
CONTACT
FACEBOOK
TWITTER
YOUTUBE
DIRECTORY |
|--|--|---|--|---|--|

**Leavenworth County
Request for Board Action
Resolution 2021-21
Rezoning from RR-2.5 to B-3**

Date: June 30, 2021
To: Board of County Commissioners
From: Planning & Zoning Staff

Department Head Review: Krystal Voth, Reviewed

Additional Reviews as needed:

Budget Review **Administrator Review** **Legal Review**

Action Requested: Approve Resolution 2021-21, a request to rezone a tract of land located in the Northeast Quarter of Section 12, Township 11 South, Range 21 East from RR-2.5 to B-3.

Analysis: The proposed rezoning will modify the zoning district of the parcel located at 19393 State Avenue, Tonganoxie. The property is currently zoned as RR-2.5. The applicants are requesting approval of a rezoning from RR-2.5 to B-3. Staff is supportive of the request as the property is designated as Mixed Use on the Future Land Use Map.

Recommendation: The Planning Commission voted 8-0 (1 absence) to recommend approval of Case No. DEV-21-051 (Resolution 2021-21), Rezoning from RR-2.5 to B-3.

Alternatives:

1. Approve Case No. DEV-21-051 (Resolution 2021-21), Rezoning from RR-2.5 to B-3, with Findings of Fact, and with or without conditions; or
2. Deny Case No. DEV-21-051 (Resolution 2021-21), Rezoning from RR-2.5 to B-3, with Findings of Fact; or
3. Revise or Modify the Planning Commission Recommendation to Case No. DEV-21-051 (Resolution 2021-21), Rezoning from RR-2.5 to B-3, with Findings of Fact; or
4. Remand the case back to the Planning Commission.

Budgetary Impact:

- Not Applicable
- Budgeted item with available funds
- Non-Budgeted item with available funds through prioritization
- Non-Budgeted item with additional funds requested

Total Amount Requested: \$0.00

Additional Attachments: Staff Report, Plat, Planning Commission Minutes

Resolution 2021-21
Case No. DEV-21-051
Rezoning
*****Public Hearing Required*****

Staff Report – Board of County Commissioners

June 30, 2021

GENERAL INFORMATION:

**Applicant/
Property Owner:** Matt Kessler/Red Fuel Repair
18658 207th Street
Tonganoxie, KS 66086

Legal Description: A tract of land in the Northeast Quarter of Section 12, Township 11 South, Range 21 East of the 6th P.M, in Leavenworth County, Kansas.

Location: 19393 State Avenue, Tonganoxie, KS 66086

Parcel Size: ± 9.7 acres

Zoning/Land Use: RR-2.5, Rural Residential 2.5-acre minimum size parcels

Comprehensive Plan: This parcel is within the Mixed-Use land use category.

Parcel ID No.: 191-12-0-00-00-005.00

Planner: Joshua Gentzler

REPORT:

PLANNING COMMISSION RECOMMENDATION:

The Planning Commission voted 8-0 (1 absence) to recommend approval of Case No. DEV-21-051, Rezoning from RR-2.5 to B-3.

Request

The applicant is requesting to rezone a parcel of land from RR-2.5 to B-3.

Adjacent Land Use

The surrounding properties to the North, East, and South are residences and farms on varying sized parcels ranging from 5 acre to over 28 acres in size. Land use adjacent to the west is commercial and zoned B-3 and is 17 acres in size.

Flood Plain

There are is Special Flood Hazard Areas, Zones AE, on this parcel per FEMA Firm Map 20103C0325G July 16, 2015.

Utilities/Services

Sewer: Private septic system
Fire: Stranger
Water: Suburban
Electric: Freestate

Access/Streets

The property is accessed by State Avenue/Highway 24-40. This road is a State Highway with a paved surface ± 100' wide.

Agency Comments

See attached comments – Memo – Kyle Anderson – Planning and Zoning, May 3, 2021
See attached comments – Memo – Lauren Anderson – Public Works, May 5, 2021

Factors to be considered

The following factors are to be considered by the Planning Commission and the Board of County Commission when approving or disapproving this Rezoning request:

1. Character of the neighborhood: The character of the neighborhood is transitional with a mixture of agricultural, residential, and commercial uses along a state highway.
2. Zoning and uses of nearby property: The surrounding properties to the North (across State Avenue), East, and South are zoned RR-2.5, Rural Residential 2.5-acre minimum size parcels. The uses on these properties are rural residences and agricultural use. The property to the West is zoned B-3 and is used as a contractor's yard.
3. Suitability of the property for the uses to which it has been restricted: The property is within an area that would support heavy commercial activity due to the property's location on a state highway.
4. Extent to which removal of the restrictions will detrimentally affect nearby property: The area will not likely be detrimentally affected as the usage will not be changed from its current use.
5. Length of time the property has been vacant as zoned: The property is not vacant.
6. Relative gain to economic development, public health, safety and welfare: The proposed use will add longevity to a parcel that is already being used as a commercial usage. The current/proposed use will continue to allow a business to add to the economic development of the County. The public health and safety and welfare of the neighborhood is not likely to be negatively affected.
7. Conformance to the Comprehensive Plan: The Future Land Use Map indicates this area as Mixed-Use.
8. Staff recommendation is for the approval of the rezoning request.

History

This property has been used as a heavy vehicle repair facility since 2016, when the applicant applied for and received a Special Use Permit for their business, Red Fuel Repair.

Staff Comments

The proposed rezoning is located on State Avenue, approximately 1.1 miles east of the Tonganoxie city limits. The property is located at 19393 State Avenue and is currently zoned RR-2.5. The applicant is requesting approval of a rezoning from RR-2.5 to B-3. The property is categorized as Mixed Use by the Comprehensive Plan, which would allow for this type of usage. The property is categorized as T-3- Suburban Zone in the US 24-40 Corridor Plan, which allows for "Low density residential, civic and institutional uses, and limited neighborhood serving office and retail uses." The Staff is supportive of the request as the property is located immediately adjacent to Highway 24-40/State Avenue and is aligned with the Comprehensive Plan growth strategy. Staff recommends approval of Case No. DEV-21-051, Rezoning from RR-2.5 to B-3.

ACTION OPTIONS:

1. Approve Case No. DEV-21-051 (Resolution 2021-21), Rezoning from RR-2.5 to B-3, with Findings of Fact, and with or without conditions; or
2. Deny Case No. DEV-21-051 (Resolution 2021-21), Rezoning from RR-2.5 to B-3, with Findings of Fact; or
3. Revise or Modify the Planning Commission Recommendation to Case No. DEV-21-051 (Resolution 2021-21), Rezoning from RR-2.5 to B-3, with Findings of Fact; or
4. Remand the case back to the Planning Commission.

ATTACHMENTS:

Narrative
Location/Aerial Maps
Memorandums



Leavenworth County
Planning & Zoning Department
300 Walnut, Suite 212
Leavenworth, Kansas 66048

To: Krystal Voth
Director

From: Kyle Anderson
Environmental Tech/Code Enforcement

Date: May 3, 2021

RE: Matt Kessler
Red Fuel Repair, LLC
Case DEV-21-051, Rezoning
19393 State Ave
Tonganoxie, KS 66086
PID# 191-12-0-00-00-005.00

Our department received a Rezone application for the property at 19393 State Ave Tonganoxie, KS 66048. We have not received any complaints on this property and all conditions of the previous Special Use Permit were met.

Thank you,

Kyle Anderson
kanderson@leavenworthcounty.gov

From: [Anderson, Lauren](#)
Sent: Wednesday, May 5, 2021 10:17 AM
To: [Gentzler, Joshua](#)
Cc: [Noll, Bill](#)
Subject: RE: DEV-21-051 Rezoning request for 18648 207th Street, Tonganoxie

Joshua,

Public Works does not have any statement on this rezoning request. This property is located on a state maintained roadway, not a county road so we will leave that to the state dot to weigh in, if you've requested that.

Lauren

From: Gentzler, Joshua
Sent: Friday, April 30, 2021 4:06 PM
To: 'Timothy Smith' <chief1860@ttrfd.com>; 'Travis@SuburbanWaterInc.com' <Travis@SuburbanWaterInc.com>; 'Amanda Holloway (Amanda.holloway@freestate.coop)' <Amanda.holloway@freestate.coop>; Anderson, Kyle <KAnderson@leavenworthcounty.gov>; Anderson, Lauren <LAnderson@leavenworthcounty.gov>; Magaha, Chuck <CMagaha@leavenworthcounty.gov>; Miller, Jamie <JMiller@leavenworthcounty.gov>; Mitch Pleak <MPleak@olsson.com>; Thorne, Eric <ethorne@leavenworthcounty.gov>; Van Parys, David <DVanParys@leavenworthcounty.gov>
Subject: RE: DEV-21-051 Rezoning request for 18648 207th Street, Tonganoxie

All,

The proposed rezoning is for the Red Fuel Repair business location located on 19393 State Avenue, not 207th Street. I apologize for the error.

Joshua Gentzler
[Planning & Zoning](#)

From: Gentzler, Joshua
Sent: Thursday, April 29, 2021 4:40 PM
To: 'Timothy Smith' <chief1860@ttrfd.com>; 'Travis@SuburbanWaterInc.com' <Travis@SuburbanWaterInc.com>; Amanda Holloway (Amanda.holloway@freestate.coop) <Amanda.holloway@freestate.coop>; Anderson, Kyle <KAnderson@leavenworthcounty.gov>; Anderson, Lauren <LAnderson@leavenworthcounty.gov>; Magaha, Chuck <CMagaha@leavenworthcounty.gov>; Miller, Jamie <JMiller@leavenworthcounty.gov>; Mitch Pleak <MPleak@olsson.com>; Thorne, Eric <ethorne@leavenworthcounty.gov>; Van Parys, David <DVanParys@leavenworthcounty.gov>
Subject: DEV-21-051 Rezoning request for 18648 207th Street, Tonganoxie

Good afternoon,

The Department of Planning and Zoning has received an application for a Rezoning regarding a property at 18648 207th Street, Tonganoxie, KS 66086.

The Planning Staff would appreciate your written input in consideration of the above request. Please review the attached information and forward any comments to us by Thursday, May 6th.

From: [Mark Billquist](#)
Sent: Thursday, May 13, 2021 6:30 PM
To: [Gentzler, Joshua](#)
Subject: Re: DEV-21-051 Rezoning request for 19393 State Avenue, Tonganoxie

Notice: This email originated from outside this organization. Do not click on links or open attachments unless you trust the sender and know the content is safe.

Mr. Gentzler,

Stranger Township has no issues with the renewal of the Special Use Permit for Red Fuel Repair. Matt has been very upfront and receptive to any safety needs at his work site.

Mark Billquist

Stranger Township Fire Chief

On Wed, May 12, 2021 at 4:57 PM Gentzler, Joshua <JGentzler@leavenworthcounty.gov> wrote:

Good afternoon,

The Department of Planning and Zoning has received an application for a Rezoning regarding a property at 19393 State Avenue, Tonganoxie, KS 66086.

The Planning Staff would appreciate your written input in consideration of the above request. Please review the attached information and forward any comments to us by Monday, May 17th.

If you have any questions or need additional information, please contact me at (913) 684-0464 or at JGentzler@LeavenworthCounty.Gov.

Thank you,

Joshua Gentzler

Planner II

[Planning & Zoning](#)

Leavenworth County

913.684.0464

--

Mark Billquist

Stranger Township Fire Chief

Midwest Regional Treasurer 10-33 Foundation

[913-369-0510](tel:913-369-0510) mobile

stfdchief1760@gmail.com

"Sometimes your joy is the source of your smile, but sometimes your smile can be the source of your joy." – Thich Nhat Hanh

SPECIAL USE PERMIT APPLICATION

Leavenworth County Planning Department
300 Walnut, St., Suite 212
County Courthouse
Leavenworth, Kansas 66048
913-684-0465

Office Use Only

PID: 191-12-0-00-00-005.00 Date Received: 4-19-2021
Township Tonganoxie
Planning Commission Date: June 6
Case No. DEV-21-051 Date Paid 4-9-2021
Zoning District RR-2.5
Comprehensive Plan land use designation Mixed Use

APPLICANT/AGENT INFORMATION

OWNER INFORMATION (If different)

NAME Red Fuel Repair, LLC
ADDRESS 18648 207th St.
CITY/ST/ZIP Tonganoxie, KS 66086
PHONE 913-544-3043
EMAIL redfuelrepair@yahoo.com
CONTACT PERSON Matt Kessler

NAME _____
ADDRESS _____
CITY/ST/ZIP _____
PHONE _____
EMAIL _____
CONTACT PERSON _____

PROPOSED USE INFORMATION

Existing and Proposed structures Existing: 50x80 shop Possible addition: 30x50
Reason for requesting a Special Use Permit Currently operate a repair facility at this address. Would like our current Special Use permit renewed.

PROPERTY INFORMATION

Address of property 19393 State Ave. Tonganoxie, KS 66086 Parcel size 9.7 acres
Current use of the property Current location of Red Fuel Repair, LLC (Repair facility)
Does the owner live on the property? No
Does the applicant own property in states or counties other than Kansas and Leavenworth County? No

I, the undersigned am the (circle one) owner, duly authorized agent, of the aforementioned property situated in the unincorporated portion of Leavenworth County, Kansas. By execution of my signature, I do hereby officially apply for a Special Use Permit as indicated above. I hereby agree to "cease and desist" the operation of the activity upon denial of the permit by the Board of County Commissioners.

Signature [Signature] Date 4/9/21

ATTACHMENT A



Special Use Permit Request For

**19393 State Avenue
Tonganoxie, KS 66086**

To Whom It May Concern,

I am requesting a special use permit renewal for 19393 State Avenue, Tonganoxie, KS 66086. This is the current location of Red Fuel Repair, LLC, which has been operating under a Special Use Permit for the last 5 years.

Work performed at the site is heavy equipment, truck and bus repair. Our business hours are from 7:30 am - 5:00 pm Monday through Friday. Currently, we have 4 full time mechanics, myself, and 2 part time employees. Two of our mechanics are mobile, but frequently work at our location. Over the last 5 years we have seen significant growth. If this trend continues, I may be adding 2 or 3 more full time mechanics in the next few years, in which case, our building may need expansion. Our current shop is 50 ft X 80 ft. If expansion is needed, it would be approximately 30 ft X 50 ft.

We remain committed to protecting the environment and continue to protect against spilling contaminants. Concerning storage of lubricants/oil/fluids, all bulk fluids, new or waste, these items are stored in a containment system. If a leak occurs in a tank, the fluids will be contained and the tank repaired or replaced. Waste oil and waste antifreeze are removed from site by a waste oil and antifreeze recycling professional.

Most work at our location will continue to occur inside the shop.

I understand the importance of maintaining curb appeal. A berm has been constructed along the front of the property for a visual barrier to travelers. I am currently working on finishing a parking area adjacent to the berm for equipment that has been dropped off to be worked on. By doing this, most of the trucks/equipment will be out of the line of sight of travelers on the road.

Safeguards for emergency measures include fire extinguishers being adequately available as well as adequate exits in the event of a fire. Input from the local fire department has been welcomed. In the event of dangerous weather, employees will evacuate to the nearest substantial shelter. A weather radio is in the facility to warn of impending dangerous weather in the area. Fire and medical emergency procedures are posted in the shop.

The expected inflow of traffic each day consists of myself, my 4 full time employees and my 2 part time employees on occasion. In addition, we average about 12 vehicles per day by customers and vendors. Most of the traffic from our clients will be heavy trucks, some of them with trailers with the broken equipment on them.

I would like to add signage in a tasteful manner on the property so that our customers can locate us easily.

Thank you for considering my proposal. Please feel free to contact me with any questions at (913)544-3043 or at redfuelrepair@yahoo.com.

Sincerely,

A handwritten signature in blue ink, appearing to read "Matt Kessler", written over a horizontal line.

Matt Kessler, Owner
Red Fuel Repair, LLC



19393 State Ave, Tonganoxie, Ks 66086 • (913) 544-3043 • redfuelrepair@yahoo.com

Benefits of Special Use Permit Renewal to Leavenworth County:

- We are currently providing steady employment for 5 full time and 2 part time employees in the area. The sum of the gross wages paid to our employees in 2020 exceeded \$320,000. In the next couple of years, we will most likely be adding to our number of full time employees.
- Sales Tax Collected in the last 5 years

	2016	2017	2018	2019	2020	Total
Total Collected	\$33,000.00	\$44,000.00	\$47,000.00	\$60,000.00	\$65,000.00	\$249,000.00
LV County	\$23,600.00	\$23,100.00	\$33,900.00	\$44,500.00	\$51,500.00	\$176,600.00

As indicated in the graph, the sales tax collected in Leavenworth County has more than doubled in the last 5 years. We anticipate this to continue to grow.

- We serve many clients in the greater Kansas City area. Since the opening of our shop location in Leavenworth County, a large number of those clients bring their equipment to us. Their traffic to the area supports other businesses in the area such as gas stations and restaurants.

Doc #: 2016R07665
STACY R. DRISCOLL
REGISTER OF DEEDS
LEAVENWORTH COUNTY
RECORDED ON
09/01/2016 04:35PM
RECORDING FEE: \$37.00

2

Entered in the transfer record in my office this

1st day of Sept. 2016
Janet Klasinski by Reg. Matten
County Clerk

INDEBTEDNESS: 0
PAGES: 3

Kansas Secured Title
866 Northstar Court
Tonganoxie, KS 66086

TX0010591

GENERAL WARRANTY DEED
(Statutory)

Lyle V. Predmore and Hiroko Predmore, husband and wife

convey and warrant to

Red Fuel Repair, LLC, all the following REAL ESTATE in the County of LEAVENWORTH, and the State of Kansas, to-wit:

A tract of land in the Northeast 1/4 of Section 12, Township 11 South, Range 21 East of the 6th P.M., in Leavenworth County, Kansas, more fully described as follows: Beginning at a point 40.15 feet South of the Northwest corner of the Northeast 1/4 of said Section 12, said point of beginning also being the South right-of-way line of US 24-40 Highway; thence South along the West line of said Northeast 1/4 1279.85 feet; thence Easterly 330.00 feet; thence North parallel to the West line of said Northeast 1/4 to a point on the South right-of-way line of said US 24-40 Highway 1277.21 feet; thence Westerly along the said right-of-way line of US 24-40 Highway 330.00 feet to the point of beginning, less any part thereof taken or used for road or highway purposes.

1244

LESS that part deeded to The Secretary of Transportation of the State of Kansas in Book 698, Page 1085 recorded in the Register of Deeds Office, Leavenworth County, Kansas on September 7, 1994 described as follows: ALL RIGHT OF ACCESS to and from the abutting public highway over and across a line in the Northeast Quarter of Section 12, Township 11 South, Range 21 East of the 6th P.M., Leavenworth County, Kansas, described as follows: Commencing at the Northwest corner of said Quarter Section; thence on an assumed bearing of South 01 degree 48 minutes 30 seconds East, 62.20 feet along the West line of said Quarter Section to the Southerly right of way line of the existing highway and the POINT OF BEGINNING; FIRST COURSE, thence North 88 degrees 00 minutes 22 seconds East, 330.00 feet along said right of way line. Except and reserving, however, unto owners of abutting land, their heirs or assigns, the right of access to said highway for the purpose of an entrance over and across the following described course: BEGINNING at the beginning of said "FIRST" course and extending North 88 degrees 00 minutes 22 seconds East, 59.59 feet.

for the sum of one dollar and other good and valuable consideration.

ACKNOWLEDGMENT

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

State of California
County of San Diego)

On August 30th, 2016 before me, Omar R. Kanan, Notary Public
(insert name and title of the officer)

personally appeared Lyle V. Predmore & Hiroko Predmore
who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) ~~is/are~~
subscribed to the within instrument and acknowledged to me that ~~he/she~~ they executed the same in
~~his/her~~ their authorized capacity(ies), and that by ~~his/her~~ their signature(s) on the instrument the
person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Signature _____



(Seal)





Laura Kelly, Governor
Mark A. Burghart, Secretary
www.ksrevenue.org

CERTIFICATE OF TAX CLEARANCE

RED FUEL REPAIR, LLC

ISSUE DATE
03/31/2021

TRANSACTION ID
TMYH-MYEF-N2KC

CONFIRMATION NUMBER
CGNM-DDE7-J4DA

TAX CLEARANCE VALID THROUGH 06/29/2021

*Verification of this certificate can be obtained on our website, www.ksrevenue.org,
or by calling the Kansas Department of Revenue at 785-296-3199*

← US 24-40 →

PRIVACY BERRAS
BLOCKS VIEW FROM
PUBLIC EFFECTIVELY

PROPOSED
SIGNAGE

↑
N
↓

— ENTRANCE —

PARKING
AREA

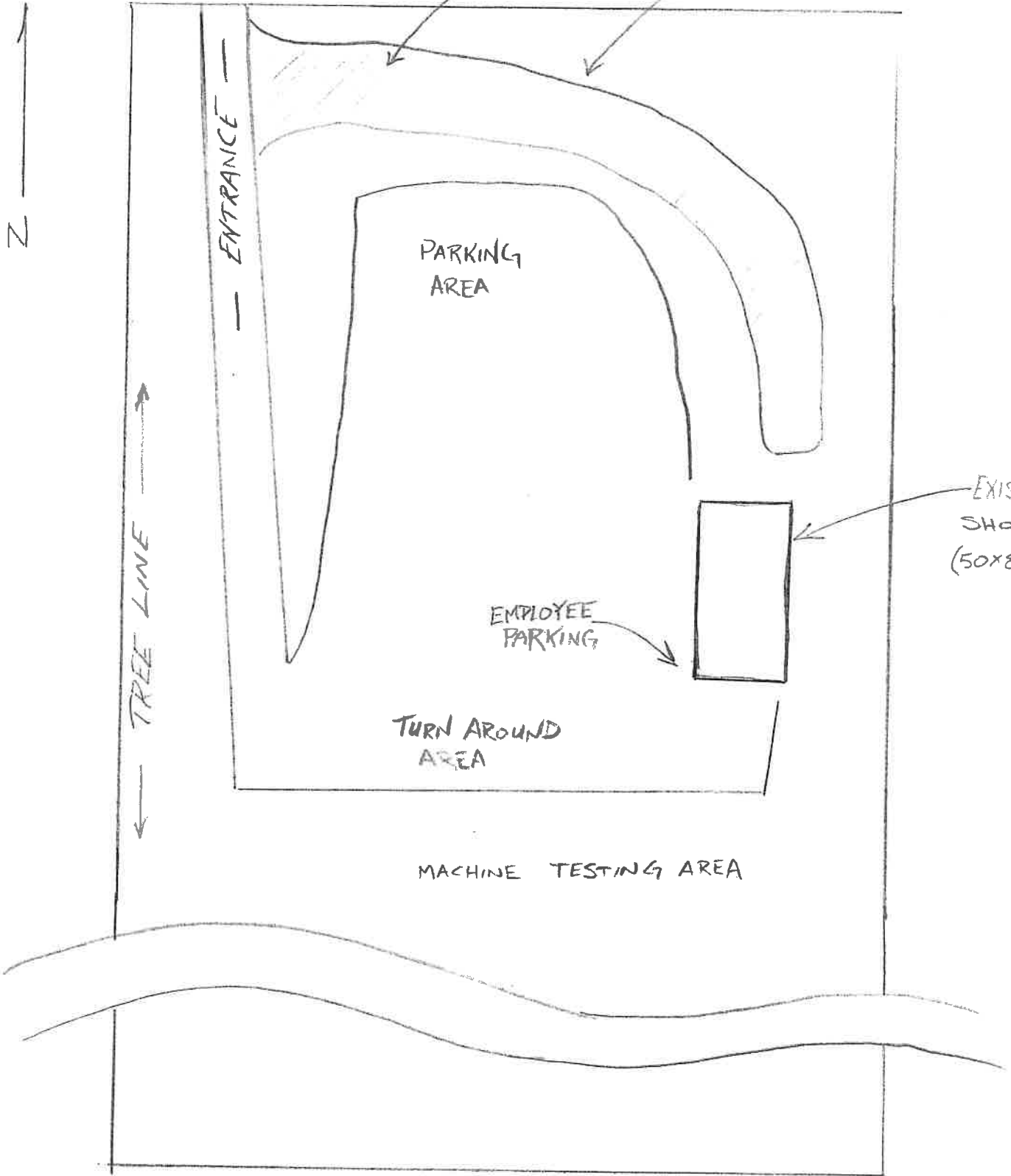
↑
TREE LINE
↓

EMPLOYEE
PARKING

EXISTING
SHOP
(50x80)

TURN AROUND
AREA

MACHINE TESTING AREA



RESOLUTION 2021-21

A resolution of the Leavenworth County Kansas Board of Commissioners, authorizing a rezoning from RR-2.5 to B-3 on the following described property:

A tract of land in the Northeast Quarter of Section 12, Township 11 South, Range 21 East of the 6th P.M, in Leavenworth County, Kansas more commonly known as 19393 State Avenue.

WHEREAS, it is hereby found and determined that a request for a Rezoning as described above was filed with the Secretary of the Leavenworth County Planning Commission, on the 9th day of June, 2021, and

WHEREAS, it is hereby found that the Leavenworth County Planning Commission, after notice as required by law, did conduct a public hearing upon the granting of such request for a Rezoning on the 9th day of June, 2021; and

WHEREAS, it is hereby found that the Leavenworth County Planning Commission, based upon specific findings of fact incorporated by reference herein, did recommend that the Rezoning be approved; and

WHEREAS, the Board of County Commissioners considered, in session on the 30th day of June, 2021, the recommendation of the Leavenworth County Planning Commission.

NOW, THEREFORE, BE IT RESOLVED by the Board of County Commissioners of Leavenworth County, Kansas, that:

1. Based upon the recommendation and findings of fact of the Leavenworth County Planning Commission; and,
2. Based upon the findings of fact adopted by the Board of County Commissioners in regular session on the 30th day of June, 2021, and incorporated herein by reference;

That request for rezoning as described above, also known as 19393 State Avenue, Parcel Identification Number 191-12-0-00-00-005.00, is hereby granted.

Adopted this 30th day of June, 2021
Board of County Commission
Leavenworth, County, Kansas

Mike Smith, Chairman

ATTEST

Jeff Culbertson, Member

Janet Klasinski

Vicky Kaaz, Member

Doug Smith, Member

Mike Stieben, Member

**Leavenworth County
Request for Board Action
Resolution 2021-22
Special Use Permit – TNT
Baseball**

Date: June 30, 2021

To: Board of County Commissioners

From: Planning & Zoning Staff

Department Head Review: Krystal Voth, Reviewed

Additional Reviews as needed:

Budget Review Administrator Review Legal Review

Action Requested: The applicants are requesting a Special Use Permit for an Athletic Training Facility for the TNT Baseball Academy indoor facility.

Analysis: The applicant is currently operating an indoor baseball training facility out of an 80' x 60' accessory structure located behind his home. The building was permitted and built in 2020. During the permitting process Staff was not made aware of the purpose of the building at that time. The applicant has created a secondary access and parking area for access to the building from 178th Street. This access is located approximately 290 feet south of the existing driveway. The parking area is located along the north side of the driveway seen in the aerial above and currently has space for 12 vehicles. The applicant has plans to expand the parking space in the future. Parking on-site appears adequate for the needs of the business. The Stranger Fire Department has been in contact with the applicant to work to bring the parking/access to the facility to meet the Fire Department's requirements. The applicant has agreed to add an additional exit/access door to the facility, extending the drive to the building to allow for emergency vehicles to maneuver, and adding an all-weather path from the parking area to the building.

The applicant utilizes this building as a training facility for local youth baseball teams. The stated goal for the facility is to be the off-season training facility for eight (8) youth baseball teams. The applicant states that the facility had over 30 practices each month from January to March, which is their forecasted busiest time of the season. Each practice includes nine to 11 vehicles travelling to the site for drop-off and pick-up and therefore induces an estimated 31-39 one-way trips per practice. During the busy season for the applicant, assuming seven to eight practices a week based on the applicant's usage from January through March 2021, this would equate to 217 – 312 vehicle trips per week.

Staff recommends denial of the Special Use Permit.

Recommendation: The Planning Commission voted 5-3 to recommend approval of Case No. DEV-21-022 (Resolution 2021-22), Special Use Permit for TNT Baseball subject to conditions.

Protest Petition: There was a valid protest petition submitted for this case. KSA 12-757 requires a resolution with a valid protest petition to be passed by a ¾ vote for all members of the governing body. As a result, it is required for 4 members of the Board of County Commissioners to vote to approve the resolution in order for Resolution 2021-22 to be adopted by Leavenworth County.

Alternatives:

1. Approve Case No. DEV-21-022 (Resolution 2021-22), Special Use Permit for TNT Baseball, with Findings of Fact, and with or without conditions; or
2. Deny Case No. DEV-21-022 (Resolution 2021-22), Special Use Permit for TNT Baseball, with Findings of Fact; or
3. Revise or Modify the Planning Commission Recommendation to Case No. DEV-21-022 (Resolution 2021-22), Special Use Permit for TNT Baseball, with Findings of Fact; or
4. Remand the case back to the Planning Commission.

Budgetary Impact:

- Not Applicable
- Budgeted item with available funds
- Non-Budgeted item with available funds through prioritization
- Non-Budgeted item with additional funds requested

Total Amount Requested: \$0.00

Additional Attachments: Staff Report, Plat, Planning Commission Minutes

DEV-21-022 TNT Baseball SUP



Legend

- Address Point
- Parcel Number
- Lot Line
- Parcel
- City Limit Line
- Major Road
- <all other values>
- 70
- Road
- + Railroad
- Section
- Section Boundaries
- County Boundary

1 in. = 193ft.

385.6 0 192.82 385.6 Feet

This Cadastral Map is for informational purposes only. It does not purport to represent a property boundary survey of the parcels shown and shall not be used for conveyances or the establishment of property boundaries.

THIS MAP IS NOT TO BE USED FOR NAVIGATION

Notes

Resolution 2021-22
Case No. DEV-21-022
TNT Baseball

Special Use Permit – Athletic Training Facility
Public Hearing Required

Staff Report – Board of County Commissioners

June 30, 2021

GENERAL INFORMATION:

**Applicant/
Property Owner:** Trent West
19897 178th Street
Tonganoxie, KS 66086

Legal Description: A tract of land in the Northwest Quarter of Section 32, Township 10 South, Range 22 East of the 6th P.M, in Leavenworth County, Kansas.

Location: 19897 178th Street, Tonganoxie, KS 66086

Parcel Size: ± 12 acres

Zoning/Land Use: RR-2.5, Rural Residential 2.5-acre minimum size parcels

Comprehensive Plan: This parcel is within the Residential (3 Units / Acre) land use category.

Parcel ID No.: 159-32-0-00-00-018.01

Planner: Joshua Gentzler

REPORT:

PLANNING COMMISSION RECOMMENDATION:

The Planning Commission voted 5-3 to recommend approval of Case No. DEV-21-022 (Resolution 2021-22), Special Use Permit for TNT Baseball with the following conditions:

1. The SUP shall be limited to a period of five (5) years.
2. The business shall be limited to the hours of 4 PM to 8 PM, Monday through Friday, and 9 AM to 6 PM on Saturday and Sunday.
3. The SUP shall be limited to no employees other than family.
4. An engineered septic system and water supply shall be required for the business.
5. Any modifications to the building and/or parking area shall meet or exceed the Floodplain Regulations. All appropriate permits shall be obtained prior to modifications of the building and parking area.
6. The applicant shall adhere to the following memorandums:
 - a. Chuck Magaha – Emergency Management, March 18, 2021
 - b. Mark Billquist – Stranger Township Fire District, March 17, 2021
7. No signage is allowed in the right-of-way. No signage is requested with the SUP. All signage shall comply with Article 25, Sign Regulations of the Leavenworth County Zoning and Subdivision Regulations.
8. No on-street parking shall be allowed.
9. This SUP shall be limited to the Narrative dated February 25, 2021 submitted with this application.

10. This SUP shall comply with all local, state, and federal rules and regulations that may be applicable. After approval of this SUP by the Board of County Commission all conditions listed shall be adhered to and copies shall be provided to the Planning and Zoning Department within 30 days.

Request

The applicant is requesting a Special Use Permit for an Athletic Training Facility for a baseball training facility.

Adjacent Land Use

The surrounding properties are residences and farms on varying sized parcels ranging from 5 acres to over 80 acres in size.

Flood Plain

There are is a Special Flood Hazard Areas on this parcel per FEMA Firm Map 20103C0238G July 16, 2015.

Utilities/Services

Sewer: Private septic system

Fire: Stranger Township

Water: Suburban

Electric: FreeState

Access/Streets

The property is accessed by 178th Street, a County with a gravel surface ± 22' wide.

Agency Comments

See attached comments – Memo – Kyle Anderson – Planning and Zoning, March 3, 2021

See attached comments – Email – Mitch Pleak – Public Works, May 10, 2021

See attached comments – Memo – Chuck Magaha – Emergency Management, March 18, 2021

See attached comments – Email – Janelle Phillips – Kansas Dept. of Water Resources, March 26, 2021

See attached comments – Email – David Van Parys – County Counselor, March 2, 2021

See attached comments – Email – Mark Bilquist – Stranger Township Fire Department, March 17, 2021

See attached comments – Email – Amanda Tarwater – FreeState, March 2, 2021

Factors to be considered

The following factors are to be considered by the Planning Commission and the Board of County Commission when approving or disapproving this Special Use Permit request:

1. Character of the neighborhood: The character of the neighborhood is rural; primarily rural residences, and agricultural uses.
2. Zoning and uses of nearby property: The surrounding properties are zoned RR-2.5, Rural Residential 2.5-acre minimum size parcels. The uses are rural residences and agricultural.
3. Suitability of the property for the uses to which it has been restricted: The property is within an area suited for rural residences and agricultural use. The use is allowed with approval of a Special Use Permit.
4. Extent to which removal of the restrictions will detrimentally affect nearby property: Nearby property could be affected by the dust created by induced demand on the roadway. The applicant states that the property could see over 30 vehicle trips per practice.
5. Length of time the property has been vacant as zoned: The property is not vacant.
6. Relative gain to economic development, public health, safety and welfare: The proposed use will provide income for the applicant and a service to the community.
7. Conformance to the Comprehensive Plan: The Future Land Use Map indicates this area should be developed as a Residential area with a density of 3 Units per Acre.
8. Staff recommendation is for the denial of the Special Use Permit.

LOCATION	
Adjacent Residences	Adjacent residences are rural-suburban uses. The property adjacent to the north and west is used as an agricultural property. Property to the east is a 73-acre property used as a residential property. The property to the south is an 8-acre property used as a residential property.
Adjacent Zoning/Uses	Zoning in the area is RR-2.5 and are used primarily as rural residences and agricultural uses.
Density	The area is not densely populated.
Nearby City Limits	The city of Basehor is approximately 1.1 miles to the southeast of the property.
Initial Growth Management Area	The property is not located within an Urban Growth Management Area.

IMPACT	
Noise Pollution	This use will not cause prolonged noise pollution. The primary times of elevated noise levels will be on weekday evenings, between 5:00 PM and 8:00 PM, and on weekends between 9 AM and 8 PM, when teams and players arrive at the site to begin practice inside the facility.
Traffic	The use will create additional traffic in the evenings on weekdays and throughout the day on the weekends. Up to 22 vehicles may arrive each evening, during the week, and up to 66 vehicles on Saturday and Sunday. These vehicles will return at the end of practice to pick up players at the facility. The operation does not employ any additional employees.
Lighting	The applicant does not have lighting other than security lighting and is not requesting lighting.
Outdoor Storage	The applicant does not store anything outside.
Parking	The applicant has made 12 parking spaces available for the customers and is in process of adding additional spaces. The vehicles will arrive in stages at the beginning and end of practices. The parking area will not need to serve all 66 vehicles mentioned above at one time.
Visitors/Employees	Typically, the business schedules at least one practice per day during the winter months. This would bring an estimated 9-12 players and coaches per practice, not including parents, Over the course of a week, this would equate to an estimated 63 to 84 customer visits.
Waste	The business generates normal household/commercial waste.

SITE COMPATABILITY	
Size of Parcel	The parcel is twelve (12) acres in size.
Zoning of Parcel	The parcel is zoned Rural Residential-2.5
Buildings (Existing & Proposed)	The applicant has a building on the property that is approximately 80x60. The baseball practices occur within this building.
Setbacks	Existing building meet the required setbacks.
Screening	The property is not fully screened. The property does have an existing tree line on the northeast corner of the property providing screening of the house and accessory building.

History

This is the applicant's first request for a Special Use Permit. The need for a Special Use Permit was discovered after operations began. The applicant applied for a permit when he was notified of the necessity of the permit by County Staff.

Staff Comments

The applicant is currently operating an indoor baseball training facility out of an 80' x 60' accessory structure located behind his home. The building was permitted and built in 2020. During the permitting process Staff was not made aware of the purpose of the building at that time. The applicant has created a secondary access and parking area for access to the building from 178th Street. This access is located approximately 290 feet south of the existing driveway (as seen below).



Figure 1 May 2020 Google Earth Aerial

The parking area is located along the north side of the driveway seen in the aerial above and currently has space for 12 vehicles. The applicant has plans to expand the parking space in the future. Parking on-site appears adequate for the needs of the business.

The property is located approximately 840 feet south of the paved section of 178th street and the road narrows to the north of the property before expanding at the bridge at the southeast corner of the property.

The Stranger Fire Department has been in contact with the applicant to work to bring the parking/access to the facility to meet the Fire Department's requirements. The applicant has agreed to add an additional exit/access door to the facility, extending the drive to the building to allow for emergency vehicles to maneuver, and adding an all-weather path from the parking area to the building.

The applicant utilizes this building as a training facility for local youth baseball teams. The stated goal for the facility is to be the off-season training facility for eight (8) youth baseball teams. The applicant states that the facility had over 30 practices each month from January to March, which is their forecasted busiest time of the season. Each practice includes nine to 11 vehicles travelling to the site for drop-off and pick-up and therefore induces an estimated 31-39 one-way trips per practice. During the busy season for the applicant, assuming seven to eight practices a week based on the applicant's usage from January through March 2021, this would equate to 217 – 312 vehicle trips per week.

Staff has the following concerns regarding the approval of this Special Use Permit:

1. The potential for growth of the business would place a significant commercial endeavor in the midst of an area that is primarily agricultural. The placement of a commercial enterprise in this area could cause negative interactions with the surrounding neighbors and conflict with development in the future.
2. The amount of traffic induced by this business could interfere with neighboring properties.
3. There could be challenges with traffic along 178th Street for both customers and neighbors during practice change-over times due to the limited space at this location.
4. Usage of the property for this purpose does not fit the character of the neighborhood.

STAFF RECOMMENDATION:

The staff recommends denial of Case No. DEV-21-022 (Resolution 2021-22), Special Use Permit for TNT Baseball.

ACTION OPTIONS:

1. Approve Case No. DEV-21-022 (Resolution 2021-22), Special Use Permit for TNT Baseball, with Findings of Fact, and with or without conditions; or
2. Deny Case No. DEV-21-022 (Resolution 2021-22), Special Use Permit for TNT Baseball, with Findings of Fact; or
3. Revise or Modify the Planning Commission Recommendation to Case No. DEV-21-022 (Resolution 2021-22), Special Use Permit for TNT Baseball, with Findings of Fact; or
4. Remand the case back to the Planning Commission.

ATTACHMENTS:

Narrative
Location/Aerial Maps
Memorandums

FILED

JUN 23 2021

LEAVENWORTH COUNTY KANSAS
COUNTY CLERK

PROTEST PETITION

Page 1 of 2

We, the undersigned, in accordance with KSA 12-757, being owners of record of the property enumerated below, protest the proposed Indoor Baseball Facility on the property described as a tract of land located in the Southwest Quarter of Section 32, Township 10 South, Range 22 East In Leavenworth County, Kansas, commonly known as 19897 178th Street

For the following reasons:

The structure was permitted by the County for the use "Accessory – Storage". In well under a year, this facility was being advertised a premium feature of the TNT Baseball Academy on Facebook and its own web site (<https://www.tntbaseballacademy.net/>). The TNT Academy advertises that "the facility is also available year-round for non-TNT team or individual practice sessions on a first come, first served basis." Prices per hour are listed. The TNT web site shows this facility is available for booking seven days a week, 9AM-8PM, throughout the entire year, and its use is expected to grow. The owner/operator of this commercial facility stated in the June 9th Planning Commission meeting that his goal is to increase the number of TNT teams using this commercial facility by nearly 300%. Team play is not free. The cost per player is \$950. Such a commercial operation is inconsistent with the rural zoning in which it was placed, as well as in direct conflict with the Leavenworth County Comprehensive Plan of August, 2020.

There is an impact from traffic. The roadway from the south edge of 178th dust control surfacing to the driveway that turns into the TNT Academy is unpaved, and is so narrow many people just pull over to allow traffic to travel this section one vehicle at a time. Even a small increase in traffic has a large effect on the dust that flows naturally with summer southern winds, and the huge plumes of dust kicked up by each vehicle that travels northward on this road. Every vehicle departing the commercial facility to the north creates such dust plumes during dry conditions. Additionally, pedestrian traffic on 178th Street has already increased as several families will drop off their trainee, then take a stroll in the countryside while they wait. Although this is a public road completely available for pedestrians at any time, there are safety concerns for these pedestrians, particularly when walking on the narrow, unpaved section mentioned above. Most, if not all the clients of the TNT Academy do not live near this facility, so nearly 100% of the additional traffic is driven solely by this commercial operation.

SIGNATURE	ADDRESS	DATE
<i>Cristina G. Moore</i> <i>Cristine Oak</i>	20085 178 th St Tonganoxie KS	6-20-21
<i>Patricia A. Morgan</i> <i>Patricia A. Morgan</i>	20050 178 th St Tonganoxie, KS	6-20-2021
<i>Daniel J. Morgan</i> <i>Daniel Morgan</i>	20050 178 th St Tonganoxie, KS	6-20-2021
<i>Shelley M. Czajewski</i> <i>Shelley M. Czajewski</i>	20028 183 rd St Tonganoxie KS	6-20-2021
<i>Daniel R. Czajewski</i> <i>Daniel R. Czajewski</i>	20025 183 rd St Tonganoxie, KS	6-20-2021

PROTEST PETITION

Page 2 of 2

SIGNATURE	ADDRESS	DATE
James A. Enneking	2005 178th Tonganoxie KS 66086	6/20/21
Charlene Enneking	2005 178th Tonganoxie KS 66086	6/20/21
Charlene M. Enneking	Tonganoxie K.S 66086	6/20/21

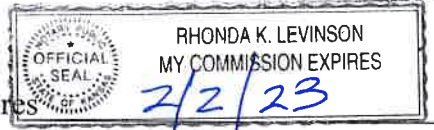
as trustee of James A. Enneking, as trustee of James A. Enneking and Charlene M. Enneking, Revocable Living Trust dated December 27, 2007

STATE OF KANSAS)
)
 COUNTY OF LEAVENWORTH)

Rhonda K. Levinson, of lawful age, being first duly sworn, upon his/her oath states that she/he was the bearer of the above and forgoing protest, and that she/he witnessed the above signatures.

Subscribed and sworn before me the 20th and 22nd days of June, 2021

[Signature]
 Notary Public



My Commission Expires

VERIFICATION

STATE OF KANSAS)
) ss:
COUNTY OF LEAVENWORTH)

The foregoing was subscribed and sworn to before me by Cristina G. Moore this
20th day of June, 2021.



Notary Public

My Commission Expires:



VERIFICATION

STATE OF KANSAS)
) ss:
COUNTY OF LEAVENWORTH)

The foregoing was subscribed and sworn to before me by Patricia A. Morgan this
20th day of June, 2021.



Notary Public

My Commission Expires:



VERIFICATION

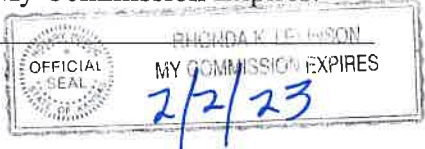
STATE OF KANSAS)
) ss:
COUNTY OF LEAVENWORTH)

The foregoing was subscribed and sworn to before me by Daniel J. Morgan this
20th day of June, 2021.



Notary Public

My Commission Expires:



VERIFICATION

STATE OF KANSAS)
) ss:
COUNTY OF LEAVENWORTH)

The foregoing was subscribed and sworn to before me by James A. Emeking this
20th day of June, 2021.



Notary Public


My Commission Expires:



VERIFICATION

STATE OF KANSAS)
) ss:
COUNTY OF LEAVENWORTH)

The foregoing was subscribed and sworn to before me by Charlene Enneking this
20th day of June, 2021.



Notary Public

My Commission Expires:



VERIFICATION

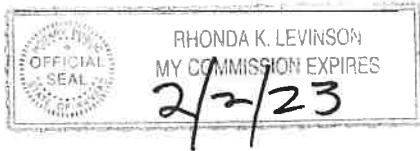
STATE OF KANSAS)
) ss:
COUNTY OF LEAVENWORTH)

The foregoing was subscribed and sworn to before me by Shelley Ciszewski this
22nd day of June, 2021.



Notary Public


My Commission Expires:



VERIFICATION

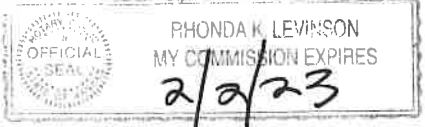
STATE OF KANSAS)
) ss:
COUNTY OF LEAVENWORTH)

The foregoing was subscribed and sworn to before me by Daniel Ciszewski this
22nd day of June, 2021.



Notary Public

My Commission Expires:

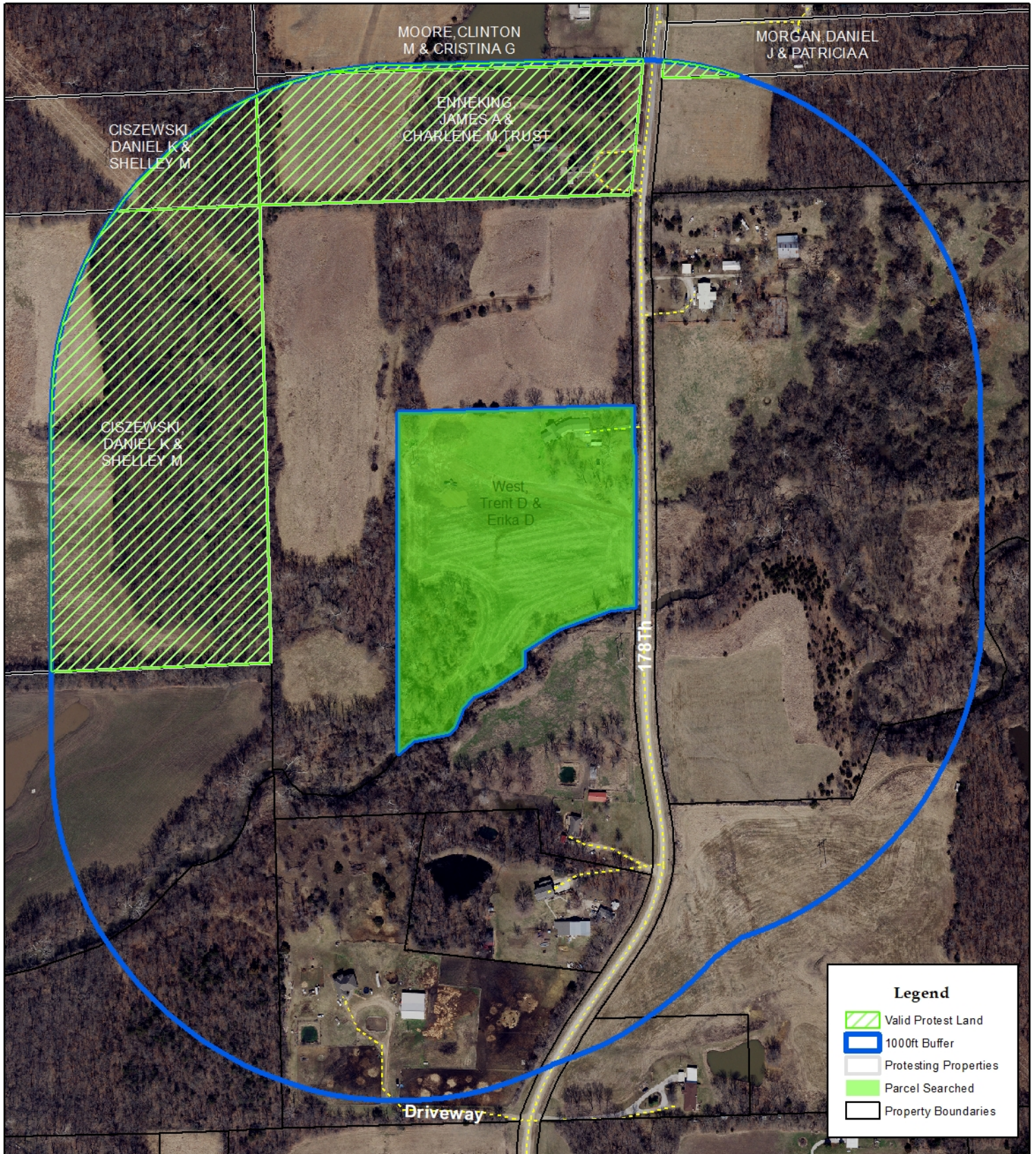

RHONDA K. LEVINSON
MY COMMISSION EXPIRES
2/2/23



Protest Petition

Property Radius Search

Total Acres within Buffer: 351.51Ac
 20% of Total Acres within Buffer: 70.30Ac
 Total Affected Acres: 84.79Ac



Legend

- Valid Protest Land
- 1000ft Buffer
- Protesting Properties
- Parcel Searched
- Property Boundaries

2020 Aerial Photo

159-32-0-00-00-018.01-0
 WEST, TRENT D & ERIKA D
 19897 178TH ST, Tonganoxie, KS 66086

1 inch = 381 feet



Sloop, Stephanie

From: Wehr, Tyler
Sent: Wednesday, June 23, 2021 1:52 PM
To: Sloop, Stephanie
Cc: Gentzler, Joshua; Voth, Krystal
Subject: RE: Protest Petition
Attachments: Map.jpg

It is valid.

Tyler Wehr
GIS Analyst
Leavenworth County
300 Walnut St Suite 030
Leavenworth, KS 66048
twehr@leavenworthcounty.gov
(913)684-0448

From: Sloop, Stephanie
Sent: Wednesday, June 23, 2021 1:20 PM
To: Wehr, Tyler <TWehr@leavenworthcounty.gov>
Cc: Gentzler, Joshua <JGentzler@leavenworthcounty.gov>; Voth, Krystal <KVoth@leavenworthcounty.gov>
Subject: Protest Petition

Tyler,

Can you tell us if this is a valid protest petition?

Stephanie Sloop

Public Relations and Planning Coordinator
Planning and Zoning
Leavenworth County Courthouse
300 Walnut St. Ste. 212
Leavenworth. KS 66048
(913) 364-5750 ph





County of Leavenworth
Planning & Zoning Department
300 Walnut, Suite 212
Leavenworth, Kansas 66048
Phone: 913-684-0465

March 12, 2021

To: Trent West
TNT Baseball
19897 178th Street
Tonganoxie, KS 66068

Re: Special Use Permit
DEV-21-021

Mr. West,

Staff has reviewed the application and narrative for TNT Baseball, which was submitted on February 23rd, 2021.

Upon review of your application, Staff has the following comments:

1. The narrative indicates you expect teams to schedule start and stop times. How many time slots are you making available each day, Monday through Friday? How many time slots are you making available on Saturday and Sundays?
2. How many people will be using the facility at a time?
3. Provide vehicle trips generated by the SUP. A trip is defined as a single- or one-directional vehicle movement with either to or from the SUP's site. A vehicle coming to the site is one trip and the same vehicle leaving the site is a second trip.
4. Trips shall include the type anticipated vehicles per day for each type of vehicle (passenger, trucks, types of trucks, large equipment, trailers, and loads). Trips shall include customers, staff, deliveries, or other vehicles needed for the special uses permit. In general, provide time frames per day when the detailed vehicle trips will occur.
5. Do you expect to increase the number of employees over the next 5 years?
6. An existing above ground electrical transmission line is near the proposed building. Electrical lines are placed in easements. Provide documentation the building is outside the easement.
7. Should the Board of County Commissioners approve your application, you will be required to provide the County with proof of insurance.

As much of your property is in a FEMA delineated Floodplain, your plan was sent to the Kansas Department of Agriculture for review by the Division of Water Resources. The following comment was sent by the Division:

1. The proposed location of the building is within a FEMA delineated Floodplain. The building must be elevated so that the finish floor is 1 foot above Base Flood Elevation. A state permit will be required to place fill in the floodplain.

To address this comment, you can provide evidence that demonstrates that the building was built outside the floodplain.

The Stranger Township Fire Department had the following comments:

Stranger Township Fire Department does not recommend the granting of this Special Use Permit due to following concerns:

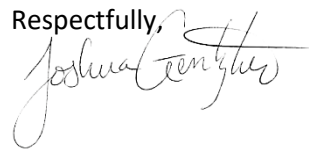
- 1) Lack of adequate exiting
- 2) Fire Department Access Restriction
- 3) Lack of Adequate parking
- 4) No Sanitary Facilities

These comments from the Fire Department will also be considered by the Planning Commission during their review of your application. You can contact the Stranger Township Fire Department with any questions you have for remediation of the concerns listed above.

Please provide the revisions and information indicated above by March 19, 2021. If the revision and information is not received by then, the case will be continued and rescheduled.

If you have any questions or need additional information, please contact me at (913) 684-0464 or at JGentzler@LeavenworthCounty.Gov.

Respectfully,



Joshua Gentzler
Planner II
Planning and Zoning
Leavenworth County

From: [Gentzler, Joshua](#)
Sent: Monday, April 19, 2021 4:51 PM
To: 'Trent West'
Cc: erika.d.west@pwc.com
Subject: RE: DEV-21-022 Comments

Good afternoon Trent,

We will need Evergy to provide us their results when their survey is complete.

Our questions about your growth is to determine when you hope to reach that maximum of 8 teams. Do you estimate or expect to be able to reach that goal in 2 years, 5 years, or 10 years? We understand that business plans change with new circumstances, but we are trying to gauge the development of your business and how that could affect the area in the future.

Thank you,

Joshua Gentzler
[Planning & Zoning](#)

From: Trent West <trentwest75@yahoo.com>
Sent: Wednesday, April 14, 2021 9:35 AM
To: Gentzler, Joshua <JGentzler@leavenworthcounty.gov>
Cc: erika.d.west@pwc.com
Subject: Re: DEV-21-022 Comments

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I will have evergy do a site survey to show that we are within tolerance of Evergy's easement. As far as "explosive growth" as you stated in the past 3 months and concern about 2 years Doreen the road. Our goal is 8 teams which is explicitly stated in scenario two. In bold letters it states, "maximum vehicle troops per day over the course of a year would be 36" under this scenario. Not sure where you're confused.

Semper Fi
Trent

Sent from my iPhone

On Apr 14, 2021, at 8:54 AM, Gentzler, Joshua wrote:

Good morning Trent and Erika,
Give me a call as quickly as you can this morning. Public Works reviewed the information you sent over and we need to talk about how we can proceed.

Thank you,
Joshua Gentzler
[Planning & Zoning](#)

From: Trent West
Sent: Tuesday, April 13, 2021 11:48 AM
To: Erika West (US - IFS)

Cc: Gentzler, Joshua

Subject: Re: DEV-21-022 Comments

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Josh, can you fwd the memos from Chuck and Mark, when time permits. Thank you

Sent from my iPhone

On Apr 13, 2021, at 11:37 AM, Erika West (US - IFS) wrote:

Hi Joshua -

Please find below the breakdown of practices by month under Scenario 2. Please let me know if you have any questions.

Thanks!

Erika West

On Tue, Apr 13, 2021 at 8:45 AM Trent West

<trentwest75@yahoo.com> wrote:

Hi Joshua, please see attached. I will try to get a breakdown of practices sent to you today per your request.

Sent from my iPhone

On Apr 8, 2021, at 12:13 PM, Trent West

<trentwest75@yahoo.com> wrote:

Sent from my iPhone

Begin forwarded message:

From: "Gentzler, Joshua"

<JGentzler@leavenworthcounty.gov>

Date: April 8, 2021 at 11:59:40 AM CDT

To: Trent West

<trentwest75@yahoo.com>

Subject: DEV-21-022 Comments

Trent,

As I mentioned yesterday, we did meet with PW and engineering on your project. We've got the following questions/comments:

- Please confirm the following: In scenario 1, February is the busiest month with 37 practices. As stated there is 11 cars per practice or 22 trips (one way directions). 25% of

the 11 cars will leave and come back to pick up there kids. This 25% of the vehicles is 3 vehicles or 6 trips. In a practice there is 28 total trips.

- Please submit a breakdown of practices per month in scenario 2, like you did for scenario 1.

In addition, we have looked through our files for the building permit for the email about the power line easement. We do not have that email. Can you provide a copy of it?

Thanks,

Joshua Gentzler

Planner II

[Planning & Zoning](#)

Leavenworth County

913.684.0464

The information transmitted, including any attachments, is intended only for the person or entity to which it is addressed and may contain confidential and/or privileged material. Any review, retransmission, dissemination or other use of, or taking of any action in reliance upon, this information by persons or entities other than the intended recipient is prohibited, and all liability arising therefrom is disclaimed. If you received this in error, please contact the sender and delete the material from any computer.

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From: [Mitch Pleak](#)
Sent: Monday, May 10, 2021 9:34 AM
To: [Gentzler, Joshua](#)
Cc: [Anderson, Lauren](#); [Noll, Bill](#); [Voth, Krystal](#); [019-2831](#)
Subject: DEV-21-022 - TNT Baseball

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All,

Olsson has reviewed the application from the aspect of impacts to 178th Street (gravel roadway) and proposed traffic. The application provided two scenarios of traffic generation. LVCO Staff confirmed the applicant requested Scenario 2 to be used for the SUP. Scenario 2 has more traffic generation than Scenario 1. Below is the break out of practices per month provided by the applicant.

Month	Scenario 2
January	80
February	64
March	48
April	32
May	40
June	32
July	20
August	28
September	32
October	40
November	32
December	24
Total practices	472

From the SUP application narrative, below is planned trips per month:

- 11 cars per practice and expect that 25% of the cars will drop off and return to pick up.
 $11+11+(0.25 \times 11)+(0.25 \times 11) = 28$ trips per practice
- $(472 \text{ practices} \times 28 \text{ trips per practice}) / 365 \text{ days} = 36.2$ trips per day over the year.

	Scenario 2 - Practices per Month	Days per Month	Trips per Practice	Trips per Day per the Month
Jan	80	31	28	72
Feb	64	28	28	64
March	48	31	28	43
April	32	30	28	30
May	40	31	28	36
June	32	30	28	30
July	20	31	28	18
August	28	31	28	25

Sept.	32	30	28	30
October	40	31	28	36
November	32	30	28	30
December	24	31	28	22
Total Practices	472			

Jan and Feb are the only months over 50 trips per day.

Per the requirements of the TIF policy:

- 50 or more passenger trips per day requires a traffic impact study and physical roadway assessment along said proposed gravel road.
- In the general requirements in the policy, the County Engineer is allowed to review the application to determine if studies and/or assessments, based on sound engineering judgement, are required.

Olsson has completed an initial review with findings below:

- Physical Roadway Assessment: Traffic generated is passenger cars only. With the majority of the months seeing less than 50 trips per day, it is Olsson's opinion, a physical roadway assessment is not warranted.
- Structural Storm Culver Assessment: All traffic generation is passenger vehicles. It is Olsson's opinion, a structural storm culver assessment is not warranted.
- Traffic Impact Study: The majority of the months seeing less than 50 trips per day, it is Olsson's opinion, a traffic impact study is not warranted. The applicant should provide adequate parking within their site.
- In the future, if the facility use changes (increased trips due to additional practices, year round use, etc) the County should retain their ability to review the application again.

Please let me know of any questions.

Sincerely,

Mitch Pleak, PE

Project Engineer / Civil

D 913.748.2503

7301 W. 133rd Street, Suite 200

Overland Park, KS 66213

O 913.381.1170



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[View Legal Disclaimer](#)

From: [Van Parys, David](#)
Sent: Tuesday, March 2, 2021 8:07 AM
To: [Gentzler, Joshua](#)
Cc: [Voth, Krystal](#)
Subject: RE: DEV-21-022 Special Use Permit - TNT Baseball Academy

Lighting and traffic would appear to be the primary concerns. Fortunately for me, they are out of my purview.

From: Gentzler, Joshua
Sent: Monday, March 1, 2021 5:35 PM
To: Mark Bilquist (stfdchief1760@gmail.com) ; Amanda Holloway (Amanda.holloway@freestate.coop) ; 'Travis@SuburbanWaterInc.com' ; Janelle Phillips (Janelle.Phillips@ks.gov) ; Anderson, Kyle ; Anderson, Lauren ; Magaha, Chuck ; Miller, Jamie ; Mitch Pleak ; Thorne, Eric ; Van Parys, David
Subject: DEV-21-022 Special Use Permit - TNT Baseball Academy

The Department of Planning and Zoning has received an application for a Special Use Permit for a Commercial Athletic Field. This is a batting cage/practice facility for baseball/softball players, located at 19897 178th Street, Tonganoxie, KS 66086.

The Planning Staff would appreciate your written input in consideration of the above request. Please review the attached information and forward any comments to us by Tuesday, March 9th.

If you have any questions or need additional information, please contact me at (913) 684-0464 or at jgentzler@leavenworthcounty.gov.

Thank you,

Joshua Gentzler
Planner II
[Planning & Zoning](#)
Leavenworth County
913.684.0464

Gentzler, Joshua

From: Amanda Tarwater <amanda.holloway@freestate.coop>
Sent: Tuesday, March 2, 2021 8:15 AM
To: Gentzler, Joshua
Subject: Re: DEV-21-022 Special Use Permit - TNT Baseball Academy

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FreeState Electric has no objection to this request.

Thank you,

Amanda Tarwater
Member Account Coordinator



1-800-794-1989 | www.freestate.coop

From: "Gentzler, Joshua" <JGentzler@leavenworthcounty.gov>
Date: Monday, March 1, 2021 at 5:35 PM
To: "Mark Bilquist (stfdchief1760@gmail.com)" <stfdchief1760@gmail.com>, Amanda Tarwater <amanda.holloway@freestate.coop>, "Travis@SuburbanWaterInc.com" <Travis@SuburbanWaterInc.com>, "Janelle Phillips (Janelle.Phillips@ks.gov)" <Janelle.Phillips@ks.gov>, "Anderson, Kyle" <KAnderson@leavenworthcounty.gov>, "Anderson, Lauren" <LAnderson@leavenworthcounty.gov>, "Magaha, Chuck" <CMagaha@leavenworthcounty.gov>, "Miller, Jamie" <JMiller@leavenworthcounty.gov>, Mitch Pleak <MPleak@olsson.com>, "Thorne, Eric" <ethorne@leavenworthcounty.gov>, "Van Parys, David" <DVanParys@leavenworthcounty.gov>
Subject: DEV-21-022 Special Use Permit - TNT Baseball Academy

Warning: This message originated outside of the FEC organization. Do not click links or open attachments unless you have validated the sender and know the content is safe. <="" span="">

The Department of Planning and Zoning has received an application for a Special Use Permit for a Commercial Athletic Field. This is a batting cage/practice facility for baseball/softball players, located at 19897 178th Street, Tonganoxie, KS 66086.

The Planning Staff would appreciate your written input in consideration of the above request. Please review the attached information and forward any comments to us by Tuesday, March 9th.

If you have any questions or need additional information, please contact me at (913) 684-0464 or at Jgentzler@LeavenworthCounty.Gov.

Thank you,

Joshua Gentzler
Planner II
[Planning & Zoning](#)
Leavenworth County
913.684.0464



Leavenworth County
Planning & Zoning Department
300 Walnut, Suite 212
Leavenworth, Kansas 66048

To: Krystal Voth
Director

From: Kyle Anderson
Environmental Tech/Code Enforcement

Date: March 3, 2021

RE: Trent West
Case DEV-21-022, Special Use Permit
19897 178th St
Tonganoxie, KS 66086
PID# 159-32-0-00-00-018.01

Our department received a Special Use Permit application for TNT Baseball Academy at the above listed location. This business was found to be operating without a SUP, however, when a letter was sent to Mr. West he immediately contacted me to determine what needed to be done to get the property into compliance. A SUP application was submitted promptly.

Thank you,

Kyle Anderson
kanderson@leavenworthcounty.gov

From: [Mark Billquist](#)
Sent: Wednesday, March 17, 2021 3:31 PM
To: [Gentzler, Joshua](#)
Subject: Re: DEV-21-022 Special Use Permit - TNT Baseball Academy

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- 1) Lack of adequate exiting - Construct a second separate walk through exit from the building.

- 2) Fire Department Access Restriction - Construct an all weather path from the parking area to the building

- 3) Lack of Adequate parking - Improve parking area to allow enough space for emergency vehicles to maneuver

- 4) No Sanitary Facilities - install a bathroom in the building or place a portable toilet next to it.

On Wed, Mar 17, 2021 at 3:24 PM Gentzler, Joshua <JGentzler@leavenworthcounty.gov> wrote:

Mr. Billquist,

Great, glad to hear it. So we have record of this, what are the ways the applicant can address your original concerns?

Joshua Gentzler

[Planning & Zoning](#)

From: Mark Billquist <stfdchief1760@gmail.com>
Sent: Tuesday, March 16, 2021 3:26 PM
To: Gentzler, Joshua <JGentzler@leavenworthcounty.gov>
Subject: Re: DEV-21-022 Special Use Permit - TNT Baseball Academy

Notice: This email originated from outside this organization. Do not click on links or open attachments unless you trust the sender and know the content is safe.

Mr. Gentzler,

Yes, I spoke with John Zimbelman who is the friend and also Fire Chief in Tonganoxie. We spoke about my suggestions and John was going to see that each was addressed by the property

owner. In regards to #4, it was suggested that a porta potty be placed near the building. It was also agreed that an all weather side walk be placed between the parking area and the building, that the parking area be improved, and that another walk through doorway be built.

I know Chief Zimbleman and feel that he will be able to communicate these needs to the owner. Call me if you have any questions or concerns. 913-369-0510

Mark Billquist

On Tue, Mar 16, 2021 at 3:11 PM Gentzler, Joshua <JGentzler@leavenworthcounty.gov> wrote:

Hi Mark,

I just got off the phone with the applicant on this case. Have you been approached by a friend of the Mr. West's to discuss how the property could address your concerns? Mr. West said that had occurred. If so could you provide the details on what was relayed to Mr. West or his friend?

In addition, how would you suggest the applicant could address your concerns for the use of the property? In regards to concern 4, the applicant does open his home to the teams when the necessity arises. Would that satisfy your concern?

If you have any questions, please feel free to reach out via email or phone (913-684-0464).

Thank you,

Joshua Gentzler

[Planning & Zoning](#)

From: Mark Billquist <stfdchief1760@gmail.com>

Sent: Tuesday, March 9, 2021 2:40 PM

To: Gentzler, Joshua <JGentzler@leavenworthcounty.gov>

Cc: Amanda Holloway (Amanda.holloway@freestate.coop)

<Amanda.holloway@freestate.coop>; Travis@SuburbanWaterInc.com; Janelle Phillips

(Janelle.Phillips@ks.gov) <Janelle.Phillips@ks.gov>; Anderson, Kyle

<KAnderson@leavenworthcounty.gov>; Anderson, Lauren

<LAnderson@leavenworthcounty.gov>; Magaha, Chuck

<CMagaha@leavenworthcounty.gov>; Miller, Jamie <JMiller@leavenworthcounty.gov>;

Mitch Pleak <MPLeak@olsson.com>; Thorne, Eric <ethorne@leavenworthcounty.gov>; Van

Parys, David <DVanParys@leavenworthcounty.gov>

Subject: Re: DEV-21-022 Special Use Permit - TNT Baseball Academy

Notice: This email originated from outside this organization. Do not click on links or open attachments unless you trust the sender and know the content is safe.

Stranger Township Fire Department does not recommend the granting of this Special Use Permit due to following concerns:

- 1) Lack of adequate exiting
- 2) Fire Department Access Restriction
- 3) Lack of Adequate parking
- 4) No Sanitary Facilities

I can provide further details if needed.

Mark Billquist

Stranger Township Fire Chief

On Mon, Mar 1, 2021 at 5:35 PM Gentzler, Joshua <JGentzler@leavenworthcounty.gov> wrote:

The Department of Planning and Zoning has received an application for a Special Use Permit for a Commercial Athletic Field. This is a batting cage/practice facility for baseball/softball players, located at 19897 178th Street, Tonganoxie, KS 66086.

The Planning Staff would appreciate your written input in consideration of the above request. Please review the attached information and forward any comments to us by Tuesday, March 9th.

If you have any questions or need additional information, please contact me at (913) 684-0464 or at Jgentzler@LeavenworthCounty.Gov.

Thank you,

Joshua Gentzler

Planner II

[Planning & Zoning](#)

Leavenworth County

913.684.0464

--

Mark Billquist

Stranger Township Fire Chief

Midwest Regional Treasurer 10-33 Foundation

[913-369-0510](tel:913-369-0510) mobile

stfdchief1760@gmail.com

"Sometimes your joy is the source of your smile, but sometimes your smile can be the source of your joy." – Thich Nhat Hanh

--

Mark Billquist

Stranger Township Fire Chief

Midwest Regional Treasurer 10-33 Foundation

[913-369-0510](tel:913-369-0510) mobile

stfdchief1760@gmail.com

"Sometimes your joy is the source of your smile, but sometimes your smile can be the source of your joy." – Thich Nhat Hanh

--

Mark Billquist
Stranger Township Fire Chief

Midwest Regional Treasurer 10-33 Foundation
[913-369-0510](tel:913-369-0510) mobile
stfdchief1760@gmail.com

"Sometimes your joy is the source of your smile, but sometimes your smile can be the source of your joy." – Thich Nhat Hanh

MEMO

To: Krystal Voth
From: Chuck Magaha
Subject: Baseball facility
Date: April 8, 2021

Krystal, thank you for the opportunity in review the recent special use permit submitted by Trent West for an additional building to add to their current Parcel. The suggestion I have would be the requirement of a contingent plan for the applicant in all hazard planning pertaining to their facility. The center would be responsible to provide safe shelter in the event of dangerous weather or other emergencies. The applicant needs to consider fire protection, IE. Escape routes posted, notification procedures and emergency contacts to be posted throughout the facilities. The applicant needs to be able to address the public during severe weather, sheltering in the event of tornados or high winds or flood. An all hazard weather radio needs to be placed in the facility and monitored for impending alerts that may affect the area. Smoke detectors placed throughout the gathering points of the center. A sign posted on the outside of the facility of emergency contacts for emergency responders to make contact if the applicant is not present during the emergency. I would caution that this parcel sits on a flood way for the creek that runs adjacent to the location of this facility. They would have to meet the flood criteria as set out through our NFIP. I have no further comments to make at this time.

From: [Phillips, Janelle \[KDA\]](#)
Sent: Friday, March 26, 2021 3:50 PM
To: [Gentzler, Joshua](#)
Subject: RE: DEV-21-022 Special Use Permit - TNT Baseball Academy

Notice: This email originated from outside this organization. Do not click on links or open attachments unless you trust the sender and know the content is safe.

Based on this information it appears that Leavenworth County issued a permit for the building that was not in the floodplain, therefore a state permit is not required.

Janelle Phillips, P.E.*, CFM
Stream Obstruction Team Lead
Water Structures Program
Division of Water Resources
Kansas Department of Agriculture
1320 Research Park Drive
Manhattan, KS 66502
Office: 785-564-6656
Cell: 785-307-8292
Janelle.phillips@ks.gov
*licensed in KS, MO, CO

From: Gentzler, Joshua [mailto:JGentzler@leavenworthcounty.gov]
Sent: Friday, March 26, 2021 2:22 PM
To: Phillips, Janelle [KDA]
Subject: RE: DEV-21-022 Special Use Permit - TNT Baseball Academy

EXTERNAL: This email originated from outside of the organization. Do not click any links or open any attachments unless you trust the sender and know the content is safe.

Janelle,

This is an existing building. It was built in 2020.

He submitted a site plan in 2020 that I've attached to this email. Its pretty hard to read, but on the plan, the building was supposed to be built in the back corner as close to the property line as he could (15 feet from the west boundary and north boundary line). He says that he stayed out of the floodplain because he knew about it and Kyle warned him that he needed to stay out of the floodplain. We don't inspect buildings and can't verify that the building was put where he said it would be, but the Applicant was aware of the presence/location of the floodplain and told us he would place it out of the floodplain.

Hope that helps,

Joshua Gentzler
[Planning & Zoning](#)

From: Phillips, Janelle [KDA] <Janelle.Phillips@ks.gov>
Sent: Thursday, March 25, 2021 3:55 PM
To: Gentzler, Joshua <JGentzler@leavenworthcounty.gov>
Subject: RE: DEV-21-022 Special Use Permit - TNT Baseball Academy

Notice: This email originated from outside this organization. Do not click on links or open attachments unless you trust the sender and know the content is safe.

Joshua –

I am very confused. Is the building existing or proposed? It appears that a building permit was already issued for the building by Kyle Anderson. Do you have a site plan to go with that permit?

Janelle Phillips, P.E. *, CFM
Stream Obstruction Team Lead
Water Structures Program
Division of Water Resources
Kansas Department of Agriculture
1320 Research Park Drive
Manhattan, KS 66502
Office: 785-564-6656
Cell: 785-307-8292
Janelle.phillips@ks.gov
*licensed in KS, MO, CO

From: Gentzler, Joshua [<mailto:JGentzler@leavenworthcounty.gov>]
Sent: Thursday, March 25, 2021 3:29 PM
To: Phillips, Janelle [KDA] <Janelle.Phillips@ks.gov>
Subject: RE: DEV-21-022 Special Use Permit - TNT Baseball Academy

EXTERNAL: This email originated from outside of the organization. Do not click any links or open any attachments unless you trust the sender and know the content is safe.

Janelle,

We've heard back from the applicant on this project and attached his response to this email. I've also attached the applicant's building permit application (RES-20-052) which he references. How would you like us to proceed?

Joshua Gentzler
[Planning & Zoning](#)

From: Phillips, Janelle [KDA] <Janelle.Phillips@ks.gov>
Sent: Tuesday, March 2, 2021 11:35 AM
To: Gentzler, Joshua <JGentzler@leavenworthcounty.gov>
Subject: RE: DEV-21-022 Special Use Permit - TNT Baseball Academy

Notice: This email originated from outside this organization. Do not click on links or open attachments unless you trust the sender and know the content is safe.

I see it. Tell him to redesign it to not be in the floodplain at all including the parking lot and drive or hire a surveyor.

From: Gentzler, Joshua [<mailto:JGentzler@leavenworthcounty.gov>]
Sent: Tuesday, March 2, 2021 11:30 AM
To: Phillips, Janelle [KDA]
Subject: RE: DEV-21-022 Special Use Permit - TNT Baseball Academy

EXTERNAL: This email originated from outside of the organization. Do not click any links or open any attachments unless you trust the sender and know the content is safe.

Janelle,

One last thing before I tell him that he needs to get a surveyor to prove the building is out of the floodplain. Did you see the applicant's markup on page six of the application? He estimates the building there and our code investigator says his drawing is slightly too large and out of scale for the actual size of the building.

Thanks for bearing with my questions.

Joshua Gentzler
[Planning & Zoning](#)

From: Phillips, Janelle [KDA] <Janelle.Phillips@ks.gov>
Sent: Tuesday, March 2, 2021 10:26 AM
To: Gentzler, Joshua <JGentzler@leavenworthcounty.gov>; Mark Bilquist (stfdchief1760@gmail.com) <stfdchief1760@gmail.com>; Amanda Holloway (Amanda.holloway@freestate.coop) <Amanda.holloway@freestate.coop>; 'Travis@SuburbanWaterInc.com' <Travis@SuburbanWaterInc.com>; Anderson, Kyle <KAnderson@leavenworthcounty.gov>; Anderson, Lauren <LAnderson@leavenworthcounty.gov>; Magaha, Chuck <CMagaha@leavenworthcounty.gov>; Miller, Jamie <JMiller@leavenworthcounty.gov>; Mitch Pleak <MPleak@olsson.com>; Thorne, Eric <ethorne@leavenworthcounty.gov>; Van Parys, David <DVanParys@leavenworthcounty.gov>
Subject: RE: DEV-21-022 Special Use Permit - TNT Baseball Academy

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The proposed location of the building is within a FEMA delineated Floodplain. The building must be elevated so that the finish floor is 1 foot above Base Flood Elevation. A state permit will be required to place fill in the floodplain.

Janelle Phillips, P.E. *, CFM
Stream Obstruction Team Lead
Water Structures Program
Division of Water Resources
Kansas Department of Agriculture
1320 Research Park Drive
Manhattan, KS 66502
Office: 785-564-6656
Cell: 785-307-8292

Janelle.phillips@ks.gov

*licensed in KS, MO, CO

From: Gentzler, Joshua [<mailto:JGentzler@leavenworthcounty.gov>]

Sent: Monday, March 1, 2021 5:35 PM

To: Mark Bilquist (stfdchief1760@gmail.com) ; Amanda Holloway (Amanda.holloway@freestate.coop) ; 'Travis@SuburbanWaterInc.com' ; Phillips, Janelle [KDA] ; Anderson, Kyle ; Anderson, Lauren ; Chuck Magaha ; Miller, Jamie ; Mitch Pleak ; Thorne, Eric ; Van Parys, David

Subject: DEV-21-022 Special Use Permit - TNT Baseball Academy

EXTERNAL: This email originated from outside of the organization. Do not click any links or open any attachments unless you trust the sender and know the content is safe.

The Department of Planning and Zoning has received an application for a Special Use Permit for a Commercial Athletic Field. This is a batting cage/practice facility for baseball/softball players, located at 19897 178th Street, Tonganoxie, KS 66086.

The Planning Staff would appreciate your written input in consideration of the above request. Please review the attached information and forward any comments to us by Tuesday, March 9th.

If you have any questions or need additional information, please contact me at (913) 684-0464 or at Jgentzler@LeavenworthCounty.Gov.

Thank you,

Joshua Gentzler
Planner II
[Planning & Zoning](#)
Leavenworth County
913.684.0464

Gentzler, Joshua

From: Trent West <trentwest75@yahoo.com>
Sent: Tuesday, April 13, 2021 8:45 AM
To: Gentzler, Joshua
Subject: Fwd: Evergy easement, 19897 178th St., Tonganoxie
Attachments: PRM_2011R08068.pdf

Notice: This email originated from outside this organization. Do not click on links or open attachments unless you trust the sender and know the content is safe.

In case the previous attachment sent doesn't open.

Sent from my iPhone

April 6, 2021

Leavenworth Planning and Zoning Department
300 Walnut Street, #30
Leavenworth, Kansas 66048

Attn: Joshua Gentzler

RE: Parcel ID number: 159-32-0--00-00-0018.01
Trent West and TNT Baseball Academy Permit

This letter is to address the permit request by Trent West to establish a baseball academy located at 19897 178th Street in Tonganoxie Kansas. The hearing date is Wednesday April 14th and we would like to address our concerns about this permit request.

We live at 20102 178th Street which is the same street the facility would be located. This is a rural home community which was chosen for it's quiet and peaceful surroundings. We have lived at this location for over 35 years and for most of those years we suffered through dust from the rock road. We personally paid to have the road in front of our home chip and sealed however after several winters the snow plows dug up our investment. Four years ago I initiated a signed petition with 12 homeowners on this road to have chip and seal placed along over half of a mile in front of our homes at a cost of \$2000.00 per household with a guarantee that the county would maintain the pavement. The snow plow damaged the pavement and we were advised that the area we paid for would be black topped. Last summer the county did black top the area we homeowners paid \$24,000.00 for as well as a portion of the street from Highway 24/40 for approximately a mile but did not include the middle section of this street which includes the property in question requesting the permit. This raises a huge dust concern as well as extreme use of the pavement that we personally paid for. Since the county neglected to pave the complete street of 178th, for


what ever reason, and has completely paved every road east, west, north and south of us, it becomes apparent that those households which submitted their \$2000.00 should be reimbursed for the commercial use of this roadway.

It has been noted the property around the standing building was deemed for an outdoor baseball field in what is considered Hog Creek flatland. We strongly oppose this for traffic reasons, noise and field lighting reasons as well. Again, this is a rural home community and not commercial properties.

We are deeply concerned the owners requesting the permit did not designate the building as a business permit originally. How many persons are to be allowed inside the building at a time and has a limit been established? Are they covered by proper insurance and paying the appropriate taxes for a income earning facility?

We ourselves are baseball loving fans and have a son who is a JV high school coach with a grandson playing on the team, a second grandson and granddaughter that plays summer ball so our opposition to this permit is not against our favorite sport. It is the fact of deception, traffic along our normally quiet road, invasive amounts of dust, wear and tear on the pavement we have personally paid for, noise and bright outdoor lighting. We strongly request that the permit to have tournament baseball at the standing facility and any future facilities at this location be denied.

Sincerely,

A handwritten signature in cursive script, appearing to read "Patricia Staples". The signature is written in black ink and is positioned above the typed name.

Thomas and Patricia Staples
20102 178th Street
Tonganoxie, KS 66086

My New Mailing Address:
20270 168th St.
Basehor, KS 66007

RoseAnna Hendricks

3/25/21

913-669-2964

To: Leavenworth County Planning & zoning Dept.

Re: Special Use Permit (DEV-21-022) request:

A tract of land located in the Southwest Quarter of Section 32, Township 10 South, Range 22 East of the 6th P.M. Leavenworth County, Kansas also known as 19897 178th St.

Requested by Trent West

Parcel ID #: 159-32-0-00-00-018.01

I have 12 acres of property off of 178th I purchased from my Dad over 50 years ago. I have left it wooded and have not built a home yet but maybe one of my Sons will some day. Over the years we have enjoyed the woods & creek for walking, mushroom hunting and the serenity of silence and hearing nature. Currently my 6 grandchildren are enjoying these simple pleasures in life. This is still the "country" to all of us. Basehor is a small community and we already have the "Field of Dreams" which I supported for many years; and it keeps growing. Why bring another one to the country here... more traffic & more people. For these reasons I DO NOT APPROVE ^{the} _{it}

From: [Laura Peek](#)
Sent: Tuesday, June 8, 2021 10:35 PM
To: [PZ](#)
Cc: [Gentzler, Joshua](#); tntbaseballacademy@gmail.com
Subject: TNT Baseball Academy (Case No DEV-21-022)

Notice: This email originated from outside this organization. Do not click on links or open attachments unless you trust the sender and know the content is safe.

Dear LV Planning and Zoning Committee:

As a mother of 3 active sports-loving boys, finding local teams with dedicated coaches and facilities has been a challenge! The TNT Baseball Academy has provided that. As we were looking for a competitive baseball team last fall, we considered clubs in Johnson County, but quickly realized the facility and quality of coaching at TNT Baseball Academy offered as much, if not more, than those facilities outside of Leavenworth County, and it was just minutes away.

The building on Trent & Erika West's property is the perfect size for a team to hold a practice when the Kansas weather is not conducive for an outdoor practice! Located near Highway 24/40, yet off a gravel road next to an ag field and surrounded by trees, the rural TNT baseball facility provides state-of-the-art baseball training opportunities for the youth of Leavenworth County and surrounding areas. My kids have received exceptional instruction through both team and private lessons offered at TNT Baseball Academy. Opportunities such as these keep our kids active, safe from alternative shenanigans they may engage in if not playing baseball, all while learning critical life skills, such as teamwork, accountability, communication and confidence.

The application for a Special Use Permit (Case No DEV-21-022) from Trent & Erika West to use the building on their property as a baseball facility, offering these opportunities to our Leavenworth County youth, should be fully supported by our county leaders. Our youth deserve local opportunities such as this!

Kind regards,

Laura Peek

22184 171st St., Basehor, KS 66007

913-728-2420 (H) | 785-418-2107 (C)

LJPeek@gmail.com

To whom it may concern:

I am writing about the "proposed" baseball training facility that was built on 178th Street.

There are too many unanswered questions. How many people can use the facility at one time? What is the time limit for those people? Will it be a constant turn over of clients meaning a constant use of our road? What are the hours of business and will they be strict on that?

I'm assuming a lot of the clientele will be teenagers which could mean speeding up and down our quiet roads, not to mention extra dust generated from the traffic.

Please reimburse my payment of my roads if this is approved.

Georgia F. Leible Harold Leible
Georgia F. Leible Harold Leible

20080 178th Street
Tonganoxie, KS
66086

June 8, 2021

Leavenworth County Planning & Zoning Commission
300 Walnut Street
Leavenworth, KS. 66048

via email at:
pz@leavenworthcounty.gov

RE: TNT Baseball Academy (Case No DEV-21-022) Special Use Permit

Dear Commissioners:

As residents of Leavenworth County and parents of four children, we strongly support the TNT Baseball Academy (Academy) and their request for a Special Use Permit. We believe the Academy provides great value to Leavenworth County and opportunity for area youth.

The West family has taken steps to provide a high-quality training facility providing area youth the opportunity to enhance athleticism. The Academy develops athletes by offering baseball teams, private lessons, and instructional camps. The facility also provides other area teams a location to hold in-door practices for use during unpredictable Kansas weather.

Small businesses are a vital part of Leavenworth county's economy. Without TNT Baseball Academy, families seeking this type of training and in-door facility will take their business out of Leavenworth county to a business in another county.

The building is positioned on the property in a manner that is aesthetically pleasing and looks similar to out-buildings placed on surrounding area properties. Additionally, there is a separate driveway and adequate parking.

Therefore, we respectfully request that you approve the Special Use Permit to allow Trent and Erika West to utilize the building on their property as an indoor baseball facility.

Sincerely,

Jason and Crystal Puderbaugh
1816 160th Terrace
Basehor, KS. 66007

Cc: jgentzler@leavenworthcounty.gov; tntbaseballacademy@gmail.com

April 7, 2021

TO WHOM IT MAY CONCERN:

We are writing to voice our concern about the baseball training facility that was built down the street from our house. We have several concerns. One of which is the deceitful way the building was constructed. If they decided to go with the “better to ask forgiveness than permission” avenue, what’s to prevent them from adding on—they have plenty of room.

Another concern is how many extra cars will be going up and down our street now—the part of street that I paid to have chip and sealed! I would like to be reimbursed for my part of that payment since a business, of which you will be gaining monetarily from by taxes received from them, will be using our road.

One last concern is that the area in front of their unit is still gravel. The constant use of that road still presents a dust issue for our houses. This will be multiplied with more traffic.

PLEASE do not give them permission to carry on with this business.

Respectfully submitted,



Daniel J. Morgan

20050 178th Street

Tonganoxie, KS 66086



Patricia A. Morgan

From: [Megan Lowe](#)
Sent: Tuesday, June 8, 2021 12:01 PM
To: [PZ](#)
Cc: [Gentzler, Joshua](#); [Trent West](#)
Subject: TNT Academy

Notice: This email originated from outside this organization. Do not click on links or open attachments unless you trust the sender and know the content is safe.

In regards to TNT Baseball Academy case No. DEV-21-022

Let us introduce our son, Anthony Bradley. A kind, smart, athletic, ten year old soon-to-be 5th grader at home or #35 when you see him take the field as part of TNT Sandlot.

We have been a part of the TNT family from day 1. It was a no brainer nearly 3 years ago to continue to allow our son to learn and grow with TNT Academy. We are not LV county residents, yet commute over one hour and 10 minutes one way, multiple times a week to be a part of TNT.

We ask that you approve the Special Use Permit not only for TNT Academy, but for all the young athletes who benefit from having this facility to continue chasing their baseball dreams, like our son Anthony.

Travis, Megan, & Anthony Bradley

SPECIAL USE PERMIT APPLICATION

Leavenworth County Planning Department
300 Walnut, St., Suite 212
County Courthouse
Leavenworth, Kansas 66048
913-684-0465

PID: 159-32-0-00-00-018.01 Office Use Only
Date Received: Feb 23, 2021
Township Stranger
Planning Commission Date: April 14, 2021
Case No. DEV-21-021 Date Paid Feb 23, 2021
Zoning District RR-2.5
Comprehensive Plan land use designation

APPLICANT/AGENT INFORMATION OWNER INFORMATION (If different)
NAME TRENT WEST
ADDRESS 19897 178th ST
CITY/ST/ZIP TONGANOXIE, KS 66086
PHONE 913 940 1191
EMAIL trentwest75@yahoo.com
CONTACT PERSON TRENT WEST

PROPOSED USE INFORMATION
Existing and Proposed structures 80x60 AUXILIARY BUILDING
Reason for requesting a Special Use Permit BASEBALL INDOOR FACILITY

PROPERTY INFORMATION
Address of property 19897 178th ST Parcel size
Current use of the property RESIDENCE / TNT BASEBALL ACADEMY
Does the owner live on the property? YES
Does the applicant own property in states or counties other than Kansas and Leavenworth County? No

I, the undersigned am the (circle one) owner, duly authorized agent, of the aforementioned property situated in the unincorporated portion of Leavenworth County, Kansas. By execution of my signature, I do hereby officially apply for a Special Use Permit as indicated above. I hereby agree to "cease and desist" the operation of the activity upon denial of the permit by the Board of County Commissioners.

Signature [Handwritten Signature] Date 2/8/21
ATTACHMENT A

TNT BASEBALL ACADEMY – APPLICATION FOR SPECIAL USE PERMIT

PROJECT NARRATIVE

This is a request for Special Use Permit for TNT Baseball Academy to provide indoor baseball practice space and lessons to TNT baseball teams/players as well as other local teams. The facility was initially built for this purpose to create a place for our own teams to practice during the winter months. The method of operation will be to allow teams access to facility for 1 – 3 hours at a time. Teams will schedule stop times and start times at least 15 minutes apart to minimize traffic congestion.

The permit is requested for 10 year with varying utilization throughout year, but volume will be heaviest during winter months.

KEY INFORMATION

Hours of Operation: The hours of operation are 9 AM to 8 PM.

Employees: Staffing consists of myself, Trent West and my wife, Erika West.

Signs: There are no signs for the business. We do not expect to drive business through traffic so do not plan on using signs.

Chemicals Used: None

Lubricants/Oils/Fluids: None

Sewage Disposal: None

Water Supply: There is no water to the facility currently. We may consider adding a restroom at some point.

Noise/Sounds Caused: Limited. Noise will generally be contained to within the facility.

Odors/Fumes: None

Accessory building to be used: We will use the building on our property for the business. The building is a 60 ft x 80 ft wooden pole barn with 14 ft walls. The building has concrete flooring under artificial turf, inside perimeter netting, and two large batting cages.

The reason that makes the pole barn in question appropriate for proposed use is that it is large and contains all necessary baseball equipment to hold practices and lessons for local teams.

The building is believed to be compatible with other parcels near the site as the parking and building are completely on our property.

Outdoor displays/advertising: None

Equipment: All equipment is baseball related will be contained to the building

Alcohol Service: None

Dust Control: N/A

Emergency/Safety: There are 3 exits from the building – 2 large overhead garage doors and an entrance door. Fire extinguishers are present within the building. If needed, shelter can be taken in the basement of our home during severe weather.

Outdoor Storage: None at this time

Security Lighting: We have a security light on the cul de sac used for drop off and pick up

Will this be in the existing home? No, we have a separate building on the property that will be used.

Traffic: Traffic to and from the facility will come from the north and south of the property via 178th Street. Vehicular access to and from the building will be provided by existing access driveway that leads to the building on the West side of 178th Street. Cul-de-sac drop off and off-street parking will be provided on property and will accommodate up to 12 vehicles.



Laura Kelly, Governor
Mark A. Burghart, Secretary

www.ksrevenue.org

CERTIFICATE OF TAX CLEARANCE

Erika D West

ISSUE DATE

02/24/2021

TRANSACTION ID

T3DP-GYY7-8D36

CONFIRMATION NUMBER

C2AC-FM4H-T27M

TAX CLEARANCE VALID THROUGH 05/25/2021

*Verification of this certificate can be obtained on our website, www.ksrevenue.org,
or by calling the Kansas Department of Revenue at 785-296-3199*



Laura Kelly, Governor
Mark A. Burghart, Secretary
www.ksrevenue.org

CERTIFICATE OF TAX CLEARANCE

Trent D West

ISSUE DATE

02/24/2021

TRANSACTION ID

T4T4-G878-5NYD

CONFIRMATION NUMBER

CYYA-EAHX-REP3

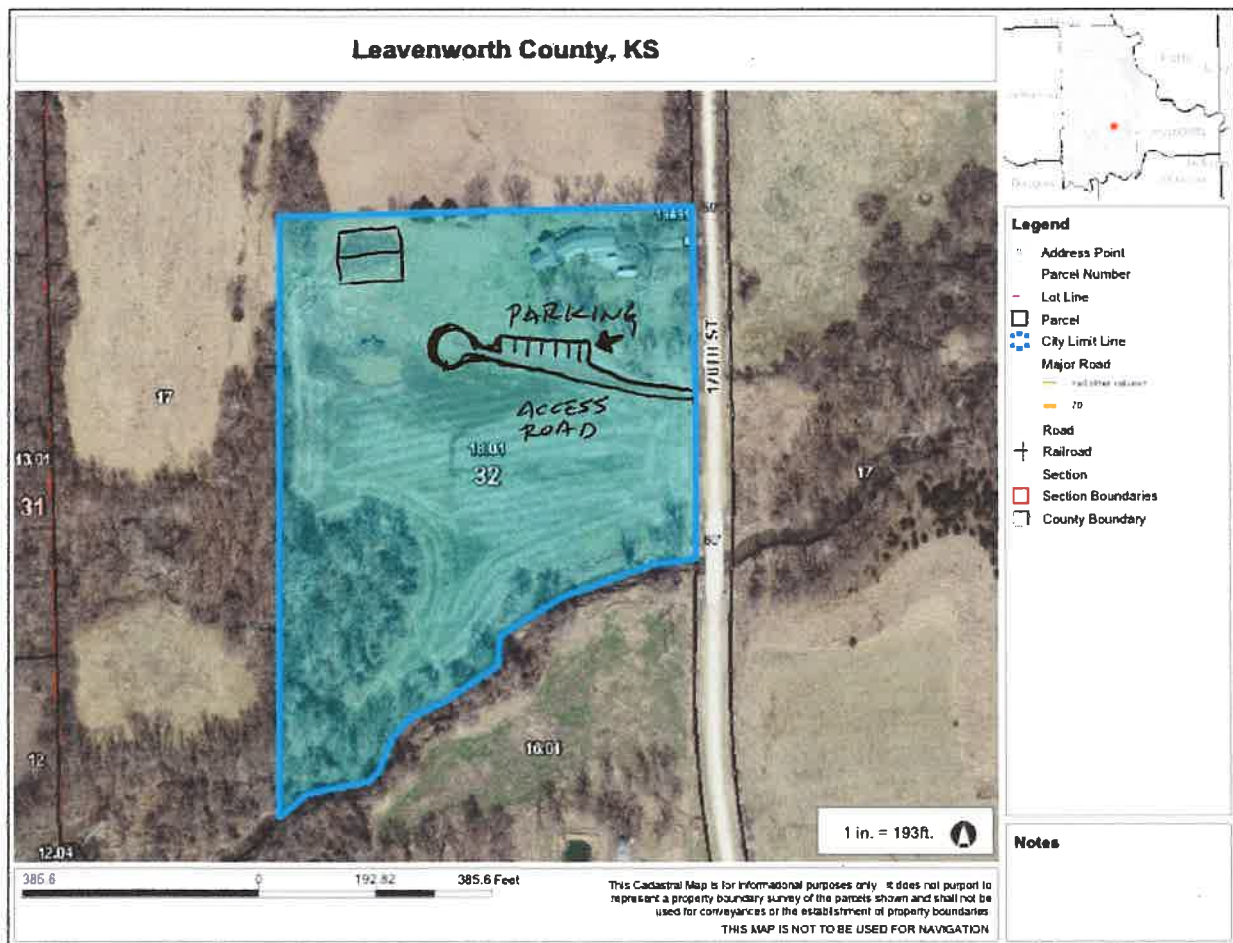
TAX CLEARANCE VALID THROUGH 05/25/2021

*Verification of this certificate can be obtained on our website, www.ksrevenue.org,
or by calling the Kansas Department of Revenue at 785-296-3199*

From: **Anderson, Kyle** KAnderson@leavenworthcounty.gov
Subject: **Site Map**
Date: **Feb 9, 2021 at 11:16:23 AM**
To: **Trent West** trentwest75@yahoo.com

I have attached an aerial image of your property for the site map. If you have any questions or need any additional information feel free to call or email us anytime.

Kyle Anderson
Environmental Technician/Code Enforcement
Leavenworth County Planning & Zoning
300 Walnut St. Ste. 212
Leavenworth, KS 66048
913-684-1084



Doc #: 2019R09935
STACY R. DRISCOLL
REGISTER OF DEEDS
LEAVENWORTH COUNTY, KANSAS
RECORDED ON:
12/02/2019 04:17:07 PM
RECORDING FEE: 55.00
PAGES: 3

Entered in the transfer record in my office this

2 day of Dec, 20 19
Janel Klawinski
County Clerk
B. Jones

Security 1st Title
15510 State Ave. Suite 10A
Basehor, KS 66007
2333969

TRUSTEE DEED

Grantor, Barbara E Sass, Trustee of The Donald L. Sass and Barbara E Sass Revocable Real Estate Trust Agreement dated December 2, 2002, acting pursuant to the powers vested under said Trust, for the sum of Ten and 00/100 Dollars (\$10.00) and other valuable consideration, receipt of which is hereby acknowledged, does by these presents grant, bargain, sell and convey to Erika D. West and Trent D. West, as joint tenants with the right of survivorship and not as tenants in common, all right, title and interest in the following described real estate:

Tract No.1

A tract of land in the Southwest Quarter of Section 32, Township 10 South, Range 22 East of the 6th Principal Meridian in Leavenworth County, Kansas, said tract being more particularly described as follows:

(Note: The bearing system in the following description is based on Grid North. Kansas State Plane Coordinate System NAD 83.)

Commencing at the Northeast corner of the Southwest Quarter of said Section 32; Thence South 88°36'20" West 1528.45 feet, along the North line of the Southwest Quarter of said Section 32, to a point in the center line of 178th Street, as now established; Thence South 00°22'18" East 601.33 feet, along said center line, to a # 80d nail found, said point also being the "true point of beginning"; Thence South 88°13'14" West 710.60 feet to a 1/2" rebar found; Thence South 00°15'52" West 993.03 feet, to a point in the center line of Hoag creek, as now established; Thence North 53°42'08" East 46.26 feet along the meander of the center line of said Hoag Creek; Thence North 45°17'09" East 58.96 feet along said meander; Thence North 82°54'42" East 74.59 feet along said meander; Thence North 36°32'48" East 119.94 feet along said meander; Thence North 57°10'26" East 139.02 feet along said meander; Thence North 50°03'08" East 78.81 feet along said meander; Thence North 32°23'28" East 67.34 feet along said meander; Thence North 64°55'30" East 46.23

 Security 1st Title

File No. 2333969
Page 1 of 3

feet along said meander; Thence North 68°47'02" East 71.77 feet along said meander; Thence North 74°35'34" East 106.56 feet along said meander; Thence North 86°56'36" East 57.20 feet along said meander; Thence North 67°09'14" East 13.63 feet, along said meander, to a chisled cross cut found on the center line of said 178th Street; Thence North 00°25'42" West 207.64 feet, along said center line, to a 1/2" rebar with LS cap #782 set; Thence South 57°33'58" West 471.70 feet to a 1/2" rebar with LS cap #782 set; Thence North 00°25'42" West 250.00 feet to a 1/2" rebar with LS cap #782 set; Thence North 89°34'18" East 150.00 feet to a 1/2" rebar with LS cap #782 set; Thence North 00°25'42" West 250.00 feet to a 1/2" rebar with LS cap #782 set; Thence North 89°34'18" East 250.00 feet to a 1/2" rebar with LS cap #782 set on the center line of said 178th Street; Thence North 00°25'42" West 117.98 feet, along said center line, to the "true point of beginning" of the tract herein described.

Subject to all easements and restrictions of record.

Tract No. 2

A tract of land in the Southwest Quarter of Section 32, Township 10 South, Range 22 East of the 6th Principal Meridian in Leavenworth County, Kansas, said tract being more particularly described as follows:

(Note: The bearing system in the following description is based on Grid North, Kansas State Plane Coordinate System NAD 83.)

Commencing at the Northeast corner of the Southwest Quarter of said Section 32; Thence South 88°36'20" West 1528.45 feet, along the North line of the Southwest Quarter of said Section 32, to a point in the center line of 178th Street, as now established; Thence South 00°22'18" East 601.33 feet, along said center line, to a #80d nail found; Thence South 00°25'42" East 117.98 feet, along said center line, to a 1/2" rebar with LS cap #782 set, said point also being the "true point of beginning"; Thence South 00°25'42" East 250.00 feet, along said center line, to a 1/2" rebar with LS cap #782 set; Thence South 57°33'58" West 471.70 feet to a 1/2" rebar with LS cap #782 set; Thence North 00°25'42" West 250.00 feet to a 1/2" rebar with LS cap #782 set; Thence North 89°34'18" East 150.00 feet to a 1/2" rebar with LS cap #782 set; Thence North 00°25'42" West 250.00 feet to a 1/2" rebar with LS cap #782 set; Thence North 89°34'18" East 250.00 feet to the "true point of beginning" of the tract herein described.

Subject to all easements and restrictions of record.

TO HAVE AND TO HOLD the above described premises, together with the appurtenances and hereditaments thereunto appertaining, and every part thereof to the said Grantee(s) as above stated, subject to: easements, restrictions, reservations and covenants, if any, now of record. Grantor further warrants that said Trust is in full force and effect, has not been

amended or revoked, and this conveyance is within her authority as trustee, with this deed
EXECUTED on December 2, 2019

The Donald L. Sass and Barbara E Sass
Revocable Real Estate Trust Agreement dated
December 2, 2002

By: Barbara E. Sass, Trustee
Barbara E Sass, Trustee

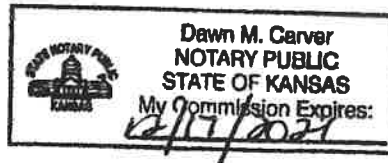
State of Kansas, Leavenworth County} ss.

This instrument was acknowledged before me on December 2, 2019 by
Barbara E Sass, Trustee of The Donald L. Sass and Barbara E Sass Revocable Real Estate
Trust Agreement dated December 2, 2002, for and on behalf of said Trust.



Notary Public

My appointment expires:



RESPONSES FROM TNT BASEBALL ACADEMY, LLC

Staff Comments

1. Generally speaking, we expect facility usage to be seasonal with the peak of activity expected in the winter months (January through March). While we have the ability to accommodate up to 6 time slots on Saturday and Sunday and 2 slots on weekdays, we have not, and do not expect to, run at maximum capacity even in the peak season. Please refer to question 3 for more information on expected facility usage.
2. The facility is intended to be used by one team at a time with an average of 11 kids and 2-3 coach/parents in the facility at a time.
3. We have provided two scenarios below to estimate the expected range of vehicle trips.

Scenario 1 – Expectation based off of current activity

Below is what we expect usage to be by month based on actual activity to date and projected usage for the remainder of the 2021:

- January – 33 practices
- February – 37 practices
- March – 33 practices
- April – 15 practices
- May – 13 practices
- June – 14 practices
- July – 4 practices
- August – 8 practices
- September – 13 practices
- October - 15 practices
- November – 12 practices
- December – 9 practices

We expect an average of 11 cars per practice and expect that 25% of the cars will drop off and return to pick up (i.e. 4 trips vs 2 trips for those that stay). Based on this activity, we estimate that over the course of a year, there will be **16 vehicle trips per day**.

Total # of practices	206
Avg # of cars per practice	<u>11</u>
Total # of cars	2,266
# of cars per day	6
Total # of trips (assuming 25% leave and return)	5,665
# of trips per day (assuming 25% leave and return)	16

Scenario 2 – Expectation based on long-term growth

Our long-term goal is to bring local teams at varying age levels under the TNT brand. We currently have 3 teams under the TNT brand and other non-TNT teams that rent the facility for practice. Our goal is to have up to 8 teams under the TNT brand which would substantially reduce or eliminate the ad hoc rental of the facility. If and when we are able to achieve this goal, we would estimate that the **maximum vehicle trips per day over the course of a year would be 36.**

Total # of practices	472
Avg # of cars per practice	<u>11</u>
Total # of cars	5,192
# of cars per day	14
Total # of trips (assuming 25% leave and return)	12,980
# of trips per day (assuming 25% leave and return)	36

4. All trips are expected to be passenger vehicles. We do not expect any large trucks, equipment, trailers, loads or deliveries. Vehicle trips are expected to occur between the hours of 9 am to 8 pm on Saturdays and Sundays and 5 pm – 8 pm on weekdays. We do not have staff beyond the owners who reside on the property.
5. We do not expect to expand the number of employees beyond the owners who reside on the property.
6. This was addressed as part of the building permit process. Please refer to Leavenworth County Residential Permit attached.
7. Proof of insurance will be provided as and when requested by the County.

FEMA Comments

1. The building was erected outside of the floodplain which was also addressed for building permit approval. Please refer to Leavenworth County Residential Permit attached.

Stranger Township Fire Department Comments

1. We will add an additional exit on the North side of the building to address this concern.
2. We will add a pathway for emergency vehicles to access the building from the end of the existing cul de sac.
3. Per further discussion with the Tonganoxie fire chief, we believe there is adequate parking for the expected traffic volume.
4. Sanitary facilities are located in the residence. We are always home when the building is used and have allowed for this access without issue. The residence has 3 bathrooms that can be used.

From: [Erika West \(US - IFS\)](#)
Sent: Tuesday, April 13, 2021 11:37 AM
To: [Gentzler, Joshua](#)
Cc: [Trent West](#)
Subject: Re: DEV-21-022 Comments

Notice: This email originated from outside this organization. Do not click on links or open attachments unless you trust the sender and know the content is safe.

Hi Joshua -

Please find below the breakdown of practices by month under Scenario 2. Please let me know if you have any questions.

Month	Scenario 2
January	80
February	64
March	48
April	32
May	40
June	32
July	20
August	28
September	32
October	40
November	32
December	24
Total practices	472

Thanks!

Erika West

On Tue, Apr 13, 2021 at 8:45 AM Trent West <trentwest75@yahoo.com> wrote:

Hi Joshua, please see attached. I will try to get a breakdown of practices sent to you today per your request.

Sent from my iPhone

On Apr 8, 2021, at 12:13 PM, Trent West <trentwest75@yahoo.com> wrote:

Sent from my iPhone

Begin forwarded message:

From: "Gentzler, Joshua" <JGentzler@leavenworthcounty.gov>
Date: April 8, 2021 at 11:59:40 AM CDT
To: Trent West <trentwest75@yahoo.com>
Subject: DEV-21-022 Comments

Trent,

As I mentioned yesterday, we did meet with PW and engineering on your project. We've got the following questions/comments:

- Please confirm the following: In scenario 1, February is the busiest month with 37 practices. As stated there is 11 cars per practice or 22 trips (one way directions). 25% of the 11 cars will leave and come back to pick up there kids. This 25% of the vehicles is 3 vehicles or 6 trips. In a practice there is 28 total trips.
- Please submit a breakdown of practices per month in scenario 2, like you did for scenario 1.

In addition, we have looked through our files for the building permit for the email about the power line easement. We do not have that email. Can you provide a copy of it?

Thanks,

Joshua Gentzler

Planner II

[Planning & Zoning](#)

Leavenworth County

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From: [Trent West](#)
Sent: Friday, March 19, 2021 5:24 PM
To: [Gentzler, Joshua](#)
Subject: Response to LVCO SUP Comments & Building Permit
Attachments: LVCO SUP Comments - TNT Baseball Academy.pdf; LVCO Building Permit.pdf

Notice: This email originated from outside this organization. Do not click on links or open attachments unless you trust the sender and know the content is safe.

> Hi Joshua, please see attached. Best, Trent
>

RESOLUTION 2021-22

A resolution of the Leavenworth County Kansas Board of County Commission, issuing a Special Use Permit for an Athletic Training Facility – TNT Baseball on the following described property:

A tract of land in the Northwest Quarter of Section 32, Township 10 South, Range 22 East of the 6th P.M, in Leavenworth County, Kansas. Also known as 19897 178th Street, Tonganoxie.

WHEREAS, it is hereby found and determined that a request for a Special Use Permit as described above was filed with the Secretary of the Leavenworth County Planning Commission, on the 25th day of February, 2021, and

WHEREAS, it is hereby found that the Leavenworth County Planning Commission, after notice as required by law, did conduct a public hearing upon the granting of such request for a Special Use Permit on the 9th day of June, 2021; and

WHEREAS, it is hereby found that the Leavenworth County Planning Commission, based upon specific findings of fact incorporated by reference herein, did recommend that the Special Use Permit be approved, subject to special conditions as set forth; and

WHEREAS, the Board of County Commission considered, in session on the 30th day of June, 2021, the recommendation of the Leavenworth County Planning Commission.

NOW, THEREFORE, BE IT RESOLVED by the Board of County Commission of Leavenworth County, Kansas, that:

1. Based upon the recommendation and findings of fact of the Leavenworth County Planning Commission; and,
2. Based upon the findings of fact adopted by the Board of County Commission in regular session on the 30th day of June, 2021, and incorporated herein by reference;

That Case No. DEV-21-022, Special Use Permit for an Athletic Training Facility – TNT Baseball approved subject to the following conditions:

1. The SUP shall be limited to a period of five (5) years.
2. The business shall be limited to the hours of 4 PM to 8 PM, Monday through Friday, and 9 AM to 6 PM on Saturday and Sunday.
3. The SUP shall be limited to no employees other than family.
4. An engineered septic system and water supply shall be required for the business.
5. Any modifications to the building and/or parking area shall meet or exceed the Floodplain Regulations. All appropriate permits shall be obtained prior to modifications of the building and parking area.
6. The applicant shall adhere to the following memorandums:
 - a. Chuck Magaha – Emergency Management, March 18, 2021
 - b. Mark Billquist – Stranger Township Fire District, March 17, 2021
7. No signage is allowed in the right-of-way. No signage is requested with the SUP. All signage

shall comply with Article 25, Sign Regulations of the Leavenworth County Zoning and Subdivision Regulations.

8. No on-street parking shall be allowed.
9. This SUP shall be limited to the Narrative dated February 25, 2021 submitted with this application.
10. This SUP shall comply with all local, state, and federal rules and regulations that may be applicable. After approval of this SUP by the Board of County Commission all conditions listed shall be adhered to and copies shall be provided to the Planning and Zoning Department within 30 days.

Located in Section 32, Township 10 South, Range 22 East, also known as 19897 178th Street, parcel no. 159-32-0-00-00-018.01 in Leavenworth County, Kansas.

Adopted this 1st day of May, 2021
Board of County Commission
Leavenworth, County, Kansas

Michael Smith, Chairman

ATTEST

Jeff Culbertson, Member

Janet Klasinski

Vicky Kaaz, Member

Doug Smith, Member

Mike Stieben, Member

DEV-21-022 TNT Baseball SUP



Legend

- Address Point
- Parcel Number
- Lot Line
- Parcel
- City Limit Line
- Major Road
- <all other values>
- 70
- Road
- + Railroad
- Section
- Section Boundaries
- County Boundary

Notes

385.6 0 192.82 385.6 Feet

This Cadastral Map is for informational purposes only. It does not purport to represent a property boundary survey of the parcels shown and shall not be used for conveyances or the establishment of property boundaries.

THIS MAP IS NOT TO BE USED FOR NAVIGATION

Resolution 2021-22
Case No. DEV-21-022
TNT Baseball

Special Use Permit – Athletic Training Facility
Public Hearing Required

Staff Report – Board of County Commissioners

June 30, 2021

GENERAL INFORMATION:

**Applicant/
Property Owner:** Trent West
19897 178th Street
Tonganoxie, KS 66086

Legal Description: A tract of land in the Northwest Quarter of Section 32, Township 10 South, Range 22 East of the 6th P.M, in Leavenworth County, Kansas.

Location: 19897 178th Street, Tonganoxie, KS 66086

Parcel Size: ± 12 acres

Zoning/Land Use: RR-2.5, Rural Residential 2.5-acre minimum size parcels

Comprehensive Plan: This parcel is within the Residential (3 Units / Acre) land use category.

Parcel ID No.: 159-32-0-00-00-018.01

Planner: Joshua Gentzler

REPORT:

PLANNING COMMISSION RECOMMENDATION:

The Planning Commission voted 5-3 to recommend approval of Case No. DEV-21-022 (Resolution 2021-22), Special Use Permit for TNT Baseball with the following conditions:

1. The SUP shall be limited to a period of five (5) years.
2. The business shall be limited to the hours of 4 PM to 8 PM, Monday through Friday, and 9 AM to 6 PM on Saturday and Sunday.
3. The SUP shall be limited to no employees other than family.
4. An engineered septic system and water supply shall be required for the business.
5. Any modifications to the building and/or parking area shall meet or exceed the Floodplain Regulations. All appropriate permits shall be obtained prior to modifications of the building and parking area.
6. The applicant shall adhere to the following memorandums:
 - a. Chuck Magaha – Emergency Management, March 18, 2021
 - b. Mark Billquist – Stranger Township Fire District, March 17, 2021
7. No signage is allowed in the right-of-way. No signage is requested with the SUP. All signage shall comply with Article 25, Sign Regulations of the Leavenworth County Zoning and Subdivision Regulations.
8. No on-street parking shall be allowed.
9. This SUP shall be limited to the Narrative dated February 25, 2021 submitted with this application.

10. This SUP shall comply with all local, state, and federal rules and regulations that may be applicable. After approval of this SUP by the Board of County Commission all conditions listed shall be adhered to and copies shall be provided to the Planning and Zoning Department within 30 days.

Request

The applicant is requesting a Special Use Permit for an Athletic Training Facility for a baseball training facility.

Adjacent Land Use

The surrounding properties are residences and farms on varying sized parcels ranging from 5 acres to over 80 acres in size.

Flood Plain

There are is a Special Flood Hazard Areas on this parcel per FEMA Firm Map 20103C0238G July 16, 2015.

Utilities/Services

Sewer: Private septic system

Fire: Stranger Township

Water: Suburban

Electric: FreeState

Access/Streets

The property is accessed by 178th Street, a County with a gravel surface ± 22' wide.

Agency Comments

See attached comments – Memo – Kyle Anderson – Planning and Zoning, March 3, 2021

See attached comments – Email – Mitch Pleak – Public Works, May 10, 2021

See attached comments – Memo – Chuck Magaha – Emergency Management, March 18, 2021

See attached comments – Email – Janelle Phillips – Kansas Dept. of Water Resources, March 26, 2021

See attached comments – Email – David Van Parys – County Counselor, March 2, 2021

See attached comments – Email – Mark Bilquist – Stranger Township Fire Department, March 17, 2021

See attached comments – Email – Amanda Tarwater – FreeState, March 2, 2021

Factors to be considered

The following factors are to be considered by the Planning Commission and the Board of County Commission when approving or disapproving this Special Use Permit request:

1. Character of the neighborhood: The character of the neighborhood is rural; primarily rural residences, and agricultural uses.
2. Zoning and uses of nearby property: The surrounding properties are zoned RR-2.5, Rural Residential 2.5-acre minimum size parcels. The uses are rural residences and agricultural.
3. Suitability of the property for the uses to which it has been restricted: The property is within an area suited for rural residences and agricultural use. The use is allowed with approval of a Special Use Permit.
4. Extent to which removal of the restrictions will detrimentally affect nearby property: Nearby property could be affected by the dust created by induced demand on the roadway. The applicant states that the property could see over 30 vehicle trips per practice.
5. Length of time the property has been vacant as zoned: The property is not vacant.
6. Relative gain to economic development, public health, safety and welfare: The proposed use will provide income for the applicant and a service to the community.
7. Conformance to the Comprehensive Plan: The Future Land Use Map indicates this area should be developed as a Residential area with a density of 3 Units per Acre.
8. Staff recommendation is for the denial of the Special Use Permit.

LOCATION	
Adjacent Residences	Adjacent residences are rural-suburban uses. The property adjacent to the north and west is used as an agricultural property. Property to the east is a 73-acre property used as a residential property. The property to the south is an 8-acre property used as a residential property.
Adjacent Zoning/Uses	Zoning in the area is RR-2.5 and are used primarily as rural residences and agricultural uses.
Density	The area is not densely populated.
Nearby City Limits	The city of Basehor is approximately 1.1 miles to the southeast of the property.
Initial Growth Management Area	The property is not located within an Urban Growth Management Area.

IMPACT	
Noise Pollution	This use will not cause prolonged noise pollution. The primary times of elevated noise levels will be on weekday evenings, between 5:00 PM and 8:00 PM, and on weekends between 9 AM and 8 PM, when teams and players arrive at the site to begin practice inside the facility.
Traffic	The use will create additional traffic in the evenings on weekdays and throughout the day on the weekends. Up to 22 vehicles may arrive each evening, during the week, and up to 66 vehicles on Saturday and Sunday. These vehicles will return at the end of practice to pick up players at the facility. The operation does not employ any additional employees.
Lighting	The applicant does not have lighting other than security lighting and is not requesting lighting.
Outdoor Storage	The applicant does not store anything outside.
Parking	The applicant has made 12 parking spaces available for the customers and is in process of adding additional spaces. The vehicles will arrive in stages at the beginning and end of practices. The parking area will not need to serve all 66 vehicles mentioned above at one time.
Visitors/Employees	Typically, the business schedules at least one practice per day during the winter months. This would bring an estimated 9-12 players and coaches per practice, not including parents, Over the course of a week, this would equate to an estimated 63 to 84 customer visits.
Waste	The business generates normal household/commercial waste.

SITE COMPATABILITY	
Size of Parcel	The parcel is twelve (12) acres in size.
Zoning of Parcel	The parcel is zoned Rural Residential-2.5
Buildings (Existing & Proposed)	The applicant has a building on the property that is approximately 80x60. The baseball practices occur within this building.
Setbacks	Existing building meet the required setbacks.
Screening	The property is not fully screened. The property does have an existing tree line on the northeast corner of the property providing screening of the house and accessory building.

History

This is the applicant's first request for a Special Use Permit. The need for a Special Use Permit was discovered after operations began. The applicant applied for a permit when he was notified of the necessity of the permit by County Staff.

Staff Comments

The applicant is currently operating an indoor baseball training facility out of an 80' x 60' accessory structure located behind his home. The building was permitted and built in 2020. During the permitting process Staff was not made aware of the purpose of the building at that time. The applicant has created a secondary access and parking area for access to the building from 178th Street. This access is located approximately 290 feet south of the existing driveway (as seen below).



Figure 1 May 2020 Google Earth Aerial

The parking area is located along the north side of the driveway seen in the aerial above and currently has space for 12 vehicles. The applicant has plans to expand the parking space in the future. Parking on-site appears adequate for the needs of the business.

The property is located approximately 840 feet south of the paved section of 178th street and the road narrows to the north of the property before expanding at the bridge at the southeast corner of the property.

The Stranger Fire Department has been in contact with the applicant to work to bring the parking/access to the facility to meet the Fire Department's requirements. The applicant has agreed to add an additional exit/access door to the facility, extending the drive to the building to allow for emergency vehicles to maneuver, and adding an all-weather path from the parking area to the building.

The applicant utilizes this building as a training facility for local youth baseball teams. The stated goal for the facility is to be the off-season training facility for eight (8) youth baseball teams. The applicant states that the facility had over 30 practices each month from January to March, which is their forecasted busiest time of the season. Each practice includes nine to 11 vehicles travelling to the site for drop-off and pick-up and therefore induces an estimated 31-39 one-way trips per practice. During the busy season for the applicant, assuming seven to eight practices a week based on the applicant's usage from January through March 2021, this would equate to 217 – 312 vehicle trips per week.

Staff has the following concerns regarding the approval of this Special Use Permit:

1. The potential for growth of the business would place a significant commercial endeavor in the midst of an area that is primarily agricultural. The placement of a commercial enterprise in this area could cause negative interactions with the surrounding neighbors and conflict with development in the future.
2. The amount of traffic induced by this business could interfere with neighboring properties.
3. There could be challenges with traffic along 178th Street for both customers and neighbors during practice change-over times due to the limited space at this location.
4. Usage of the property for this purpose does not fit the character of the neighborhood.

STAFF RECOMMENDATION:

The staff recommends denial of Case No. DEV-21-022 (Resolution 2021-22), Special Use Permit for TNT Baseball.

ACTION OPTIONS:

1. Approve Case No. DEV-21-022 (Resolution 2021-22), Special Use Permit for TNT Baseball, with Findings of Fact, and with or without conditions; or
2. Deny Case No. DEV-21-022 (Resolution 2021-22), Special Use Permit for TNT Baseball, with Findings of Fact; or
3. Revise or Modify the Planning Commission Recommendation to Case No. DEV-21-022 (Resolution 2021-22), Special Use Permit for TNT Baseball, with Findings of Fact; or
4. Remand the case back to the Planning Commission.

ATTACHMENTS:

Narrative
Location/Aerial Maps
Memorandums

FILED

JUN 23 2021

**LEAVENWORTH COUNTY KANSAS
COUNTY CLERK**

PROTEST PETITION

Page 1 of 2

We, the undersigned, in accordance with KSA 12-757, being owners of record of the property enumerated below, protest the proposed Indoor Baseball Facility on the property described as a tract of land located in the Southwest Quarter of Section 32, Township 10 South, Range 22 East In Leavenworth County, Kansas, commonly known as 19897 178th Street

For the following reasons:

The structure was permitted by the County for the use "Accessory – Storage". In well under a year, this facility was being advertised a premium feature of the TNT Baseball Academy on Facebook and its own web site (<https://www.tntbaseballacademy.net/>). The TNT Academy advertises that "the facility is also available year-round for non-TNT team or individual practice sessions on a first come, first served basis." Prices per hour are listed. The TNT web site shows this facility is available for booking seven days a week, 9AM-8PM, throughout the entire year, and its use is expected to grow. The owner/operator of this commercial facility stated in the June 9th Planning Commission meeting that his goal is to increase the number of TNT teams using this commercial facility by nearly 300%. Team play is not free. The cost per player is \$950. Such a commercial operation is inconsistent with the rural zoning in which it was placed, as well as in direct conflict with the Leavenworth County Comprehensive Plan of August, 2020.

There is an impact from traffic. The roadway from the south edge of 178th dust control surfacing to the driveway that turns into the TNT Academy is unpaved, and is so narrow many people just pull over to allow traffic to travel this section one vehicle at a time. Even a small increase in traffic has a large effect on the dust that flows naturally with summer southern winds, and the huge plumes of dust kicked up by each vehicle that travels northward on this road. Every vehicle departing the commercial facility to the north creates such dust plumes during dry conditions. Additionally, pedestrian traffic on 178th Street has already increased as several families will drop off their trainee, then take a stroll in the countryside while they wait. Although this is a public road completely available for pedestrians at any time, there are safety concerns for these pedestrians, particularly when walking on the narrow, unpaved section mentioned above. Most, if not all the clients of the TNT Academy do not live near this facility, so nearly 100% of the additional traffic is driven solely by this commercial operation.

SIGNATURE	ADDRESS	DATE
<i>Cristina G. Moore</i> <i>Cristine Oak</i>	20085 178 th St Tonganoxie KS	6-20-21
<i>Patricia A. Morgan</i> <i>Patricia A. Morgan</i>	20050 178 th St Tonganoxie, KS	6-20-2021
<i>Daniel J. Morgan</i> <i>Daniel J. Morgan</i>	20050 178 th St Tonganoxie, KS	6-20-2021
<i>Shelley M. Czajewski</i>	20028 183 rd St Tonganoxie KS	6-20-2021
<i>Daniel R. Czajewski</i>	20025 183 rd St Tonganoxie, KS	6-20-2021

PROTEST PETITION

Page 2 of 2

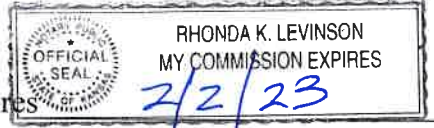
SIGNATURE	ADDRESS	DATE
James A. Enneking	2005 178th Tonganoxie KS 66086	6/20/21
Charlene Enneking	2005 178th Tonganoxie KS 66086	6/20/21
Charlene M. Enneking	Tonganoxie K.S 66086	6/20/21
as trustee of James A. Enneking, as trustee of James A. Enneking and Charlene M. Enneking, Revocable Living Trust dated December 27, 2007		

STATE OF KANSAS)
)
 COUNTY OF LEAVENWORTH)

Rhonda K. Levinson, of lawful age, being first duly sworn, upon his/her oath states that she/he was the bearer of the above and forgoing protest, and that she/he witnessed the above signatures.

Subscribed and sworn before me the 20th and 22nd days of June, 2021

[Signature]
 Notary Public



My Commission Expires

VERIFICATION

STATE OF KANSAS)
) ss:
COUNTY OF LEAVENWORTH)

The foregoing was subscribed and sworn to before me by Cristina G. Moore this
20th day of June, 2021.



Notary Public

My Commission Expires:



VERIFICATION

STATE OF KANSAS)
) ss:
COUNTY OF LEAVENWORTH)

The foregoing was subscribed and sworn to before me by Patricia A. Morgan this
20th day of June, 2021.



Notary Public

My Commission Expires:



VERIFICATION

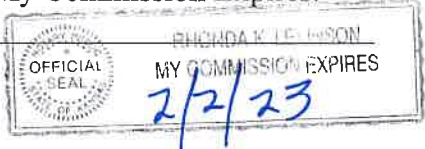
STATE OF KANSAS)
) ss:
COUNTY OF LEAVENWORTH)

The foregoing was subscribed and sworn to before me by Daniel J. Morgan this
20th day of June, 2021.



Notary Public

My Commission Expires:



VERIFICATION

STATE OF KANSAS)
) ss:
COUNTY OF LEAVENWORTH)

The foregoing was subscribed and sworn to before me by James A. Emeking this
20th day of June, 2021.



Notary Public


My Commission Expires:



VERIFICATION

STATE OF KANSAS)
) ss:
COUNTY OF LEAVENWORTH)

The foregoing was subscribed and sworn to before me by Charlene Enneking this
20th day of June, 2021.



Notary Public

My Commission Expires:



VERIFICATION

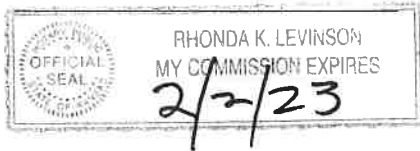
STATE OF KANSAS)
) ss:
COUNTY OF LEAVENWORTH)

The foregoing was subscribed and sworn to before me by Shelley Ciszewski this
22nd day of June, 2021.



Notary Public


My Commission Expires:



VERIFICATION

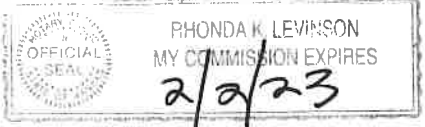
STATE OF KANSAS)
) ss:
COUNTY OF LEAVENWORTH)

The foregoing was subscribed and sworn to before me by Daniel Ciszewski this
22nd day of June, 2021.



Notary Public

My Commission Expires:

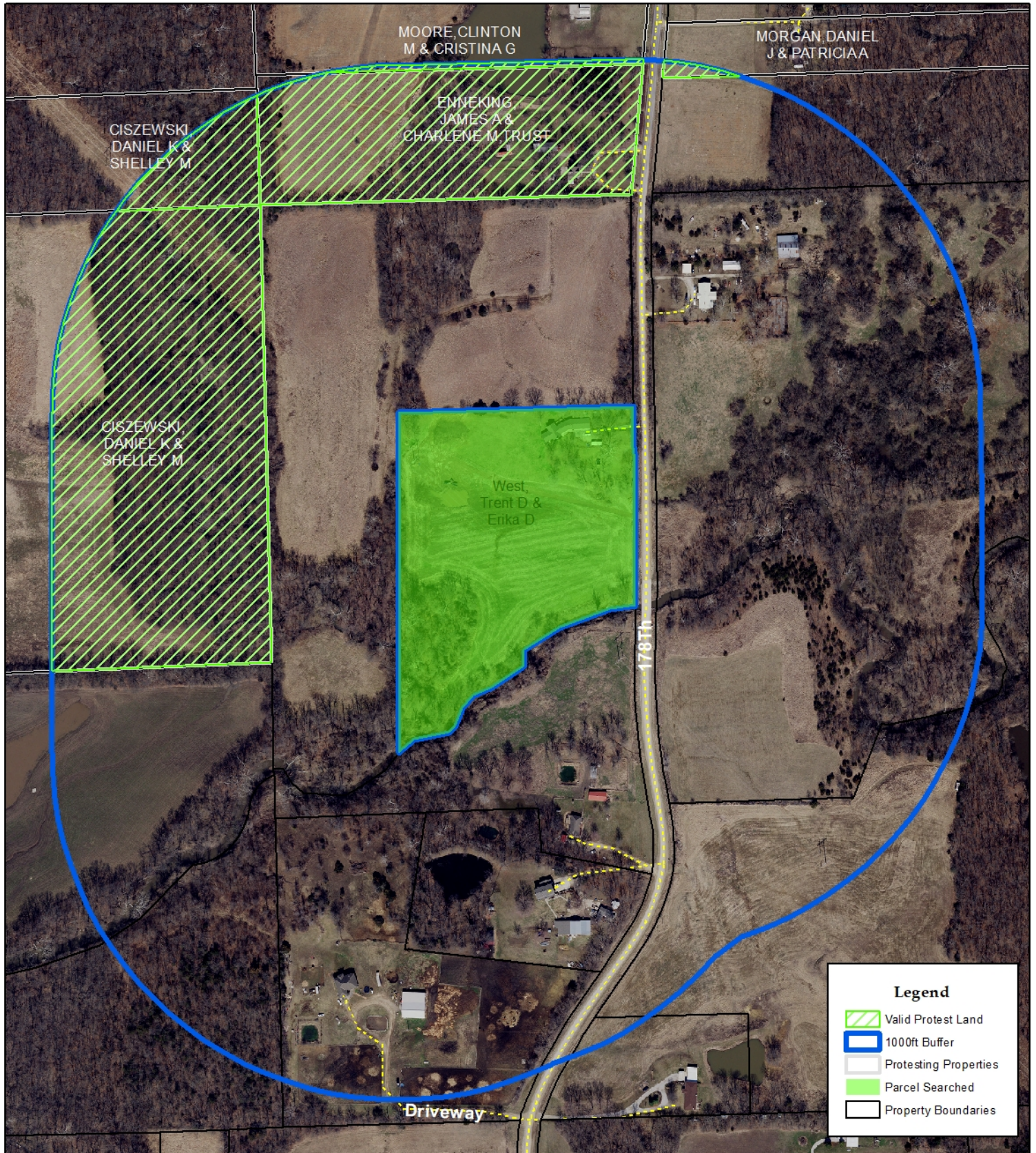

RHONDA K. LEVINSON
MY COMMISSION EXPIRES
2/2/23



Protest Petition

Property Radius Search

Total Acres within Buffer: 351.51Ac
 20% of Total Acres within Buffer: 70.30Ac
 Total Affected Acres: 84.79Ac



Sloop, Stephanie

From: Wehr, Tyler
Sent: Wednesday, June 23, 2021 1:52 PM
To: Sloop, Stephanie
Cc: Gentzler, Joshua; Voth, Krystal
Subject: RE: Protest Petition
Attachments: Map.jpg

It is valid.

Tyler Wehr
GIS Analyst
Leavenworth County
300 Walnut St Suite 030
Leavenworth, KS 66048
twehr@leavenworthcounty.gov
(913)684-0448

From: Sloop, Stephanie
Sent: Wednesday, June 23, 2021 1:20 PM
To: Wehr, Tyler <TWehr@leavenworthcounty.gov>
Cc: Gentzler, Joshua <JGentzler@leavenworthcounty.gov>; Voth, Krystal <KVoth@leavenworthcounty.gov>
Subject: Protest Petition

Tyler,

Can you tell us if this is a valid protest petition?

Stephanie Sloop

Public Relations and Planning Coordinator
Planning and Zoning
Leavenworth County Courthouse
300 Walnut St. Ste. 212
Leavenworth. KS 66048
(913) 364-5750 ph





County of Leavenworth
Planning & Zoning Department
300 Walnut, Suite 212
Leavenworth, Kansas 66048
Phone: 913-684-0465

March 12, 2021

To: Trent West
TNT Baseball
19897 178th Street
Tonganoxie, KS 66068

Re: Special Use Permit
DEV-21-021

Mr. West,

Staff has reviewed the application and narrative for TNT Baseball, which was submitted on February 23rd, 2021.

Upon review of your application, Staff has the following comments:

1. The narrative indicates you expect teams to schedule start and stop times. How many time slots are you making available each day, Monday through Friday? How many time slots are you making available on Saturday and Sundays?
2. How many people will be using the facility at a time?
3. Provide vehicle trips generated by the SUP. A trip is defined as a single- or one-directional vehicle movement with either to or from the SUP's site. A vehicle coming to the site is one trip and the same vehicle leaving the site is a second trip.
4. Trips shall include the type anticipated vehicles per day for each type of vehicle (passenger, trucks, types of trucks, large equipment, trailers, and loads). Trips shall include customers, staff, deliveries, or other vehicles needed for the special uses permit. In general, provide time frames per day when the detailed vehicle trips will occur.
5. Do you expect to increase the number of employees over the next 5 years?
6. An existing above ground electrical transmission line is near the proposed building. Electrical lines are placed in easements. Provide documentation the building is outside the easement.
7. Should the Board of County Commissioners approve your application, you will be required to provide the County with proof of insurance.

As much of your property is in a FEMA delineated Floodplain, your plan was sent to the Kansas Department of Agriculture for review by the Division of Water Resources. The following comment was sent by the Division:

1. The proposed location of the building is within a FEMA delineated Floodplain. The building must be elevated so that the finish floor is 1 foot above Base Flood Elevation. A state permit will be required to place fill in the floodplain.

To address this comment, you can provide evidence that demonstrates that the building was built outside the floodplain.

The Stranger Township Fire Department had the following comments:

Stranger Township Fire Department does not recommend the granting of this Special Use Permit due to following concerns:

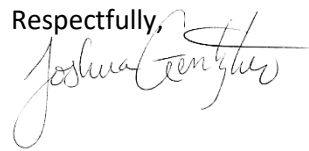
- 1) Lack of adequate exiting
- 2) Fire Department Access Restriction
- 3) Lack of Adequate parking
- 4) No Sanitary Facilities

These comments from the Fire Department will also be considered by the Planning Commission during their review of your application. You can contact the Stranger Township Fire Department with any questions you have for remediation of the concerns listed above.

Please provide the revisions and information indicated above by March 19, 2021. If the revision and information is not received by then, the case will be continued and rescheduled.

If you have any questions or need additional information, please contact me at (913) 684-0464 or at JGentzler@LeavenworthCounty.Gov.

Respectfully,



Joshua Gentzler
Planner II
Planning and Zoning
Leavenworth County

From: [Gentzler, Joshua](#)
Sent: Monday, April 19, 2021 4:51 PM
To: 'Trent West'
Cc: erika.d.west@pwc.com
Subject: RE: DEV-21-022 Comments

Good afternoon Trent,

We will need Evergy to provide us their results when their survey is complete.

Our questions about your growth is to determine when you hope to reach that maximum of 8 teams. Do you estimate or expect to be able to reach that goal in 2 years, 5 years, or 10 years? We understand that business plans change with new circumstances, but we are trying to gauge the development of your business and how that could affect the area in the future.

Thank you,

Joshua Gentzler
[Planning & Zoning](#)

From: Trent West <trentwest75@yahoo.com>
Sent: Wednesday, April 14, 2021 9:35 AM
To: Gentzler, Joshua <JGentzler@leavenworthcounty.gov>
Cc: erika.d.west@pwc.com
Subject: Re: DEV-21-022 Comments

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I will have evergy do a site survey to show that we are within tolerance of Evergy's easement. As far as "explosive growth" as you stated in the past 3 months and concern about 2 years Doreen the road. Our goal is 8 teams which is explicitly stated in scenario two. In bold letters it states, "maximum vehicle troops per day over the course of a year would be 36" under this scenario. Not sure where you're confused.

Semper Fi
Trent

Sent from my iPhone

On Apr 14, 2021, at 8:54 AM, Gentzler, Joshua wrote:

Good morning Trent and Erika,
Give me a call as quickly as you can this morning. Public Works reviewed the information you sent over and we need to talk about how we can proceed.

Thank you,
Joshua Gentzler
[Planning & Zoning](#)

From: Trent West
Sent: Tuesday, April 13, 2021 11:48 AM
To: Erika West (US - IFS)

Cc: Gentzler, Joshua

Subject: Re: DEV-21-022 Comments

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Josh, can you fwd the memos from Chuck and Mark, when time permits. Thank you

Sent from my iPhone

On Apr 13, 2021, at 11:37 AM, Erika West (US - IFS) wrote:

Hi Joshua -

Please find below the breakdown of practices by month under Scenario 2. Please let me know if you have any questions.

Thanks!

Erika West

On Tue, Apr 13, 2021 at 8:45 AM Trent West

<trentwest75@yahoo.com> wrote:

Hi Joshua, please see attached. I will try to get a breakdown of practices sent to you today per your request.

Sent from my iPhone

On Apr 8, 2021, at 12:13 PM, Trent West

<trentwest75@yahoo.com> wrote:

Sent from my iPhone

Begin forwarded message:

From: "Gentzler, Joshua"

<JGentzler@leavenworthcounty.gov>

Date: April 8, 2021 at 11:59:40 AM CDT

To: Trent West

<trentwest75@yahoo.com>

Subject: DEV-21-022 Comments

Trent,

As I mentioned yesterday, we did meet with PW and engineering on your project. We've got the following questions/comments:

- Please confirm the following: In scenario 1, February is the busiest month with 37 practices. As stated there is 11 cars per practice or 22 trips (one way directions). 25% of

the 11 cars will leave and come back to pick up there kids. This 25% of the vehicles is 3 vehicles or 6 trips. In a practice there is 28 total trips.

- Please submit a breakdown of practices per month in scenario 2, like you did for scenario 1.

In addition, we have looked through our files for the building permit for the email about the power line easement. We do not have that email. Can you provide a copy of it?

Thanks,

Joshua Gentzler

Planner II

[Planning & Zoning](#)

Leavenworth County

913.684.0464

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From: [Mitch Pleak](#)
Sent: Monday, May 10, 2021 9:34 AM
To: [Gentzler, Joshua](#)
Cc: [Anderson, Lauren](#); [Noll, Bill](#); [Voth, Krystal](#); [019-2831](#)
Subject: DEV-21-022 - TNT Baseball

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All,

Olsson has reviewed the application from the aspect of impacts to 178th Street (gravel roadway) and proposed traffic. The application provided two scenarios of traffic generation. LVCO Staff confirmed the applicant requested Scenario 2 to be used for the SUP. Scenario 2 has more traffic generation than Scenario 1. Below is the break out of practices per month provided by the applicant.

Month	Scenario 2
January	80
February	64
March	48
April	32
May	40
June	32
July	20
August	28
September	32
October	40
November	32
December	24
Total practices	472

From the SUP application narrative, below is planned trips per month:

- 11 cars per practice and expect that 25% of the cars will drop off and return to pick up.
 $11+11+(0.25 \times 11)+(0.25 \times 11) = 28$ trips per practice
- $(472 \text{ practices} \times 28 \text{ trips per practice}) / 365 \text{ days} = 36.2$ trips per day over the year.

	Scenario 2 - Practices per Month	Days per Month	Trips per Practice	Trips per Day per the Month
Jan	80	31	28	72
Feb	64	28	28	64
March	48	31	28	43
April	32	30	28	30
May	40	31	28	36
June	32	30	28	30
July	20	31	28	18
August	28	31	28	25

Sept.	32	30	28	30
October	40	31	28	36
November	32	30	28	30
December	24	31	28	22
Total Practices	472			

Jan and Feb are the only months over 50 trips per day.

Per the requirements of the TIF policy:

- 50 or more passenger trips per day requires a traffic impact study and physical roadway assessment along said proposed gravel road.
- In the general requirements in the policy, the County Engineer is allowed to review the application to determine if studies and/or assessments, based on sound engineering judgement, are required.

Olsson has completed an initial review with findings below:

- Physical Roadway Assessment: Traffic generated is passenger cars only. With the majority of the months seeing less than 50 trips per day, it is Olsson's opinion, a physical roadway assessment is not warranted.
- Structural Storm Culver Assessment: All traffic generation is passenger vehicles. It is Olsson's opinion, a structural storm culver assessment is not warranted.
- Traffic Impact Study: The majority of the months seeing less than 50 trips per day, it is Olsson's opinion, a traffic impact study is not warranted. The applicant should provide adequate parking within their site.
- In the future, if the facility use changes (increased trips due to additional practices, year round use, etc) the County should retain their ability to review the application again.

Please let me know of any questions.

Sincerely,

Mitch Pleak, PE

Project Engineer / Civil

D 913.748.2503

7301 W. 133rd Street, Suite 200

Overland Park, KS 66213

O 913.381.1170



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[View Legal Disclaimer](#)

From: [Van Parys, David](#)
Sent: Tuesday, March 2, 2021 8:07 AM
To: [Gentzler, Joshua](#)
Cc: [Voth, Krystal](#)
Subject: RE: DEV-21-022 Special Use Permit - TNT Baseball Academy

Lighting and traffic would appear to be the primary concerns. Fortunately for me, they are out of my purview.

From: Gentzler, Joshua
Sent: Monday, March 1, 2021 5:35 PM
To: Mark Bilquist (stfdchief1760@gmail.com) ; Amanda Holloway (Amanda.holloway@freestate.coop) ; 'Travis@SuburbanWaterInc.com' ; Janelle Phillips (Janelle.Phillips@ks.gov) ; Anderson, Kyle ; Anderson, Lauren ; Magaha, Chuck ; Miller, Jamie ; Mitch Pleak ; Thorne, Eric ; Van Parys, David
Subject: DEV-21-022 Special Use Permit - TNT Baseball Academy

The Department of Planning and Zoning has received an application for a Special Use Permit for a Commercial Athletic Field. This is a batting cage/practice facility for baseball/softball players, located at 19897 178th Street, Tonganoxie, KS 66086.

The Planning Staff would appreciate your written input in consideration of the above request. Please review the attached information and forward any comments to us by Tuesday, March 9th.

If you have any questions or need additional information, please contact me at (913) 684-0464 or at jgentzler@leavenworthcounty.gov.

Thank you,

Joshua Gentzler
Planner II
[Planning & Zoning](#)
Leavenworth County
913.684.0464

Gentzler, Joshua

From: Amanda Tarwater <amanda.holloway@freestate.coop>
Sent: Tuesday, March 2, 2021 8:15 AM
To: Gentzler, Joshua
Subject: Re: DEV-21-022 Special Use Permit - TNT Baseball Academy

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FreeState Electric has no objection to this request.

Thank you,

Amanda Tarwater
Member Account Coordinator



1-800-794-1989 | www.freestate.coop

From: "Gentzler, Joshua" <JGentzler@leavenworthcounty.gov>
Date: Monday, March 1, 2021 at 5:35 PM
To: "Mark Bilquist (stfdchief1760@gmail.com)" <stfdchief1760@gmail.com>, Amanda Tarwater <amanda.holloway@freestate.coop>, "Travis@SuburbanWaterInc.com" <Travis@SuburbanWaterInc.com>, "Janelle Phillips (Janelle.Phillips@ks.gov)" <Janelle.Phillips@ks.gov>, "Anderson, Kyle" <KAnderson@leavenworthcounty.gov>, "Anderson, Lauren" <LAnderson@leavenworthcounty.gov>, "Magaha, Chuck" <CMagaha@leavenworthcounty.gov>, "Miller, Jamie" <JMiller@leavenworthcounty.gov>, Mitch Pleak <MPleak@olsson.com>, "Thorne, Eric" <ethorne@leavenworthcounty.gov>, "Van Parys, David" <DVanParys@leavenworthcounty.gov>
Subject: DEV-21-022 Special Use Permit - TNT Baseball Academy

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The Department of Planning and Zoning has received an application for a Special Use Permit for a Commercial Athletic Field. This is a batting cage/practice facility for baseball/softball players, located at 19897 178th Street, Tonganoxie, KS 66086.

The Planning Staff would appreciate your written input in consideration of the above request. Please review the attached information and forward any comments to us by Tuesday, March 9th.

If you have any questions or need additional information, please contact me at (913) 684-0464 or at Jgentzler@LeavenworthCounty.Gov.

Thank you,

Joshua Gentzler
Planner II
[Planning & Zoning](#)
Leavenworth County
913.684.0464



Leavenworth County
Planning & Zoning Department
300 Walnut, Suite 212
Leavenworth, Kansas 66048

To: Krystal Voth
Director

From: Kyle Anderson
Environmental Tech/Code Enforcement

Date: March 3, 2021

RE: Trent West
Case DEV-21-022, Special Use Permit
19897 178th St
Tonganoxie, KS 66086
PID# 159-32-0-00-00-018.01

Our department received a Special Use Permit application for TNT Baseball Academy at the above listed location. This business was found to be operating without a SUP, however, when a letter was sent to Mr. West he immediately contacted me to determine what needed to be done to get the property into compliance. A SUP application was submitted promptly.

Thank you,

Kyle Anderson
kanderson@leavenworthcounty.gov

From: [Mark Billquist](#)
Sent: Wednesday, March 17, 2021 3:31 PM
To: [Gentzler, Joshua](#)
Subject: Re: DEV-21-022 Special Use Permit - TNT Baseball Academy

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- 1) Lack of adequate exiting - Construct a second separate walk through exit from the building.

- 2) Fire Department Access Restriction - Construct an all weather path from the parking area to the building

- 3) Lack of Adequate parking - Improve parking area to allow enough space for emergency vehicles to maneuver

- 4) No Sanitary Facilities - install a bathroom in the building or place a portable toilet next to it.

On Wed, Mar 17, 2021 at 3:24 PM Gentzler, Joshua <JGentzler@leavenworthcounty.gov> wrote:

Mr. Billquist,

Great, glad to hear it. So we have record of this, what are the ways the applicant can address your original concerns?

Joshua Gentzler

[Planning & Zoning](#)

From: Mark Billquist <stfdchief1760@gmail.com>
Sent: Tuesday, March 16, 2021 3:26 PM
To: Gentzler, Joshua <JGentzler@leavenworthcounty.gov>
Subject: Re: DEV-21-022 Special Use Permit - TNT Baseball Academy

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Mr. Gentzler,

Yes, I spoke with John Zimbelman who is the friend and also Fire Chief in Tonganoxie. We spoke about my suggestions and John was going to see that each was addressed by the property

owner. In regards to #4, it was suggested that a porta potty be placed near the building. It was also agreed that an all weather side walk be placed between the parking area and the building, that the parking area be improved, and that another walk through doorway be built.

I know Chief Zimbleman and feel that he will be able to communicate these needs to the owner. Call me if you have any questions or concerns. 913-369-0510

Mark Billquist

On Tue, Mar 16, 2021 at 3:11 PM Gentzler, Joshua <JGentzler@leavenworthcounty.gov> wrote:

Hi Mark,

I just got off the phone with the applicant on this case. Have you been approached by a friend of the Mr. West's to discuss how the property could address your concerns? Mr. West said that had occurred. If so could you provide the details on what was relayed to Mr. West or his friend?

In addition, how would you suggest the applicant could address your concerns for the use of the property? In regards to concern 4, the applicant does open his home to the teams when the necessity arises. Would that satisfy your concern?

If you have any questions, please feel free to reach out via email or phone (913-684-0464).

Thank you,

Joshua Gentzler

[Planning & Zoning](#)

From: Mark Billquist <stfdchief1760@gmail.com>

Sent: Tuesday, March 9, 2021 2:40 PM

To: Gentzler, Joshua <JGentzler@leavenworthcounty.gov>

Cc: Amanda Holloway (Amanda.holloway@freestate.coop)

<Amanda.holloway@freestate.coop>; Travis@SuburbanWaterInc.com; Janelle Phillips

(Janelle.Phillips@ks.gov) <Janelle.Phillips@ks.gov>; Anderson, Kyle

<KAnderson@leavenworthcounty.gov>; Anderson, Lauren

<LAnderson@leavenworthcounty.gov>; Magaha, Chuck

<CMagaha@leavenworthcounty.gov>; Miller, Jamie <JMiller@leavenworthcounty.gov>;

Mitch Pleak <MPLeak@olsson.com>; Thorne, Eric <ethorne@leavenworthcounty.gov>; Van

Parys, David <DVanParys@leavenworthcounty.gov>

Subject: Re: DEV-21-022 Special Use Permit - TNT Baseball Academy

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Stranger Township Fire Department does not recommend the granting of this Special Use Permit due to following concerns:

- 1) Lack of adequate exiting
- 2) Fire Department Access Restriction
- 3) Lack of Adequate parking
- 4) No Sanitary Facilities

I can provide further details if needed.

Mark Billquist

Stranger Township Fire Chief

On Mon, Mar 1, 2021 at 5:35 PM Gentzler, Joshua <JGentzler@leavenworthcounty.gov> wrote:

The Department of Planning and Zoning has received an application for a Special Use Permit for a Commercial Athletic Field. This is a batting cage/practice facility for baseball/softball players, located at 19897 178th Street, Tonganoxie, KS 66086.

The Planning Staff would appreciate your written input in consideration of the above request. Please review the attached information and forward any comments to us by Tuesday, March 9th.

If you have any questions or need additional information, please contact me at (913) 684-0464 or at Jgentzler@LeavenworthCounty.Gov.

Thank you,

Joshua Gentzler

Planner II

[Planning & Zoning](#)

Leavenworth County

913.684.0464

--

Mark Billquist

Stranger Township Fire Chief

Midwest Regional Treasurer 10-33 Foundation

[913-369-0510](tel:913-369-0510) mobile

stfdchief1760@gmail.com

"Sometimes your joy is the source of your smile, but sometimes your smile can be the source of your joy." – Thich Nhat Hanh

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"Sometimes your joy is the source of your smile, but sometimes your smile can be the source of your joy." – Thich Nhat Hanh

MEMO

To: Krystal Voth
From: Chuck Magaha
Subject: Baseball facility
Date: April 8, 2021

Krystal, thank you for the opportunity in review the recent special use permit submitted by Trent West for an additional building to add to their current Parcel. The suggestion I have would be the requirement of a contingent plan for the applicant in all hazard planning pertaining to their facility. The center would be responsible to provide safe shelter in the event of dangerous weather or other emergencies. The applicant needs to consider fire protection, IE. Escape routes posted, notification procedures and emergency contacts to be posted throughout the facilities. The applicant needs to be able to address the public during severe weather, sheltering in the event of tornados or high winds or flood. An all hazard weather radio needs to be placed in the facility and monitored for impending alerts that may affect the area. Smoke detectors placed throughout the gathering points of the center. A sign posted on the outside of the facility of emergency contacts for emergency responders to make contact if the applicant is not present during the emergency. I would caution that this parcel sits on a flood way for the creek that runs adjacent to the location of this facility. They would have to meet the flood criteria as set out through our NFIP. I have no further comments to make at this time.

From: [Phillips, Janelle \[KDA\]](#)
Sent: Friday, March 26, 2021 3:50 PM
To: [Gentzler, Joshua](#)
Subject: RE: DEV-21-022 Special Use Permit - TNT Baseball Academy

Notice: This email originated from outside this organization. Do not click on links or open attachments unless you trust the sender and know the content is safe.

Based on this information it appears that Leavenworth County issued a permit for the building that was not in the floodplain, therefore a state permit is not required.

Janelle Phillips, P.E.*, CFM
Stream Obstruction Team Lead
Water Structures Program
Division of Water Resources
Kansas Department of Agriculture
1320 Research Park Drive
Manhattan, KS 66502
Office: 785-564-6656
Cell: 785-307-8292
Janelle.phillips@ks.gov
*licensed in KS, MO, CO

From: Gentzler, Joshua [mailto:JGentzler@leavenworthcounty.gov]
Sent: Friday, March 26, 2021 2:22 PM
To: Phillips, Janelle [KDA]
Subject: RE: DEV-21-022 Special Use Permit - TNT Baseball Academy

EXTERNAL: This email originated from outside of the organization. Do not click any links or open any attachments unless you trust the sender and know the content is safe.

Janelle,

This is an existing building. It was built in 2020.

He submitted a site plan in 2020 that I've attached to this email. Its pretty hard to read, but on the plan, the building was supposed to be built in the back corner as close to the property line as he could (15 feet from the west boundary and north boundary line). He says that he stayed out of the floodplain because he knew about it and Kyle warned him that he needed to stay out of the floodplain. We don't inspect buildings and can't verify that the building was put where he said it would be, but the Applicant was aware of the presence/location of the floodplain and told us he would place it out of the floodplain.

Hope that helps,

Joshua Gentzler
[Planning & Zoning](#)

From: Phillips, Janelle [KDA] <Janelle.Phillips@ks.gov>
Sent: Thursday, March 25, 2021 3:55 PM
To: Gentzler, Joshua <JGentzler@leavenworthcounty.gov>
Subject: RE: DEV-21-022 Special Use Permit - TNT Baseball Academy

Notice: This email originated from outside this organization. Do not click on links or open attachments unless you trust the sender and know the content is safe.

Joshua –

I am very confused. Is the building existing or proposed? It appears that a building permit was already issued for the building by Kyle Anderson. Do you have a site plan to go with that permit?

Janelle Phillips, P.E. *, CFM
Stream Obstruction Team Lead
Water Structures Program
Division of Water Resources
Kansas Department of Agriculture
1320 Research Park Drive
Manhattan, KS 66502
Office: 785-564-6656
Cell: 785-307-8292
Janelle.phillips@ks.gov
*licensed in KS, MO, CO

From: Gentzler, Joshua [<mailto:JGentzler@leavenworthcounty.gov>]
Sent: Thursday, March 25, 2021 3:29 PM
To: Phillips, Janelle [KDA] <Janelle.Phillips@ks.gov>
Subject: RE: DEV-21-022 Special Use Permit - TNT Baseball Academy

EXTERNAL: This email originated from outside of the organization. Do not click any links or open any attachments unless you trust the sender and know the content is safe.

Janelle,

We've heard back from the applicant on this project and attached his response to this email. I've also attached the applicant's building permit application (RES-20-052) which he references. How would you like us to proceed?

Joshua Gentzler
[Planning & Zoning](#)

From: Phillips, Janelle [KDA] <Janelle.Phillips@ks.gov>
Sent: Tuesday, March 2, 2021 11:35 AM
To: Gentzler, Joshua <JGentzler@leavenworthcounty.gov>
Subject: RE: DEV-21-022 Special Use Permit - TNT Baseball Academy

Notice: This email originated from outside this organization. Do not click on links or open attachments unless you trust the sender and know the content is safe.

I see it. Tell him to redesign it to not be in the floodplain at all including the parking lot and drive or hire a surveyor.

From: Gentzler, Joshua [<mailto:JGentzler@leavenworthcounty.gov>]
Sent: Tuesday, March 2, 2021 11:30 AM
To: Phillips, Janelle [KDA]
Subject: RE: DEV-21-022 Special Use Permit - TNT Baseball Academy

EXTERNAL: This email originated from outside of the organization. Do not click any links or open any attachments unless you trust the sender and know the content is safe.

Janelle,

One last thing before I tell him that he needs to get a surveyor to prove the building is out of the floodplain. Did you see the applicant's markup on page six of the application? He estimates the building there and our code investigator says his drawing is slightly too large and out of scale for the actual size of the building.

Thanks for bearing with my questions.

Joshua Gentzler
[Planning & Zoning](#)

From: Phillips, Janelle [KDA] <Janelle.Phillips@ks.gov>
Sent: Tuesday, March 2, 2021 10:26 AM
To: Gentzler, Joshua <JGentzler@leavenworthcounty.gov>; Mark Bilquist (stfdchief1760@gmail.com) <stfdchief1760@gmail.com>; Amanda Holloway (Amanda.holloway@freestate.coop) <Amanda.holloway@freestate.coop>; 'Travis@SuburbanWaterInc.com' <Travis@SuburbanWaterInc.com>; Anderson, Kyle <KAnderson@leavenworthcounty.gov>; Anderson, Lauren <LAnderson@leavenworthcounty.gov>; Magaha, Chuck <CMagaha@leavenworthcounty.gov>; Miller, Jamie <JMiller@leavenworthcounty.gov>; Mitch Pleak <MPleak@olsson.com>; Thorne, Eric <ethorne@leavenworthcounty.gov>; Van Parys, David <DVanParys@leavenworthcounty.gov>
Subject: RE: DEV-21-022 Special Use Permit - TNT Baseball Academy

Notice: This email originated from outside this organization. Do not click on links or open attachments unless you trust the sender and know the content is safe.

The proposed location of the building is within a FEMA delineated Floodplain. The building must be elevated so that the finish floor is 1 foot above Base Flood Elevation. A state permit will be required to place fill in the floodplain.

Janelle Phillips, P.E. *, CFM
Stream Obstruction Team Lead
Water Structures Program
Division of Water Resources
Kansas Department of Agriculture
1320 Research Park Drive
Manhattan, KS 66502
Office: 785-564-6656
Cell: 785-307-8292

Janelle.phillips@ks.gov

*licensed in KS, MO, CO

From: Gentzler, Joshua [<mailto:JGentzler@leavenworthcounty.gov>]

Sent: Monday, March 1, 2021 5:35 PM

To: Mark Bilquist (stfdchief1760@gmail.com) ; Amanda Holloway (Amanda.holloway@freestate.coop) ; 'Travis@SuburbanWaterInc.com' ; Phillips, Janelle [KDA] ; Anderson, Kyle ; Anderson, Lauren ; Chuck Magaha ; Miller, Jamie ; Mitch Pleak ; Thorne, Eric ; Van Parys, David

Subject: DEV-21-022 Special Use Permit - TNT Baseball Academy

EXTERNAL: This email originated from outside of the organization. Do not click any links or open any attachments unless you trust the sender and know the content is safe.

The Department of Planning and Zoning has received an application for a Special Use Permit for a Commercial Athletic Field. This is a batting cage/practice facility for baseball/softball players, located at 19897 178th Street, Tonganoxie, KS 66086.

The Planning Staff would appreciate your written input in consideration of the above request. Please review the attached information and forward any comments to us by Tuesday, March 9th.

If you have any questions or need additional information, please contact me at (913) 684-0464 or at Jgentzler@LeavenworthCounty.Gov.

Thank you,

Joshua Gentzler
Planner II
[Planning & Zoning](#)
Leavenworth County
913.684.0464

Gentzler, Joshua

From: Trent West <trentwest75@yahoo.com>
Sent: Tuesday, April 13, 2021 8:45 AM
To: Gentzler, Joshua
Subject: Fwd: Everyg easement, 19897 178th St., Tonganoxie
Attachments: PRM_2011R08068.pdf

Notice: This email originated from outside this organization. Do not click on links or open attachments unless you trust the sender and know the content is safe.

In case the previous attachment sent doesn't open.

Sent from my iPhone

April 6, 2021

Leavenworth Planning and Zoning Department
300 Walnut Street, #30
Leavenworth, Kansas 66048

Attn: Joshua Gentzler

RE: Parcel ID number: 159-32-0--00-00-0018.01
Trent West and TNT Baseball Academy Permit

This letter is to address the permit request by Trent West to establish a baseball academy located at 19897 178th Street in Tonganoxie Kansas. The hearing date is Wednesday April 14th and we would like to address our concerns about this permit request.

We live at 20102 178th Street which is the same street the facility would be located. This is a rural home community which was chosen for it's quiet and peaceful surroundings. We have lived at this location for over 35 years and for most of those years we suffered through dust from the rock road. We personally paid to have the road in front of our home chip and sealed however after several winters the snow plows dug up our investment. Four years ago I initiated a signed petition with 12 homeowners on this road to have chip and seal placed along over half of a mile in front of our homes at a cost of \$2000.00 per household with a guarantee that the county would maintain the pavement. The snow plow damaged the pavement and we were advised that the area we paid for would be black topped. Last summer the county did black top the area we homeowners paid \$24,000.00 for as well as a portion of the street from Highway 24/40 for approximately a mile but did not include the middle section of this street which includes the property in question requesting the permit. This raises a huge dust concern as well as extreme use of the pavement that we personally paid for. Since the county neglected to pave the complete street of 178th, for

what ever reason, and has completely paved every road east, west, north and south of us, it becomes apparent that those households which submitted their \$2000.00 should be reimbursed for the commercial use of this roadway.

It has been noted the property around the standing building was deemed for an outdoor baseball field in what is considered Hog Creek flatland. We strongly oppose this for traffic reasons, noise and field lighting reasons as well. Again, this is a rural home community and not commercial properties.

We are deeply concerned the owners requesting the permit did not designate the building as a business permit originally. How many persons are to be allowed inside the building at a time and has a limit been established? Are they covered by proper insurance and paying the appropriate taxes for a income earning facility?

We ourselves are baseball loving fans and have a son who is a JV high school coach with a grandson playing on the team, a second grandson and granddaughter that plays summer ball so our opposition to this permit is not against our favorite sport. It is the fact of deception, traffic along our normally quiet road, invasive amounts of dust, wear and tear on the pavement we have personally paid for, noise and bright outdoor lighting. We strongly request that the permit to have tournament baseball at the standing facility and any future facilities at this location be denied.

Sincerely,

A handwritten signature in cursive script, appearing to read "Patricia Staples".

Thomas and Patricia Staples
20102 178th Street
Tonganoxie, KS 66086

My New Mailing Address:
20270 168th St.
Basehor, KS 66007

RoseAnna Hendricks

3/25/21

913-669-2964

To: Leavenworth County Planning & zoning Dept.

Re: Special Use Permit (DEV-21-022) request:

A tract of land located in the Southwest Quarter of Section 32, Township 10 South, Range 22 East of the 6th P.M. Leavenworth County, Kansas also known as 19897 178th St.

Requested by Trent West

Parcel ID #: 159-32-0-00-00-018.01

I have 12 acres of property off of 178th I purchased from my Dad over 50 years ago. I have left it wooded and have not built a home yet but maybe one of my Sons will some day. Over the years we have enjoyed the woods & creek for walking, mushroom hunting and the serenity of silence and hearing nature. Currently my 6 grandchildren are enjoying these simple pleasures in life. This is still the "country" to all of us. Basehor is a small community and we already have the "Field of Dreams" which I supported for many years; and it keeps growing. Why bring another one to the country here... more traffic & more people. For these reasons I DO NOT APPROVE ^{the} _{it}

From: [Laura Peek](#)
Sent: Tuesday, June 8, 2021 10:35 PM
To: [PZ](#)
Cc: [Gentzler, Joshua](#); tntbaseballacademy@gmail.com
Subject: TNT Baseball Academy (Case No DEV-21-022)

Notice: This email originated from outside this organization. Do not click on links or open attachments unless you trust the sender and know the content is safe.

Dear LV Planning and Zoning Committee:

As a mother of 3 active sports-loving boys, finding local teams with dedicated coaches and facilities has been a challenge! The TNT Baseball Academy has provided that. As we were looking for a competitive baseball team last fall, we considered clubs in Johnson County, but quickly realized the facility and quality of coaching at TNT Baseball Academy offered as much, if not more, than those facilities outside of Leavenworth County, and it was just minutes away.

The building on Trent & Erika West's property is the perfect size for a team to hold a practice when the Kansas weather is not conducive for an outdoor practice! Located near Highway 24/40, yet off a gravel road next to an ag field and surrounded by trees, the rural TNT baseball facility provides state-of-the-art baseball training opportunities for the youth of Leavenworth County and surrounding areas. My kids have received exceptional instruction through both team and private lessons offered at TNT Baseball Academy. Opportunities such as these keep our kids active, safe from alternative shenanigans they may engage in if not playing baseball, all while learning critical life skills, such as teamwork, accountability, communication and confidence.

The application for a Special Use Permit (Case No DEV-21-022) from Trent & Erika West to use the building on their property as a baseball facility, offering these opportunities to our Leavenworth County youth, should be fully supported by our county leaders. Our youth deserve local opportunities such as this!

Kind regards,

Laura Peek

22184 171st St., Basehor, KS 66007

913-728-2420 (H) | 785-418-2107 (C)

LJPeek@gmail.com

To whom it may concern:

I am writing about the "proposed" baseball training facility that was built on 178th Street.

There are too many unanswered questions. How many people can use the facility at one time? What is the time limit for those people? Will it be a constant turn over of clients meaning a constant use of our road? What are the hours of business and will they be strict on that?

I'm assuming a lot of the clientele will be teenagers which could mean speeding up and down our quiet roads, not to mention extra dust generated from the traffic.

Please reimburse my payment of my roads if this is approved.

Georgia F. Leible Harold Leible
Georgia F. Leible Harold Leible

20080 178th Street
Tonganoxie, KS
66086

June 8, 2021

Leavenworth County Planning & Zoning Commission
300 Walnut Street
Leavenworth, KS. 66048

via email at:
pz@leavenworthcounty.gov

RE: TNT Baseball Academy (Case No DEV-21-022) Special Use Permit

Dear Commissioners:

As residents of Leavenworth County and parents of four children, we strongly support the TNT Baseball Academy (Academy) and their request for a Special Use Permit. We believe the Academy provides great value to Leavenworth County and opportunity for area youth.

The West family has taken steps to provide a high-quality training facility providing area youth the opportunity to enhance athleticism. The Academy develops athletes by offering baseball teams, private lessons, and instructional camps. The facility also provides other area teams a location to hold in-door practices for use during unpredictable Kansas weather.

Small businesses are a vital part of Leavenworth county's economy. Without TNT Baseball Academy, families seeking this type of training and in-door facility will take their business out of Leavenworth county to a business in another county.

The building is positioned on the property in a manner that is aesthetically pleasing and looks similar to out-buildings placed on surrounding area properties. Additionally, there is a separate driveway and adequate parking.

Therefore, we respectfully request that you approve the Special Use Permit to allow Trent and Erika West to utilize the building on their property as an indoor baseball facility.

Sincerely,

Jason and Crystal Puderbaugh
1816 160th Terrace
Basehor, KS. 66007

Cc: jgentzler@leavenworthcounty.gov; tntbaseballacademy@gmail.com

April 7, 2021

TO WHOM IT MAY CONCERN:

We are writing to voice our concern about the baseball training facility that was built down the street from our house. We have several concerns. One of which is the deceitful way the building was constructed. If they decided to go with the “better to ask forgiveness than permission” avenue, what’s to prevent them from adding on—they have plenty of room.

Another concern is how many extra cars will be going up and down our street now—the part of street that I paid to have chip and sealed! I would like to be reimbursed for my part of that payment since a business, of which you will be gaining monetarily from by taxes received from them, will be using our road.

One last concern is that the area in front of their unit is still gravel. The constant use of that road still presents a dust issue for our houses. This will be multiplied with more traffic.

PLEASE do not give them permission to carry on with this business.

Respectfully submitted,



Daniel J. Morgan

20050 178th Street

Tonganoxie, KS 66086



Patricia A. Morgan

From: [Megan Lowe](#)
Sent: Tuesday, June 8, 2021 12:01 PM
To: [PZ](#)
Cc: [Gentzler, Joshua](#); [Trent West](#)
Subject: TNT Academy

Notice: This email originated from outside this organization. Do not click on links or open attachments unless you trust the sender and know the content is safe.

In regards to TNT Baseball Academy case No. DEV-21-022

Let us introduce our son, Anthony Bradley. A kind, smart, athletic, ten year old soon-to-be 5th grader at home or #35 when you see him take the field as part of TNT Sandlot.

We have been a part of the TNT family from day 1. It was a no brainer nearly 3 years ago to continue to allow our son to learn and grow with TNT Academy. We are not LV county residents, yet commute over one hour and 10 minutes one way, multiple times a week to be a part of TNT.

We ask that you approve the Special Use Permit not only for TNT Academy, but for all the young athletes who benefit from having this facility to continue chasing their baseball dreams, like our son Anthony.

Travis, Megan, & Anthony Bradley

SPECIAL USE PERMIT APPLICATION

Leavenworth County Planning Department
300 Walnut, St., Suite 212
County Courthouse
Leavenworth, Kansas 66048
913-684-0465

PID: 159-32-0-00-00-018.01 Office Use Only
Township Stranger Date Received: Feb 23, 2021
Planning Commission Date: April 14, 2021
Case No. DEV-21-021 Date Paid Feb 23, 2021
Zoning District RR-2.5
Comprehensive Plan land use designation _____

APPLICANT/AGENT INFORMATION	OWNER INFORMATION (If different)
NAME <u>TRENT WEST</u>	NAME _____
ADDRESS <u>19897 178th ST</u>	ADDRESS _____
CITY/ST/ZIP <u>TONGANOXIE, KS 66086</u>	CITY/ST/ZIP _____
PHONE <u>913 940 1191</u>	PHONE _____
EMAIL <u>trrentwest75@yahoo.com</u>	EMAIL _____
CONTACT PERSON <u>TRENT WEST</u>	CONTACT PERSON _____

PROPOSED USE INFORMATION

Existing and Proposed structures 80x60 AUXILIARY BUILDING

Reason for requesting a Special Use Permit BASEBALL INDOOR FACILITY

PROPERTY INFORMATION

Address of property 19897 178th ST Parcel size _____

Current use of the property RESIDENCE / TNT BASEBALL ACADEMY

Does the owner live on the property? YES

Does the applicant own property in states or counties other than Kansas and Leavenworth County? No

I, the undersigned am the (circle one) owner, duly authorized agent, of the aforementioned property situated in the unincorporated portion of Leavenworth County, Kansas. By execution of my signature, I do hereby officially apply for a Special Use Permit as indicated above. I hereby agree to "cease and desist" the operation of the activity upon denial of the permit by the Board of County Commissioners.

Signature [Signature] Date 2/8/21

ATTACHMENT A

TNT BASEBALL ACADEMY – APPLICATION FOR SPECIAL USE PERMIT

PROJECT NARRATIVE

This is a request for Special Use Permit for TNT Baseball Academy to provide indoor baseball practice space and lessons to TNT baseball teams/players as well as other local teams. The facility was initially built for this purpose to create a place for our own teams to practice during the winter months. The method of operation will be to allow teams access to facility for 1 – 3 hours at a time. Teams will schedule stop times and start times at least 15 minutes apart to minimize traffic congestion.

The permit is requested for 10 year with varying utilization throughout year, but volume will be heaviest during winter months.

KEY INFORMATION

Hours of Operation: The hours of operation are 9 AM to 8 PM.

Employees: Staffing consists of myself, Trent West and my wife, Erika West.

Signs: There are no signs for the business. We do not expect to drive business through traffic so do not plan on using signs.

Chemicals Used: None

Lubricants/Oils/Fluids: None

Sewage Disposal: None

Water Supply: There is no water to the facility currently. We may consider adding a restroom at some point.

Noise/Sounds Caused: Limited. Noise will generally be contained to within the facility.

Odors/Fumes: None

Accessory building to be used: We will use the building on our property for the business. The building is a 60 ft x 80 ft wooden pole barn with 14 ft walls. The building has concrete flooring under artificial turf, inside perimeter netting, and two large batting cages.

The reason that makes the pole barn in question appropriate for proposed use is that it is large and contains all necessary baseball equipment to hold practices and lessons for local teams.

The building is believed to be compatible with other parcels near the site as the parking and building are completely on our property.

Outdoor displays/advertising: None

Equipment: All equipment is baseball related will be contained to the building

Alcohol Service: None

Dust Control: N/A

Emergency/Safety: There are 3 exits from the building – 2 large overhead garage doors and an entrance door. Fire extinguishers are present within the building. If needed, shelter can be taken in the basement of our home during severe weather.

Outdoor Storage: None at this time

Security Lighting: We have a security light on the cul de sac used for drop off and pick up

Will this be in the existing home? No, we have a separate building on the property that will be used.

Traffic: Traffic to and from the facility will come from the north and south of the property via 178th Street. Vehicular access to and from the building will be provided by existing access driveway that leads to the building on the West side of 178th Street. Cul-de-sac drop off and off-street parking will be provided on property and will accommodate up to 12 vehicles.



Laura Kelly, Governor
Mark A. Burghart, Secretary

www.ksrevenue.org

CERTIFICATE OF TAX CLEARANCE

Erika D West

ISSUE DATE

02/24/2021

TRANSACTION ID

T3DP-GYY7-8D36

CONFIRMATION NUMBER

C2AC-FM4H-T27M

TAX CLEARANCE VALID THROUGH 05/25/2021

*Verification of this certificate can be obtained on our website, www.ksrevenue.org,
or by calling the Kansas Department of Revenue at 785-296-3199*



Laura Kelly, Governor
Mark A. Burghart, Secretary
www.ksrevenue.org

CERTIFICATE OF TAX CLEARANCE

Trent D West

ISSUE DATE

02/24/2021

TRANSACTION ID

T4T4-G878-5NYD

CONFIRMATION NUMBER

CYYA-EAHX-REP3

TAX CLEARANCE VALID THROUGH 05/25/2021

*Verification of this certificate can be obtained on our website, www.ksrevenue.org,
or by calling the Kansas Department of Revenue at 785-296-3199*

From: **Anderson, Kyle** KAnderson@leavenworthcounty.gov
Subject: **Site Map**
Date: **Feb 9, 2021 at 11:16:23 AM**
To: **Trent West** trentwest75@yahoo.com

I have attached an aerial image of your property for the site map. If you have any questions or need any additional information feel free to call or email us anytime.

Kyle Anderson
Environmental Technician/Code Enforcement
Leavenworth County Planning & Zoning
300 Walnut St. Ste. 212
Leavenworth, KS 66048
913-684-1084



Doc #: 2019R09935
STACY R. DRISCOLL
REGISTER OF DEEDS
LEAVENWORTH COUNTY, KANSAS
RECORDED ON:
12/02/2019 04:17:07 PM
RECORDING FEE: 55.00
PAGES: 3

Entered in the transfer record in my office this

2 day of Dec, 20 19
Janel Klawnski
County Clerk
B. Jones

Security 1st Title
15510 State Ave. Suite 10A
Basehor, KS 66007
2333969

TRUSTEE DEED

Grantor, Barbara E Sass, Trustee of The Donald L. Sass and Barbara E Sass Revocable Real Estate Trust Agreement dated December 2, 2002, acting pursuant to the powers vested under said Trust, for the sum of Ten and 00/100 Dollars (\$10.00) and other valuable consideration, receipt of which is hereby acknowledged, does by these presents grant, bargain, sell and convey to Erika D. West and Trent D. West, as joint tenants with the right of survivorship and not as tenants in common, all right, title and interest in the following described real estate:

Tract No.1

A tract of land in the Southwest Quarter of Section 32, Township 10 South, Range 22 East of the 6th Principal Meridian in Leavenworth County, Kansas, said tract being more particularly described as follows:

(Note: The bearing system in the following description is based on Grid North. Kansas State Plane Coordinate System NAD 83.)

Commencing at the Northeast corner of the Southwest Quarter of said Section 32; Thence South 88°36'20" West 1528.45 feet, along the North line of the Southwest Quarter of said Section 32, to a point in the center line of 178th Street, as now established; Thence South 00°22'18" East 601.33 feet, along said center line, to a # 80d nail found, said point also being the "true point of beginning"; Thence South 88°13'14" West 710.60 feet to a 1/2" rebar found; Thence South 00°15'52" West 993.03 feet, to a point in the center line of Hoag creek, as now established; Thence North 53°42'08" East 46.26 feet along the meander of the center line of said Hoag Creek; Thence North 45°17'09" East 58.96 feet along said meander; Thence North 82°54'42" East 74.59 feet along said meander; Thence North 36°32'48" East 119.94 feet along said meander; Thence North 57°10'26" East 139.02 feet along said meander; Thence North 50°03'08" East 78.81 feet along said meander; Thence North 32°23'28" East 67.34 feet along said meander; Thence North 64°55'30" East 46.23

 Security 1st Title

File No. 2333969
Page 1 of 3

feet along said meander; Thence North 68°47'02" East 71.77 feet along said meander; Thence North 74°35'34" East 106.56 feet along said meander; Thence North 86°56'36" East 57.20 feet along said meander; Thence North 67°09'14" East 13.63 feet, along said meander, to a chisled cross cut found on the center line of said 178th Street; Thence North 00°25'42" West 207.64 feet, along said center line, to a 1/2" rebar with LS cap #782 set; Thence South 57°33'58" West 471.70 feet to a 1/2" rebar with LS cap #782 set; Thence North 00°25'42" West 250.00 feet to a 1/2" rebar with LS cap #782 set; Thence North 89°34'18" East 150.00 feet to a 1/2" rebar with LS cap #782 set; Thence North 00°25'42" West 250.00 feet to a 1/2" rebar with LS cap #782 set; Thence North 89°34'18" East 250.00 feet to a 1/2" rebar with LS cap #782 set on the center line of said 178th Street; Thence North 00°25'42" West 117.98 feet, along said center line, to the "true point of beginning" of the tract herein described.

Subject to all easements and restrictions of record.

Tract No. 2

A tract of land in the Southwest Quarter of Section 32, Township 10 South, Range 22 East of the 6th Principal Meridian in Leavenworth County, Kansas, said tract being more particularly described as follows:

(Note: The bearing system in the following description is based on Grid North, Kansas State Plane Coordinate System NAD 83.)

Commencing at the Northeast corner of the Southwest Quarter of said Section 32; Thence South 88°36'20" West 1528.45 feet, along the North line of the Southwest Quarter of said Section 32, to a point in the center line of 178th Street, as now established; Thence South 00°22'18" East 601.33 feet, along said center line, to a #80d nail found; Thence South 00°25'42" East 117.98 feet, along said center line, to a 1/2" rebar with LS cap #782 set, said point also being the "true point of beginning"; Thence South 00°25'42" East 250.00 feet, along said center line, to a 1/2" rebar with LS cap #782 set; Thence South 57°33'58" West 471.70 feet to a 1/2" rebar with LS cap #782 set; Thence North 00°25'42" West 250.00 feet to a 1/2" rebar with LS cap #782 set; Thence North 89°34'18" East 150.00 feet to a 1/2" rebar with LS cap #782 set; Thence North 00°25'42" West 250.00 feet to a 1/2" rebar with LS cap #782 set; Thence North 89°34'18" East 250.00 feet to the "true point of beginning" of the tract herein described.

Subject to all easements and restrictions of record.

TO HAVE AND TO HOLD the above described premises, together with the appurtenances and hereditaments thereunto appertaining, and every part thereof to the said Grantee(s) as above stated, subject to: easements, restrictions, reservations and covenants, if any, now of record. Grantor further warrants that said Trust is in full force and effect, has not been

amended or revoked, and this conveyance is within her authority as trustee, with this deed
EXECUTED on December 2, 2019

The Donald L. Sass and Barbara E Sass
Revocable Real Estate Trust Agreement dated
December 2, 2002

By: Barbara E. Sass, Trustee
Barbara E Sass, Trustee

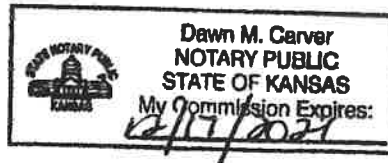
State of Kansas, Leavenworth County} ss.

This instrument was acknowledged before me on December 2, 2019 by
Barbara E Sass, Trustee of The Donald L. Sass and Barbara E Sass Revocable Real Estate
Trust Agreement dated December 2, 2002, for and on behalf of said Trust.



Notary Public

My appointment expires:



RESPONSES FROM TNT BASEBALL ACADEMY, LLC

Staff Comments

1. Generally speaking, we expect facility usage to be seasonal with the peak of activity expected in the winter months (January through March). While we have the ability to accommodate up to 6 time slots on Saturday and Sunday and 2 slots on weekdays, we have not, and do not expect to, run at maximum capacity even in the peak season. Please refer to question 3 for more information on expected facility usage.
2. The facility is intended to be used by one team at a time with an average of 11 kids and 2-3 coach/parents in the facility at a time.
3. We have provided two scenarios below to estimate the expected range of vehicle trips.

Scenario 1 – Expectation based off of current activity

Below is what we expect usage to be by month based on actual activity to date and projected usage for the remainder of the 2021:

- January – 33 practices
- February – 37 practices
- March – 33 practices
- April – 15 practices
- May – 13 practices
- June – 14 practices
- July – 4 practices
- August – 8 practices
- September – 13 practices
- October - 15 practices
- November – 12 practices
- December – 9 practices

We expect an average of 11 cars per practice and expect that 25% of the cars will drop off and return to pick up (i.e. 4 trips vs 2 trips for those that stay). Based on this activity, we estimate that over the course of a year, there will be **16 vehicle trips per day**.

Total # of practices	206
Avg # of cars per practice	<u>11</u>
Total # of cars	2,266
# of cars per day	6
Total # of trips (assuming 25% leave and return)	5,665
# of trips per day (assuming 25% leave and return)	16

Scenario 2 – Expectation based on long-term growth

Our long-term goal is to bring local teams at varying age levels under the TNT brand. We currently have 3 teams under the TNT brand and other non-TNT teams that rent the facility for practice. Our goal is to have up to 8 teams under the TNT brand which would substantially reduce or eliminate the ad hoc rental of the facility. If and when we are able to achieve this goal, we would estimate that the **maximum vehicle trips per day over the course of a year would be 36.**

Total # of practices	472
Avg # of cars per practice	11
Total # of cars	5,192
# of cars per day	14
Total # of trips (assuming 25% leave and return)	12,980
# of trips per day (assuming 25% leave and return)	36

4. All trips are expected to be passenger vehicles. We do not expect any large trucks, equipment, trailers, loads or deliveries. Vehicle trips are expected to occur between the hours of 9 am to 8 pm on Saturdays and Sundays and 5 pm – 8 pm on weekdays. We do not have staff beyond the owners who reside on the property.
5. We do not expect to expand the number of employees beyond the owners who reside on the property.
6. This was addressed as part of the building permit process. Please refer to Leavenworth County Residential Permit attached.
7. Proof of insurance will be provided as and when requested by the County.

FEMA Comments

1. The building was erected outside of the floodplain which was also addressed for building permit approval. Please refer to Leavenworth County Residential Permit attached.

Stranger Township Fire Department Comments

1. We will add an additional exit on the North side of the building to address this concern.
2. We will add a pathway for emergency vehicles to access the building from the end of the existing cul de sac.
3. Per further discussion with the Tonganoxie fire chief, we believe there is adequate parking for the expected traffic volume.
4. Sanitary facilities are located in the residence. We are always home when the building is used and have allowed for this access without issue. The residence has 3 bathrooms that can be used.

From: [Erika West \(US - IFS\)](#)
Sent: Tuesday, April 13, 2021 11:37 AM
To: [Gentzler, Joshua](#)
Cc: [Trent West](#)
Subject: Re: DEV-21-022 Comments

Notice: This email originated from outside this organization. Do not click on links or open attachments unless you trust the sender and know the content is safe.

Hi Joshua -

Please find below the breakdown of practices by month under Scenario 2. Please let me know if you have any questions.

Month	Scenario 2
January	80
February	64
March	48
April	32
May	40
June	32
July	20
August	28
September	32
October	40
November	32
December	24
Total practices	472

Thanks!

Erika West

On Tue, Apr 13, 2021 at 8:45 AM Trent West <trentwest75@yahoo.com> wrote:

Hi Joshua, please see attached. I will try to get a breakdown of practices sent to you today per your request.

Sent from my iPhone

On Apr 8, 2021, at 12:13 PM, Trent West <trentwest75@yahoo.com> wrote:

Sent from my iPhone

Begin forwarded message:

From: "Gentzler, Joshua" <JGentzler@leavenworthcounty.gov>
Date: April 8, 2021 at 11:59:40 AM CDT
To: Trent West <trentwest75@yahoo.com>
Subject: DEV-21-022 Comments

Trent,

As I mentioned yesterday, we did meet with PW and engineering on your project. We've got the following questions/comments:

- Please confirm the following: In scenario 1, February is the busiest month with 37 practices. As stated there is 11 cars per practice or 22 trips (one way directions). 25% of the 11 cars will leave and come back to pick up there kids. This 25% of the vehicles is 3 vehicles or 6 trips. In a practice there is 28 total trips.
- Please submit a breakdown of practices per month in scenario 2, like you did for scenario 1.

In addition, we have looked through our files for the building permit for the email about the power line easement. We do not have that email. Can you provide a copy of it?

Thanks,

Joshua Gentzler

Planner II

[Planning & Zoning](#)

Leavenworth County

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In the event the content of this email includes Tax advice, the content of this email is limited to the matters specifically addressed herein and is not intended to address other potential tax consequences or the potential application of tax penalties to this or any other matter.

PricewaterhouseCoopers LLP is a Delaware limited liability partnership. This communication may come from PricewaterhouseCoopers LLP or one of its subsidiaries.

From: [Trent West](#)
Sent: Friday, March 19, 2021 5:24 PM
To: [Gentzler, Joshua](#)
Subject: Response to LVCO SUP Comments & Building Permit
Attachments: LVCO SUP Comments - TNT Baseball Academy.pdf; LVCO Building Permit.pdf

Notice: This email originated from outside this organization. Do not click on links or open attachments unless you trust the sender and know the content is safe.

> Hi Joshua, please see attached. Best, Trent
>

RESOLUTION 2021-22

A resolution of the Leavenworth County Kansas Board of County Commission, issuing a Special Use Permit for an Athletic Training Facility – TNT Baseball on the following described property:

A tract of land in the Northwest Quarter of Section 32, Township 10 South, Range 22 East of the 6th P.M, in Leavenworth County, Kansas. Also known as 19897 178th Street, Tonganoxie.

WHEREAS, it is hereby found and determined that a request for a Special Use Permit as described above was filed with the Secretary of the Leavenworth County Planning Commission, on the 25th day of February, 2021, and

WHEREAS, it is hereby found that the Leavenworth County Planning Commission, after notice as required by law, did conduct a public hearing upon the granting of such request for a Special Use Permit on the 9th day of June, 2021; and

WHEREAS, it is hereby found that the Leavenworth County Planning Commission, based upon specific findings of fact incorporated by reference herein, did recommend that the Special Use Permit be approved, subject to special conditions as set forth; and

WHEREAS, the Board of County Commission considered, in session on the 30th day of June, 2021, the recommendation of the Leavenworth County Planning Commission.

NOW, THEREFORE, BE IT RESOLVED by the Board of County Commission of Leavenworth County, Kansas, that:

1. Based upon the recommendation and findings of fact of the Leavenworth County Planning Commission; and,
2. Based upon the findings of fact adopted by the Board of County Commission in regular session on the 30th day of June, 2021, and incorporated herein by reference;

That Case No. DEV-21-022, Special Use Permit for an Athletic Training Facility – TNT Baseball approved subject to the following conditions:

1. The SUP shall be limited to a period of five (5) years.
2. The business shall be limited to the hours of 4 PM to 8 PM, Monday through Friday, and 9 AM to 6 PM on Saturday and Sunday.
3. The SUP shall be limited to no employees other than family.
4. An engineered septic system and water supply shall be required for the business.
5. Any modifications to the building and/or parking area shall meet or exceed the Floodplain Regulations. All appropriate permits shall be obtained prior to modifications of the building and parking area.
6. The applicant shall adhere to the following memorandums:
 - a. Chuck Magaha – Emergency Management, March 18, 2021
 - b. Mark Billquist – Stranger Township Fire District, March 17, 2021
7. No signage is allowed in the right-of-way. No signage is requested with the SUP. All signage

shall comply with Article 25, Sign Regulations of the Leavenworth County Zoning and Subdivision Regulations.

8. No on-street parking shall be allowed.
9. This SUP shall be limited to the Narrative dated February 25, 2021 submitted with this application.
10. This SUP shall comply with all local, state, and federal rules and regulations that may be applicable. After approval of this SUP by the Board of County Commission all conditions listed shall be adhered to and copies shall be provided to the Planning and Zoning Department within 30 days.

Located in Section 32, Township 10 South, Range 22 East, also known as 19897 178th Street, parcel no. 159-32-0-00-00-018.01 in Leavenworth County, Kansas.

Adopted this 1st day of May, 2021
Board of County Commission
Leavenworth, County, Kansas

Michael Smith, Chairman

ATTEST

Jeff Culbertson, Member

Janet Klasinski

Vicky Kaaz, Member

Doug Smith, Member

Mike Stieben, Member

**Leavenworth County
Request for Board Action
Resolution 2021-23
Special Use Permit for Elevated Archery**

Date: June 30, 2021
To: Board of County Commissioners
From: Planning & Zoning Staff

Department Head Review: Krystal Voth, Reviewed

Additional Reviews as needed:

Budget Review **Administrator Review** **Legal Review**

Action Requested: Approve Resolution 2021-23 a renewal of a Special Use Permit for an Archery Range and Pro Shop for Elevated Archery located on a tract of land directly adjacent to an existing substation.

Analysis: The applicant is requesting a renewal of an archery range and adding a pro shop to the special use permit. The applicant has a number of archery lanes with elevated platforms designed to simulate archery hunting. Each platform/lane has multiple targets set up to use. The business includes a pro shop and maintenance facility located within an accessory building on the property.

Staff has the following concerns regarding the approval of this Special Use Permit:

1. The applicant has expanded the business without regard to the Narrative provided in 2016.
2. The applicant never contacted Planning and Zoning with regards to any expansion to the business.
3. The applicant has added entrances to a County Collector roadway without a permit.
4. Property which was bought to be used as a buffer zone is now being used for business operations.
5. Property which was not permitted for operations are currently being used by the business.

Staff recommends denial of the special use permit.

Recommendation: The Planning Commission voted 8-0 (1 absence) to recommend approval of Case No. DEV-21-055 (Resolution 2021-23) Special Use Permit for an Archery Range and Pro Shop for Elevated Archery.

Alternatives:

1. Approve Case No. DEV-21-055 (Resolution 2021-23) Special Use Permit for an Archery Range and Pro Shop for Elevated Archery, with Findings of Fact, and with or without conditions; or
2. Deny Case No. DEV-21-055 (Resolution 2021-23) Special Use Permit for an Archery Range and Pro Shop for Elevated Archery, with Findings of Fact; or
3. Revise or Modify the Planning Commission Recommendation to Case No. DEV-21-055 (Resolution 2021-23) Special Use Permit for an Archery Range and Pro Shop for Elevated Archery, with Findings of Fact; or
4. Remand the case back to the Planning Commission.

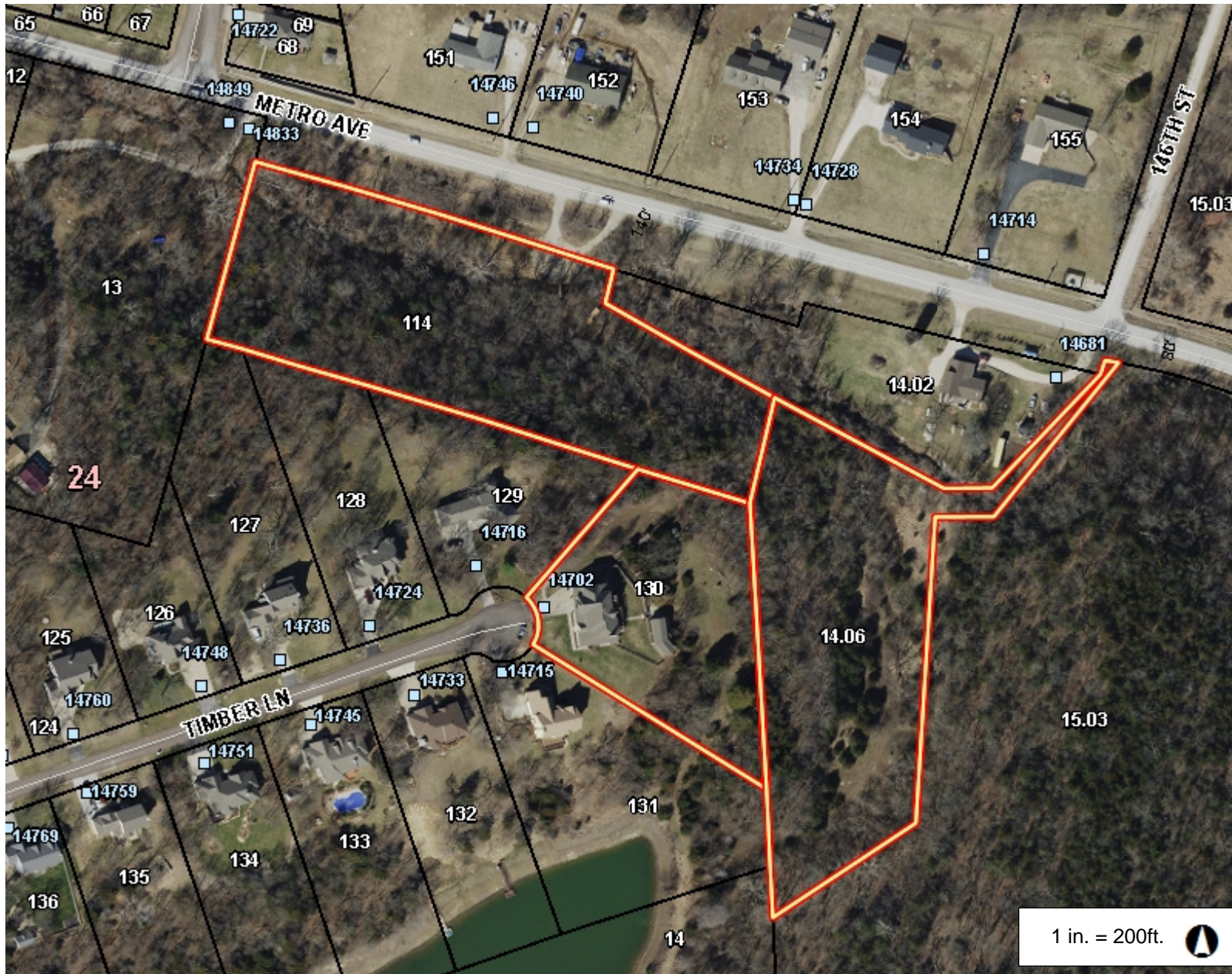
Budgetary Impact:

- Not Applicable
 Budgeted item with available funds
 Non-Budgeted item with available funds through prioritization
 Non-Budgeted item with additional funds requested

Total Amount Requested: \$0.00

Additional Attachments: Staff Report, Plat, Planning Commission Minutes

DEV-21-055 Elevated Archery



Legend

- Address Point
- Parcel Number
- Parcel
- City Limit Line
- Major Road
- <all other values>
- 70
- Road
- Railroad
- Section
- Section Boundaries
- County Boundary

Notes

This Cadastral Map is for informational purposes only. It does not purport to represent a property boundary survey of the parcels shown and shall not be used for conveyances or the establishment of property boundaries.

THIS MAP IS NOT TO BE USED FOR NAVIGATION

*****Renewal with changes*****
Resolution 2021-23
Case No. DEV-21-055
Elevated Archery
Special Use Permit – Archery Range & Pro Shop
Public Hearing Required

Staff Report – Board of County Commissioners

June 30, 2021

GENERAL INFORMATION:

**Applicant/
Property Owner:** John and Nicole Silverstein
14702 Timber Lane
Bonner Springs, KS 66012

Legal Description: Tracts of land in the Southwest Quarter of Section 24, Township 11 South, Range 22 East of the 6th P.M, in Leavenworth County, Kansas.

Location: 14702 Timber Lane, Bonner Springs, KS 66012

Parcel Size: ± 9 acres (3 parcels totaling)

Zoning/Land Use: RR-2.5, Rural Residential 2.5-acre minimum size parcels

Comprehensive Plan: This parcel is within the Residential land use category.

Parcel ID No.: 186-24-0-00-00-130.00, 186-24-0-00-00-114.00, & 186-24-0-00-00-114.00

Planner: Joshua Gentzler

REPORT:

PLANNING COMMISSION RECOMMENDATION:

The Planning Commission voted 8-0 (1 absence) to recommend approval to Case No. DEV-21-055 (Resolution 2021-23), with the following conditions:

1. The SUP shall be limited to a period of five (5) years.
2. Range usage shall be limited to daytime hours as light conditions permit safe operation.
3. The SUP shall be limited to no non-family employees.
4. The applicant shall apply for permit(s) for the entrances on Metro Ave, abide by the Access Management Policy, and move or remove the parking area or entrance(s) as required by Public Works.
5. The applicant shall adhere to the following memorandums:
 - a. Lauren Anderson – Public Works, June 2, 2021
 - b. Chuck Magaha – Emergency Management, June 2, 2021
6. No signage is allowed in the right-of-way. No signage is requested with the SUP. All signage shall comply with Article 25, Sign Regulations of the Leavenworth County Zoning and Subdivision Regulations.
7. No on-street parking shall be allowed.
8. This SUP shall be limited to the Narrative, dated April 22, 2021, submitted with this application, and the Applicant's response to Staff's comments, submitted May 15, 2021.

9. This SUP shall comply with all local, state, and federal rules and regulations that may be applicable. After approval of this SUP by the Board of County Commission all conditions listed shall be adhered to and copies shall be provided to the Planning and Zoning Department within 30 days.

Request

The applicant is requesting a Special Use Permit for an Archery Range & Pro Shop.

Adjacent Land Use

The surrounding properties are residences and farms on varying sized parcels ranging from 0.9 acres to over 3 acres in size. This property is located within the Northwoods at Timber Lakes subdivision, which is a fully developed subdivision. Properties across Metro Ave are located with Hickory Hill Timber Lakes and Fox Run Estates subdivisions.

Flood Plain

There are no Special Flood Hazard Areas on this parcel per FEMA Firm Map 20103C0333G July 16, 2015.

Utilities/Services

Sewer: Private septic system
Fire: Fairmount
Water: RWD #7
Electric: Evergy

Access/Streets

The property is accessed by Timber Lane, a County local street with a paved surface \pm 28' wide, and Metro Avenue, a County Collector with a paved surface \pm 30' wide.

Agency Comments

See attached comments – Email – Kyle Anderson – Planning and Zoning, April 26, 2021
See attached comments – Email – Lauren Anderson – Public Works, June 2, 2021
See attached comments – Email – Mitch Pleak – Olsson, June 2, 2021
See attached comments – Email – Chuck Magaha – Emergency Management, June 1, 2021
See attached comments – Email – Mike Lingenfelter – Fairmount Township Fire Department, May 4, 2021
See attached comments – Email – Jalayne Turner – Rural Water District 7, April 26, 2021
See attached comments – Email – Brittney Reed – Evergy, April 26, 2021

Factors to be considered

The following factors are to be considered by the Planning Commission and the Board of County Commission when approving or disapproving this Special Use Permit request:

1. Character of the neighborhood: The character of the neighborhood is a subdivision; primarily the Northwoods at Timber Lakes single-family neighborhoods.
2. Zoning and uses of nearby property: The surrounding properties are zoned RR-2.5, Rural Residential 2.5-acre minimum size parcels. The majority of the land use surrounding the property are residences with some agricultural uses to the north of Metro Ave. The Northwoods at Timber Lakes subdivision is a subdivision with parcels ranging from 0.5 acres to over 2.0 acres.
3. Suitability of the property for the uses to which it has been restricted: The property is within an area suited for typical suburban neighborhood uses. Northwoods at Timber Lakes is a neighborhood built in three phases with over 50 lots. The plat has been almost fully developed, with the lone parcel that is undeveloped being a parcel that was platted with access off of Metro Ave. The use is allowed only with the approval of a Special Use Permit
4. Extent to which removal of the restrictions will detrimentally affect nearby property: The increases in traffic to the house and to the unpermitted parking/entrances off of Metro Ave have had a detrimental affect on nearby property. The usage of the property has been significantly changed as the applicant has started using land which was not permitted with the original SUP and changed the focus of the business. The area will be detrimentally affected.
5. Length of time the property has been vacant as zoned: The property is not vacant.
6. Relative gain to economic development, public health, safety and welfare: The proposed use will add a small business to the neighborhood and County.
7. Conformance to the Comprehensive Plan: The Future Land Use Map indicates this area as Residential.
8. Staff recommendation is for the denial of the Special Use Permit.

LOCATION	
Adjacent Residences	Adjacent residences are suburban single-family homes. Parcels within the Northwoods at Timber Lakes neighborhood are between half-acre and 3-acre parcels, in size. Properties to the north of the subject in the Fox Run Estates and Hickory Hills Timber Lakes subdivision range in size from 0.25 acres to 6.4 acres in size, with an average size of 1.8 acres.
Adjacent Zoning/Uses	Zoning in the area is RR-2.5 and are used primarily as rural-suburban residences with scattered agricultural uses to the northeast.
Density	This quarter section has 56 dwelling units (homes) located within it.
Nearby City Limits	The city of Bonner Spring is approximately 0.6 miles to the east of the property.
Initial Growth Management Area	The property is not located within an Urban Growth Management Area.

IMPACT	
Noise Pollution	This use will not cause prolonged noise pollution.
Traffic	The use will create additional traffic when customers visit the site. The primary time that customers visit the site are on Tuesday, Wednesday, and Thursday evenings and Saturday mornings. Up to 12 customers visit the site via the parking on Metro Avenue on Tuesday through Thursday and six customers visit the site via Timber Lane each week. The access off of Metro Ave and parking lot were added without permitting the driveway with Public Works. The driveways do not meet the access management policy, are located within an area of limited access on Metro Ave, and Staff has safety concerns with these access points. The applicant will need to apply for an entrance permit to the parcel that fronts to Metro Avenue as it has not been permitted.
Lighting	The applicant does not have lighting other than security lighting and is not requesting lighting.
Outdoor Storage	The applicant equipment in an existing shed on the property.
Parking	The applicant utilizes his garage and driveway for employees/family members. The property has added an unpermitted parking lot and driveways with access to Metro Ave. The parking area has space for 15 vehicles, while the driveway has space for 4-6 vehicles.
Visitors/Employees	The employees live on-site. Customers visit the site on a regular basis. The majority of customers park off of Metro Avenue to the north of the house. The applicant estimates 30+ visitors per week during peak season (March-May and August-October).
Waste	The business generates no waste not typical with a suburban home.

SITE COMPATABILITY	
Size of Parcels	The combined size of the parcels is nine (9) acres in size.
Zoning of Parcel	The parcel is zoned Rural Residential-2.5.
Buildings (Existing & Proposed)	The applicant has a 10'x12' shed on the property and an accessory building that is used as the pro shop. Equipment for the range is stored in the shed, while maintenance and sales of equipment occurs in the accessory building.
Setbacks	Existing building meet the required setbacks.
Screening	The property is screened via natural vegetation.

History

This is the second request (first renewal) for a Special Use Permit for Elevated Archery. The original SUP was granted in July 2016 with Resolution 2016-23. The initial SUP was granted for both archery lessons and bow maintenance and the applicant reported that the business has moved away from archery lesson model to an archery league model. Planning and Zoning has received a phone complaint since the applicant applied for a renewal. The complaints centered around the expansion of the operations and the addition of entrances to the property off of Metro Ave.

Staff Comments

Elevated Archery is asking for a renewal of its archery range and bow maintenance shop, while adding a pro shop and additional parcels of land to be included in the renewal. The applicant is a certified bow technician

and instructor. The site plan provided by the applicant property shows seven (7) stands constructed and 17 targets scattered throughout the three (3) parcels which make up the Silverstein's property. The applicant has bought an additional two (2) parcels since the SUP was approved in 2016. According to the applicant, the targets are moved and interchanged on a regular/weekly basis during the fall and spring months when the business is most active. The arrangement of these stands on the property allows customers to fire down onto the targets which are set between 20 and 80 yards from the stands. All stands and targets are arranged in a way to direct projectiles away from the homes surrounding the properties.

The applicant initially applied for a SUP in 2016 for an archery range and maintenance shop. The narrative provided in 2016 requested the SUP for an archery range and maintenance shop where the applicant would teach archery lessons from his home and complete repairs, upgrades, and maintenance of customer's equipment. Since 2016, the applicant expanded both the scope and footprint of the business from the original narrative. The business now consists of a pro shop (see Figure 1), maintenance area, and an expanded archery range (see Site plan and Narrative included in application). The applicant originally submitted a request for four platforms and targets maintained all on the parcel of land where the applicant's home was built (See Figure 2).



Figure 1 Pro shop

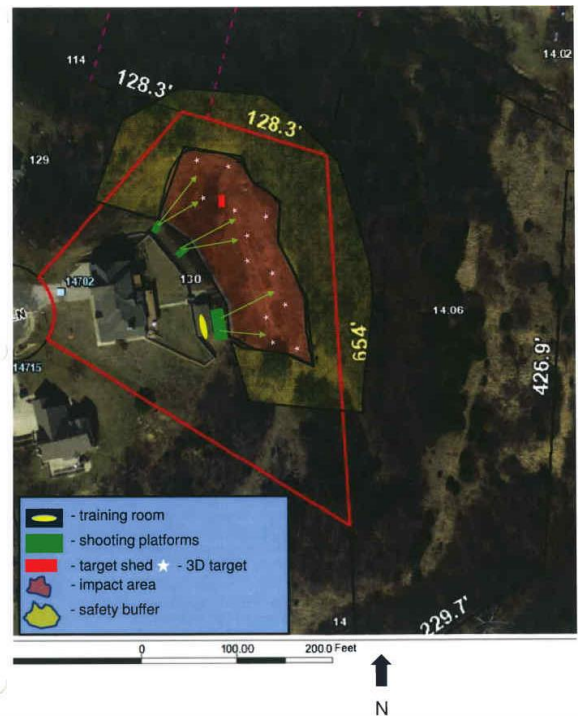


Figure 2 DEV-16-039 Site Plan

The footprint of the business was enlarged to include shooting platforms on parcels of land bought in 2016 and 2018, targets located on the applicant's two adjoining properties, and an unpermitted circle entrance and parking area located off of Metro Avenue (See Figures 3 and 4). The parcel of land labeled 14.06 in Figure 2 above was intended to be utilized as a buffer between the business operations and parcels with a residence. That parcel is not utilized by the business as a target area. In addition, the SUP was granted for one (1) parcel in 2016 and the applicant currently uses three (3) total parcels for the operation. The expansion ignores the scope of the business set by the Narrative submitted by the applicant in 2016 and now utilizes property for which the SUP was not approved.



Figure 3 East Entrance off of Metro Ave



Figure 4 West Entrance off of Metro Ave

Since 2016, the applicant has changed the focus of the business from the scope provided in the 2016 narrative from providing lessons and bow maintenance. The business now focuses on a regular archery league during the spring and fall months with lessons provided during the summer months. During March through May and August through October, the business offers three nights of an archery league, where 10-12 customers come to the site and compete on a weekly basis. The applicant added entrances and the parking area to accommodate the number of customers who participate in league nights (see submitted site plan) on the parcel which fronts on Metro Avenue, which the applicant gained ownership in 2018. These entrances and parking lot were not sanctioned by the County. The applicant continues to provide lessons on a limited basis over the summer months, scheduling usually 3-5 lessons a week based on customer interest. In addition, the applicant hosts an additional 3-5 yearly events where the business partners with local non-profit organizations to provide experience with archery in a controlled environment. The site is mainly used between 4-8PM, Monday through Friday, and 9AM to 12PM on Saturdays.

Currently there are two buildings on the property that are used for commercial purposes, a 10'x12' storage shed and an accessory building that is used as a pro shop. The applicant indicates that they will not add any buildings to the property. There is a severe weather plan in place where the applicant will shut down the range and provide shelter for customers, if necessary.

Staff has the following concerns regarding the approval of this Special Use Permit:

1. The applicant has expanded the business without regard to the Narrative provided in 2016.
2. The applicant never contacted Planning and Zoning with regards to any expansion to the business.
3. The applicant has added entrances to a County Collector roadway without a permit.
4. Property which was bought to be used as a buffer zone is now being used for business operations.
5. Property which was not permitted for operations are currently being used by the business.

STAFF RECOMMENDATION:

The staff recommends denial of Case No. DEV-21-055, Special Use Permit for Elevated Archery.

ACTION OPTIONS:

1. Approve Case No. DEV-21-055 (Resolution 2021-23) Special Use Permit for an Archery Range and Pro Shop for Elevated Archery, with Findings of Fact, and with or without conditions; or
2. Deny Case No. DEV-21-055 (Resolution 2021-23) Special Use Permit for an Archery Range and Pro Shop for Elevated Archery, with Findings of Fact; or
3. Revise or Modify the Planning Commission Recommendation to Case No. DEV-21-055 (Resolution 2021-23) Special Use Permit for an Archery Range and Pro Shop for Elevated Archery, with Findings of Fact; or
4. Remand the case back to the Planning Commission.

ATTACHMENTS:

Narrative
Location/Aerial Maps
Memorandums
Letters from the Public

From: [Anderson, Lauren](#)
Sent: Wednesday, June 2, 2021 12:51 PM
To: [Gentzler, Joshua](#); 'Mitch Pleak'
Cc: [Voth, Krystal](#); [Noll, Bill](#)
Subject: RE: DEV-21-055 Staff Review and Comments

Joshua,

Traffic counts support this being considered a minor collector with a required 200LF spacing between driveways. The applicant must file an entrance permit, like all other entrance request, so our staff can conduct the normal location review. They do have the available acreage to permit a second entrance but **it must also meet the required spacing distances**. If the applicant wishes to continue with two entrances, a second permit must be filed and crews can approve a second location driveway. Currently, their access locations are ~90ft apart.

Mitch will provide any other comments on this application later today/early tomorrow.

Lauren

From: Gentzler, Joshua <JGentzler@leavenworthcounty.gov>
Sent: Thursday, May 27, 2021 1:44 PM
To: 'Mitch Pleak' <MPleak@olsson.com>; Anderson, Lauren <LAnderson@leavenworthcounty.gov>
Subject: RE: DEV-21-055 Staff Review and Comments

In addition,

The applicants cut a circle drive onto Metro Ave (a county collector) without a permit. Aerials don't support an existing access point for that property. Which access (if any) would be allowed for PID 186-24-0-00-00-114.00 (r24698)?

Joshua Gentzler
[Planning & Zoning](#)

From: Gentzler, Joshua
Sent: Thursday, May 27, 2021 8:45 AM
To: Mitch Pleak <MPleak@olsson.com>; Anderson, Lauren <LAnderson@leavenworthcounty.gov>
Subject: FW: DEV-21-055 Staff Review and Comments

Mitch and Lauren,

Here are the answers to our questions about Elevated Archery.

Joshua Gentzler
[Planning & Zoning](#)

From: elevated archery <elevatedarchery@gmail.com>
Sent: Monday, May 24, 2021 7:31 AM
To: Gentzler, Joshua <JGentzler@leavenworthcounty.gov>
Subject: Re: DEV-21-055 Staff Review and Comments

Notice: This email originated from outside this organization. Do not click on links or open attachments unless you trust the sender and know the content is safe.

Sir,

Here are the answers to your questions.

- yes, the trips are to the Metro Ave parking area.
- currently no plans to build more platforms
- no more leagues will be added

JP

On Wed, May 19, 2021 at 16:16 Gentzler, Joshua <JGentzler@leavenworthcounty.gov> wrote:

Good afternoon Nickie,

As a follow up to your responses:

- Are the 80 and 20 trips you estimate to the parking lot on Metro Ave a per week average or a monthly average?
- Are you planning to add more stands/targets to those already constructed?
- You currently provide 3 nights of league play, will you add additional time for leagues in the next 3-7 years?

Thanks,

Joshua Gentzler

[Planning & Zoning](#)

From: elevated archery <elevatedarchery@gmail.com>

Sent: Sunday, May 16, 2021 10:46 AM

To: Gentzler, Joshua <JGentzler@leavenworthcounty.gov>

Subject: Re: DEV-21-055 Staff Review and Comments

Notice: This email originated from outside this organization. Do not click on links or open attachments unless you trust the

sender and know the content is safe.

Joshua,

Here are the answers to your questions. Please let me know that you received them.

Thank you,

Nickie Silverstein

On Tue, May 11, 2021 at 3:29 PM Gentzler, Joshua <JGentzler@leavenworthcounty.gov> wrote:



County of Leavenworth
Planning & Zoning Department
300 Walnut, Suite 212
Leavenworth, Kansas 66048
Phone: 913-684-0465

May 11, 2021

To: John and Nicole Silverstein
Elevated Archery
14702 Timber Lane
Bonner Springs, KS 66012

Re: Special Use Permit Renewal – Elevated Archery
DEV-21-055

Mr. & Mrs. Silverstein,

Staff has reviewed the application and narrative for Elevated Archery, which was submitted on April 22nd, 2021.

Upon review of your application, staff has the following comments or questions:

1. How many customers come to your house for bow maintenance, on average, each week during peak season?
2. How many customers come to your house for bow maintenance, on average, each week during non-peak season?
3. How many customers come to the business for lessons or to use the range, on average, each week during peak season?
4. How many group lessons do you lead each week, on average?
5. How many lessons do you lead on an average week, during peak season?
6. How many parking spaces have you created off of Metro Avenue?
7. Do you have plans to add any employees to the business?

In addition, the Public Works department has the following comments on your application:

- Provide generated vehicle trips to the parking lot off of Metro. A trip is defined as a single– or one-directional vehicle movement with either to or from the SUP's site. A vehicle coming to the site is one trip and the same vehicle leaving the site is a second trip.
- Trips shall include anticipated vehicles per day for each type of vehicle (passenger, trucks, types of trucks, large equipment, trailers, and loads). Trips shall include customers, staff, deliveries, or other vehicles needed for the special uses permit. In general, provide time frames per day when the detailed vehicle trips will occur.

Please provide the revisions and information indicated above by May 18th, 2021. If the revision and information is not received by then, the case will be continued and rescheduled.

If you have any questions or need additional information, please contact me at (913) 684-0465 or at JGentzler@LeavenworthCounty.Gov

Respectfully,

A handwritten signature in black ink that reads "Joshua Gentzler". The signature is written in a cursive style with a long horizontal stroke extending to the right.

Joshua Gentzler

Planner II

Planning and Zoning

Leavenworth County

From: [Mitch Pleak](#)
Sent: Monday, May 3, 2021 11:31 AM
To: [Gentzler, Joshua](#)
Cc: [Anderson, Lauren](#); [Voth, Krystal](#); [019-2831](#); [Noll, Bill](#)
Subject: RE: DEV-21-055 Special Use Permit - Elevated Archery

Notice: This email originated from outside this organization. Do not click on links or open attachments unless you trust the sender and know the content is safe.

Joshua,

Lauren and I have reviewed the application. The application states a parking area off of Metro Ave will be added. Please request the following below regarding the parking lot off of Metro so Staff can further review the application.

- Provide generated vehicle trips to the parking lot off of Metro. A trip is defined as a single- or one-directional vehicle movement with either to or from the SUP's site. A vehicle coming to the site is one trip and the same vehicle leaving the site is a second trip.
- Trips shall include anticipated vehicles per day for each type of vehicle (passenger, trucks, types of trucks, large equipment, trailers, and loads). Trips shall include customers, staff, deliveries, or other vehicles needed for the special uses permit. In general, provide time frames per day when the detailed vehicle trips will occur.

Thanks,

Mitch Pleak, PE
Project Engineer / Civil

D 913.748.2503

7301 W. 133rd Street, Suite 200
Overland Park, KS 66213
O 913.381.1170



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[View Legal Disclaimer](#)

From: Gentzler, Joshua <JGentzler@leavenworthcounty.gov>
Sent: Monday, April 26, 2021 10:11 AM
To: 'lingenfelsem@fairmountfd.org' <lingenfelsem@fairmountfd.org>; 'jalayne@leavenworthrd7.com' <jalayne@leavenworthrd7.com>; 'Tyler.rebel@evergy.com' <Tyler.rebel@evergy.com>; Anderson, Kyle <KAnderson@leavenworthcounty.gov>; Anderson, Lauren <LAnderson@leavenworthcounty.gov>; Magaha, Chuck <CMagaha@leavenworthcounty.gov>; Miller, Jamie <JMiller@leavenworthcounty.gov>; Mitch Pleak <mpleak@olsson.com>; Thorne, Eric <ethorne@leavenworthcounty.gov>; Van Parys, David

<DVanParys@leavenworthcounty.gov>

Subject: DEV-21-055 Special Use Permit - Elevated Archery

The Department of Planning and Zoning has received an application for the renewal of a Special Use Permit for a Gun Clubs, Skeet Shoot, Target Range, Private Club.

The Planning Staff would appreciate your written input in consideration of the above request.

Please review the attached information and forward any comments to us by Tuesday, May 4th.

If you have any questions or need additional information, please contact me at (913) 684-0464 or at jgentzler@LeavenworthCounty.Gov.

Thank you,

Joshua Gentzler

Planner II

[Planning & Zoning](#)

Leavenworth County

913.684.0464



Leavenworth County
Planning & Zoning Department
300 Walnut, Suite 212
Leavenworth, Kansas 66048

To: Krystal Voth
Director

From: Kyle Anderson
Environmental Tech/Code Enforcement

Date: April 26, 2021

RE: John & Nicole Silverstein
Case DEV-21-055, Special Use Permit Renewal
147020 Timber Ln
Bonner Springs, KS 66012
PID# 186-24-0-00-00-130.00

Our department received a Special Use Permit renewal application for the archery range located at the above listed location. We have not received any complaints on this property.

Thank you,

Kyle Anderson
kanderson@leavenworthcounty.gov

From: [Magaha, Chuck](#)
Sent: Tuesday, June 1, 2021 5:22 PM
To: [Gentzler, Joshua](#)
Subject: RE: DEV-21-055 Special Use Permit - Elevated Archery

I sent that up no changes from last time he applied

Sent via the Samsung Galaxy S9, an AT&T 5G Evolution capable smartphone

----- Original message -----

From: "Gentzler, Joshua" <JGentzler@leavenworthcounty.gov>
Date: 6/1/21 16:21 (GMT-06:00)
To: "Magaha, Chuck" <CMagaha@leavenworthcounty.gov>
Subject: RE: DEV-21-055 Special Use Permit - Elevated Archery

Chuck,

Did you have a memo you want to attach to the file for this Special Use Permit?

Joshua Gentzler

[Planning & Zoning](#)

From: Gentzler, Joshua

Sent: Monday, April 26, 2021 10:11 AM

To: 'lingenfelserm@fairmountfd.org' <lingenfelserm@fairmountfd.org>; 'jalayne@leavenworthrd7.com' <jalayne@leavenworthrd7.com>; 'Tyler.rebel@evergy.com' <Tyler.rebel@evergy.com>; Anderson, Kyle <KAnderson@leavenworthcounty.gov>; Anderson, Lauren <LAnderson@leavenworthcounty.gov>; Magaha, Chuck <CMagaha@leavenworthcounty.gov>; Miller, Jamie <JMiller@leavenworthcounty.gov>; Mitch Pleak <MPleak@olsson.com>; Thorne, Eric <ethorne@leavenworthcounty.gov>; Van Parys, David <DVanParys@leavenworthcounty.gov>

Subject: DEV-21-055 Special Use Permit - Elevated Archery

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Please review the attached information and forward any comments to us by Tuesday, May 4th.

If you have any questions or need additional information, please contact me at (913) 684-0464 or at Jgentzler@LeavenworthCounty.Gov.

Thank you,

Joshua Gentzler

Planner II

[Planning & Zoning](#)

Leavenworth County

913.684.0464

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To: [Gentzler, Joshua](#)
Subject: RE: DEV-21-055 Special Use Permit - Elevated Archery

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Sent via the Samsung Galaxy S9, an AT&T 5G Evolution capable smartphone

----- Original message -----

From: "Gentzler, Joshua" <JGentzler@leavenworthcounty.gov>
Date: 6/1/21 16:21 (GMT-06:00)
To: "Magaha, Chuck" <CMagaha@leavenworthcounty.gov>
Subject: RE: DEV-21-055 Special Use Permit - Elevated Archery

Chuck,

Did you have a memo you want to attach to the file for this Special Use Permit?

Joshua Gentzler

[Planning & Zoning](#)

From: Gentzler, Joshua

Sent: Monday, April 26, 2021 10:11 AM

To: 'lingenfelserm@fairmountfd.org' <lingenfelserm@fairmountfd.org>; 'jalayne@leavenworthrwd7.com' <jalayne@leavenworthrwd7.com>; 'Tyler.rebel@evergy.com' <Tyler.rebel@evergy.com>; Anderson, Kyle <KAnderson@leavenworthcounty.gov>; Anderson, Lauren <LAnderson@leavenworthcounty.gov>; Magaha, Chuck <CMagaha@leavenworthcounty.gov>; Miller, Jamie <JMiller@leavenworthcounty.gov>; Mitch Pleak <MPleak@olsson.com>; Thorne, Eric <ethorne@leavenworthcounty.gov>; Van Parys, David <DVanParys@leavenworthcounty.gov>

Subject: DEV-21-055 Special Use Permit - Elevated Archery

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The Planning Staff would appreciate your written input in consideration of the above request.

Please review the attached information and forward any comments to us by Tuesday, May 4th.

If you have any questions or need additional information, please contact me at (913) 684-0464 or at Jgentzler@LeavenworthCounty.Gov.

Thank you,

Joshua Gentzler

Planner II

[Planning & Zoning](#)

Leavenworth County

913.684.0464

From: [jalayne leavenworthrd7.com](mailto:jalayne.leavenworthrd7.com)
Sent: Monday, April 26, 2021 10:51 AM
To: [Gentzler, Joshua](mailto:Gentzler,Joshua)
Subject: RE: DEV-21-055 Special Use Permit - Elevated Archery

Notice: This email originated from outside this organization. Do not click on links or open attachments unless you trust the sender and know the content is safe.

LVRWD#7 has no issues with the renewal of the permit.

David Rinaldi – General manager

Jalayne Turner

Office Manager

LVRWD#7

2451 S. 142nd St.

P O Box 257

Bonner Springs, KS 66012

913-441-1205 Office

jalayne@leavenworthrd7.com email

www.lvrwd7.com website

From: Gentzler, Joshua <JGentzler@leavenworthcounty.gov>
Sent: Monday, April 26, 2021 10:11 AM
To: 'lingenfelsem@fairmountfd.org' <lingenfelsem@fairmountfd.org>; jalayne leavenworthrd7.com <jalayne@leavenworthrd7.com>; 'Tyler.rebel@evergy.com' <Tyler.rebel@evergy.com>; Anderson, Kyle <KAnderson@leavenworthcounty.gov>; Anderson, Lauren <LAnderson@leavenworthcounty.gov>; Magaha, Chuck <CMagaha@leavenworthcounty.gov>; Miller, Jamie <JMiller@leavenworthcounty.gov>; Mitch Pleak <MPleak@olsson.com>; Thorne, Eric <ethorne@leavenworthcounty.gov>; Van Parys, David <DVanParys@leavenworthcounty.gov>
Subject: DEV-21-055 Special Use Permit - Elevated Archery

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The Planning Staff would appreciate your written input in consideration of the above request. Please review the attached information and forward any comments to us by Tuesday, May 4th.

If you have any questions or need additional information, please contact me at (913) 684-0464 or at Jgentzler@LeavenworthCounty.Gov.

Thank you,

Joshua Gentzler
Planner II
[Planning & Zoning](#)
Leavenworth County
913.684.0464

Gentzler, Joshua

From: Mike Lingenfelser <lingenfelserm@fairmountfd.org>
Sent: Tuesday, May 4, 2021 9:30 AM
To: Gentzler, Joshua
Subject: Re: DEV-21-055 Special Use Permit - Elevated Archery

Notice: This email originated from outside this organization. Do not click on links or open attachments unless you trust the sender and know the content is safe.

Joshua

Fairmount Township Fire Department is satisfied with the special use permit.

Mike Lingenfelser, Fire Chief

Fairmount Township Fire Department

2624 N 155th St

Basehor, Kansas 66007

Work-[913-724-4911](tel:913-724-4911)

Cell [913-306-0258](tel:913-306-0258)

On Mon, Apr 26, 2021 at 3:32 PM Gentzler, Joshua <JGentzler@leavenworthcounty.gov> wrote:

All,

Please review this updated application with a complete narrative and deed paperwork.

Thank you,

Joshua Gentzler

[Planning & Zoning](#)

From: Gentzler, Joshua
Sent: Monday, April 26, 2021 10:11 AM
To: 'lingenfelserm@fairmountfd.org' <lingenfelserm@fairmountfd.org>; 'jalayne@leavenworthrwd7.com' <jalayne@leavenworthrwd7.com>; 'Tyler.rebel@evergy.com' <Tyler.rebel@evergy.com>; Anderson, Kyle <KAnderson@leavenworthcounty.gov>; Anderson, Lauren <LAnderson@leavenworthcounty.gov>; Magaha, Chuck <CMagaha@leavenworthcounty.gov>; Miller, Jamie <JMiller@leavenworthcounty.gov>; Mitch Pleak <MPleak@olsson.com>; Thorne, Eric <ethorne@leavenworthcounty.gov>; Van Parys, David <DVanParys@leavenworthcounty.gov>
Subject: DEV-21-055 Special Use Permit - Elevated Archery

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The Planning Staff would appreciate your written input in consideration of the above request. Please review the attached information and forward any comments to us by Tuesday, May 4th.

If you have any questions or need additional information, please contact me at (913) 684-0464 or at Jgentzler@LeavenworthCounty.Gov.

Thank you,

Joshua Gentzler

Planner II

[Planning & Zoning](#)

Leavenworth County

913.684.0464

Timberlakes Home Association

PO Box 67
Bonner Springs, KS 66012
timberlakeshoa.ks@gmail.com

MAY 28 2021

May 24th, 2021

Leavenworth County Planning and Zoning Department

300 Walnut Street, Suite 212
Leavenworth, KS 66048

Re. Special Use Permit DEV-21-055

The address located at 14702 Timber Lane Bonner Springs, KS 66012 has submitted a Special Use Permit Application seeking approval to continue to operate the archery range and pro shop which resides on the property. Timberlakes HOA approved this business to operate within the subdivision on March 26th, 2016 followed by LVCO approval July 13th, 2016 DEV-16-039.

Since beginning operations in 2016, this business remains in good standing with the HOA. Additionally, this business has enhanced its safety measures by adding a parking lot off of Metropolitan Avenue which allows customers to park on the same property as the business without driving through, and increasing vehicle traffic within the subdivision. The business operates in a manner which respects the subdivision, homes and residents in which it operates in and around.

Timberlakes HOA stands by its original support and approval for this business to operate, dated 3/26/2016.

Please email the HOA, at the email address above, with any questions or concerns regarding this letter.

Sincerely,

Timberlakes HOA

Cody Annis - President



I, Russell Klepees am writing this letter to show my support for JP Silverstein and Elevated Archery (EA). I was going to speak in person on JP's behalf but I will be out of town and unable to attend.

I have worked for the Leavenworth County Sheriff's office for 8 years. In my time as a Deputy I have spent hundreds of hours on a firearms range. That includes ranges ran by the FBI, the Heartland Tactical Officers Association (SWAT) and local Law enforcement agencies.

I have been a member of Elevated Archery spring and fall leagues for the past two years. I have had the time to get to know JP and the way he runs the range. JP goes above and beyond in all safety matters that includes the range, range house, platforms, targets, and everyone's equipment (bows, arrows and releases) that shoots there.

JP is the type of business owner that Leavenworth County should be proud to have. He has customers that come from other states that drive by other archery businesses to conduct business in LVCO. Elevated Archery is a wonderful family oriented business. I have personally taken both of my children with me to EA and felt very comfortable.

I believe that it would be a great lose for Leavenworth County if Elevated Archery wasn't allowed to continue down the path JP has worked so hard to start.

In closing I would like to ask all parties involved to allow Elevated Archery to continue its great business plan for Leavenworth County.

Thanks
Russell Klepees

A handwritten signature in cursive script, appearing to read "Russell Klepees", with a long horizontal flourish extending to the right.

SPECIAL USE PERMIT APPLICATION

Leavenworth County Planning Department
300 Walnut, St., Suite 212
County Courthouse
Leavenworth, Kansas 66048
913-684-0465

Office Use Only
PID: _____ Date Received: 4/22/21
Township _____
Planning Commission Date: _____
Case No. _____ Date Paid 4/22/21 CAF 1045
Zoning District _____
Comprehensive Plan land use designation _____

APPLICANT/AGENT INFORMATION	OWNER INFORMATION (If different)
NAME <u>John and Nicole Silverstein</u>	NAME _____
ADDRESS <u>14702 Timber Lane</u>	ADDRESS _____
CITY/ST/ZIP <u>Bonner Springs</u> <u>KS 66012</u>	CITY/ST/ZIP _____
PHONE <u>785-341-1700</u>	PHONE _____
EMAIL <u>elevatedarchery@gmail.com</u>	EMAIL _____
CONTACT PERSON <u>John JPW</u>	CONTACT PERSON _____

PROPOSED USE INFORMATION

Existing and Proposed structures Pro shop

Reason for requesting a Special Use Permit want to continue operating our archery business that we have been running since July 2016.

PROPERTY INFORMATION

Address of property 14702 Timber Lane, 66012 Parcel size Total: 9.03
1.95 + 3.17
+ 3.91

Current use of the property archery range and pro shop

Does the owner live on the property? yes

Does the applicant own property in states or counties other than Kansas and Leavenworth County? no

I, the undersigned am the (circle one) owner, duly authorized agent, of the aforementioned property situated in the unincorporated portion of Leavenworth County, Kansas. By execution of my signature, I do hereby officially apply for a Special Use Permit as indicated above. I hereby agree to "cease and desist" the operation of the activity upon denial of the permit by the Board of County Commissioners.

Signature msilverstein Date 4/18/21

ATTACHMENT A

Special Use Permit Request
14702 Timber Lane
Bonner Springs, KS 66012

The purpose of this narrative is to request the continuation of our Special Use Permit for our residence at 14702 Timber Lane and our adjoining North and East parcels in Bonner Springs. For the past five years we have been and want to continue operating our bow maintenance shop, archery lessons and 3D target range.

These activities are conducted on the east portion our house property and the adjoining property to the East and North of our home.

Business is conducted by appointment only. Business hours are typically from 10am until sunset, six days a week during peak season. Peak season is March through October. During non-peak season, the shop continues to operate by appointment only, on average three days a week and the range is closed due to weather.

We will continue to do community outreach work with The Fallen Outdoors and donations to Basehor Linwood Assistance Services and Leavenworth County Child Abuse Prevention Council.

JP Silverstein, owner of the residence, will continue to be the sole instructor, bow technician (Tab 5.1) and range safety officer. He has been a staff shooter for High Country Archery and Easton/Beman Arrows, and archery instructor at the Bonner Springs YMCA. He is currently a field tester for Bucks n Does HSE, staff shooter for America's Best Bowstrings, Victory Archery, Black Gold Bow Sights and a certified bow technician. JP is a retired United States Army Colonel with 27-years of service and has countless experience running, overseeing and shooting on a range. He will use all of his training and experience to ensure a safe learning environment.

Two years ago we sought out and purchased a four acre parcel of land to the North of our home's property for the purpose of creating a parking space to reduce customer traffic driving through our neighborhood. Customers that come for lessons or to shoot our range park in the parking space off of Metro Avenue. They will get to that space via Metro Ave either from the West or East. Customers coming for a bow maintenance appointment continue to park in our driveway or directly in front of our house. Traffic coming to our house will come in and out through one of Timberlake's two entrances. We average one customer car a day and one delivery per week to our home.

Our property is tiered on three different levels. This layout has proved to be an ideal location for an archery range. The shooting platforms are located on the

second and third tier (Tab 1.2). The targets are located on the third tier, below the platforms. This angled shooting will allow for missed target shots to stick into the ground around the target (Tab 4). If the arrow misses the target and continues to move through the air there is land to serve as a safety buffer. The Archery Trade Association recommends 25 yards to the sides and beyond the targets (Tab 5.2). There is at least 50 yards of wooded safety buffer surrounding our targets (Tab 1.2).

All shooters receive a safety briefing explaining procedures for shooting and conduct on the range. This includes the process of unhooking the yellow safety chain from the platform, clipping into the stand with their safety harness, signal that the range is clear and signals given when they can go retrieve their arrows from the target area.

Equipment for the range, which includes 3D targets and stands are stored in a locked 10'x12' shed located on our property. There will be no need for further security for the equipment.

Our business will not cause any additional noise or disruption to the neighborhood. We will not conduct night shooting so there is no need for any lighting.

An emergency contact, evacuation map and procedures diagram is displayed inside the shop.

In the event of severe weather, the range will immediately be closed in enough time to allow the customer to return home. In the case of an immediate situation the customer will utilize our personal storm shelter in our house. Weather will be monitored via a NOAA weather radio and television. The weather radio is located in the shop.

Our operation does not pose a fire hazard but we do have two fire extinguishers on site. One in the pro shop and the other located in the storage shed.

In the case of a medical emergency, we will call 911. While waiting for first responders to arrive we will perform necessary first aid and care. A first aid kit is located in the pro shop for minor injuries.

We have the County required one-million-dollar insurance policy. Our Kansas and Leavenworth County sales tax is currently average \$1,000 per quarter.

We submitted a similar request to our Home Owners Association and it was approved (Tab 5.3). We would like to request this Special Use Permit be issued for the maximum time allowed.

Doc #: 2013R04096
STACY R. DRISCOLL
REGISTER OF DEEDS
LEAVENWORTH COUNTY
RECORDED ON
05/01/2013 02:39PM
RECORDING FEE: \$12.00

Entered in the transfer record in my office this
day of May 13
Jane K. Lawrence
by [Signature] County Clerk

INDEBTEDNESS: 0
PAGES: 2

0000338

TX0005094
Kansas Secured Title
866 North Star Ct.
Tonganoxie, KS 66086

GENERAL WARRANTY DEED
Joint Tenancy
(Statutory)

Jim Breckon aka James C. Breckon and Edie Stevens-Breckon, husband and wife
convey and warrant to

John P. Silverstein and Nicole M. Silverstein, husband and wife,

as joint tenants with the right of survivorship and not as tenants in common,

all the following REAL ESTATE in the County of LEAVENWORTH, and the State of Kansas,
to-wit:

**Lot 15, "NORTHWOODS AT TIMBER LAKES", according to the recorded plat
thereof, in Leavenworth County, Kansas.**

for the sum of one dollar and other good and valuable consideration.

EXCEPT AND SUBJECT TO: Easements, restrictions and assessments of record, and
all the taxes and assessments that may be levied, imposed or become payable
hereafter.

Dated this 27th day of April, 2013.

Jim Breckon
Jim Breckon

Edie Stevens-Breckon
Edie Stevens-Breckon

STATE OF MISSOURI, BENTON COUNTY:

The foregoing instrument executed was acknowledged before me this 27th day of April, 2013, by Jim Breckon and Edie Stevens-Breckon, husband and wife.

JOHN ROBERT VOGEL
Notary Public-Notary Seal
STATE OF MISSOURI
Benton County
My Commission Expires: 5-29-2016
Commission # 12629515

John Robert Vogel
Notary Public

My appointment expires: 5-29-2016

KANSAS WARRANTY DEED

On this 14th day of June, 2016

Brad C Parker & Dorothy M. Parker

("Grantor(s)") CONVEY(S) AND WARRANT(S) to

John Silverstein & Nicole Silverstein

14701
Timber Ln
Bonner Springs

KS 66012

("Grantee(s)") all of the following-described real estate in

Leavenworth County, Kansas:

TAXING UNIT GROUP : 070

SUBDIVISION:

LOT: THROUGH:

BLOCK:

SEC - TWP - RNG: 24 — 11 — 22E

LEGAL: S24, T11, R22E, ACRES 3.17, TRCT BEG 1760'E & 221.05'N SW COR SW1/4; NELY229.17', N426.9', E74.7', NLY243.23', W30'(S), SLY 230'(S), W55', NWLY 240'(S), SLY150', S TO POB LESS ROW



* 2 0 1 6 R 0 5 3 6 8 1 *

Doc #: 2016R05368

STACY R. DRISCOLL/REGISTER OF DEEDS
LEAVENWORTH COUNTY

RECORDED ON

06/28/2016 10:29AM

RECORDING FEE: 15.00

INDEBTEDNESS: 0.00

PAGES: 1

PROPERTY ADDRESS:

00000 METRO AVE

Bonner Springs KS

PARCEL NUMBER: 052-186-24-0-00-00-014.06-0

QUICK REF ID: R24680

for the sum of \$12,750.00

SUBJECT TO:



TODD C HOLLAND
Notary Public
State of Kansas
My Commission Expires 9-21-19

Dorothy M. Parker

Brad C Parker

Dorothy M. Parker
Printed Name:

Brad C. Parker
Printed Name:

STATE OF Kansas

)

Reserved for Register of Deeds

COUNTY OF Johnson

) SS.

This Instrument was acknowledged before me on

06, 14, 2016, by appeared

Todd C. Holland
(SEAL)

Todd C. Holland
Printed Name:
Notary Public

My Appointment Expires: 9-21-19

Pursuant to K.S.A. 79-1437e, a real estate validation questionnaire is not required due to Exception No. (complete if applicable).

Doc #: 2018R06712
STACY R. DRISCOLL
REGISTER OF DEEDS
LEAVENWORTH COUNTY, KANSAS
RECORDED ON:
08/16/2018 08:00:31 AM
RECORDING FEE: 38.00
PAGES: 2

Continental Title: 18322662

CORPORATION WARRANTY DEED
(Kansas Form for Corporations)

THIS INDENTURE, made this 11th day of August, 2018 between Majestic Development, Inc., a corporation duly organized, incorporated and existing under and by virtue of the laws of the State of Kansas and having its principal place of business at 16506 148th, Bonner Springs, KS 66012 in the State of Kansas, party of the first part and, John P Silverstein and Nicole M Silverstein, husband and wife, as joint tenants with rights of survivorship, of Leavenworth County, in the State of Kansas, in consideration of the sum of TEN DOLLARS AND OTHER VALUABLE CONSIDERATIONS, the receipt whereof is hereby acknowledged, does by these presents, grant, bargain, sell and convey unto said parties of the second part, their successor and assigns all of the following described real estate, situated in the County of Leavenworth and State of Kansas; to-wit:

Legal Description: Lots 43, 44, 45, 46, 47 and 48, NORTHWOODS AT TIMBER LAKES, a subdivision in Leavenworth County, Kansas, according to the recorded plat thereof;

EXCEPT that part of Lots 47 and 48 included in the property conveyed by the Warranty Deed in Book 704 at Page 774, described as follows:

A part of the Southwest 1/4 of Section 24, Township 11 South, Range 22 East, more particularly described as follows: Beginning at the intersection of Parish Road and Metropolitan Avenue (the bearing of Metropolitan being North 72 degrees 17 minutes 56 seconds West; thence South 35 degrees 16 minutes 59 seconds West 216.30 feet to a point; thence South 74 degrees 16 minutes 44 seconds West 55.10 feet to a point; thence North 61 degrees 08 minutes 04 seconds West 498.10 feet to a point; thence North 17 degrees 42 minutes 04 seconds East 140.10 feet to the centerline of Metropolitan Avenue; thence South 72 degrees 17 minutes 56 seconds East 600.00 feet to the point of beginning, which includes a portion of Lots 47 and 48 in Northwoods at Timber Lakes, less that part taken or used for road purposes, in Leavenworth County, Kansas.

Note: Subject to easements, reservations, restrictions, and covenants, if any, of record.

TO HAVE AND TO HOLD THE SAME, together with all and singular the tenements, hereditaments and appurtenances thereunto belonging or in any wise appertaining forever.

And said party of the first part, for itself, and its successors and assigns, does hereby covenant, promise and agree, to and with said party(ies) of the second part, that at the delivery of these presents, it is lawfully seized in its own right of an absolute and indefeasible estate of inheritance, in fee simple, of and

in all and singular the above granted and described premises, with the appurtenances; that the same are free, clear, discharged and unencumbered of and from all former and other grants, titles, charges, estates, judgments, taxes, assessments and encumbrances, of what nature and kind so ever, and that it will WARRANT and FOREVER DEFEND the same unto said party(ies) of the second part, his/her/their heirs and assigns, and all and every person or persons whomsoever, lawfully claiming or to claim the same.

IN WITNESS WHEREOF, said party of the first part has hereunto caused this Deed to be signed on its behalf by its President, thereunto duly authorized so to do, and to be attested by its President, Ruby L. Price, the day and year last above written.

Majestic Development Inc.

By: Ruby L. Price
Ruby L. Price, President

Notary Acknowledgment

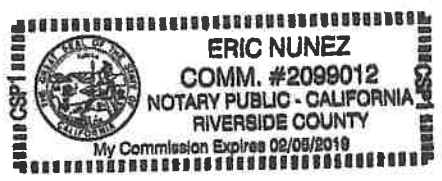
State of California }
County of Riverside } ss.

On this 11th day of August, 2018, before me, the undersigned, a Notary Public in and for said county and state, Personally appeared Ruby L. Price, to me personally, who being by me duly sworn did say that he is the President of the Majestic Development Inc. in the foregoing deed and said deed was signed in behalf of said Corporation by authority of its Board of Directors and said acknowledged said deed to be the free act and deed of said corporation.

IN TESTIMONY WHEREOF, I have hereunto set my hand and affixed my official seal in the County and State aforesaid, the day and year first above written.

My term expires: 02/05/2019

Notary Public: Eric Nunez





Laura Kelly, Governor
Mark A. Burghart, Secretary

www.ksrevenue.org

CERTIFICATE OF TAX CLEARANCE

elevated archery

ISSUE DATE

04/20/2021

TRANSACTION ID

TKX6-JK6X-RXY8

CONFIRMATION NUMBER

C4YS-25GT-Y4AK

TAX CLEARANCE VALID THROUGH 07/19/2021

*Verification of this certificate can be obtained on our website, www.ksrevenue.org,
or by calling the Kansas Department of Revenue at 785-296-3199*



Renewal

Commercial General Liability Coverage Declarations

Customer Number: 1000074415
Policy Number: A186124 04

Policy Period: 08/15/2020 to 08/15/2021
at 12:01 AM Standard Time at Your Mailing Address Shown Below

Named Insured and Address:
Elevated Archery, LLC
14702 Timber Ln
Bonner Springs, KS 66012-9370

Agency Name and Address:
THE REILLY COMPANY
PO BOX 9
LEAVENWORTH, KS 66048
913-682-1234

15705

Insured is a(n) Limited Liability Company

Limits of Insurance

General Aggregate Limit (other than Products/Completed Operations)	\$2,000,000
Products/Completed Operations Aggregate Limit	\$2,000,000
Each Occurrence Limit	\$1,000,000
Personal and Advertising Injury Liability Limit	\$1,000,000
Damage to Premises Rented to You Limit	\$100,000
Medical Expense Limit, Any One Person	Excluded

See attached Forms Schedule for forms and endorsements applicable to this coverage.

Archery Technical Certification School

Certify to all that

JP Silverstein

Has fulfilled the requirements of

The George Chapman Technical Certification School

And is hereby qualified as a Certified Compound Bow Technician

On this date: 2/1/2016----- 2/3/2016

Instructor Steve Van Gile
Steve Van Gile



Professional Tournament Groups and Their Basic Requirements

	MAXIMUM DISTANCE	MINIMUM # OF TARGETS	TARGET TYPE
OUTDOOR			
ASA	known & unknown distances out to 45 yards	20-30*	3D
IBO	unmarked distances out to 50 yards	30	3D
NFAA	80 yards	14 (a 28-target course, but 14 targets can be shot twice)	field & 2D
USA Archery Field	60 meters	24	field
USA Archery FITA	70 & 90 meters	space available	target
INDOOR			
NFAA	20 yards	space available	target
USA Archery	18 meters	space available	target

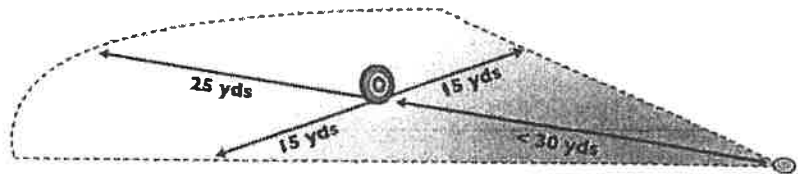
* State Qualifiers are 20 targets and State Championships are 30 (may use 15 twice for a State Championship)

↑ For more information about starting a tournament, visit [ASA](#), [IBO](#), [NFAA](#) and [USA Archery](#).

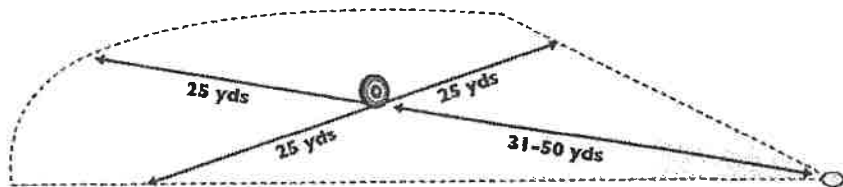
6. What can I do to manage risk/liability?

Using space as a safety buffer

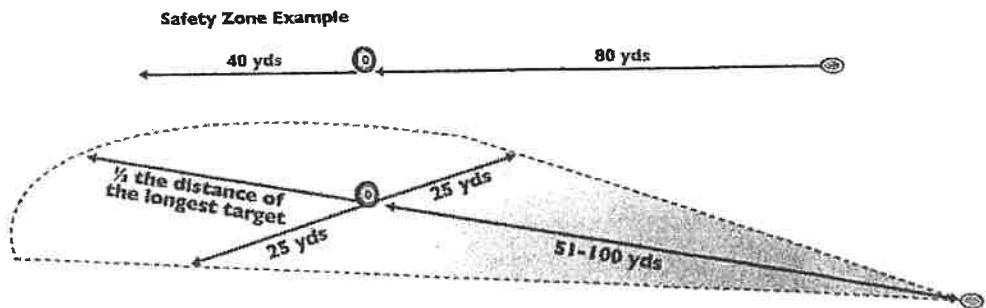
- For targets at distances less than 30 yards: Use a 15-yard safety buffer to the side and 25 yards beyond the targets.



- For shooting from 31 to 50 yards: Use a 25-yard safety buffer to the side and beyond the targets.



- For shooting distances longer than 50 yards: Use a 25-yard safety buffer to the side. Beyond the targets use a buffer that is half the distance of the longest target (for example: if the target is placed at 80 yards, the safety buffer should be 40 yards).



Timberlakes Homes Association

P.O. Box 67

Bonner Springs, KS 66012

March 26, 2016

JP and Nickie Silverstein


14702 Timber Lane

Bonner Springs, KS 66012

The Board of Timberlakes Homes Association is happy to approve your plans for the shed and archery instruction and bow repair on your property. If you have any other questions or concerns or if your insurance company needs any information from us please let us know.

Sincerely,

Timberlakes Homes Association


M. RORY MUNNIS



County of Leavenworth
Planning & Zoning Department
300 Walnut, Suite 212
Leavenworth, Kansas 66048
Phone: 913-684-0465

May 11, 2021

To: John and Nicole Silverstein
Elevated Archery
14702 Timber Lane
Bonner Springs, KS 66012

Re: Special Use Permit Renewal – Elevated Archery
DEV-21-055

Mr. & Mrs. Silverstein,

Staff has reviewed the application and narrative for Elevated Archery, which was submitted on April 22nd, 2021.

Upon review of your application, staff has the following comments or questions:

1. How many customers come to your house for bow maintenance, on average, each week during peak season?
2. How many customers come to your house for bow maintenance, on average, each week during non-peak season?
3. How many customers come to the business for lessons or to use the range, on average, each week during peak season?
4. How many group lessons do you lead each week, on average?
5. How many lessons do you lead on an average week, during peak season?
6. How many parking spaces have you created off of Metro Avenue?
7. Do you have plans to add any employees to the business?

In addition, the Public Works department has the following comments on your application:

- Provide generated vehicle trips to the parking lot off of Metro. A trip is defined as a single– or one-directional vehicle movement with either to or from the SUP's site. A vehicle coming to the site is one trip and the same vehicle leaving the site is a second trip.
- Trips shall include anticipated vehicles per day for each type of vehicle (passenger, trucks, types of trucks, large equipment, trailers, and loads). Trips shall include customers, staff, deliveries, or other vehicles needed for the special uses permit. In general, provide time frames per day when the detailed vehicle trips will occur.

Please provide the revisions and information indicated above by May 18th, 2021. If the revision and information is not received by then, the case will be continued and rescheduled.

If you have any questions or need additional information, please contact me at (913) 684-0465 or at JGentzler@LeavenworthCounty.Gov

Respectfully,

A handwritten signature in black ink that reads "Joshua Gentzler". The signature is written in a cursive style with a long horizontal stroke extending to the right.

Joshua Gentzler

Planner II

Planning and Zoning

Leavenworth County

Special Use Permit Request
14702 Timber Lane
Bonner Springs, KS 66012

This is an addition to our narrative, answering the additional questions from the county.

1. How many customers come to your house for bow maintenance, on average, each week during peak season? Six
 2. How many customers come to your house for bow maintenance, on average, each week during non-peak season? One
 3. How many customers come to the business for lessons or to use the range, on average, each week during peak season?
 - a. Mid-March through Mid-May and Mid-August through Mid-October we have an archery league. During league, we have 12 customers on Tuesday, Wednesday and Thursday evening.
 - b. Mid-May through Mid-August we have less than 10 per week.
 4. How many group lessons do you lead each week, on average? None. We have not done any group lessons.
 5. How many lessons do you lead on an average week, during peak season? We rarely do lessons. We have averaged two to three lessons a year over the past five years.
 6. How many parking spaces have you created off of Metro Avenue? 15
 7. Do you have plans to add any employees to the business? No
- Provide generated vehicle trips to the parking lot off of Metro. A trip is defined as a single- or one-directional vehicle movement with either to or from the SUP's site. A vehicle coming to the site is one trip and the same vehicle leaving the site is a second trip.
 - a. Mid-March through Mid-May and Mid-August through Mid-October (during league): 80
 - b. Mid-May through Mid-August: 20
 - c. Mid-October through Mid-March: 0 because the range is closed due to weather

- Trips shall include anticipated vehicles per day for each type of vehicle (passenger, trucks, types of trucks, large equipment, trailers, and loads). Trips shall include customers, staff, deliveries, or other vehicles needed for the special uses permit. In general, provide time frames per day when the detailed vehicle trips will occur.

- a. Monday through Friday: 4pm-8pm

- b. Saturday: 9am-12pm

RESOLUTION 2021-23

A resolution of the Leavenworth County Kansas Board of County Commission, issuing a Special Use Permit for an Archery Range & Pro Shop on the following described property:

Tracts of land in the Southwest Quarter of Section 24, Township 11 South, Range 22 East of the 6th P.M, in Leavenworth County, Kansas.

WHEREAS, it is hereby found and determined that a request for a Special Use Permit as described above was filed with the Secretary of the Leavenworth County Planning Commission, on the 22nd day of April, 2021, and

WHEREAS, it is hereby found that the Leavenworth County Planning Commission, after notice as required by law, did conduct a public hearing upon the granting of such request for a Special Use Permit on the 9th day of June; and

WHEREAS, it is hereby found that the Leavenworth County Planning Commission, based upon specific findings of fact incorporated by reference herein, did recommend that the Special Use Permit be approved, subject to special conditions as set forth; and

WHEREAS, the Board of County Commission considered, in session on the 30th day of June, 2021, the recommendation of the Leavenworth County Planning Commission.

NOW, THEREFORE, BE IT RESOLVED by the Board of County Commission of Leavenworth County, Kansas, that:

1. Based upon the recommendation and findings of fact of the Leavenworth County Planning Commission; and,
2. Based upon the findings of fact adopted by the Board of County Commission in regular session on the 30th day of June, 2021, and incorporated herein by reference;

That Case No. DEV-21-055, Special Use Permit for a Archery Range & Pro Shop approved subject to the following conditions:

1. The SUP shall be limited to a period of five (5) years.
2. Range usage shall be limited to daytime hours as light conditions permit safe operation.
3. The SUP shall be limited to no non-family employees.
4. The applicant shall apply for permit(s) for the entrances on Metro Ave, abide by the Access Management Policy, and move or remove the parking area or entrance(s) as required by Public Works.
5. The applicant shall adhere to the following memorandums:
 - a. Lauren Anderson – Public Works, June 2, 2021
 - b. Chuck Magaha – Emergency Management, June 2, 2021
6. No signage is allowed in the right-of-way. No signage is requested with the SUP. All signage shall comply with Article 25, Sign Regulations of the Leavenworth County Zoning and Subdivision Regulations.
7. No on-street parking shall be allowed.
8. This SUP shall be limited to the Narrative, dated April 22, 2021, submitted with this application, and the Applicant's response to Staff's comments, submitted May 15, 2021.

9. This SUP shall comply with all local, state, and federal rules and regulations that may be applicable. After approval of this SUP by the Board of County Commission all conditions listed shall be adhered to and copies shall be provided to the Planning and Zoning Department within 30 days.

Located in Section 24, Township 11 South, Range 22 East, also known as 14702 Timber Lane, parcel nos. 186-24-0-00-00-130.00, 186-24-0-00-00-114.00, & 186-24-0-00-00-114.00 in Leavenworth County, Kansas.

Adopted this 30th day of June, 2021
Board of County Commission
Leavenworth, County, Kansas

Michael Smith, Chairman

ATTEST

Jeff Culbertson, Member

Janet Klasinski

Vicky Kaaz, Member

Doug Smith, Member

Mike Stieben, Member

**Leavenworth County
Request for Board Action
Resolution 2021-24
Rezone from RR-5 to RR-2.5**

Date: June 30, 2021
To: Board of County Commissioners
From: Planning & Zoning Staff

Department Head Review: Krystal Voth, Reviewed

Additional Reviews as needed:

Budget Review **Administrator Review** **Legal Review**

Action Requested: Approve Resolution 2021-24 a request to rezone a 12-acre tract of land from RR-5 to RR-2.5.

Analysis: The property is located on the west side of 254th Street, directly west of Rockin' "C" Estates. The property is currently zoned as Rural Residential-5. The applicants are requesting the zoning be changed to RR-2.5, which would allow up to four lots to be established as opposed to two. The Future Land Use Map identifies this area as RR-2.5 and therefore the request is in conformance with the Comprehensive Plan.

Recommendation: The Planning Commission voted 8-0 (1 member absent) to recommend approval of Case No.DEV-21-019 (Resolution 2021-24) Rezoning of Parcel 205-15-0-00-00-014.00 from RR-5 to RR-2.5.

Alternatives:

1. Approve Resolution 2021-24, Rezoning of a Parcel 205-15-0-00-00-014.00 from RR-5 to RR-2.5, with Findings of Fact; or
2. Deny Resolution 2021-24, Rezoning of a Parcel 205-15-0-00-00-014.00 from RR-5 to RR-2.5, with Findings of Fact; or
3. Revise or Modify the Planning Commission Recommendation to Resolution 2021-24, Rezoning of a Parcel 205-15-0-00-00-014.00 from RR-5 to RR-2.5, with Findings of Fact; or
4. Remand the case back to the Planning Commission.

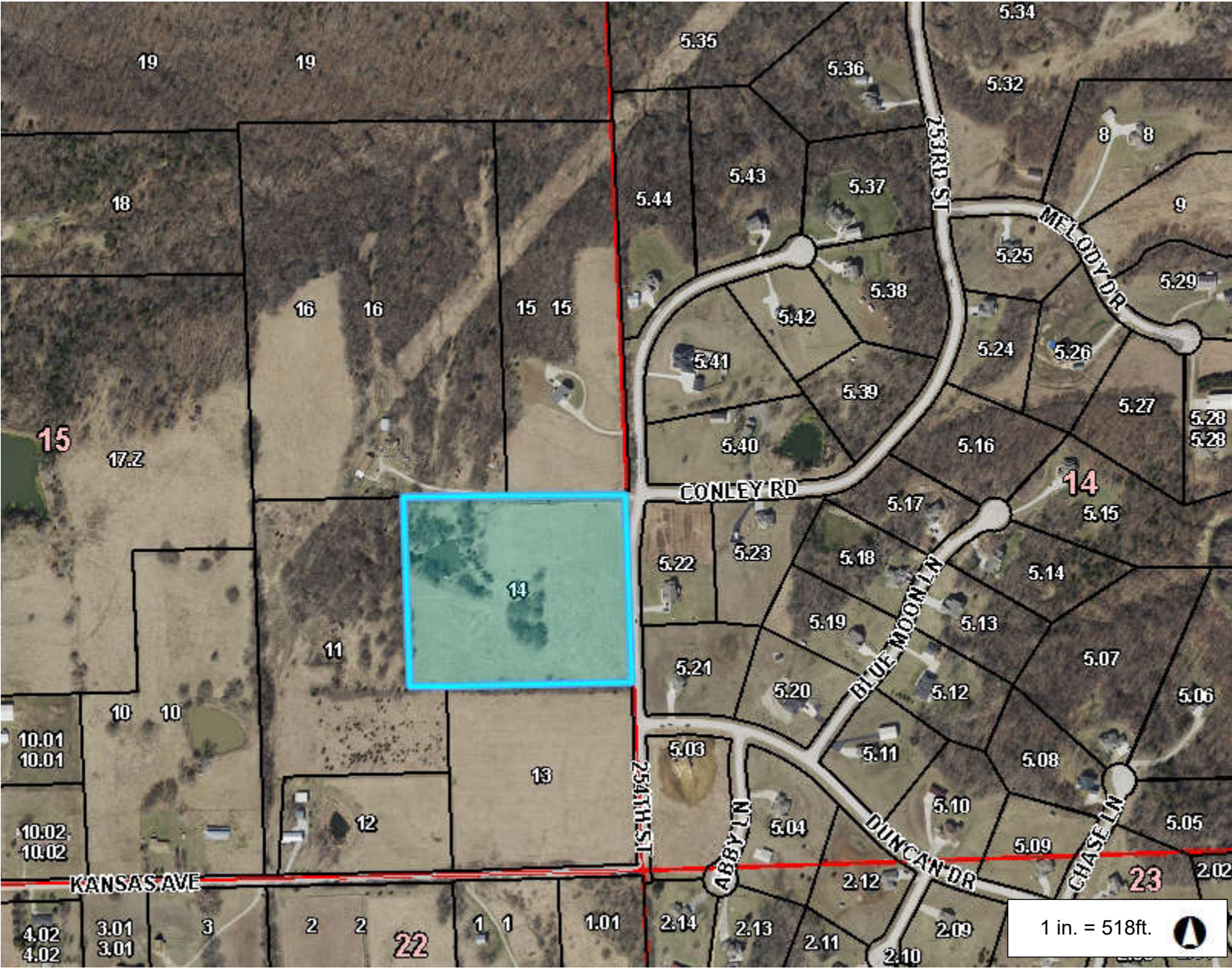
Budgetary Impact:

- Not Applicable
- Budgeted item with available funds
- Non-Budgeted item with available funds through prioritization
- Non-Budgeted item with additional funds requested

Total Amount Requested: \$0.00

Additional Attachments: Staff Report, Plat

Lutgen Rezoning



- Legend**
- Parcel Number
 - Parcel
 - City Limit Line
 - Major Road
 - <all other values>
 - 70
 - Road
 - Railroad
 - Section
 - Section Boundaries
 - County Boundary

1 in. = 518ft.

1,035.9 0 517.93 1,035.9 Feet

This Cadastral Map is for informational purposes only. It does not purport to represent a property boundary survey of the parcels shown and shall not be used for conveyances or the establishment of property boundaries.
THIS MAP IS NOT TO BE USED FOR NAVIGATION

Notes

**Resolution 2021-24
Case No. DEV-21-019
Rezoning from RR-5 to RR-2.5**

Staff Report – Board of County Commissioners

June 30, 2021

GENERAL INFORMATION:

**Applicant/
Property Owner:** Joe Herring on behalf of David & Shannon Lutgen
315 N. 5th Street
Leavenworth, KS 66048

Legal Description: A tract of land in the southeast ¼ of Section 15, Township 11 South, Range 20 East of the 6th P.M, in Leavenworth County, Kansas.

Location: 00000 254th Street, located at the intersection of 254th & Conley Road

Parcel Size: ± 12 acres

Zoning/Land Use: RR-5, Rural Residential 5-acre minimum size parcels

Comprehensive Plan: This parcel is within the Rural Residential 2.5 land use category.

Parcel ID No.: 205-15-0-00-00-014.00

Planner: Krystal A. Voth

REPORT:

Planning Commission Recommendation

The Planning Commission voted 8-0 (1 member absent) to recommend approval of Case No. DEV021-019 (Resolution 2021-24) a request to rezone Parcel 205-15-0-00-00-014.00 from RR-5 to RR-2.5.

Request

The applicant is requesting to rezone a parcel of land from Rural Residential-5 to Rural Residential -2.5.

Adjacent Land Use

Rockin “C” Estates is located directly to the east of the parcel. The properties located within Rockin “C” are used as rural subdivision lots and the majority of the lots have homes built. The rest of the area is mainly rural-residential with farms and homes on large lots. The property is located less than two miles from the Jefferson County line.

Flood Plain

There are no Special Flood Hazard Area X on this parcel per FEMA Firm Map 20103C0300G July 16, 2015.

Utilities/Services

Sewer: Private septic system
Fire: Tonganoxie
Water: RWD 13
Electric: FreeState

Access/Streets

The property is accessed by 254th Street. This road is a County local road with a paved surface ± 24’ wide.

Agency Comments

No Comments Received

Factors to be considered

The following factors are to be considered by the Planning Commission and the Board of County Commission when approving or disapproving this Rezoning request:

1. Character of the neighborhood: The character of the neighborhood is rural; agricultural uses and rural residences.
2. Zoning and uses of nearby property: Rockin' "C" Estates is zoned as a Planned Unit Development and is used for rural residences. The remaining surrounding area is zoned as Rural Residential – 5.
3. Suitability of the property for the uses to which it has been restricted: The property is within an area
4. Extent to which removal of the restrictions will detrimentally affect nearby property: The area will not likely be detrimentally affected. The proposed rezoning is in conformance with the Comprehensive Plan and is a rural residential zoning district.
5. Length of time the property has been vacant as zoned: The property has not been development and is currently used as agricultural land.
6. Relative gain to economic development, public health, safety and welfare: Rezoning the property will allow up to four rural residential lots.
7. Conformance to the Comprehensive Plan: The Future Land Use Map indicates this area as Rural Residential -2.5.
8. Staff recommendation is for the approval of the rezoning request.

Staff Comments

The property is located on the west side of 254th Street, directly west of Rockin' "C" Estates. The property is currently zoned as Rural Residential-5. The applicants are requesting the zoning be changed to RR-2.5, which would allow up to four lots to be established as opposed to two. The Future Land Use Map identifies this area as RR-2.5 and therefore the request is in conformance with the Comprehensive Plan.

STAFF RECOMMENDATION:

The staff recommends approval of Case No.DEV-21-019, Rezoning from Rural Residential-5 (RR-5) to Rural Residential -2.5 (RR-2.5).

ACTION OPTIONS:

1. Approve Resolution 2021-24, Rezoning of a Parcel 205-15-0-00-00-014.00 from RR-5 to RR-2.5, with Findings of Fact; or
2. Deny Resolution 2021-24, Rezoning of a Parcel 205-15-0-00-00-014.00 from RR-5 to RR-2.5, with Findings of Fact; or
3. Revise or Modify the Planning Commission Recommendation to Resolution 2021-24, Rezoning of a Parcel 205-15-0-00-00-014.00 from RR-5 to RR-2.5, with Findings of Fact; or
4. Remand the case back to the Planning Commission.

ATTACHMENTS:

Narrative
Location/Aerial Maps

REZONING APPLICATION
 Leavenworth County Planning Department
 300 Walnut, St., Suite 212
 County Courthouse
 Leavenworth, Kansas 66048
 913-684-0465

Office Use Only	
PID: <u>205-15-0-00-00-014.00</u>	Date Received: <u>2/17/21</u>
Township <u>Tonganoxie</u>	
Planning Commission Date: <u>April 14, 2021</u>	
Case No. <u>DEV-21-019</u>	Date Paid <u>2/17/21</u>
Zoning District <u>RR-5</u>	
Comprehensive Plan land use designation <u>unincorporated</u>	

APPLICANT/AGENT INFORMATION	OWNER INFORMATION (If different)
NAME <u>Herring Surveying Company</u>	NAME <u>David and Shannon Lutgen</u>
ADDRESS <u>315 N 5th Street</u>	ADDRESS <u>15554 Elm Street</u>
CITY/ST/ZIP <u>Leavenworth, KS 66048</u>	CITY/ST/ZIP <u>Basehor, KS 66007</u>
PHONE <u>913-651-3858</u>	PHONE <u>913-683-2864</u>
EMAIL <u>herringsurveying@outlook.com</u>	EMAIL <u>dlutgen72@gmail.com</u>
CONTACT PERSON <u>Joe Herring</u>	CONTACT PERSON <u>David Lutgen</u>

PROPOSED USE INFORMATION
Proposed Land Use <u>RR 2.5</u>
Reason for Requesting Rezoning <u>Plat parcel into (3) four acre lots</u>

PROPERTY INFORMATION
Address of Property <u>00000 254TH ST, Tonganoxie, KS 66086</u> <u>2051500000014000</u>
Parcel Size <u>12 acres</u>
Current use of the property <u>Vacant</u>
Present Improvements or structures <u>None</u>

I, the undersigned am the (owner), (*duly authorized agent*), (*Circle One*) of the aforementioned property situated in the unincorporated portion of Leavenworth County, Kansas. By execution of my signature, I do hereby officially apply for rezoning as indicated above.

Signature David Lutgen Date 2/17/21

ATTACHMENT A

OWNER AUTHORIZATION

I/WE David Lutgen, hereby referred to as the "Undersigned", being of lawful age, do hereby on this 17 day of February, 2021, make the following statements, to wit:

- 1. I/We the Undersigned, on the date first above written, am the lawful, owner(s) in fee simple absolute of the following described real property

See Attachment "A" attached hereto and incorporated herein by reference.
- 2. I/We the undersigned, have previously authorized and hereby authorize Joe Herring (Hereinafter referred to as "Applicant"), to act on my/our behalf for the purpose of making application with the Planning Office of Leavenworth County, Kansas, 205150000014000 (common address) the subject real property, or portion thereof, and which authorization includes, but is not limited to, all acts or things whatsoever necessarily required of the applicant in the application process.
- 3. I/We the Undersigned, hereby agree to protect, defend, indemnify and hold the Board of County Commissioners of Leavenworth County, Kansas, its officers employees and agents (hereinafter collectively referred to as the "County"), free and harmless from and against any and all claims, losses, penalties, damages, settlements, costs, charges, professional fees or other expenses or liabilities, whether false, fraudulent, meritless or meritorious, of every kind and character arising out of or relating to any and all claims, liens, demands, obligations, actions, proceedings, or causes of action of every kind and character (hereinafter "claims"), in connection with, relating to, or arising directly or indirectly out of this authorization and the actions taken by the Applicant and the County in reliance thereof. I, the Undersigned, hereby further agree to investigate, handle, respond to, provide defense for and defend any such claims at my sole expense and agree to bear all other costs at my sole expense and agree to bear all other costs and expenses related thereto, even if such claims are groundless, false or fraudulent.
- 4. It is understood that in the event the Undersigned is a corporation or partnership then the individual whose signature appears below for and on behalf of the corporation or partnership has in fact the authority to so bind the corporation or partnership to the terms and statements contained within this instrument.

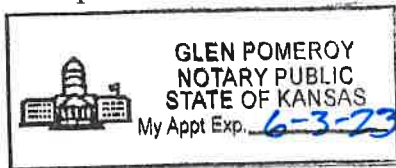
IN WITNESS THEREOF, I, the Undersigned, have set my hand and seal below.

David Lutgen
Owner

Owner

STATE OF KANSAS
COUNTY OF LEAVENWORTH

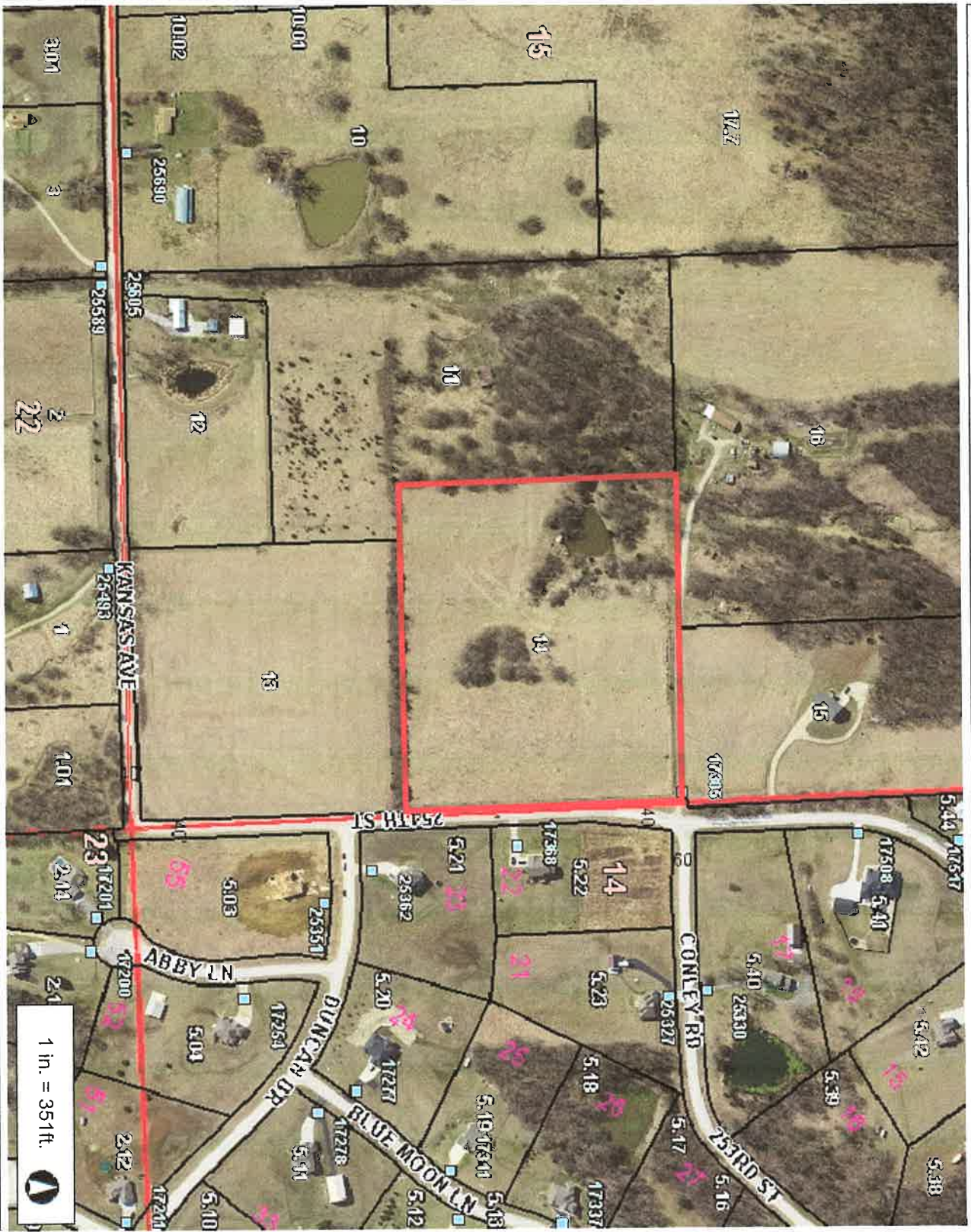
The foregoing instrument was acknowledge before me on this 17th day of Feb, 2021,
by David Lutgen.
My Commission Expires:



Glen Pomeroy
Notary Public

ATTACHMENT B

Leavenworth County, KS



1 in. = 351ft.

This Cadastral Map is for informational purposes only. It does not purport to represent a property boundary survey of the parcels shown and shall not be used for conveyances or the establishment of property boundaries. THIS MAP IS NOT TO BE USED FOR NAVIGATION



- Legend**
- Address Point
 - Parcel Number
 - Lot Line
 - Parcel
 - City Limit Line
 - Major Road
 - <all other values>
 - 70
 - Road
 - Railroad
 - Section
 - Section Boundaries
 - County Boundary

Notes

ENTERED IN TRANSFER RECORD IN
CLERK'S OFFICE THIS DAY 02/19/2021

Janet Klasmirke
COUNTY CLERK

Doc #: 2021R02015
TERRILOIS MASHBURN
REGISTER OF DEEDS
LEAVENWORTH COUNTY, KANSAS
RECORDED ON:
02/19/2021 08:10:42 AM
RECORDING FEE: 55.00
PAGES: 3

STATUTORY WARRANTY DEED

(Joint Tenancy)

Grantor(s): **George A. Elmer and Andrea Z. Elmer, husband and wife**

Conveys and Warrants to **David Lutgen and Shannon Lutgen**, as joint tenants with the right of survivorship, and not as tenants in common.

The following described premises, to-wit:

SEE ATTACHED EXHIBIT A

For the sum of One Dollar and other good and valuable consideration.

Subject to: easements and restrictions of record, if any

E-Recorded by Security 1st Title LLC
By: Glen Pomeroy
Phone #: 913-728-2021
File No.: 2422030

 Security 1st Title

File No. 2422030
Page 1 of 3

File No.: 2422030

EXHIBIT A

The Land is described as follows:

Tract 1:

Beginning at a point on the East line of the East one-half of the Southeast Quarter, Section 15, Township 11 South, Range 20 East of the Sixth Principal Meridian, Leavenworth County, Kansas, 660 feet North of the Southeast corner of said Quarter Section; thence West parallel with the South line of said Quarter Section 660 feet; thence North parallel with the East line of said Quarter Section 660 feet; thence East parallel with the South line of said Quarter Section 660 feet; thence South along the East side of said Quarter Section 660 feet to the point of beginning, subject however, to an easement 20 feet in width across the Northeast corner of said tract.

Tract 2:

Beginning at a point which is 1321.73 feet North and 665.45 feet West of the Southeast corner of the Southeast Quarter of Section Fifteen (15), Township Eleven (11) South, Range Twenty (20) East of the 6th Principal Meridian, Leavenworth County, Kansas, thence West parallel with the South line of said Quarter Section 131.71 feet, thence South parallel with the East line of said Quarter Section 661.43 feet, thence East parallel with the South line of said Quarter Section 131.71 feet, thence North to the point of beginning 681.43 feet, more or less.

The above-described real estate is subject to an Access Easement filed on March 4, 2010, as Document No. 2010R01553, granted to James Elmer and Betty Mae Elmer to allow ingress and egress along the following described tract of land in Leavenworth County, Kansas, more fully described as follows:

The North 12 feet of the East 455 feet of the Northeast Quarter of the Southeast Quarter of the Southeast Quarter of Section 15, Township 11 South, Range 20 East of the 6th P.M., Leavenworth County, Kansas. Together with and subject to covenants, easements and restrictions of record.

From: [Amanda Tarwater](#)
Sent: Friday, March 5, 2021 9:52 AM
To: [Gentzler, Joshua](#)
Subject: Re: DEV-21-019 Rezoning Lutgen

Notice: This email originated from outside this organization. Do not click on links or open attachments unless you trust the sender and know the content is safe.

FreeState Electric has no objection to this request.

Thank you,

Amanda Tarwater
Member Account Coordinator



1-800-794-1989 | www.freestate.coop

From: "Gentzler, Joshua"
Date: Friday, March 5, 2021 at 9:24 AM
To: Amanda Tarwater , "RWD 13 (linda@jfrwd13.com)" , "chief1860@ttrfd.com" , "Voth, Krystal" , "Anderson, Kyle" , "Anderson, Lauren" , "Magaha, Chuck" , "Miller, Jamie" , Mitch Pleak , "Thorne, Eric" , "Van Parys, David"
Subject: DEV-21-019 Rezoning Lutgen

Warning: This message originated outside of the FEC organization. Do not click links or open attachments unless you have validated the sender and know the content is safe. <="" span="">

Good morning,

I am sending this out on behalf of Krystal Voth, who will be reviewing the case. The Department of Planning and Zoning has received an application for a Rezoning regarding a property at immediately south of 17305 254th Street, Tonganoxie, KS 66086.

The Planning Staff would appreciate your written input in consideration of the above request. Please review the attached information and forward any comments to us by Friday, March 12th.

If you have any questions or need additional information, please contact Krystal at (913) 684-0461 or at KVoth@LeavenworthCounty.Gov.

Thank you,

Joshua Gentzler
Planner II

RESOLUTION 2021-24

A resolution of the Leavenworth County Kansas Board of Commissioners, authorizing a rezoning from Rural Residential – 5 (RR-5) to Rural Residential -2.5 (RR-2.5) on the following described property:

Tract of land in the Southeast Quarter of the Southeast Quarter of Section 15, Township 11 South, Range 20 East of the 6th P.M., Leavenworth County, Kansas, more fully described as follows: Commencing at the Southeast Comer of said Southeast Quarter; thence North 02 degrees 03'33" West for a distance of 661.83 feet along the East line of said Southeast Quarter to the TRUE POINT OF BEGINNING; thence continuing North 02 degrees 03'33" West for a distance of 661.83 feet along said East line; thence South 89 degrees 03'24ri West for a distance of 796.01 feet; thence South 02 degrees 09'47" East for a distance of 663.83 feet; thence North 88 degrees 54'51" East for a distance of 794.77 feet to the point of beginning, less any part thereof taken or used for road purposes.

WHEREAS, it is hereby found and determined that a request for a Rezoning as described above was filed with the Secretary of the Leavenworth County Planning Commission, on the 24th day of February, 2021, and

WHEREAS, it is hereby found that the Leavenworth County Planning Commission, after notice as required by law, did conduct a public hearing upon the granting of such request for a Rezoning on the 9th day of June, 2021; and

WHEREAS, it is hereby found that the Leavenworth County Planning Commission, based upon specific findings of fact incorporated by reference herein, did recommend that the Rezoning be approved; and

WHEREAS, the Board of County Commissioners considered, in session on the 30th day of June, 2021, the recommendation of the Leavenworth County Planning Commission.

NOW, THEREFORE, BE IT RESOLVED by the Board of County Commissioners of Leavenworth County, Kansas, that:

1. Based upon the recommendation and findings of fact of the Leavenworth County Planning Commission; and,
2. Based upon the findings of fact adopted by the Board of County Commissioners in regular session on the 30th day of June, 2021, and incorporated herein by reference;

That request for rezoning as described above, also known as 00000 254th Street, Parcel Identification Number 205-15-0-00-00-014.00, is hereby granted.

Adopted this 30th day of June, 2021
Board of County Commission
Leavenworth, County, Kansas

Mike Smith, Chairman

ATTEST

Jeff Culbertson, Member

Janet Klasinski

Vicky Kaaz, Member

Doug Smith, Member

Mike Stieben, Member

**LEAVENWORTH COUNTY PLANNING COMMISSION
MINUTES OF THE REGULAR MEETING
June 9, 2021**

The full recorded meeting can be found on the County's YouTube channel.

Meeting called to order at 6:00 pm

Pledge of Allegiance

Members present: Steve Rosenthal, Mark Denney, A.W. Himpel, Jeff Spink, John Matthews, Terry Barkoski, Tom Dials and Wolf Schmidt

Members absent: Alex DeMoro

Staff present: Krystal Voth-Director, Stephanie Sloop-Planning Coordinator, Joshua Gentzler-Planner, David Van Parys-Senior County Counselor

Approval of Minutes:

Commissioner Himpel made a motion to approve the minutes from the previous Planning Commission. Commissioner Matthews seconded the motion.

ROLL CALL VOTE - Motion to approve passed, 7/0 (1 abstain, 1 absent)

Secretary's Report:

Krystal Voth gave the secretary's report, letting the commission know that there were two cases on the consent agenda, approval of the agenda would approve those cases. Ms. Voth thanked Mr. Matthews for his years of service as a Planning Commissioner.

A motion was made by Commissioner Matthews to approve the agenda. Commissioner Schmidt seconded the motion.

ROLL CALL VOTE - Motion to approve passed, 8/0 (1 absent)

Declarations: No declarations

Case DEV-21-030 & 031

Consideration of an application for a Preliminary and Final Plat for Sunny Side Estates, located on all of Lot 1A, Heartland Estates, in Leavenworth County, Kansas.

Also known as 00000 Evans Road

Ms. Voth presented the facts and findings for the above request bringing it to the Planning Commission attention that the proposed development does not meet the current Access Management Policy.

Chairman Rosenthal asked the applicant if they would like to address the commission. Mr. Joe Herring came forward.

Commissioner Bartkoski made a to deny Case DEV-21-030 & 03, Commissioner Himpel seconded the motion.

ROLL CALL VOTE - Motion to deny passed, 8/0 (1 absent)

The Board of County Commissioners will consider this item on **June 30, 2021 at 9:00 A.M** in the Leavenworth County Courthouse.

Any person wishing to file a protest petition must contact the Planning & Zoning Office. Protest petitions must be filed with Leavenworth County within two weeks of this meeting. To be valid, the protest petition must be signed by owners of 20 % of the land area in the notification area.

Case DEV-21-022

Consideration of an application for a Special Use Permit for an Athletic Training Facility, located on a tract of land in the Northwest Quarter of Section 32, Township 10 South, Range 22 East of the 6th P.M., in Leavenworth County, Kansas.

Request submitted by Mr. and Mrs. Trent West

Also known as 19897 178th Street

Mr. Gentzler presented the facts and findings for the above request, stating that staff recommended denial of this request.

Chairman Rosenthal opened the public hearing portion of the hearing and asked if the applicant wished to speak. Mr. West came forward and explained the nature of this request.

Chairman Rosenthal asked if there was anyone that wished to speak in support of the request. Several people came forward in person and via phone to speak in support of this request. Chairman Rosenthal asked if there was anyone wishing to speak in opposition. Chairman Rosenthal closed the public portion of the hearing and asked if there was further discussion.

Commissioner Bartkoski made a motion to approve DEV-21-022, stating that he believed that it did not change the nature of the neighborhood and that it would be a benefit to the community. Commissioner Himpel seconded the motion. Commissioner Bartkoski went over the conditions that he wanted adopted with this request.

ROLL CALL VOTE - Motion to approve passed, 5/3 (1 absent)

(Commissioner Matthews voted no to approve based on his belief that this was not the right area. Commissioner Denney voted to approve, stating his determining factor was that it was deemed that Public Works determined with the amount of traffic generated that a traffic study was not needed. Commissioner Himpel and Chairman Rosenthal voted no because it did not follow the Comprehensive Plan. Chairman Rosenthal also voted no because of the road type.)

The Board of County Commissioners will consider this item on **June 30, 2021 at 9:00 A.M** in the Leavenworth County Courthouse.

Any person wishing to file a protest petition must contact the Planning & Zoning Office. Protest petitions must be filed with Leavenworth County within two weeks of this meeting. To be valid, the protest petition must be signed by owners of 20 % of the land area in the notification area.

Case DEV-21-055

Consideration of an application for a Special Use Permit for a Target Range for archery lessons and pro shop for bow maintenance, on Lots 15, Lots 43-46, and parts of Lots 47 and 48 in Northwoods at Timber Lakes AND a tract of land in the Southeast quarter of Section 24, Township 11 South, Range 22 East of the 6th P.M. in Leavenworth County, Kansas.

Request submitted by Mr. Silversteln

Also known as 14702 Timber Lane

Mr. Gentzler presented the facts and findings for the above request, stating that staff recommended denial of this request.

Chairman Rosenthal opened the public hearing portion of the hearing and asked if the applicant wished to speak. The applicant came forward and explained the nature of this request.

Chairman Rosenthal asked if there was anyone that wished to speak in support of the request. Chairman Rosenthal asked if there was anyone wishing to speak in opposition. Chairman Rosenthal closed the public portion of the hearing and asked if there was further discussion.

Commissioner Himpel made a motion to approve DEV-21-055, stating that it met all the Golden Factors. Commissioner Himpel also edited the condition about hours of operation to read, "as lighting conditions permit." Ms. Voth asked Commissioner Himpel to include his specific reasons for recommending approval as it goes against staff recommendation. Commissioner Himpel withdrew his motion. Commissioner Denney made a motion to approve Case DEV-21-055 with staff recommendations, changing condition two with verbiage laid out by County Counselor. Commissioner Denney stated that the applicant owned property all around where the activity was going to take place. He also stated that the HOA has given their support of this request, he stated that the increase in traffic didn't seem to be a concern, there is a gain to economic development by providing a service to the County. This use is allowed with a Special Use Permit in residential zoning. Commissioner Barkoski seconded the motion.

ROLL CALL VOTE - Motion to approve passed, 8/0 (1 absent)

The Board of County Commissioners will consider this item on **June 30, 2021 at 9:00 A.M** in the Leavenworth County Courthouse.

Any person wishing to file a protest petition must contact the Planning & Zoning Office. Protest petitions must be filed with Leavenworth County within two weeks of this meeting. To be valid, the protest petition must be signed by owners of 20 % of the land area in the notification area.

Case DEV-21-019

Consideration of an application for a rezoning request from RR-5 zoning districts to RR-2.5 zoning district on a tract of land in the Southeast Quarter of the Southeast Quarter of Section 15, Township 11 South, Range 20 East of the 6th P.M., Leavenworth County.

Request submitted by David Lutgen

Also known as 00000 254th Street

Ms. Voth presented the facts and findings for the above request.

Chairman Rosenthal opened the public hearing portion of the hearing and asked if the applicant wished to speak. Mr. Joe Herring came forward and explained his request and stated that this followed the Comprehensive Plan.

Chairman Rosenthal asked if there was anyone that wished to speak in support of the request. Chairman Rosenthal asked if there was anyone wishing to speak in opposition. Neighboring residents came forward to speak in opposition. Chairman Rosenthal closed the public portion of the hearing and asked if there was further discussion.

Commissioner Himpel made a motion to approve DEV-21-019, going through the golden factors and stating that it met the Comprehensive Plan. Commissioner Matthews seconded the motion.

ROLL CALL VOTE - Motion to approve passed, 8/0 (1 absent)

The Board of County Commissioners will consider this item on **June 30, 2021 at 9:00 A.M** in the Leavenworth County Courthouse.

Any person wishing to file a protest petition must contact the Planning & Zoning Office. Protest petitions must be filed with Leavenworth County within two weeks of this meeting. To be valid, the protest petition must be signed by owners of 20 % of the land area in the notification area.

Case DEV-21-051

Consideration of an application for a rezoning request from RR-2.5 zoning district to the B-3 zoning district on a tract of land in the Northwest quarter of the Northeast quarter of Section 12, Township 11 South, Range 21 East of the 6th P.M. in Leavenworth County.

Request submitted by Red Fuel Report

Also known as 19393 State Ave

Mr. Gentzler presented the facts and findings for the above request.

Chairman Rosenthal opened the public hearing portion of the hearing and asked if the applicant wished to speak. Mr. Joe Herring came forward and explained his request and stated that this followed the Comprehensive Plan.

Chairman Rosenthal asked if there was anyone that wished to speak in support of the request. Chairman Rosenthal asked if there was anyone wishing to speak in opposition. Neighboring residents came forward to speak in opposition. Chairman Rosenthal closed the public portion of the hearing and asked if there was further discussion.

Commissioner Himpel made a motion to approve DEV-21-051, going through the golden factors and stating that it met the Comprehensive Plan and Future Land Use Map. Commissioner Schmidt seconded the motion.

ROLL CALL VOTE - Motion to approve passed, 8/0 (1 absent)

The Board of County Commissioners will consider this item on **June 30, 2021 at 9:00 A.M** in the Leavenworth County Courthouse.

Any person wishing to file a protest petition must contact the Planning & Zoning Office. Protest petitions must be filed with Leavenworth County within two weeks of this meeting. To be valid, the protest petition must be signed by owners of 20 % of the land area in the notification area.

Meeting was adjourned at 8:40 p.m.

DRAFT

Leavenworth County Request for Board Action

Date: June 23rd 2021

To: Board of County Commissioners

From: Emergency Management

Department Head Approval: _____

Additional Reviews as needed:

Budget Review Administrator Review xxx Legal Review

Action Requested: The Board of County Commissioners allow the Chairman to sign the Emergency Management Performance Grant (EMPG) This will be funding for the Emergency Management Program

Recommendation:

The Leavenworth County Office of Emergency Management is asking for the signature of the Leavenworth County Board of County Commissioners Chairman to sign the EMPG document for grant funding. Leavenworth County Emergency Management is expecting up to \$60,000 in federal funding to support the Emergency Management Office.

Analysis: Emergency Management Preparedness Grant (EMPG) Program is offered to give "assistance to counties in developing disaster and assistance plans, programs, capabilities, and organizations. The purpose of the program is to ensure that a comprehensive emergency management system exists for disasters or emergencies resulting form natural disasters, accidental, or man-caused events.

Counties are encouraged to participate in the EMPG program. By becoming an EMPG county it will increase the county's level of awareness and preparedness. The program reimburses up to 50% of the administrative cost for the programs.

The EMPG Program Administrator will audit counties expenditures; this helps base disbursement of the funds. To determine the amount of the EMPG award for each county, the award is based on population growth or decline, which is calculated by per capita. The population data that is used is from the Kansas Division of the Budget.

The County must adhere to the KAR 56-2-2 standards for an Emergency Management Program. The funds must be kept separate from the normal General fund in a expenditure grant fund and expenditures must be made for Emergency Management programs.

Alternatives: If the Board chairman does not Sign the agreement the County will forfeit to funding.

Budgetary Impact:

- xx Not Applicable
- Budgeted item with available funds
- Non-Budgeted item with available funds through prioritization
- Non-Budgeted item with additional funds requested

Total Amount Requested:

No funds requested

Additional Attachments: EMPG Document



APPLICATION FOR **2020** EMERGENCY MANAGEMENT PERFORMANCE GRANT (EMPG) FUNDS

Kansas Division of Emergency Management

Please contact Bret Rowe (bret.a.rowe.nfg@mail.mil) at (785) 646-2204 if you have any questions regarding this application.

1. County:	LEAVENWORTH COUNTY
2. EMPG Status:	Current EMPG Program Participant New EMPG Program Participant

3. Briefly explain why these funds are needed to support the emergency manager/coordinator position:

The EMPG funds are needed to support the day to day activities in Emergency Management to fulfill the need to prepare for, respond to, recover from and mitigate against a natural or manmade disaster in Leavenworth County, Ks. We will be reviewing/exercising the plans and maintaining warning equipment as it pertains to our office.

4. Select which description best describes the status of the emergency manager/coordinator:

- Full-time, permanent staff whose primary responsibility is as the emergency manager/coordinator
Emergency manager/coordinator duties are assigned to full-time staff with other significant duties
- Emergency manager/coordinator is a part-time, or seasonal position, or contracted
- Emergency manager/coordinator duties are assumed as needed by other staff or elected officials

5. List the name and position title of each staff member whose position is funded through the EMPG Program:

List EMPG Program Funded Staff:	Indicate Full-Time or Part-Time:	If Part-Time, indicate number of hours worked per week:
Name: Charles (Chuck) Magaha Position: Director/Coordinator (non EMPG funded)	Full Time	
Name: Zach Phillips Position: Deputy Director/Asst Coordinator (non EMPG funded)	Full Time	
Name: New Position Position: Planning and exercise (EMPG funded)	Full Time	
Name: Position:		
Name: Position:		
Name: Position:		
Name: Position:		

6. Briefly describe the method used to code or track funded staff time spent on emergency management activities charged to the grant and/or used to meet local match requirements:

Leavenworth County Clerk has created a separate account for the EMPG funding so we can track all expenditures and reimbursements from the grant. This account is held separate from the General Fund as a standalone line item.



APPLICATION FOR **2020** EMERGENCY MANAGEMENT PERFORMANCE GRANT (EMPG) FUNDS

Kansas Division of Emergency Management

7. Complete the EMPG Initial Annual Work Plan (proposed Statement of Work) and attach to application.

8. County's Point of Contact:

- Name: Chuck Magaha
- County Emer Mgt Mailing Address: 300 Walnut Street #50; Leavenworth, Ks 66048
- Telephone Number: (913) 684-0455
- Cellphone Number: (913) 683-9925
- Fax Number: (913) 684-1037
- Email Address: Cmagaha@leavenworthcounty.gov

9. County DUNS Number: 073022147

10. Authorization to Submit Application:

By signature below, We agree to comply with the organization audit requirements of 2 C.F.R. Part 200 (formerly OMB Circular A-133), Audits of States, Local Governments, and Non-Profit Organizations. A copy of these audits must be sent to KDEM thirty (30) days upon receipt. We further agree to comply with the standards put forth in 2 C.F.R. Part 200 (formerly OMB Circular A-87), Cost Principles for State, Local, and Indian Tribal Governments. We agree to comply with the requirements set forth by State Administrative Regulation 56-2-2 and comply with financial and performance reporting for this grant period.

We certify that we will accomplish the projected programs to the best of our ability, will provide the necessary support to accomplish completion and understand and agree that completion of, or progress toward, said projected programs is a condition for participation in the Emergency Management Performance Grant Program and/or other federally assisted programs.

Typed or Printed Name of Emergency Manager/Coordinator Charles L. Magaha/Coordinator	Typed or Printed Name of Authorized Official Michael Smith/Chairman Board of County Commissioners
Signature of Emergency Manager/Coordinator	Signature of Authorized Official
Typed Name of KDEM Deputy Director Angee Morgan	Date Application Submitted to KDEM (MM/DD/YYYY)
Signature of KDEM Deputy Director	

NOTE: Please complete and attach the Proposed Annual Work Plan (Statement of Work), Annual Budget form, Single Audit certification form, Summary Sheet for Certifications and Assurances, and also a current Position Description and updated Training report form for any EMPG-funded personnel listed above. Obtain the signatures of the Emergency Management Director & Authorized official for the signature blocks in the above certification. The Authorized Official is an individual who has been authorized by the governing body of the jurisdiction to apply for, accept, or decline grants on behalf of the jurisdiction or organization.



Annual Budget for Personnel & Administrative Expenses

Year: 2020

Please list below your county's annual emergency management budget and submit to KDEM

COUNTY: Leavenworth COORDINATOR: Chuck Magaha

GRANT DOLLARS (PROJECTED EMPG EXPENDITURES)				
PAYROLL				
POSITION TITLE	EMPLOYEE NAME	BASE SALARY	FRINGE BENEFITS	ANNUAL COMPENSATION
Planning and Exercise Asst.	Vacant new hire	\$ 32,000.00	\$ 6,300.00	\$ 38,300.00
EMPG PAYROLL TOTAL				\$ 38,300.00
NON-PAYROLL				
TRAVEL				\$ 1,500.00
OTHER COSTS				\$ 20,200.00
EMPG TOTAL				\$ 60,000.00
COUNTY DOLLARS (PROJECTED NON-EMPG EXPENDITURES)				
PAYROLL				
POSITION TITLE	EMPLOYEE NAME	BASE SALARY	FRINGE BENEFITS	ANNUAL COMPENSATION
Coordinator/Director	Chuck Magaha	\$ 76,980.80	\$ 20,224.00	\$ 97,204.80
Asst Coordinator	Zach Phillips	\$ 55,515.20	\$ 8,839.00	\$ 64,354.20
NON-EMPG PAYROLL TOTAL				\$ 161,559.00
NON-PAYROLL				
TRAVEL				
OTHER COSTS				\$ 150,677.00
NON-EMPG TOTAL				\$ 312,236.00
EMERGENCY MANAGEMENT TOTAL ANNUAL BUDGET				\$ 372,236.00


I certify that the information contained herein is true and accurate, and that supporting documentation is on file for review.

Emergency Manager Signature or Authorized Designee _____ Title _____ Date _____

EMPG04

2020 EMERGENCY MANAGEMENT PERFORMANCE GRANT

STATEMENT OF WORK REPORT

COUNTY	QUARTER #		
Leavenworth			
COUNTY COORDINATOR'S NAME	COUNTY COORDINATOR'S SIGNATURE		
Chuck Magaha			
ACTIVITY: PROGRAM ADMINISTRATION	PERFORMANCE REPORT COMMENTS		
Complete and submit quarterly EMPG performance report			
Submit Reimbursement form to KDEM			
ACTIVITY:	AREA	CORE CAPABILITY	PROGRESS PERFORMANCE COMMENTS
Conduct planning workshops on County Emergency Operations Plans (CEOP)	Prevention	Planning	County will conduct a TEPW in the 4 th quarter; will attempt to have workshops on the EFS roles. Have completed some of the ESF mainly Esf 8. The new COEP will be completed will review
Develop/enhance Continuity of Operations (COOP)/Continuity of Government (COG) plans	Prevention	Planning	The Emergency Management staff will continue to review the COOP plan of the County. This plan is reviewed every November We review the COOP annually in the fourth quarter and updates are documented then

ACTIVITY:	AREA	CORE CAPABILITY	PROGRESS PERFORMANCE COMMENTS
Modify existing incident management and emergency operations procedures	Prevention	Operation and Coordination	Will continue our current SOG to match our existing equipment and staffing needs. Ongoing but some changes were made.
Conduct a hazard analysis and risk assessment	Prevention	Planning	Hazard Analysis has been completed will review annually. This document is reviewed annually for accuracy.
Develop all-hazards mitigation plans	Prevention	Planning	Mitigation Plan for region L has been completed, County Commissioners accepted the plan in 2nd st quarter of 2021. An Annual review will be conducted in the 4thquarter of 2021
Develop/enhance logistics and resource management plans	Prevention	Planning	Will review and update CRMCS to stay in line with the State and Resource request. We are seeking more equipment this last year and will continue. Trac App is installed and exercised monthly
Develop/enhance large-scale event incident plans	Prevention	Operation and Coordination	Will conduct a multi jurisdictional exercise within the KC Metro region by the 3 rd quarter of 2021 that will involve Leavenworth County ESF partners through the MARC region
Work with Local Emergency Planning Committee (LEPC)	Prevention	Planning	Attend monthly meetings at the MARC region usually the second Thursday of the Month. The Tech hazard planner will receive monthly minutes of the LEPC and activity announcements when

ACTIVITY:	AREA	CORE CAPABILITY	PROGRESS PERFORMANCE COMMENTS
Completion of the required Professional Development Series certificate: IS 120 (replaces IS 139) IS 230 IS 235 IS 240 IS 241 IS 242 IS 244 [provide proof of completion via loading individual course certificates into Kansas-TRAIN 'Your Learning' account.]	Prevention	Planning	All should be on File. New deputy will be uploading his documents when completed
Develop/enhance systems to monitor training programs	Prevention	Planning	Will evaluate our training program as it is described in our annual TEPW. We conduct one for the County and then we conduct one from the region. Training will be along with the MARC region to enhance our program
Conduct all hazards emergency management training within your jurisdiction	Prevention	Planning	On going, we have a full schedule of exercises to attempt to introduce to the team players of the County in 2021

ACTIVITY:	AREA	CORE CAPABILITY	PROGRESS PERFORMANCE COMMENTS
Attend all hazards emergency management training (beyond courses listed in this SOW)	Prevention	Planning	Will attend appropriate training as it become available before the 4th quarter, this could include the KEMA conference and from the MARC Metro
<p>Completion of the following required course certifications:</p> <p>IS 100 IS 200 IS 700 IS 800</p> <p>and ICS 300</p> <p>[provide proof of completion via loading individual course certificates into Kansas-TRAIN 'Your Learning' account.]</p>	Prevention	Operational and Coordination	On File

ACTIVITY:	AREA	CORE CAPABILITY	PROGRESS PERFORMANCE COMMENTS
Conduct a county-level Training & Exercise Planning Workshop (TEPW) with a record of participation and input from local jurisdictional partners	Prevention	Planning	Will provide and updated TEPW by the 4th quarter, this is usually conducted in the middle of November.
Develop a local county multi-year (minimum of 3 years) Training & Exercise Plan (TEP) that is updated annually. [Submit all required exercise documentation online via the Kansas Exercise Tracking System (KETS)]	Prevention	Operation and Coordination and Planning	Will have the TEPW/TEP in November

ACTIVITY:	AREA	CORE CAPABILITY	PROGRESS PERFORMANCE COMMENTS
Conduct a minimum of 2 exercises (defined by HSEEP principles & exercise types) within the county which tests county plans and DHS/FEMA core capabilities. [Submit all required exercise documentation online via the Kansas Exercise Tracking System (KETS)]	Prevention	Operation and Coordination	We will coordinate with the Metro Region to satisfy the process. With COVID we will be limited till 4 th quarter
Brief civic groups and senior citizen on local hazards and family preparedness plans	Prevention	Situation Awareness	Provide 4 briefing a year when the it allows, Presented to the School Bus Drivers in June
Conduct awareness & individual response training and exercises in schools	Prevention and Response	Situation Awareness	We will conduct training with most of our school districts and perform at least on exercise and or drill with one or more of the districts. We should have all of our school districts developed and in hand emergency operation plans. Completed on earthquake exercise and one weather TTX in the school districts of

ACTIVITY:	AREA	CORE CAPABILITY	PROGRESS PERFORMANCE COMMENTS
Conduct public outreach campaigns that focus on individual and family preparedness	Prevention	Situational Awareness	We will be participating in the County Fair which will be a contact of appx. 2500 residents of Leavenworth County.
Develop/enhance emergency management and operation plans to integrate citizen/volunteer & other non-governmental organization resources and participation	Protection	Public and Private Resources	On Going
Develop/enhance Citizen Emergency Response Team (CERT)	Response	Public and Private Resources	We will continue to develop our membership in the CERT activities along with the Metro region. On Going

ACTIVITY:	AREA	CORE CAPABILITY	PROGRESS PERFORMANCE COMMENTS
Implement automated mass notification system and/or integrated public alert and warning system (IPAWS) for emergency public alert and warning to rapidly notify impacted populations of emergency protective actions	Prevention	Situation Awareness	Alert Sense is what the County uses, Tested weekly, Several county dispatchers and Ems are trained for the IPAWS communication
Develop/enhance financial and administrative procedures for use before and after disasters	Planning	Operation and Coordination	We have worked and will continue to work with municipalities of what is needed for the documentation
Develop intra-state mutual aid agreements that encourage building partnerships across all levels of government, non-governmental organizations, and	Response	Operation and Coordination	The Intra State / Inter State compact between Missouri and Kansas is under development draft document was discussed in June 2021

private entities			
ACTIVITY:	AREA	CORE CAPABILITY	PROGRESS PERFORMANCE COMMENTS
Conduct communications equipment drills	Prevention	Operation and Coordination	System is tested countywide weekly within the County and once a month outside the County

Feel free to report additional activities by submitting them with this document.

CORE CAPABILITIES MAY BE FOUND AT: <http://www.fema.gov/core-capabilities>

Access Control and Identity Verification, Community Resilience, Critical Transportation, Cyber Security, Economic Recovery, Environmental Response/Health & Safety, Fatality Management Services, Fire Management and Suppression, Forensics and Attribution, Health and Social Services, Housing, Infrastructure Systems, Intelligence and Information Sharing, Interdiction and Disruption, Logistics and Supply Chain Management, Long-term Vulnerability Reduction, Mass Care Services, Mass Search and Rescue Operations, Natural and Cultural Resources, On-scene Security Protection and Law Enforcement, Operational Communications, Operational Coordination, Physical Protective Measures, Planning, Public Health/Healthcare and Emergency Medical Services, Public Information and Warning, Risk and Disaster Resilience Assessment, Risk Management for Protection Programs and Activities, Screening Search and Detection, Situational Assessment, Supply Chain Integrity and Security, Threats and Hazards Identification.

**WORK SESSION
MATERIAL ONLY**

Leavenworth County Request for Board Action

Date: June 23rd 2021

To: Board of County Commissioners

From: Emergency Management

Department Head Approval: _____

Additional Reviews as needed:

Budget Review Administrator Review xxx Legal Review

Action Requested: The Board of County Commissioners request a motion by the Board to sign the Resolution of the Hazard Mitigation Plan Region L. Board Motion to be "Adopt the Kansas Homeland Security Region L Hazard Mitigation Plan for Leavenworth County"

Recommendation:

The Leavenworth County Office of Emergency Management is asking for the signature of the Leavenworth County Board of County Commissioners, for the adoption of the Hazard Mitigation Plan for Leavenworth County. The adoption of the Plan will finalize the Hazard Mitigation process.

Analysis: Leavenworth, Johnson and Wyandotte Counties along with Cities, School Districts and water districts that have been involved in the planning process to develop the multi-jurisdictional Hazard Mitigation Region L Mitigation Plan. The adoption of the plan by each jurisdiction will allow the plan to be implemented and the possibility for applying for Hazard Mitigation grants that are associated within the goals and objectives within the plan.

Alternatives: If the Board does not adopt the Hazard Mitigation Resolution for the Plan the County would not be eligible for grant opportunities for the County's citizens protection and would also possible have to reimburse the Federal Government for the planning process

Budgetary Impact:

- xx Not Applicable
- Budgeted item with available funds
- Non-Budgeted item with available funds through prioritization
- Non-Budgeted item with additional funds requested

Total Amount Requested:

No funds requested

Additional Attachments: Hazard Mitigation Plan resolution

Kansas Homeland Security Region L Hazard Mitigation Plan

Prepared for, and developed with,
the jurisdictions within and including:

Johnson County, Leavenworth County, and
Wyandotte County

August 2019

Prepared by:



Blue Umbrella Solutions, LLC

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List of Acronyms

Acronym	Meaning
BER	Bureau of Environmental Remediation
CPRI	Calculated Priority Risk Index
CDC	Centers for Disease Control and Prevention
CWD	Chronic Wasting Disease
CFR	Code of Federal Regulations
CRS	Community Rating System
CWPP	Community Wildfire Protection Plans
EAB	Emerald Ash Borer
EAP	Emergency Action Plan
EMAP	Emergency Management Accreditation Program
EPZ	Emergency Planning Zone
EF	Enhanced Fujita
EPA	Environmental Protection Agency
°F	Fahrenheit
FEMA	Federal Emergency Management Agency
HAZUS	FEMA Loss Estimation Software
FIRM	Flood Insurance Rate Map
GIS	Geographic Information System
GDP	Gross Domestic Product
HMGP	Hazard Mitigation Grant Program
HMP	Hazard Mitigation Planning
HazMat	Hazardous Materials
HD	Hemorrhagic Fever
KDA	Kansas Department of Agriculture
KDHE	Kansas Department of Health and Environment
KDOT	Kansas Department of Transportation
KDEM	Kansas Division of Emergency Management
KFS	Kansas Fire Service
KGS	Kansas Geological Survey
KSFM	Kansas State Fire Marshall
K.S.A	Kansas Statutes Annotated
KWO	Kansas Water Office
LEPC	Local Emergency Planning Committee
MPC	Mitigation Planning Committee
NCEI	National Centers for Environmental Information
NFIP	National Flood Insurance Program
NLCD	National Land Cover Database
NLD	National Levee Database
NLIR	National Levee Inventory Report
NLSP	National Levee Safety Program
NOAA	National Oceanic and Atmospheric Administration
NRCS	National Resource Conservation Service
NWS	National Weather Service



Acronym	Meaning
NSFHA	No Special Flood Hazard Area
NGO	Non-Governmental Organization
NRC	Nuclear Regulatory Commission
OHMS	Office of Hazardous Materials Safety
PDSI	Palmer Drought Severity Index
PHMSA	Pipeline and Hazardous Materials Safety Administration
PDM	Pre-Disaster Mitigation
PAL	Provisionally Accredited Levee
RL	Repetitive Loss
Risk MAP	Risk Mapping, Assessment and Planning
REC	Rural Electric Cooperative
SRL	Severe Repetitive Loss
SFHA	Special Flood Hazard Area
USD	Unified School District
USACE	United States Army Corps of Engineers
USDA	United States Department of Agriculture
USGS	United States Geological Survey
WUI	Wildland Urban Interface



1.0 Introduction, Assurances and Adoption

1.1 – Introduction

Mitigation is commonly defined as sustained action taken to reduce or eliminate long-term risk to people and their property from hazards and their effects. Hazard mitigation planning provides communities with a roadmap to aid in the creation and revision of policies and procedures, and the use of available resources, to provide long-term, tangible benefits to the community. A well-designed hazard mitigation plan provides communities with realistic actions that can be taken to reduce potential vulnerability and exposure to identified hazards.

This Hazard Mitigation Plan (HMP), in which participation is voluntary, was prepared to provide sustained actions to eliminate or reduce risk to people and property from the effects of natural and man-made hazards. This plan documents the State of Kansas Homeland Security Region L (hereafter referred to as Kansas Region L) and its participating jurisdictions planning process and identifies applicable hazards, vulnerabilities, and hazard mitigation strategies. This plan will serve to direct available community and regional resources towards creating policies and actions that provide long-term benefits to the community. Local and regional officials can refer to the plan when making decisions regarding regulations and ordinances, granting permits, and in funding capital improvements and other community initiatives.

Specifically, this hazard mitigation plan was developed to:

- Update the Kansas Region L 2014 Hazard Mitigation Plan
- Build for a safer future for all citizens
- Foster cooperation for planning and resiliency
- Identify, prioritize and mitigate against hazards
- Assist with sensible and effective planning and budgeting
- Educate citizens about hazards, mitigation and preparedness
- Comply with federal requirements

As stipulated in the Disaster Mitigation Act of 2000 (DMA 2000) Section 322, federally approved mitigation plans are a prerequisite for mitigation project grants. Development and Federal Emergency Management Agency (FEMA) approval of this plan will ensure future eligibility for federal disaster mitigation funds through the Hazard Mitigation Grant Program (HMGP), Pre-Disaster Mitigation Grant Program (PDM), Repetitive Flood Claims, and a variety of other state and federal programs. This Plan was prepared to meet the requirements of the DMA 2000, as defined in regulations set forth by the Interim Final Rule (44 CFR Part 201.6).

This plan has been designed to be a living document, a document that will evolve to reflect changes, correct any omissions, and constantly strive to ensure the safety of Kansas Region L.



1.2 – Participating Jurisdictions

44 CFR 201.6(a)(4): Multi-jurisdictional plans may be accepted, as appropriate, as long as each jurisdiction has participated in the process and has officially adopted the plan.

All eligible jurisdictions were invited to participate in the organization, drafting, completion and adoption of this plan. Invited jurisdictions included, but were not limited to, elected officials, relevant State of Kansas agencies, counties, cities, school districts, non-profit agencies, and businesses.

In order to have an approved hazard mitigation plan, DMA 2000 requires that each jurisdiction participate in the planning process. Each jurisdiction choosing to participate in the development of the plan were required to meet detailed participation requirements, which included the following:

- When practical and affordable, participation in planning meetings
- Provision of information to support the plan development
- Identification of relevant mitigation actions
- Review and comment on plan drafts
- Formal adoption of the plan

Based on the above criteria, the following jurisdictions participated in the planning process, and will individually as a jurisdiction adopt the approved hazard mitigation plan:

Table 1.1: Johnson County Participating Jurisdictions

Jurisdiction	2014 HMP Participant	2019 HMP Participant
Johnson County	X	X
City of DeSoto	X	X
City of Edgerton	X	X
City of Fairway	X	X
City of Gardner	X	X
City of Lake Quivira	X	X
City of Leawood	X	X
City of Lenexa	X	X
City of Merriam	X	X
City of Mission	X	X
City of Mission Hills	X	X
City of Mission Woods	X	X
City of Olathe	X	X
City of Overland Park	X	X
City of Prairie Village	X	X
City of Roeland Park	X	X
City of Shawnee	X	X
City of Spring Hill	X	X
City of Westwood	X	X
City of Westwood Hills	X	X



Table 1.1: Johnson County Participating Jurisdictions

Jurisdiction	2014 HMP Participant	2019 HMP Participant
Consolidated Fire District No. 2	X	X
Fire District No. 1	X	X
Fire District No. 2	X	X
Fire District No. 3	X	X
Johnson County Community College	X	X
Kansas School for the Deaf	X	X
University of Kansas Edwards Campus	X	X
Unified School District (USD) #229 – Blue Valley	X	X
USD #230 – Spring Hill	X	X
USD #231 – Gardner/Edgerton	X	X
USD #232 – DeSoto	X	X
USD #233 – Olathe	X	X
USD #512 – Shawnee Mission	X	X

Table 1.2: Leavenworth County Participating Jurisdictions

Jurisdiction	2014 HMP Participant	2019 HMP Participant
Leavenworth County	X	X
City of Basehor	X	X
City of Easton	X	X
City of Lansing	X	X
City of Leavenworth	X	X
City of Linwood	X	X
City of Tonganoxie	X	X
Rural Water District (RWD) 7	X	X
USD #207 – Fort Leavenworth	X	X
USD #449 – Easton	X	X
USD #453 – Leavenworth	X	X
USD #458 – Basehor-Linwood	X	X
USD #464 – Tonganoxie	X	X
USD #469 – Lansing	X	X
University of Saint Mary	X	X

Table 1.3: Wyandotte County Participating Jurisdictions

Jurisdiction	2014 HMP Participant	2019 HMP Participant
Unified Government of Wyandotte County and Kansas City, Kansas	X	X
City of Bonner Springs	X	X
City of Edwardsville	X	X
Board of Public Utilities	X	X
Kansas City Community College	X	X
Kansas School for the Deaf and Blind	X	X
Kansas University Medical Center	X	X
University of Kansas Hospital	X	X
USD #202 - Turner	X	X



Table 1.3: Wyandotte County Participating Jurisdictions

Jurisdiction	2014 HMP Participant	2019 HMP Participant
USD #203 - Piper		X
USD #204 – Bonner-Edwardsville	X	X
USD #500 – Kansas City, Kansas		X
Boys Scouts of America	X	X
Fairfax Drainage District		X
Kaw Valley Drainage District		X

Any Kansas Region L jurisdiction not covered in this HMP is either covered under another plan or declined to participate.

1.3 – Assurances

Kansas Region L and all participating jurisdictions certify that they will comply with all applicable Federal statutes and regulations during the periods for which it receives grant funding, in compliance with 44 CFR 13.11(c), and will amend its plan whenever necessary to reflect changes in State or Federal laws and statutes as required in 44 CFR 13.11(d).

This hazard mitigation plan was prepared to comply with all relevant the requirements of the Robert T. Stafford Disaster Relief and Emergency Assistance Act of 1988, as amended by the DMA 2000. This plan complies with all the relevant requirements of:

- Code of Federal Regulation (44 CFR) pertaining to hazard mitigation planning
- FEMA planning directives and guidelines
- Interim final, and final rules pertaining to hazard mitigation planning and grant funding
- Relevant presidential directives
- Office of Management and Budget circulars
- Any additional and relevant federal government documents, guidelines, and rules.

1.4 – Authorities

For all jurisdictions within Kansas Region L all authority is subject to prescribed constraints, as all of Kansas political subdivisions must not act without proper delegation from the State. However, cities and counties in Kansas have broad home rule powers. Local governments in Kansas have a wide range of tools available to them for implementing mitigation programs, policies, and actions. A local jurisdiction may utilize any or all of the following broad authorities granted by the State of Kansas:

- Regulation
- Acquisition
- Taxation
- Spending



In addition, Kansas local governments have been granted broad regulatory authority in their jurisdictions. Kansas Administrative Regulations bestow the general police power on local governments, allowing them to enact and enforce ordinances which define, prohibit, regulate or abate acts, omissions, or conditions detrimental to the health, safety, and welfare of the people, and to define and abate nuisances. Since hazard mitigation can be included under the police power (as protection of public health, safety, and welfare), towns, cities, and counties may include requirements for hazard mitigation in local ordinances. Local governments may also use their ordinance-making power to abate “nuisances”, which could include, by local definition, any activity or condition making people or property more vulnerable to any hazard.

The Kansas Region L HMP relies on the authorities given to it by the State of Kansas and its citizens as encoded in state law. This plan is intended to be consistent with all policies and procedures that govern activities related to the mitigation programming and planning. In all cases of primacy, State of Kansas laws, statutes, and policies will supersede the provisions of the plan. This HMP attempts to be consistent following:

- Kansas Constitution, Article 12 Section 5: Home rule powers
- Kansas Administrative Regulation 56-2: Standards for local disaster agencies
- 2016 Kansas Statutes, Chapter 12, Article 7: Allows cities and municipalities to designate flood zones and restrict the use of land within these zones
- 2016 Kansas Statutes Chapter 24, Article 12: Establishes watershed districts
- 2016 Kansas Statutes, Chapter 48, Article 9: Promulgating the Kansas Emergency Management Act, requiring counties to establish and maintain a disaster agency responsible for emergency management and to prepare a county emergency response plan
- 2016 Kansas Statutes, Chapter 65, Article 57: Promulgating the Kansas Emergency Planning and Community Right to-Know Act
- The Robert T. Stafford Disaster Relief and Emergency Assistance Act as amended by the Disaster Mitigation Act of 2000 (Public Law 106-390 – October 30, 2000)
- 44 CFR Part 201.6: Local mitigation plans

In addition, this plan will be consistent with all relevant federal authorities as well as Emergency Management Accreditation Program (EMAP) mitigation standards.

1.5 – Adoption Resolutions

44 CFR Requirement 201.6(c)(5): Documentation that the plan has been formally adopted by the governing body of the jurisdiction requesting approval of the plan (e.g., City Council, County Commissioner, Tribal Council). For multi-jurisdictional plans, each jurisdiction requesting approval of the plan must document that it has been formally adopted.

Upon review and approved pending adoption status by FEMA Region VII adoption resolutions will be signed by the participating jurisdictions and added to the Appendix documents. Additionally, the following table will be completed noting adoption date for each participating jurisdiction and, if applicable, resolution or adoption number.



Table 1.4: Jurisdictions of Johnson County Resolutions of Adoption

Jurisdiction	Adoption Date	Resolution or Adoption Number
Johnson County		
City of DeSoto		
City of Edgerton		
City of Fairway		
City of Gardner		
City of Lake Quivira		
City of Leawood		
City of Lenexa		
City of Merriam		
City of Mission		
City of Mission Hills		
City of Mission Woods		
City of Olathe		
City of Overland Park		
City of Prairie Village		
City of Roeland Park		
City of Shawnee		
City of Spring Hill		
City of Westwood		
City of Westwood Hills		
Consolidated Fire District No. 2		
Fire District No. 1		
Fire District No. 2		
Fire District No. 3		
Johnson County Community College		
Kansas School for the Deaf		
University of Kansas Edwards Campus		
USD #229 – Blue Valley		
USD #230 – Spring Hill		
USD #231 – Gardner/Edgerton		
USD #232 – DeSoto		
USD #233 – Olathe		
USD #512 – Shawnee Mission		

Table 1.5: Jurisdictions of Leavenworth County Resolutions of Adoption

Jurisdiction	Adoption Date	Resolution or Adoption Number
Leavenworth County		
City of Basehor		
City of Easton		
City of Lansing		
City of Leavenworth		
City of Linwood		
City of Tonganoxie		
RWD 7		



Table 1.5: Jurisdictions of Leavenworth County Resolutions of Adoption

Jurisdiction	Adoption Date	Resolution or Adoption Number
USD #207 – Fort Leavenworth		
USD #449 – Easton		
USD #453 – Leavenworth		
USD #458 – Basehor-Linwood		
USD #464 – Tonganoxie		
USD #469 – Lansing		
University of Saint Mary		

Table 1.6: Jurisdictions of Wyandotte County Resolutions of Adoption

Jurisdiction	Adoption Date	Resolution or Adoption Number
Unified Government of Wyandotte County and Kansas City, Kansas		
City of Bonner Springs		
City of Edwardsville		
Board of Public Utilities		
Kansas City Community College		
Kansas School for the Deaf and Blind		
University of Kansas Medical Center		
University of Kansas Hospital		
USD #202 - Turner		
USD #203 - Piper		
USD #204 – Bonner-Edwardsville		
USD #500 – Kansas City, Kansas		
Fairfax Drainage District		
Kaw Valley Drainage District		

While not required, private, non-profit and charitable organizations that independently participated in this planning effort are encouraged to adopt the plan.

Completed resolutions of adoption may be found with Kansas Division of Emergency Management (KDEM), the adopting jurisdiction, and in Appendix A.



2.0 Planning Process

2.1 – Documentation of the Planning Process

44 CFR 201.6(c)(1): Documentation of the planning process used to develop the plan, including how it was prepared, who was involved in the process, and how the public was involved.

In September of 2018, Kansas Region L and its participating jurisdictions began the process to update the Kansas Region L 2014 HMP. It was determined that Jeanne Bunting, the State of Kansas Hazard Mitigation Planner would serve as the project manager, directing this plan update, and would act as the primary point-of-contact throughout the project.

The State of Kansas contracted with Blue Umbrella Solutions to assist in updating the 2014 Kansas Region L HMP. Blue Umbrella's roles included:

- Ensure that the hazard mitigation plan meets all regulatory requirements
- Assist with the determination and ranking of hazards
- Assist with the assessment of vulnerabilities to identified hazards
- Assist with capability assessments
- Identify and determine all data needs and solicit the information from relevant sources
- Assist with the revision and development of the mitigation actions
- Development of draft and final planning documents

Kansas Region L and its participating jurisdiction undertook the following steps to update and create a robust HMP:

- Review of the 2014 Kansas Region L HMP
- Review of the 2015 Mid-America Regional Council (MARC) HMP
- Review of the MARC Metropolitan Emergency Managers Committee Regional Coordination Guide
- Review of current related planning documents
- Delivery of organizational and planning meetings
- Solicitation of public input as to plan development
- Assessment of potential risks
- Assessment of vulnerabilities and assets
- Development of the mitigation actions
- Development of a draft multi-hazard mitigation plan
- Implementation, adoption, and maintenance of the plan

The process established for this planning effort is based on DMA 2000 planning and update requirements and the FEMA associated guidance for hazard mitigation plans. The FEMA four step recommended mitigation planning process, as detailed below, was followed:

1. Organize resources
2. Assess risks



3. Develop a mitigation plan
4. Implement plan and monitor progress

To accomplish this, the following planning process methodology was followed:

- Inform, invite, and involve other mitigation plan stakeholders throughout the state, including federal agencies, state agencies, regional groups, businesses, non-profits, and local emergency management organizations.
- Conduct a thorough review of all relevant current and historic planning efforts
- Collect data on all related state and local plans and initiatives. Additionally, all related and relevant local plans were reviewed for integration and incorporation.
- Develop the planning and project management process, including methodology, review procedures, details about plan development changes, interagency coordination, planning integration, and the organization and contribution of stakeholders.
- Develop the profile of the county and participating jurisdictions.
- Complete a risk and vulnerability assessment using a Geographic Information System (GIS) driven approach using data from various local, state and federal agency resources.
- Develop a comprehensive mitigation strategy effectively addressing their hazards and mitigation program objectives. This included identifying capabilities, reviewing pre and post disaster policies and programs, identifying objectives and goals, identifying mitigation actions and projects, and assessing mitigation actions and projects.
- Determination and implementation of a plan maintenance cycle, including a timeline for plan upgrades and improvements.
- Submission of the plan to FEMA Region VII for review and approval and the petition all participating jurisdictional governments for a letter of formal plan adoption.

2.2 – 2019 Plan Changes

44 CFR 201.6(d)(3): A local jurisdiction must review and revise its plan to reflect changes in development, progress in local mitigation efforts, and changes in priorities, and resubmit it for approval within 5 years in order to continue to be eligible for mitigation project grant funding

The Kansas Region L HMP has undergone significant revision and upgrading since its last edition. Not only has the region made significant efforts to improve the functionality and effectiveness of the plan itself but is has significantly improved its hazard mitigation program. This grants the region's improved and robust hazard mitigation program a better base to further mold and improve its mitigation strategy over the next five years.

As part of this planning effort, each section of the previous mitigation plan was reviewed and completely revised. The sections were reviewed and revised against the following elements:

- Compliance with the current regulatory environment
- Completeness of data
- Correctness of data



- Capability differentials
- Current state environment

In addition to data revisions, the format and sequencing of the previous plan was updated for ease of use and plan clarity.

During this process, and after a thorough review and discussion with all participating jurisdictions and stakeholders, it was determined that the priorities of the overall community in relation to hazard mitigation planning have not changed during the five years of the previous planning cycle.

2.3 – Mitigation Planning Committee

Upon project initiation a mitigation planning committee (MPC), generally consisting of participating county emergency managers, was formed. From project inception to completion, the MPC was involved in each major plan development milestone, and fully informed through on-site meetings and electronic communication. Prior to the plan's submission to FEMA, the MPC was invited to review the plan and provide input.

In general, all MPC members were asked to participate in the following ways:

- Provide local engagement with all participating jurisdictions
- Attend and participate in meetings
- Assist with the collection of data and information
- Review planning elements and drafts
- Integrate hazard mitigation planning elements with other planning mechanisms
- Facilitate jurisdictional coordination and cooperation
- Assist with the revision and development of mitigation actions

MPC members who were unable to attend meetings due to budgetary or personnel constraints were contacted via email or phone to discuss hazard mitigation planning, including the process, goals, mitigation actions, local planning concerns and plan review.

Each MPC member was thoroughly interviewed regarding their jurisdiction's and sub-jurisdiction's mitigation related activities. These interviews were invaluable in fully integrating the resources necessary to produce this plan, document mitigation activities, and document the mitigation resources available to better increase resiliency.

Additionally, the MPC was used as a conduit to solicit input from all participating jurisdictions under the county. Where appropriate, the MPC solicited the assistance of technical experts from various agencies and groups. When the MPC updated and improved the plan's mitigation strategy, personnel from strategically selected agencies were interviewed to provide input on their mitigation capabilities.

The following participants were selected for the MPC.



Table 2.1: Kansas Region L Mitigation Planning Committee

Participant	Title	Organization
Cary Gerst	Assistant Director, Planning	Johnson County
Chuck Magaha	Emergency Management Director	Leavenworth County
Matt May	Emergency Management Director	Wyandotte County
Jeanne Bunting	Mitigation Planner	State of Kansas
Matt Eyer	President (Plan Author)	Blue Umbrella Solutions

2.4 – Jurisdictional Representation

Each participating jurisdiction delegated a point of contact to represent that jurisdiction during the planning process. From project inception to completion these representatives were kept fully informed concerning the planning process, milestones, and participation requirements. In general, jurisdictional representatives were asked to participate in the following ways:

- If possible, attend and participate in meetings
- Provide jurisdiction specific data and information
- Review planning elements and drafts
- Integrate hazard mitigation planning elements with jurisdictional planning mechanisms
- Assist with the revision and development of mitigation actions

The following details jurisdictional representation.

Table 2.2: Johnson County Jurisdictional Representatives

Jurisdiction	Representative	Title
City of DeSoto	Steve Chick Jr.	Emergency Manager
City of Edgerton	Trey Whitaker	Public Works Superintendent
City of Fairway	David Brown	Chief of Police
City of Gardner	Lee Krout	Lieutenant of Operations
City of Lake Quivira	Erin Leckey	City Administrator
City of Leawood	Colin Fitzgerald	Deputy Chief
City of Lenexa	Tom Jacobs	Stormwater Engineer
City of Merriam	Todd Allen	Captain (EM Liaison)
City of Mission	Dan Madden	Captain (EM Liaison)
City of Mission Hills	Jennifer Lee	Assistant City Administrator
City of Mission Woods	Dan Madden	Captain (EM Liaison)
City of Olathe	Kevin Weyand	Division Chief
City of Overland Park	Kyle Burns	Emergency Manager
City of Prairie Village	James Carney	Field Superintendent
City of Roeland Park	John Morris	Chief of Police (EM Liaison)
City of Shawnee	Matt Epperson	Emergency Services Chief
City of Spring Hill	Jose Leon	Asst, City Administrator for Public Works
City of Westwood	Greg O'Halloran	Chief of Police
City of Westwood Hills	Beth O'Bryan	City Clerk/Administrator
USD #229 – Blue Valley	Sidney Cumberland	Risk Manager



Table 2.2: Johnson County Jurisdictional Representatives

Jurisdiction	Representative	Title
USD #230 – Spring Hill	Tim Meek	Dir. Construction and Safety
USD #231 – Gardner/Edgerton	Pam Stranatha	Superintendent
USD #232 – DeSoto	Alvie Cater	Assistant Superintendent
USD #233 – Olathe	Ric Castillo	Manager of Safety and Security
USD #512 – Shawnee Mission	Dr. Michael Fulton	Superintendent

Table 2.3: Leavenworth County Jurisdictional Representatives

Jurisdiction	Representative	Title
City of Basehor	Gene Myracle Jr	Superintendent, Public Works
City of Easton	Bobby Watkins	Mayor
City of Lansing	Mike Dickason	Police Lieutenant
City of Leavenworth	Mike McDonald	Director, Public Works
City of Linwood	Brian Christenson	Mayor
City of Tonganoxie	Greg Lawson	Police Chief
USD #207 – Fort Leavenworth	Keith A. Mispagel	Superintendent
USD #449 – Easton	Tim Beying	Superintendent
USD #453 – Leavenworth	Matt Dedekre	Superintendent
USD #458 – Basehor-Linwood	David Howard	Superintendent
USD #464 – Tonganoxie	Loren Feldkamp	Superintendent
USD #469 – Lansing	David Bresser	Emergency Preparedness Coord.

Table 2.4: Wyandotte County Jurisdictional Representatives

Jurisdiction	Representative	Title
City of Bonner Springs	Amber McCullough	Assistant City Manager
City of Edwardsville	Tim Whitham	Fire Chief
USD #202 - Turner	Joe Peterson	Transportation Supervisor
USD #203 - Piper	Jenny Hurley	Dir. HR and Communications
USD #204 – Bonner-Edwardsville	Dan Brungardt	Superintendent
USD #500 – Kansas City, Kansas	Henry Horn	EM Senior Coordinator

2.5 – Local and Regional Stakeholder Participation

44 CFR Requirement 201.6(b)(2): An opportunity for neighboring communities, local and regional agencies involved in hazard mitigation activities, and agencies that have the authority to regulate development, as well as businesses, academia and other private and non-profit interests to be involved in the planning process

Within Kansas Region L there are many jurisdictions and organizations who have a vested interest in participating in the creation and adoption of the hazard mitigation plan. An integral part of the planning process included the identification, development, and coordination of these entities. The Kansas Region L MPC provided the opportunity for neighboring communities, counties, county assessors, and local and regional development agencies to be involved in the planning process. Where applicable, these entities



were kept informed of the hazard mitigation process during state, regional and local emergency management meetings, gatherings and conferences, in person by MPC members, or were solicited for planning information.

It is worth noting that all neighboring Kansas counties are undergoing a similar mitigation planning effort, and as part of this statewide process all county and state planners are working together toward common mitigation goals. During the creation and adoption of this plan communication channels were opened to facilitate the cross pollination of ideas, to incorporate neighboring regions concerns, and to ensure the overall preparedness of the State of Kansas.

In addition, relevant federal, regional, state, local governmental, and private and non-profit entities were also invited to provide input and utilized for information and technical expertise, including, but not limited to:

- American Red Cross
- Center for Disease Control
- FEMA
- Kansas Adjutant General's Office
- Kansas Department of Agriculture, the Kansas Department of Health and Environment
- Kansas Department of Transportation
- Kansas Fire Service, Kansas Water Office
- Kansas Geological Survey
- Kansas State Fire Marshall
- Local and county planning and zoning offices (where available).
- Local business and non-profit entities
- National Oceanic and Atmospheric Administration
- National Weather Service
- Nuclear Regulatory Commission
- Pipeline and Hazardous Materials Safety Administration
- Salvation Army
- United States Army Corp of Engineers, National Resource Conservation Service
- United States Department of Agriculture
- United States Geological Survey

2.6 – Public Participation

44 CFR Requirement 201.6(b): An open public involvement process is essential to the development of an effective plan. In order to develop a more comprehensive approach to reducing the effects of natural disasters, the planning process shall include: (1) An opportunity for the public to comment on the plan during the drafting stage and prior to plan approval

As part of the overall planning process, the public were provided with numerous opportunities to contribute and comment on the creation and adoption of the plan. These opportunities included:



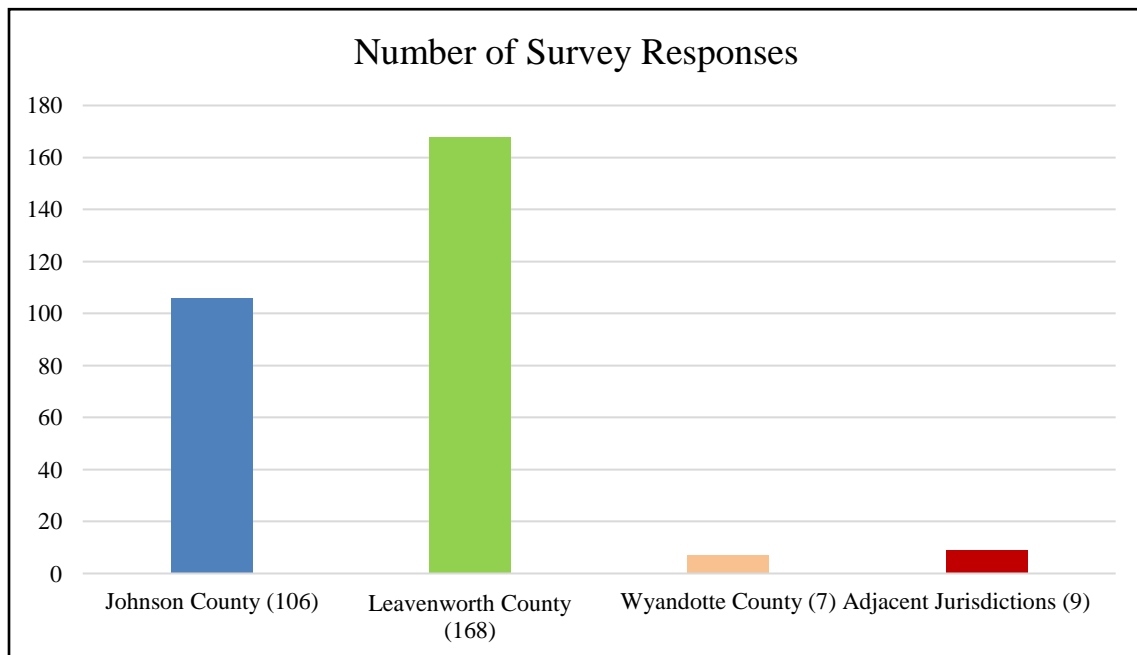
- Advertised meeting invitations on participating jurisdictional websites
- Open meeting opportunities with Kansas Region L MPC members
- Access to an online survey document to provide feedback during the entire planning period
- One-week comment period upon completion of draft plan

Input from the general public provided the MPC with a clearer understanding of local concerns, increased the likelihood of citizen buy-in concerning proposed mitigation actions, and provided elected officials with a guide and tool to set regional ordinances and regulations. This public outreach effort was also an opportunity for adjacent jurisdictions and entities to be involved in the planning process.

Additionally, as citizens were made more aware of potential hazards and the local process to mitigation against their impacts, it was believed that they would take a stronger role in making their homes, neighborhoods, schools, and businesses safer from the potential effects of natural hazards.

The following graphics represents the feedback received from the public from the online survey document.

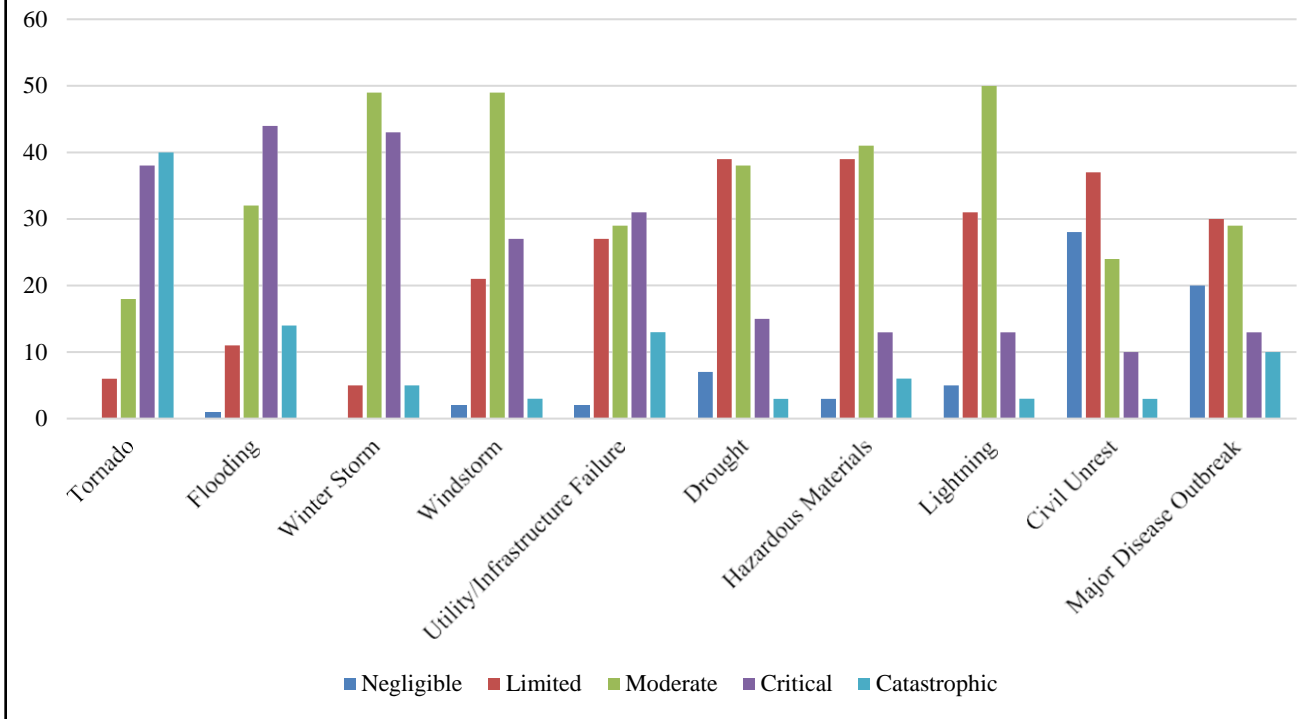
Question 1: In which county or jurisdiction do you live?



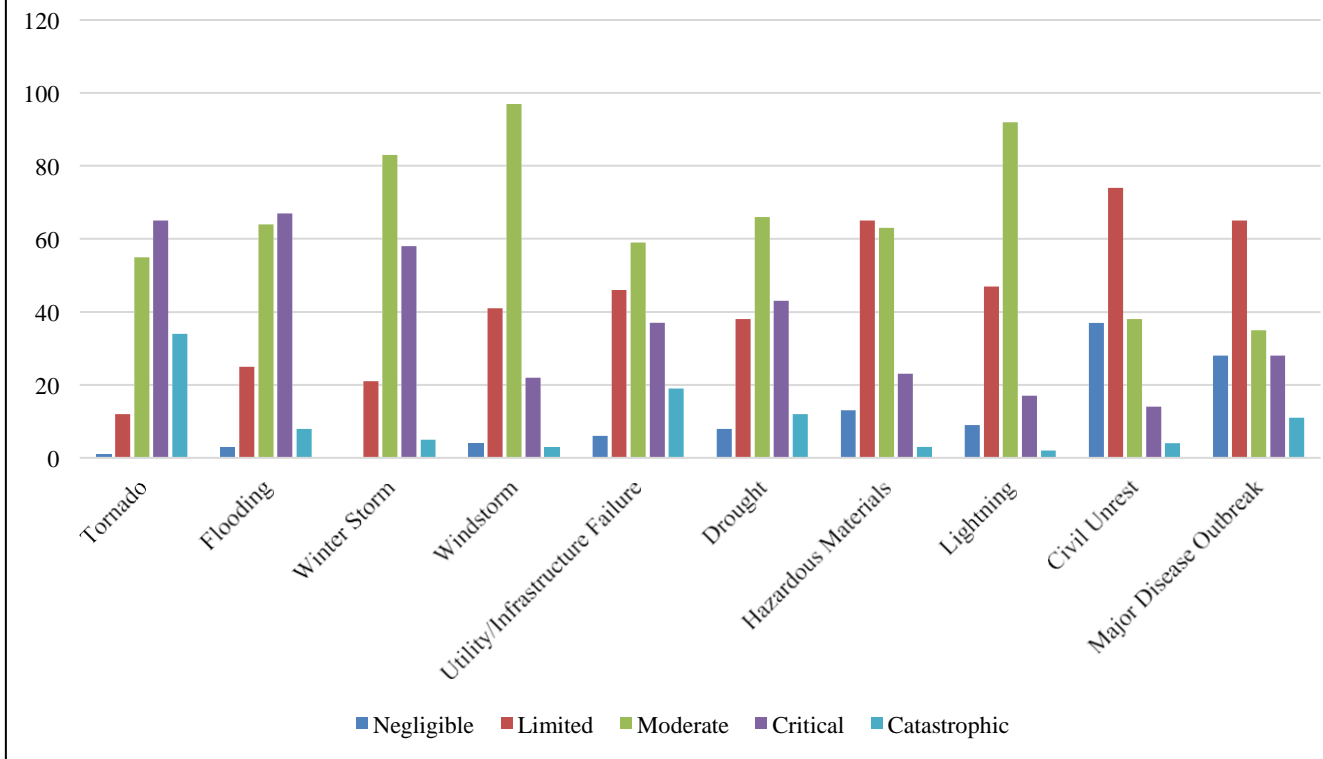
Question 2: In 2014, the Region consisting of Johnson, Leavenworth and Wyandotte counties, the planning committee determined that the hazards listed below are important to the area. Indicate the level of risk, or the scope of potential impacts, in the Region, that you perceive for each hazard:



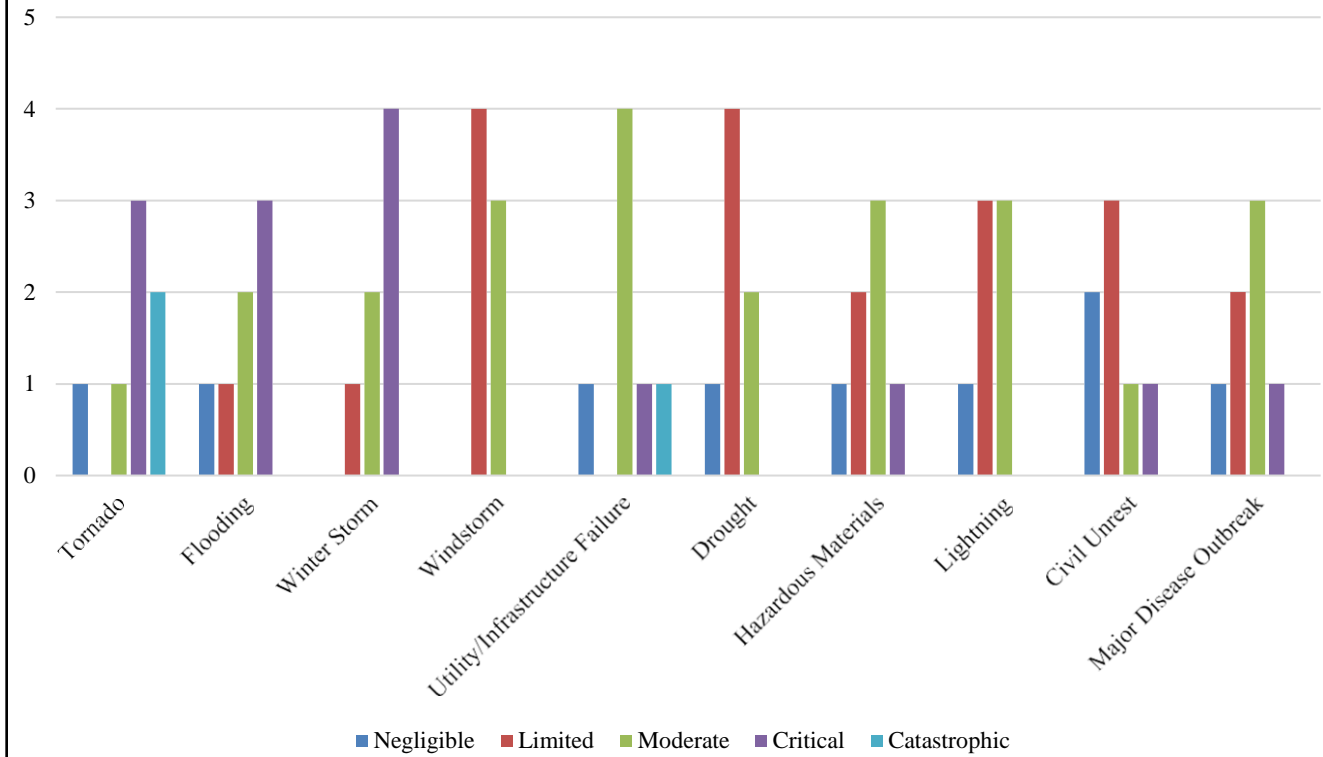
Johnson County, Potential Scope of Hazard Impact



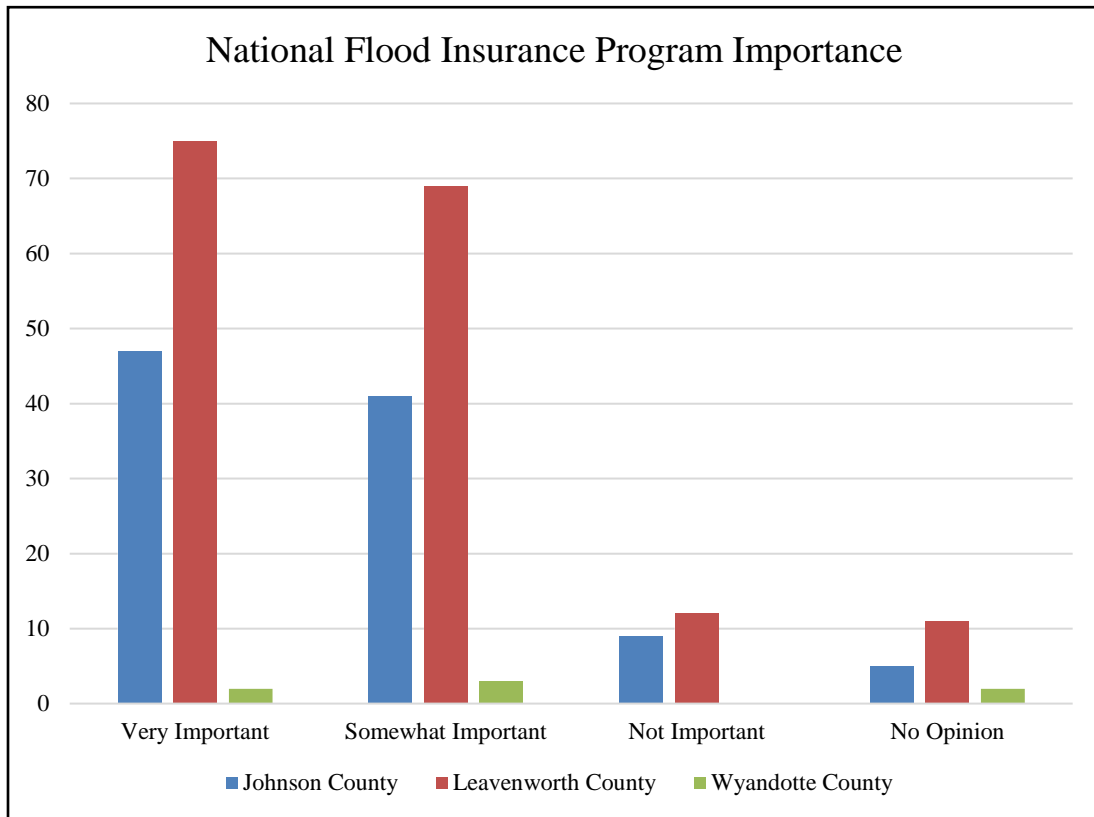
Leavenworth County, Potential Scope of Hazard Impact



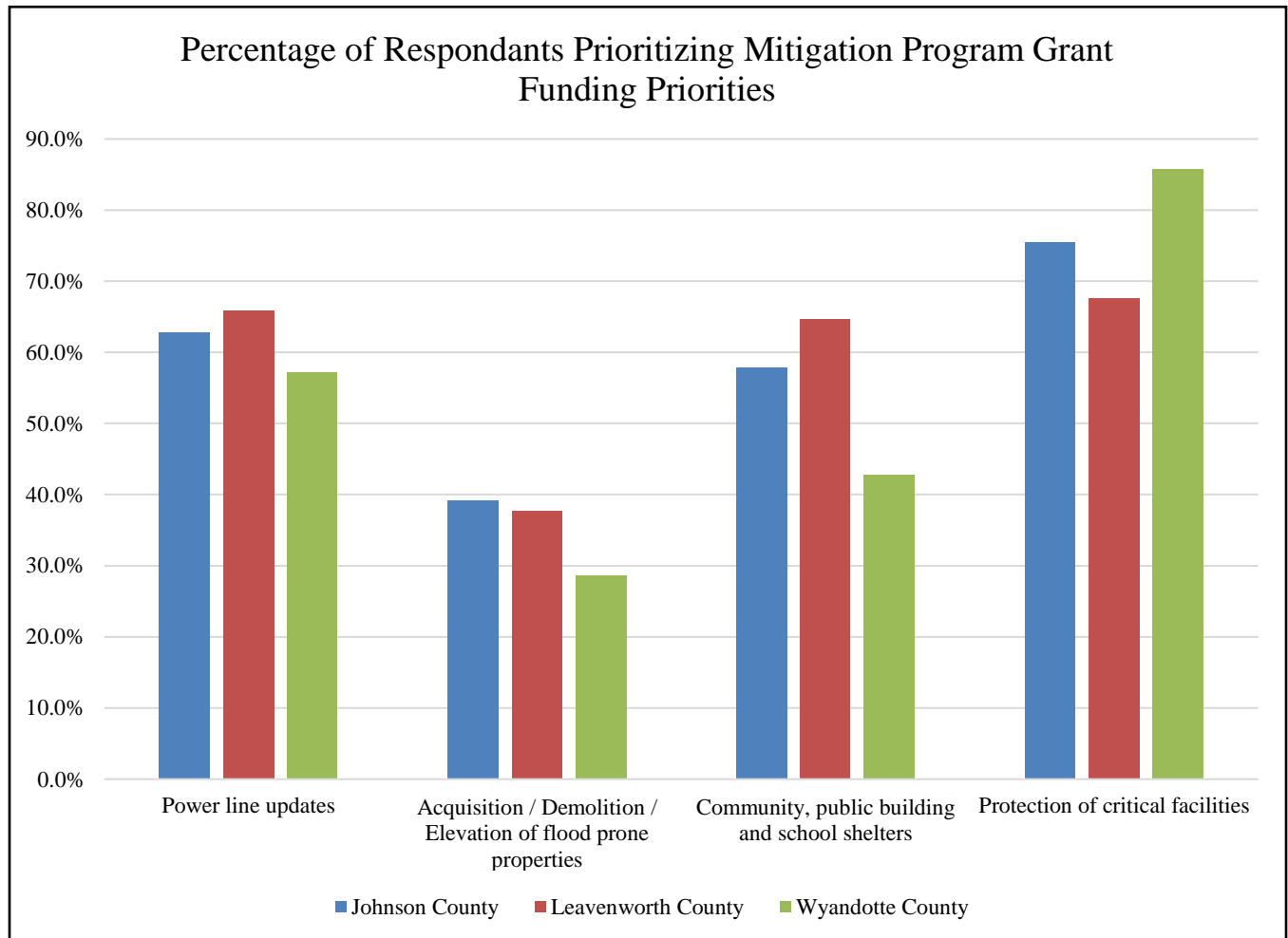
Wyandotte County, Potential Scope of Hazard Impact



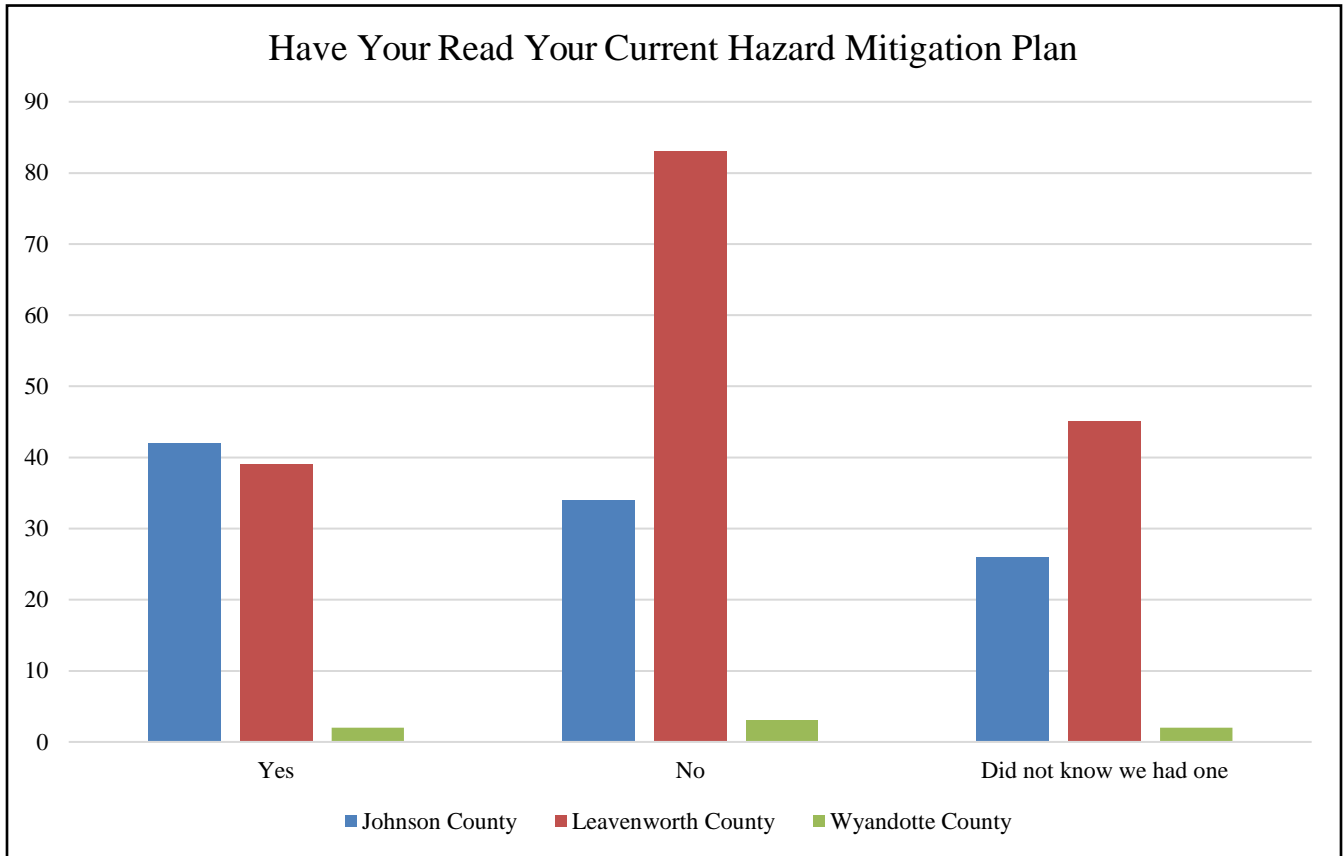
Question 3: In the Region, the planning committee has determined that a flood event is the second most critical hazard. How important is it for you to have your community participate in or continue to participate in the National Flood Insurance Program?



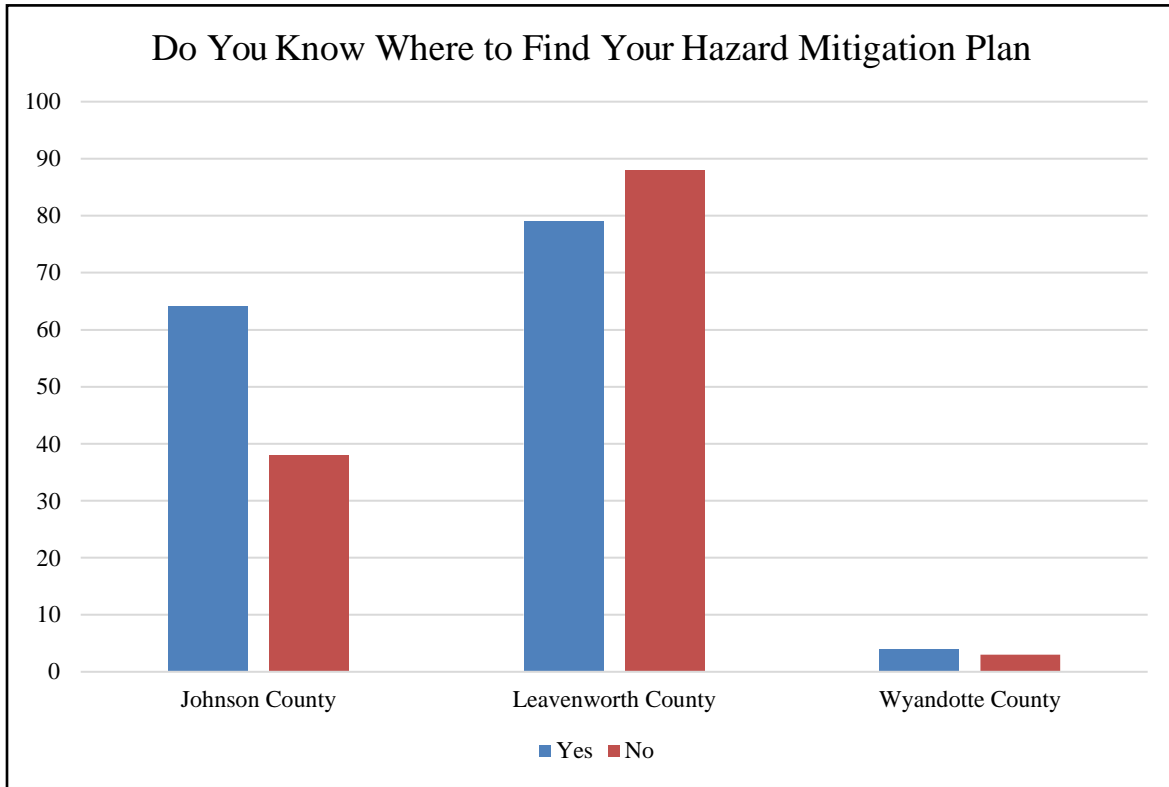
Question 4: The Kansas Division of Emergency Management currently reviews the application for funds for the FEMA Risk Mitigation Grant Program. Your current funding priorities are listed below. Please check those that could benefit your community.



Question 5: Have you had the opportunity to read your current Risk Mitigation Plan?



Question 6: Do you know where you can find the mitigation plan for your county if you would like to see it?



Question 7: Your opinion is valuable to this planning process. Discuss any other problems that the planning committee should consider when developing a strategy to reduce future losses caused by natural hazard events.

Johnson County

- Be aware of older areas of Johnson County with primarily above-ground utility lines and mature trees. Consider special arrangements with public buildings (city halls, libraries, schools) to ensure power at common locations where residents may seek shelter if needed.
- Debris management has always been a huge issue in numerous weather events for every city to handle.
- Electrical and communication infrastructure are both susceptible to wind/tornado/flooding/winter weather and the local power companies have shown that while they can occasionally perform feats of wonder in getting people back on-line, we have seen that they have a difficult time getting past 75-80% restoration in a short time-span. Power problems multiply out to public health problems and a need for shelter (especially in the winter).
- Electrical grid failure, whether through severe storms or EMP.
- Ensuring emergency transportation is included and all applicable area transportation entities.
- Extreme heat (cooling centers & education), wildfires
- I feel all topics were covered.



- I think an abbreviated version of the mitigation plan would be nice. It is difficult to digest the full plan for the layperson.
- I think for many, telecommunications after a major event is a primary concern. With the reliance of cell phones that restoration of cell towers is an early priority so people can find the other resources.
- I think one of the biggest risks is the water/sewer lines and power lines.
- Ice storm
- I'm certain you've covered this but anticipating the effect of climate change on the increased intensity of weather events.
- I'm primarily concerned with the worsening and increasingly random weather events we're experiencing. Things are becoming less predictable and weather events are becoming more severe. I'm not confident we have infrastructure in place to withstand our weather becoming more brutal. I worry about flooding, I worry about tornadoes, but I also worry about our power, water, and heat delivery systems and the beating they're going to take moving into the future.
- Impact climate change has and will continue to have on frequency/severity of weather events. Also, give consideration to how threats/impacts will change because of this.
- Increase coverage outdoor warning devices. Additional electronic signage on interstates and major parkways and boulevards
- Increased public education
- Not everyone in Kansas was born in Kansas. It would be beneficial if communities/apartment complexes/public gathering places had handouts available for folks who know how to protect themselves and their property in an earthquake...but have no clue of what to do in a tornado. (The protection plan is almost the complete opposite of one another in those situations...and I learned that after the EF-1 tornado on May 2 struck our apartment complex...literally right over my head (on the top floor of our complex). I learned the next day of what to do during a tornado. This information should be made WIDELY available to everyone (and yet it isn't). Some people weren't born in the Midwest. Might be nice if new residents could be educated regarding tornado safety, too.
- People without access to a storm shelter. There needs to be a way for people to identify public shelters and those are publicized.
- Permeable sustainable infrastructure. Getting water where it needs to go considering both upstream and downstream users. Cost effective watershed management including combined sewer overflow.
- Please consider how Low income and/or elderly people that have few resources to evacuate or shelter in place.
- The utility/infrastructure system needs to be updated to reduce vulnerability from human and natural interruptions/destruction.
- We just need to realize where we can and can't build homes that will be impacted down the road. We have houses being built in the 500 year flood plans and we have had numerous floods.

Leavenworth County

- Keep the public involvement a priority
- Additional public included emergency exercises. Do one downtown with hundreds of participants to help prepare the community
- Communication is vital in our rural area.



- community participation, education, apathy
- Consider what personnel have overlapping duties between agencies or immediate family members involved in emergency response - could an out of town death have an entire family unavailable for response?
- Cyber attacks
- Due to the location of Leavenworth, evaluation of resources, companies and travel if an event were to impact a major area, how would these services reach the community if a bridge were impacted or railway was offline.
- Eastern Kansas is a major rail hub for the US. Does coordination with the railroads occur to mitigate damage as a result of natural or man-made disasters? What mitigation measures are underway to account for climate change? Fewer, but more severe storms are already being observed. Drinking water supply and security is a concern.
- Embed local weather updates in municipality websites.
- Expand tornado warnings through social media.
- Flash Flooding is underrated as a threat to our Community
- Flooding in Basehor is limited due to geographic advantages. High winds or the tornado threat are an occasional threat.
- flooding This is caused by the bridges that come into are town it was not engineered right it should have been one bride not two. I think this is the big problem to are town flooding problem.
- Food and water emergency distribution plan.
- I believe that the above has covered all issues
- I believe they do a great job. I'm sure there are numerous issues the general public are not even aware of, including myself. I know that electrical service is restored ASAP and emergency services handle an enormous burden at those times and thank God for them.
- I feel we are unprepared for emergencies, both natural and man-made. Historically, our local governing bodies and emergency response departments have built metaphorical "walls" instead of "bridges" throughout the county. We must all work together toward a common goal that is in the public's best interest. Our law enforcement, fire, and EMS agencies are struggling to recruit and retain qualified personnel. Many of our agencies have less-than-spectacular reputations with our KC Metro-area peers and we are often referred to as "training departments," meaning our employees only stay long enough to get a job at higher-paying departments in the KC metro area. Many fire departments are still reliant on volunteers, who in some cases aren't available or interested in acquiring basic certifications and training.
- Information technology infrastructure
- Interoperability and resource outreach
- It's Kansas, we never know what we will have happen here, better to be prepared for it then regret it later. I just think they should look into doing the most they can to help prepare our community. Weather has gotten even more unpredictable lately.
- Keep us informed
- Maybe more attention on providing safe drinking water in relation to a potential biochemical attack.
- More aid to the lower-class municipalities for mitigation actions
- None let them do their job
- Please do not waste taxpayer money.



- Think about earthquakes
- Tornado sirens 2009 Tornado hit my house with NO warning. Since then nothing has been added. When they test you can't hear them. Also, Hemphill Road has turned into a cross road since the I-70 interchange was built. Need to pave Hemphill rd.
- Tornado sirens. There are no audible sirens in the northern part of the county that can be heard in case of emergency
- Water lines located within LV county are not sufficient and need updating. Attempting to build in the county is a nightmare as the current infrastructure cannot handle additional facilities. This needs updating before costs get out of control.
- Weather threat to safe aircraft passage in/out of KCI and over the county.
- Well labeled evacuation routes (for floods, fire)
- what about other hazards such as prison or prisoner-related events or active-shooters? Preparedness activities for health care providers?
- Wide spread uncontrolled fire event.

Wyandotte County

No responses.

Question 8: Do you have any mitigation project that you would like to see implemented and what are they?

Johnson County

- 1)Acquisition of property in flood prone area. 2) Do not allow building of residential or commercial property in flood prone areas.
- A move to underground infrastructure.
- Additional public education
- Being a water sensitive city or identifying the integrative path which may consider identifying becoming a water sensitive city within 20-50 years. Implementing commercial (inviting new businesses in) planning with green initiative to reward businesses for taking a part in the urban water management to slow down the runoff from their paved properties, building's roof tops, etc. and reducing the impact to the combined sewer overload.
- City of De Soto depends on sewer pump stations in a disaster we will need emergency power for up to seven pump stations to prevent sewer backups.
- Continue SMAC funding within Johnson County
- Flooding seems to be a critical problem in our area. Development decisions and decisions related to our transportation infrastructure do not seem to be including design guidelines to prevent flooding. The new development that is taking place and the expansion of the highways and other roadways seems to be adding more and more impervious surface in Johnson County - and then we are surprised that placed like 103rd and State Line flood.
- Indian creek flood plain planning. Ensure storm sewers can handle heavy rains and that creek overflow doesn't back up into nearby homes
- More flood mitigation projects.
- More green space in flood prone areas



- More native grassland to absorb floodwaters in all JoCo watersheds.
- Perhaps adding additional "natural" wetlands or habitats for flood control vs. a grass pit or concrete storm sewers.
- RE: Our utility systems -- It makes sense to me to find ways to make these systems more self-contained and more robust. Every home should have solar and wind power. Furnaces and water heaters should be electric with battery backups. Etc.
- Two issues that come to mind: (1) consideration of storm drainage from highways DURING MAINTENANCE AND UPGRADES (lanes are often rerouted, temporary jersey barriers installed, etc. without sufficient regard to what impact the temporary changes will have on storm water drainage such that temporary flooding of areas not usually flooded can result during high precipitation events) and (2) maintenance of existing storm drainage systems from highways (many water inlet grates become plugged with trash which washes onto them during precipitation events [and some have small trees growing out of them!] thus causing temporary flooding on highways not usually flooded). These issues can cause sudden hydroplaning and loss of control thus resulting in property damage and potential personal injury.
- What can the region do to reduce environmental impact? Natural hazards are going to happen and we should look at those mitigation tactics too, but can we also look at current practices to ensure we're not contributing to making things worse?
- Wildland risk assessment for JoCo.

Leavenworth County

- Safe rooms in all schools and flood prone property be acquired
- Auto stream gauge on Stranger Creek at Potter in Atchison County. What's happening at Potter will affect Easton in a matter of hours.
- Ensure coms are set up, 2-way battery operated radios as backup. Be aware of local store equipment as forklifts are invaluable in unloading supplies.
- Flooding prevention-work along the Missouri River Banks in some critical areas
- I do not have a mitigation project.
- I would encourage setting the 500-year base flood elevation in place of the 100-year. Native American communities in the Southwest built their pueblos outside of the floodplain because they grew tired of repeatedly losing everything. They learned the consequences of building in the floodplain.
- Improve 3-Mile Creek drainage basin to prevent flooding from Shawnee Street upstream to 20th Street
- More buried power lines
- No. I appreciate the work that Emergency Management does. The responses I have seen to crises has been excellent.
- Paved North/South roads West of Stranger Creek for access during flooding.
- Please push for adequate funding through grants and department consolidations, requirements for training/certifications/credentialing, and unity across governing bodies and emergency response departments. Thank you for seeking feedback from the community.
- Road repair, there are still lots of pot-holes that are deep.
- Safe room for new construction, Leavenworth Public Schools



- Safe shelters
- Stranger Creek flood control.
- The natural gas pipeline in Kickapoo township- perhaps residents need a greater awareness?
- Tornado sirens, Improve gravel roads near I-70 interchange.
- Yes. Backup 911 center

Wyandotte County

No responses.

2.7 – Planning Meetings

Within Kansas Region L there are many jurisdictions and organizations who have a vested interest in participating in the creation and adoption of the hazard mitigation plan. An integral part of the planning process included the identification, development, and coordination of all these entities. As such, a series of three organizational and planning meetings were scheduled and all past and potential future participants were notified by the State of Kansas as to the dates and locations of the meetings. In addition, communities neighboring the region were invited to participate in the planning process.

It is worth noting that all neighboring Kansas counties are undergoing a similar mitigation planning effort, and as part of this statewide process all county and state planners are working together toward common mitigation goals. During the creation and adoption of this plan communication channels were opened to facilitate the cross pollination of ideas, to incorporate neighboring regions concerns, and to ensure the overall preparedness of the State of Kansas.

A series of kick-off meetings were held with MPC members, available representatives from jurisdictions within the planning region, local and regional stakeholders, and the public invited. At the kickoff meeting, the planning process, project coordination, scope, participation requirements, strategies for public involvement, and schedule were discussed in detail. During the meeting, participants were led through a guided discussion concerning hazard data sourced from their previous hazard mitigation plans. Additionally, research was conducted prior to the meeting on recent regional hazard events to further inform the discussion. Participants were encouraged to discuss past hazard events, past impacts, and the future probability for all identified hazards. At the conclusion of the meeting, all participants were provided with a data collection forms to solicit information needed to properly complete the HMP. The forms asked for information concerning data on historic hazard events, at risk populations and properties, and available capabilities. Additionally, participating jurisdictions were provided with their mitigation actions from the previous plans for review and comment and asked to identify any additional mitigation actions.

A mid-term planning meeting was held with MPC members. Based upon the initial research, discussions held during the kickoff meetings, information obtained from the data collection forms, additional research, and subsequent discussion with MPC members, the results of the hazard identification, classification, and delineation were discussed in detail. In addition, sections of the HMP were made available for review and comment. Based on the supplied hazard information, participants were asked to assist in the development and review of mitigation goals and actions.



A final planning meeting was held with MPC members, available representatives from jurisdictions within the planning region, local and regional stakeholders, and the public invited. The completed draft HMP was made available for review and comment.

The following table presents the date and location of each planning meeting.

Table 2.5: HMP Planning Meetings

Meeting Number	Date	Location
1 (Kickoff)	09/10/2018	Johnson County
	09/17/2018	Leavenworth County
	09/17/2018	Wyandotte County
2 (Mid-Term)	12/05/2108	Johnson County
3 (Final)	02/11/2019	Wyandotte County

Both the minutes and sign-in sheets from all meetings may be found in Appendix C.

2.8 – Existing Plan Incorporation

44 CFR 201.6(b)(3): Review and incorporation, if appropriate, of existing plans, studies, reports, and technical information.

The hazard mitigation plan is an overarching document that is both comprised of, and contributes to, various other jurisdictional plans. In creating this plan, all the planning documents identified below were consulted and reviewed, often extensively. In turn, when each of these other plans is updated, they will be measured against the contents of the hazard mitigation plan.

Below is a list of the various planning efforts, sole or jointly administered programs, and documents reviewed and included in this hazard mitigation plan. While each plan can stand alone, their review and functional understanding was pivotal in the development of this plan and further strengthens and improves Kansas Region L’s resilience to disasters.

- All participating jurisdictions Codes and Ordinances
- All participating jurisdictions Comprehensive Plans
- All participating jurisdictions Critical Facilities Plans
- All participating jurisdictions Economic Development Strategic Plans
- All participating jurisdictions Emergency Operations Plans
- All participating jurisdictions Flood Mitigation Assistance Plan
- All participating jurisdiction Land-Use Plans
- Community Wildfire Protection Plans
- Any other newly created or relevant jurisdictional plan

Information from each of these plans and programs is utilized within the applicable hazard sections to provide data and fully inform decision making and prioritization.



State and Federal Level Plan Integration

The following list illustrates local, state and federal programs integrated, where applicable, and referenced in Kansas Region L's mitigation efforts.

- State of Kansas Hazard Mitigation Plan
- Hazard Mitigation Grant Program
- Flood Mitigation Assistance Program
- National Flood Insurance Program
- Pre-Disaster Mitigation Program
- Repetitive Loss & Severe Repetitive Loss Program
- FireWise Communities Program
- Relevant Dam Emergency Action Plans (if document not secured)
- Community Rating System

Regional Level Plan Integration

The MARC Regional Coordination Guide (RCG) is an all-hazard, capabilities-based guide designed to address any of the hazards potentially affecting the metro area. The RCG ensures that a series of formal actions are in place to facilitate communication and cooperation between the many agencies and organizations in the region that might be involved in emergency events that require some degree of regional coordination. Participation in the activities described in the RCG is voluntary and the RCG is not intended to be an operational document. The RCG is organized using a Base Guide and 15 Emergency Support Function annexes. The Base Guide provides the overall organizational structure for regional coordination, while the ESF annexes address the regional issues associated with specific emergency functions. The RCG was developed with oversight from the MEMC Plans Subcommittee and support from planning task forces and workgroups comprised of local government officials, response personnel, voluntary agency representatives and members of the private sector. In addition, the regional coordination protocols described in the RCG have been endorsed by the Regional Homeland Security Coordinating Committee RHSCC, which provides oversight and policy guidance for homeland security issues and funding in the metro area.

Integration Challenges

The 2014 plan update successfully integrated approved Kansas Region L local hazard mitigation plans into one regional HMP. This represents a success of our streamlined program of allowing jurisdictions to participate in multi-jurisdictional regional-level plans. This program not only reduces the cost and the burden to local jurisdictions, it also allows for closer collaboration and integration of local communities in all areas of planning and response. However, and as always, challenges exist due to the day to day demands of the working environment, including scheduling conflicts, budget restrictions, and staffing changes and shortages related to both the utilization and incorporation of the HMP and completion of identified hazard mitigation projects. Additionally, the size and complexity of the Kansas Region L area present additional challenges, including county and local planning integration, regional funding, population diversity and potentially differing growth priorities.



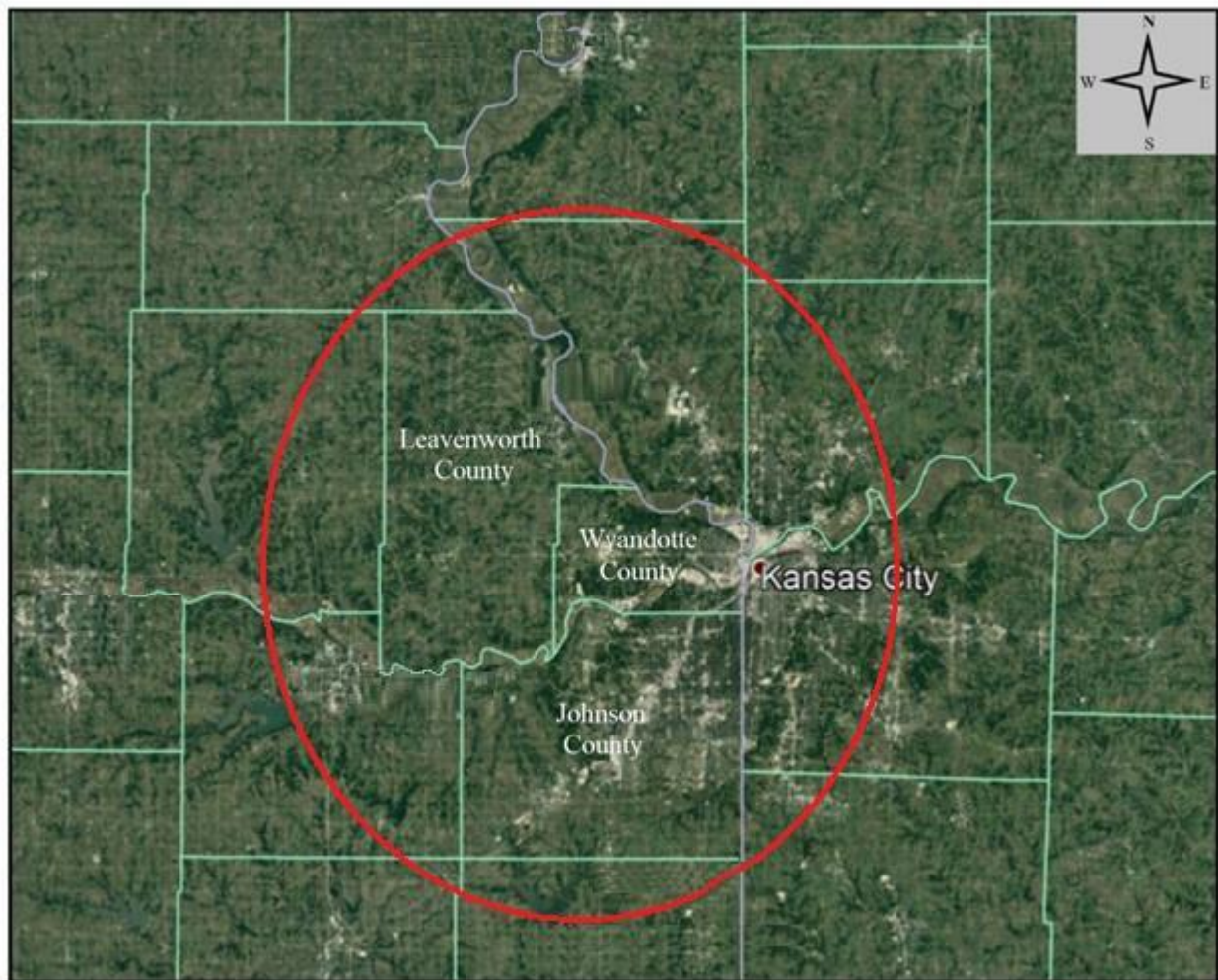
3.0 Planning Area

3.1 – Introduction

Kansas Region L consists of the following three participating counties and their participating jurisdictions:

- Johnson County
- Leavenworth County
- Wyandotte County

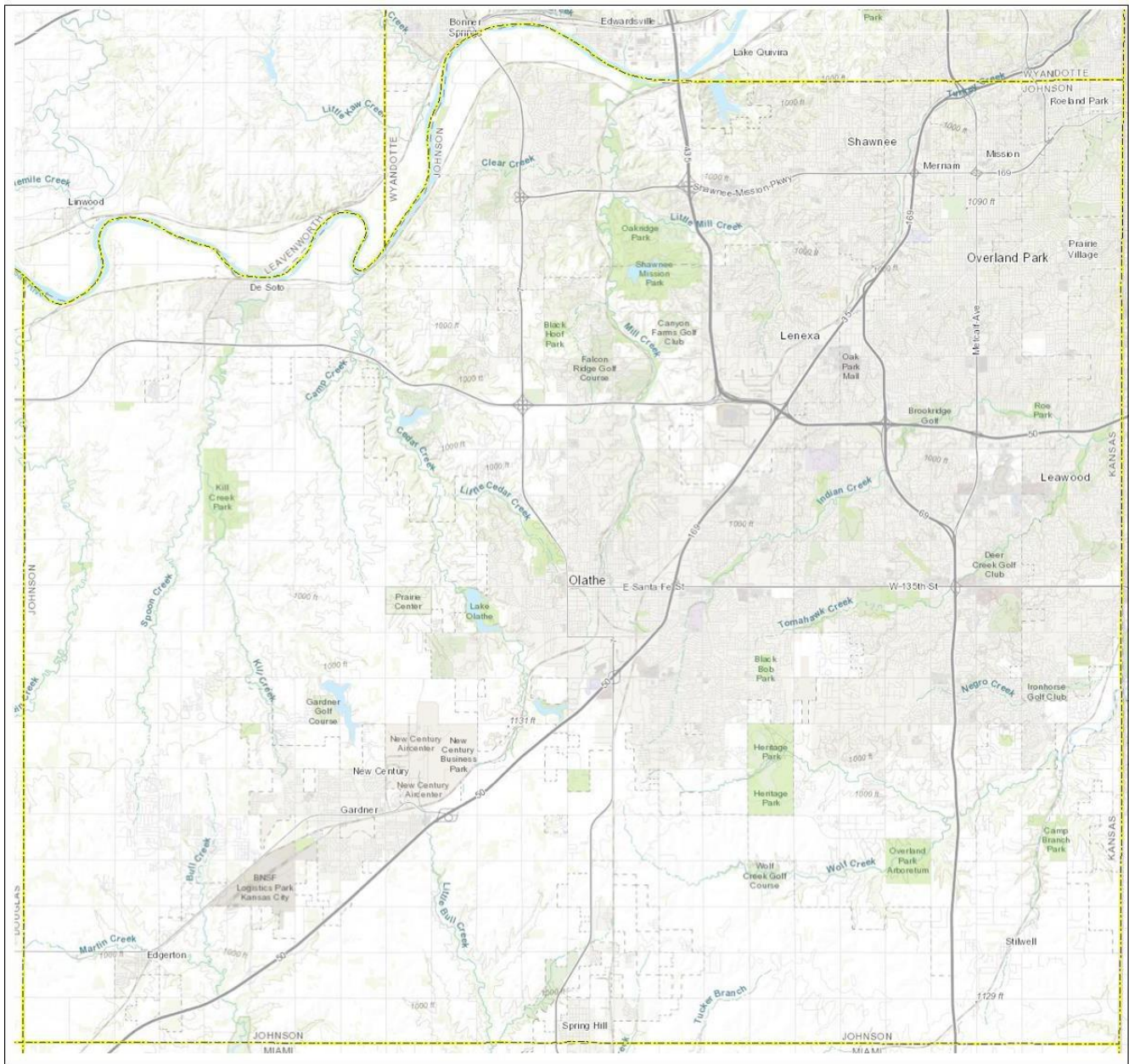
The following map details the locations of these counties.



The following map, provided by the Kansas Department of Transportation (KDOT), details the locations of participating jurisdictions for **Johnson County**:

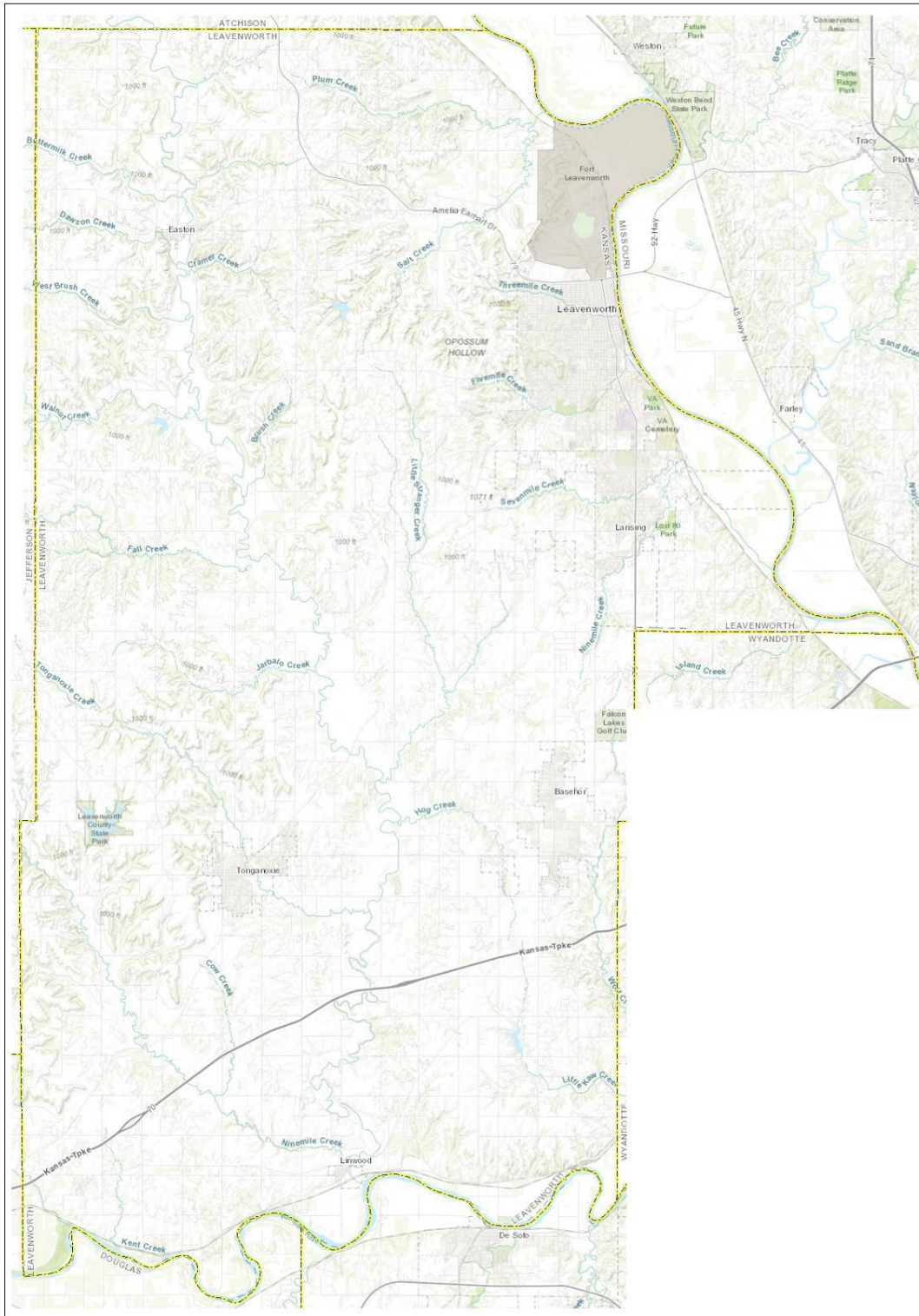


Map of Johnson County



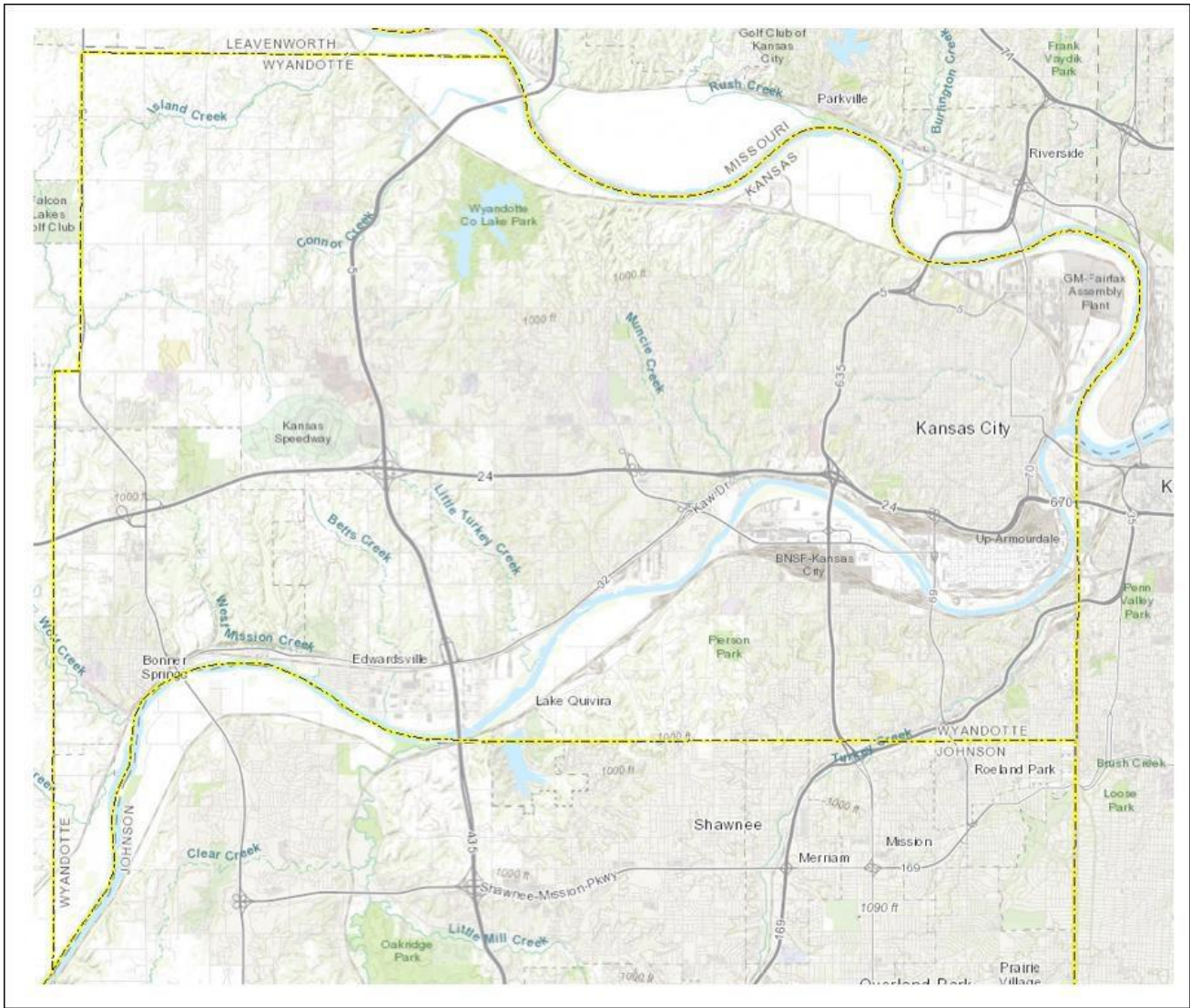
The following map, provided by KDOT, details the locations of participating jurisdictions for Leavenworth County:

Map of Leavenworth County



The map following details the locations of participating jurisdictions for **Wyandotte County**:

Map of Wyandotte County



3.2 – Regional Population Data

The following tables present population data for counties and participating jurisdictions in Kansas Region L. The higher a jurisdiction’s population the greater the potential vulnerability of its citizens to identified hazards.



Table 3.1: Johnson County Population Data

Jurisdiction	Population 2000	Population 2010	Population 2017	Numeric Population Change 2000 - 2017	Percent Population Change 2000 to 2017	Population Density, per Square Mile 2017
Johnson County	451,086	544,179	591,178	140,092	31.06%	1,232
DeSoto	5,732	5,720	6,107	375	6.54%	545
Edgerton	1,440	1,671	1,771	331	22.99%	798
Fairway	3,952	3,882	3,957	5	0.13%	3,441
Gardner	9,396	19,123	21,538	12,142	129.23%	2,118
Lake Quivira	932	906	935	3	0.32%	599
Leawood	27,656	31,867	34,659	7,003	25.32%	2,286
Lenexa	40,238	48,190	53,553	13,315	33.09%	1,555
Merriam	11,008	11,003	11,212	204	1.85%	2,595
Mission	9,727	9,323	9,409	-318	-3.27%	3,511
Mission Hills	3,593	3,498	3,573	-20	-0.56%	1,769
Mission Woods	165	178	195	30	18.18%	1,950
Olathe	92,962	125,872	132,472	39,510	42.50%	2,193
Overland Park	149,080	173,372	191,278	42,198	28.31%	2,538
Prairie Village	22,072	21,447	22,368	296	1.34%	3,602
Roeland Park	6,817	6,731	6,772	-45	-0.66%	4,180
Shawnee	47,996	62,209	65,513	17,517	36.50%	1,529
Spring Hill	2,727	5,437	6,618	3,891	142.68%	768
Westwood	1,533	1,506	1,655	122	7.96%	4,037
Westwood Hills	378	359	395	17	4.50%	5,643

Source: US Census Bureau

Of note for Johnson County and its participating jurisdictions:

- A large population gain was noted in Johnson County, 31% as a whole
- Population gains were noted in 16 of the 19 participating cities
- The cities of Gardner and Spring Hill saw triple digit percentage population growth
- The cities of Edgerton, Leawood, Lenexa, Olathe, Overland Park, and Shawnee saw greater than 20% population growth

Table 3.2: Leavenworth County Population Data

Jurisdiction	Population 2000	Population 2010	Population 2017	Numeric Population Change 2000 - 2017	Percent Population Change 2000 to 2017	Population Density, per Square Mile 2017
Leavenworth County	68,691	76,227	81,095	12,404	18.06%	173
Basehor	2,238	4,613	6,015	3,777	168.77%	891
Easton	362	253	260	-102	-28.18%	1,857
Lansing	9,199	11,265	11,947	2,748	29.87%	956
Leavenworth	35,420	35,251	36,210	790	2.23%	1,502
Linwood	374	375	392	18	4.81%	537
Tonganoxie	2,728	4,996	5,444	2,716	99.56%	1,483

Source: US Census Bureau



Of note for Leavenworth County and its participating jurisdictions:

- A large population gain was noted in Leavenworth County, 18% as a whole
- Population gains were noted in five of the six participating cities
- The cities of Basehor and Tonganoxie saw triple digit percentage population growth
- The city of Lansing saw 30% population growth
- Population declines were seen in the city of Easton

Table 3.3: Wyandotte County Population Data

Jurisdiction	Population 2000	Population 2010	Population 2017	Numeric Population Change 2000 - 2017	Percent Population Change 2000 to 2017	Population Density, per Square Mile 2017
Wyandotte County	157,882	157,505	165,288	7,406	4.69%	1,060
Bonner Springs	6,768	7,314	7,784	1,016	15.01%	487
Edwardsville	4,146	4,340	4,498	352	8.49%	481
Kansas City	146,968	145,851	153,006	6,039	0.96%	1,195

Source: US Census Bureau

Of note for Wyandotte County and its participating jurisdictions:

- A population gain was noted in Wyandotte County, 5% as a whole
- Population gains were noted in all participating cities
- The city of Bonner Springs saw double digit percentage population growth

3.3 – At-Risk Population Data

The National Response Framework defines at-risk populations as "populations whose members may have additional needs before, during, and after an incident in functional areas, including but not limited to maintaining independence, communication, transportation, supervision, and medical care."

In general, at risk populations may have difficulty with medical issues, poverty, extremes in age, and communications due to language barriers. Several principles may be considered when discussing potentially at-risk populations, including:

- Not all people who are considered at risk are at risk
- Outward appearance does not necessarily mark a person as at risk
- The hazard event will, in many cases, affect at risk population in differing ways

The following tables present information on select potential at risk populations within each participating Region L jurisdiction, by county. The higher a jurisdiction's at-risk population the greater the potential vulnerability of its at-risk citizens to identified hazards.



Table 3.4: Johnson County Potentially Vulnerable Population Data

Jurisdiction	Percentage of Population 5 and Under (2017)	Percentage of Population 85+ (2017)	Percentage of Population Speaking Language Other Than English (2017)	Percentage of Population Living Below Poverty Level (2017)
Johnson County	6.7%	1.9%	10.0%	6.0%
DeSoto	9.9%	0.7%	12.2%	18.5%
Edgerton	9.9%	0.9%	1.1%	10.7%
Fairway	8.1%	2.6%	5.0%	2.1%
Gardner	11.8%	0.7%	5.4%	4.4%
Lake Quivira	2.5%	1.0%	1.7%	1.0%
Leawood	5.4%	2.1%	6.0%	2.6%
Lenexa	6.6%	2.6%	8.7%	6.0%
Merriam	4.7%	2.2%	8.1%	8.3%
Mission	5.3%	1.6%	6.9%	7.6%
Mission Hills	5.0%	2.2%	2.9%	2.0%
Mission Woods	6.5%	0.0%	5.6%	6.0%
Olathe	7.6%	1.2%	13.8%	6.8%
Overland Park	6.0%	2.3%	12.1%	5.9%
Prairie Village	6.9%	3.0%	3.3%	4.2%
Roeland Park	8.2%	1.7%	10.3%	6.8%
Shawnee	6.4%	1.5%	7.2%	7.4%
Spring Hill	8.3%	2.5%	1.2%	5.2%
Westwood	6.8%	1.8%	5.8%	1.2%
Westwood Hills	6.8%	1.4%	9.4%	4.6%

Source: US Census Bureau

Of note for Johnson County and its participating jurisdictions:

- Population gains in children under five years of age were noted, from 33,641 to 39,609, a 17.7% increase
- Population gains in adults over 85 years of age were noted, from 5,895 to 11,232, a 90.5% increase
- Population gains were noted for person speaking a language other than English, from 34,221 to 59,118, a 72.8% increase
- A gain was noted in the number of people living below the poverty line, from 15,323 to 35,471, a 131.5% increase

Table 3.5: Leavenworth County Potentially Vulnerable Population Data

Jurisdiction	Percentage of Population 5 and Under (2017)	Percentage of Population 85+ (2017)	Percentage of Population Speaking Language Other Than English (2017)	Percentage of Population Living Below Poverty Level (2017)
Leavenworth County	6.4%	1.2%	5.0%	9.9%
Basehor	5.8%	0.3%	3.0%	4.6%
Easton	1.4%	8.1%	3.8%	25.7%
Lansing	3.7%	0.9%	6.4%	7.7%
Leavenworth	8.3%	1.1%	6.5%	14.9%



Table 3.5: Leavenworth County Potentially Vulnerable Population Data

Jurisdiction	Percentage of Population 5 and Under (2017)	Percentage of Population 85+ (2017)	Percentage of Population Speaking Language Other Than English (2017)	Percentage of Population Living Below Poverty Level (2017)
Linwood	6.9%	1.3%	1.3%	20.7%
Tonganoxie	8.2%	2.5%	3.7%	6.2%

Source: US Census Bureau

Of note for Leavenworth County and its participating jurisdictions:

- Population gains in children under five years of age were noted, from 4,775 to 5,190, an 8.7% increase
- Population gains in adults over 85 years of age were noted, from 810 to 973, a 20.1% increase
- Slight population gains were noted for person speaking a language other than English, from 4,029 to 4,055, a 0.6% increase
- A gain was noted in the number of people living below the poverty line, from 4,128 to 8,028, a 94.5% increase

Table 3.6: Wyandotte County Potentially Vulnerable Population Data

Jurisdiction	Percentage of Population 5 and Under (2017)	Percentage of Population 85+ (2017)	Percentage of Population Speaking Language Other Than English (2017)	Percentage of Population Living Below Poverty Level (2017)
Wyandotte County	8.4%	1.5%	23.5%	22.7%
Bonner Springs	8.6%	2.4%	6.8%	9.5%
Edwardsville	7.1%	1.7%	5.1%	11.7%
Kansas City	8.5%	1.5%	28.0%	22.3%

Source: US Census Bureau

Of note for Wyandotte County and its participating jurisdictions:

- Population gains in children under five years of age were noted, from 12,759 to 13,884, an 8.8% increase
- Population gains in adults over 85 years of age were noted, from 2,226 to 2,479, an 11.4% increase
- Population gains were noted for persons speaking a language other than English, from 22,688 to 38,843, a 71.2% increase
- A gain was noted in the number of people living below the poverty line, from 25,773 to 37,520, a 45.6% increase

3.4 – Regional Housing Data

Closely tracking population data, but tending to lag population changes, housing data is a good indicator of changing state demographics and growth. Over the period 2000 to 2017 the Kansas Region L has been experiencing a yearly increase in housing stock. The higher a jurisdiction’s housing stock, the higher the hazard vulnerability.



Table 3.7: Johnson County Housing Data

Jurisdiction	Housing Units 2000	Housing Units 2017	Percent Housing Change 2000 - 2017	Housing Density, Per Square Mile, 2017	Percentage Mobile Homes 2017
Johnson County	181,612	233,108	28.4%	479	0.6%
DeSoto	1,730	2,444	41.3%	199	7.2%
Edgerton	500	632	26.4%	295	5.4%
Fairway	1,842	1,799	-2.3%	1,600	0.0%
Gardner	3,533	7,411	109.8%	722	4.4%
Lake Quivira	388	403	3.9%	61	0.8%
Leawood	10,129	12,865	27.0%	822	0.1%
Lenexa	16,378	21,343	30.3%	611	0.1%
Merriam	5,042	5,468	8.4%	1,210	0.0%
Mission	5,329	5,146	-3.4%	2,054	0.5%
Mission Hills	1,318	1,326	0.6%	656	0.0%
Mission Woods	78	84	7.7%	775	0.0%
Olathe	33,343	47,789	43.3%	785	1.0%
Overland Park	62,586	80,324	28.3%	1,019	0.1%
Prairie Village	10,126	10,205	0.8%	1,649	0.1%
Roeland Park	3,115	3,226	3.6%	2,024	0.5%
Shawnee	19,086	24,982	30.9%	596	0.6%
Spring Hill	873	2,016	130.9%	186	0.0%
Westwood	731	772	5.6%	1,797	0.0%
Westwood Hills	173	197	13.9%	2,668	0.0%

Source: US Census Bureau

Of note for Johnson County and its participating jurisdictions:

- Large gains in housing stock were noted for the period 2000 to 2016, with most participating jurisdictions seeing double digit growth

Table 3.8: Leavenworth County Housing Data

Jurisdiction	Housing Units 2000	Housing Units 2017	Percent Housing Change 2000 - 2017	Housing Density, Per Square Mile, 2017	Percentage Mobile Homes 2017
Leavenworth County	24,401	29,106	19.3%	62	2.1%
Basehor	848	1,921	126.5%	282	0.0%
Easton	138	111	-19.6%	727	20.7%
Lansing	2,548	3,405	33.6%	272	4.1%
Leavenworth	12,936	13,643	5.5%	569	1.0%
Linwood	374	155	-58.6%	209	3.3%
Tonganoxie	1,032	2,068	100.4%	539	0.7%

Source: US Census Bureau

Of note for Leavenworth County and its participating jurisdictions:

- Large gains in housing stock were noted for the period 2000 to 2016 for the Cities of Basehor, Lansing and Tonganoxie.



Table 3.9: Wyandotte County Housing Data

Jurisdiction	Housing Units 2000	Housing Units 2017	Percent Housing Change 2000 - 2017	Housing Density, Per Square Mile, 2017	Percentage Mobile Homes 2017
Wyandotte County	68,892	67,297	-2.3%	440	2.3%
Bonner Springs	2,753	3,028	10.0%	201	3.8%
Edwardsville	1,651	1,665	0.8%	190	21.2%
Kansas City	61,446	62,847	2.3%	491	1.8%

Source: US Census Bureau

Of note for Wyandotte County and its participating jurisdictions:

- Housing stock remained relatively static for all jurisdictions, with the City of Bonner Springs experiencing the greatest growth.

3.5 – Regional Property Valuations

This section quantifies the built environment exposed to potential hazards in Kansas Region L. The following tables provide monetary value of structures, by category and where available, for each county in Kansas Region L. In addition to the population information presented above, this information forms the basis of the vulnerability and risk assessment presented in this plan. This information was derived from inventory data associated with FEMA’s loss estimation software HAZUS-4.0. HAZUS classifies building stock types into numerous categories, including residential, commercial, industrial, agriculture, government, and education. Values associated with each of these categories reflect 2010 valuations, the latest available HAZUS data.

Table 3.10: Kansas Region L Property Valuations

County	Residential	Commercial	Industrial	Agriculture	Education	Government
Johnson	\$90,773,843,000	\$24,020,082,000	\$5,789,822,000	\$314,222,000	\$428,280,000	\$1,256,789,000
Leavenworth	\$10,245,715,000	\$1,694,541,000	\$326,902,000	\$74,938,000	\$120,680,000	\$366,724,000
Wyandotte	\$18,318,559,000	\$7,118,770,000	\$2,529,033,000	\$61,974,000	\$192,007,000	\$543,881,000

Table 3.11: Kansas Region L Total Property Valuations

County	Total
Johnson	\$124,279,962,000
Leavenworth	\$13,050,342,000
Wyandotte	\$29,708,946,000

3.6 – Jurisdictional Property Valuations

This section quantifies the built environment exposed to potential hazards in Kansas Region L for each participating jurisdiction. The following tables provide monetary value of structures, by category and where available, for each participating jurisdiction in Kansas Region L. In addition to the population information presented above, this information forms the basis of the vulnerability and risk assessment presented in this plan. This information was derived from county Appraiser’s Offices.



Table 3.12: Johnson County Participating Jurisdiction Property Valuations

Jurisdiction	2018 Property Valuation
DeSoto	\$498,173,210
Edgerton	\$667,813,980
Fairway	\$575,812,500
Gardner	\$1,494,689,920
Lake Quivara	\$139,265,230
Leawood	\$5,908,685,190
Lenexa	\$7,041,813,390
Merriam	\$1,169,142,760
Mission	\$978,800,750
Mission Hills	\$873,438,140
Mission Woods	\$41,154,390
Olathe	\$13,111,756,270
Overland Park	\$23,668,588,700
Prairie Village	\$2,452,561,280
Roeland Park	\$596,995,820
Shawnee	\$6,043,031,600
Spring Hill	\$150,507,370
Westwood	\$219,229,530
Westwood Hills	452,787,270

Source: County Assessor's Office

Note: Values represent appraised improvement value only

Table 3.13: Leavenworth County Participating Jurisdiction Property Valuations

Jurisdiction	2018 Property Valuation
Basehor	\$550,756,690
Easton	\$4,626,910
Lansing	\$662,229,090
City of Leavenworth	\$1,534,977,590
Linwood	\$17,605,830
Tonganoxie	\$339,227,750

Source: Assessor's Office and US Census Bureau

Note: Values represent appraised improvement value only

Table 3.14: Wyandotte County Participating Jurisdiction Property Valuations

Jurisdiction	2018 Property Valuation
Kansas City (Wyandotte County)	\$9,241,738,300
Bonner Springs	\$608,335,200
Edwardsville	\$434,952,180

Source: Wyandotte County Assessor's Office

Note: Values represent appraised improvement value only

3.7 – Critical Facilities

A critical facility is essential in providing utility or direction either during the response to an emergency or during the recovery operation, with facilities determined from jurisdictional feedback. The following are examples of critical facilities and assets:



- Communications facilities
- Emergency operations centers
- Fire stations
- Government buildings
- Hospitals and other medical facilities
- Police stations

Details concerning critical facilities have been deemed as sensitive, and as such their specific information is not contained in the body of this HMP, but rather a restricted view Appendix D. Inquiries concerning critical facilities may submitted to MPC members.

3.8 – Unified School Districts

Each participating county is served by multiple Unified School Districts (USDs), with these USDs providing educational coverage for each participating jurisdiction. The following table presents participating USD enrollment information, the number of school structures, and the insured valuation of these structures and contents within (if information is available).

Table 3.15: Participating USD Information

School District	Estimated Enrollment (2018)	Number of Office and School Buildings (2018)	Total Insured Valuation of Structures (2018)
Johnson County			
USD #229 – Blue Valley	22,392	46	\$590,559,544
USD #230 – Spring Hill	3,000	13	\$106,659,024
USD 231 – Gardner/Edgerton	5,450	19	-
USD 232 – DeSoto	6,977	22	\$329,674,250
USD 233 – Olathe	29,031	74	-
USD 512 – Shawnee Mission	27,500	60	\$976,700,331
Kansas School for the Deaf	130	-	-
Leavenworth County			
USD #207 – Fort Leavenworth	2,224	9	\$3,270,000
USD #449 – Easton	668	8	\$29,607,000
USD #453 – Leavenworth	3,539	19	\$152,069,653
USD #458 – Basehor-Linwood	2,200	14	\$126,400,000
USD #464 – Tonganoxie	2,000	10	\$70,400,000
USD #469 – Lansing	2,650	16	\$95,372,600
Wyandotte County			
Kansas School for the Deaf and Blind		14	\$90,000,000
USD #202 - Turner	4,197	13	-
USD #203 - Piper	2,476	8	\$85,817,719
USD #204 – Bonner-Edwardsville	2,700	10	\$125,000,000
USD #500 – Kansas City, Kansas	22,519	68	\$690,000,000

Source: Kansas State Department of Education



Each participating county is served by at least one institution of higher learning. The following table presents participating college and university enrollment information, the number of school structures, and the insured valuation of these structures and contents within (if information is available).

Table 3.16: Participating College and University Information

School District	Estimated Enrollment (2018)	Number of Offices and Schools (2018)	Total Insured Valuation of Structures (2018)
Johnson County			
Johnson County Community College	34,000	25	-
University of Kansas Edwards Campus	1,500	3	-
Leavenworth County			
University of St. Mary	1,100	12	\$178,495,000
Wyandotte County			
Kansas City, Kansas Community College	7,200	14	\$213,295,000

Source: Kansas State Department of Education

3.9 – Regional Land Use

In general, land use is determined by three major types of regulation, zoning ordinances, floodplain ordinances and building code requirements.

- 2017 Kansas Statutes, KS Stat § 12-741 (2017): This act is enabling legislation for the enactment of planning and zoning laws and regulations by cities and counties for the protection of the public health, safety and welfare, and is not intended to prevent the enactment or enforcement of additional laws and regulations on the same subject which are not in conflict with the provisions of this act.
- 2012 Kansas Statutes, Chapter 19 Counties and County Officers, Article 33 Flood Control: Allows cities and counties to develop stormwater management and flood control projects and programs, provide local funding, and enter into agreements with other agencies to develop and use flood control works.
- The Kansas State Legislature has not implemented a statewide building code, nor does it require comprehensive planning by local governments.

These three types of regulations can assist in preventing the following:

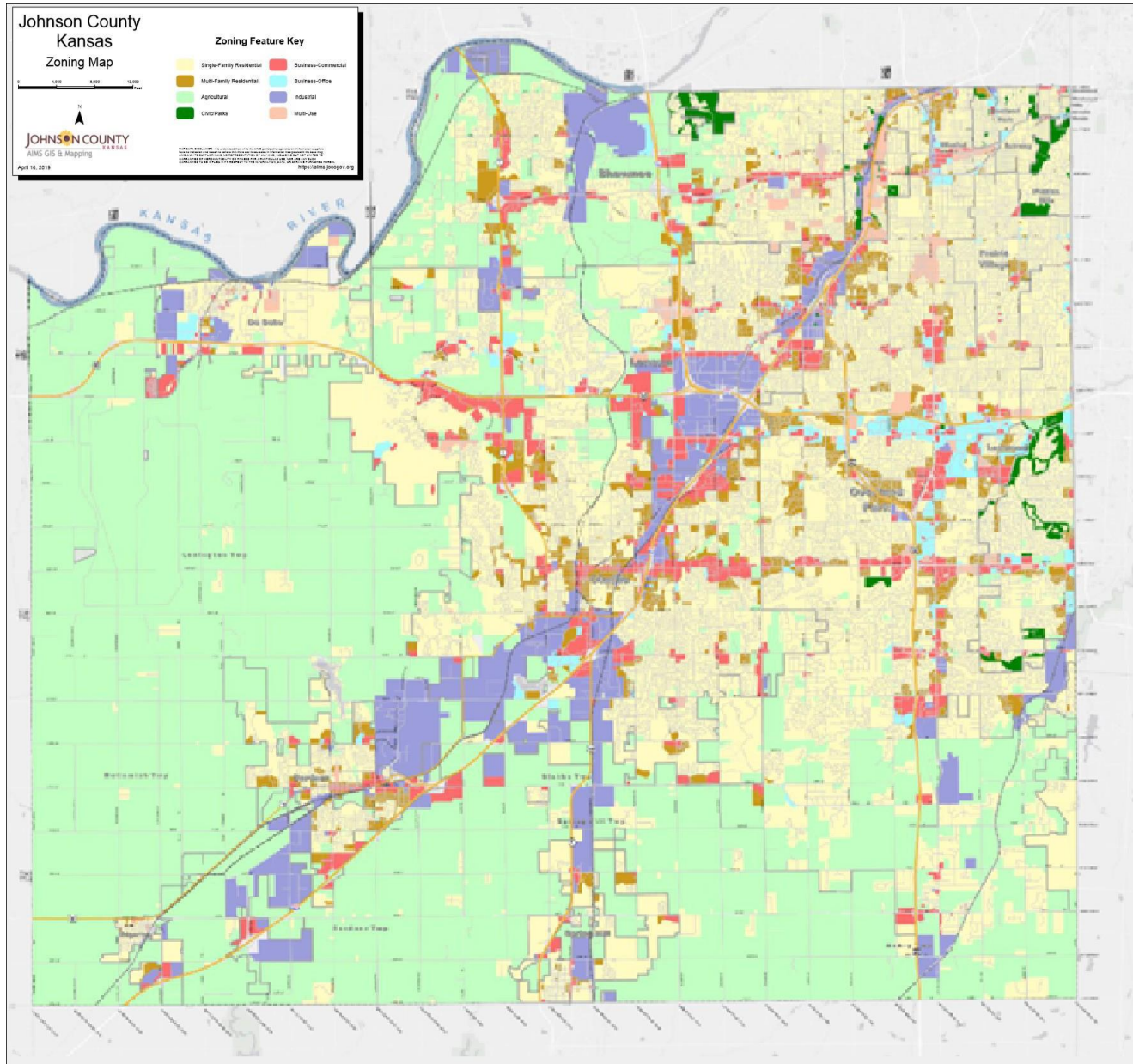
- Unrestricted residential growth which can increase a population’s exposure to identified hazard prone areas
- Rapid, unchecked development that can put a strain on a community’s vulnerable resources such as its energy infrastructure
- Residential development constructed quickly and inexpensively to meet consumer demand that often lacks long term mitigation measures and resiliency
- Rapid development under pressure to meet consumer demand can alter the landscape in ways affecting urban runoff, drainage, or other environmental considerations which have drastic effects on floodplains



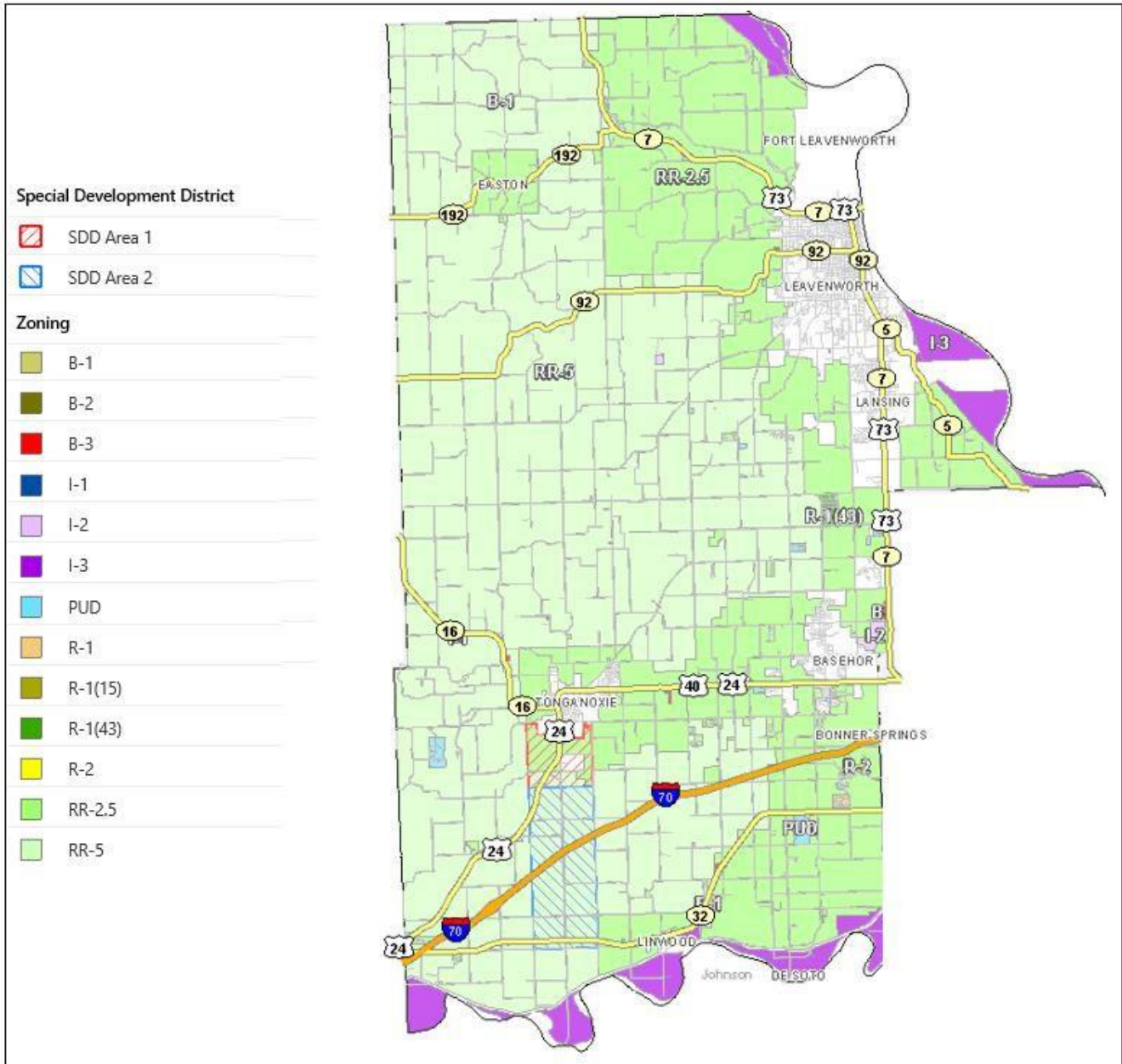
Jurisdictional information on land use regulations is provided in Section 5 – Capability Assessment.

Jurisdictional zoning determines how a landowner can use their land. Zoning restrictions control how property can be developed and what types of activities can occur on that property. The following maps show current zoning conditions for each participating county.

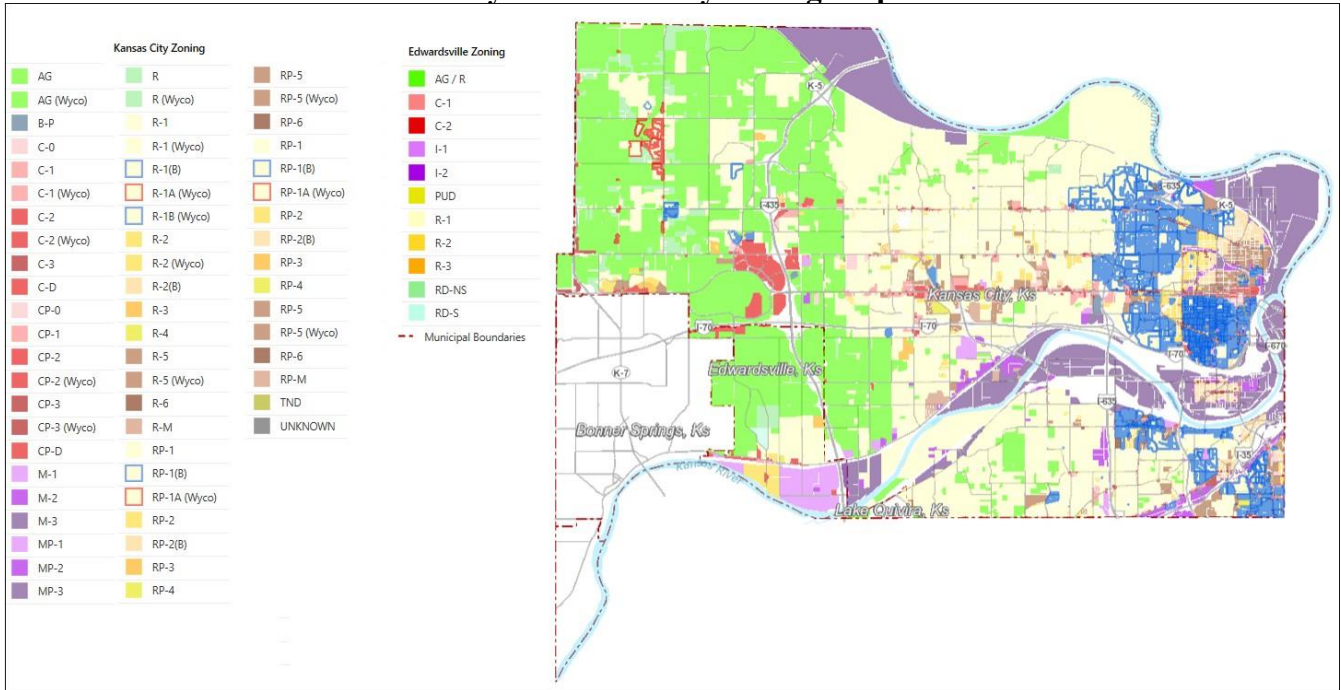
Johnson County Zoning Map



Leavenworth County Zoning Map



Wyandotte County Zoning Map

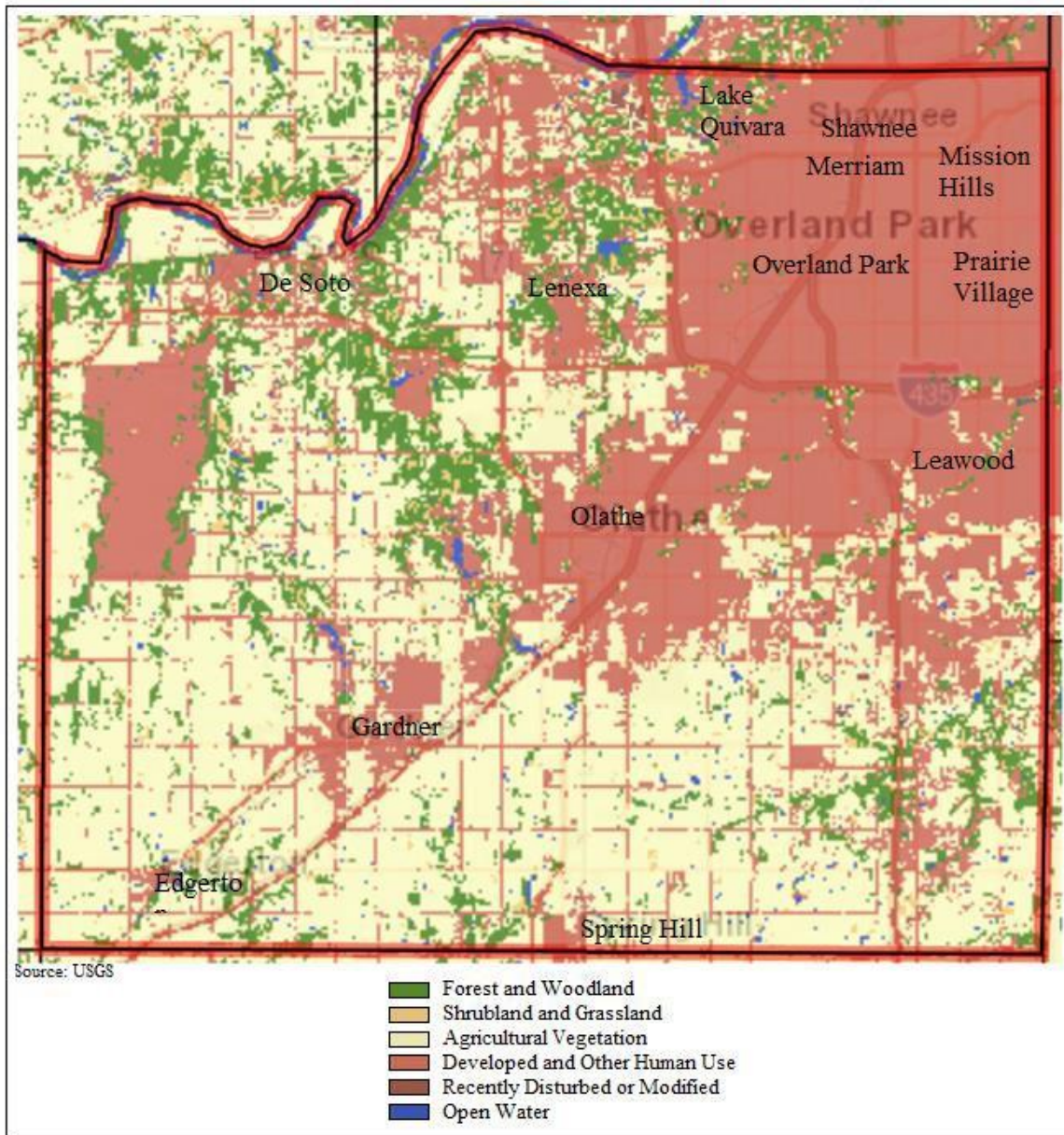


3.10 – Regional Land Cover

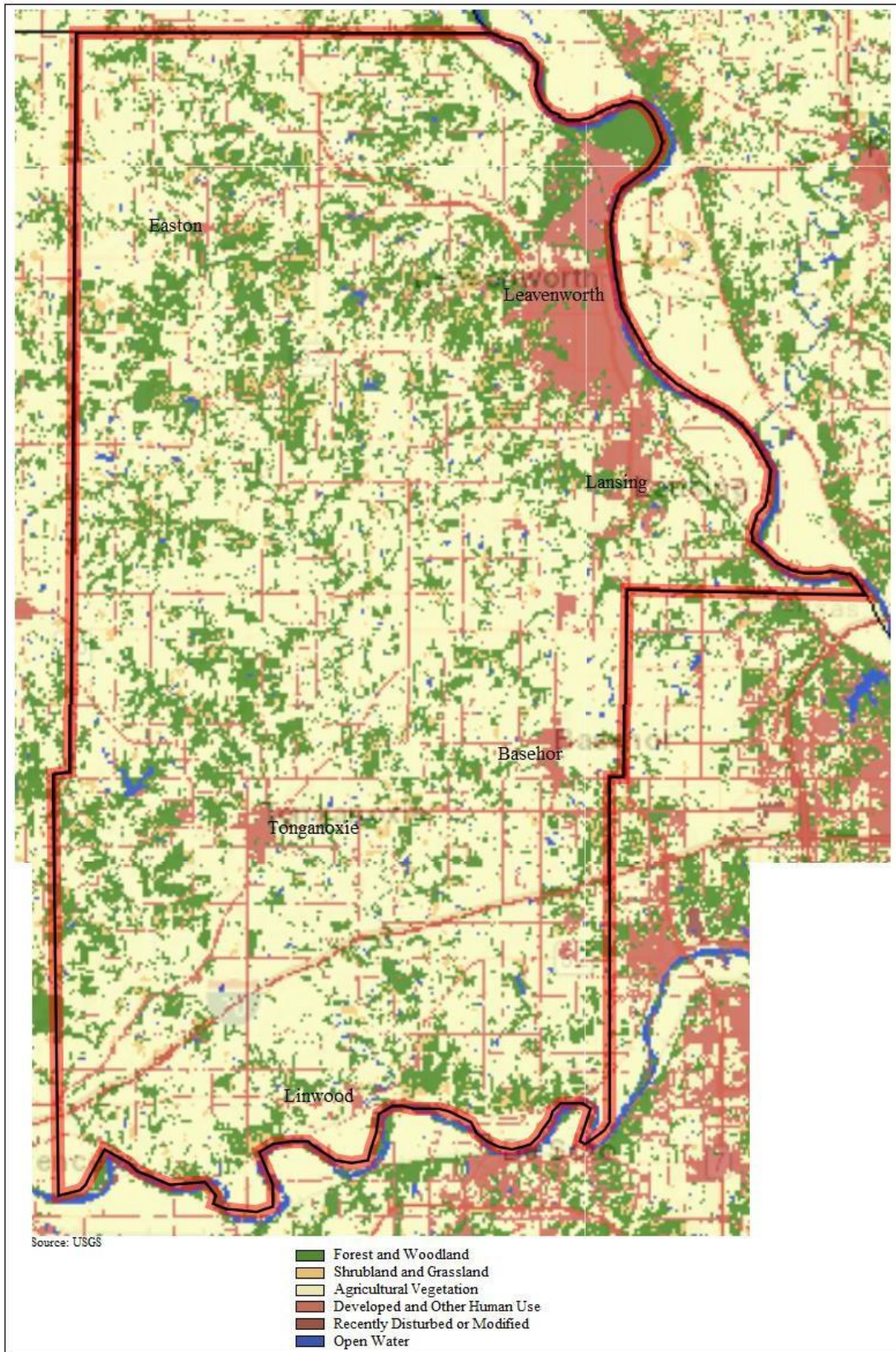
The following county specific maps from the 2016 USGS land cover map illustrate land usage.



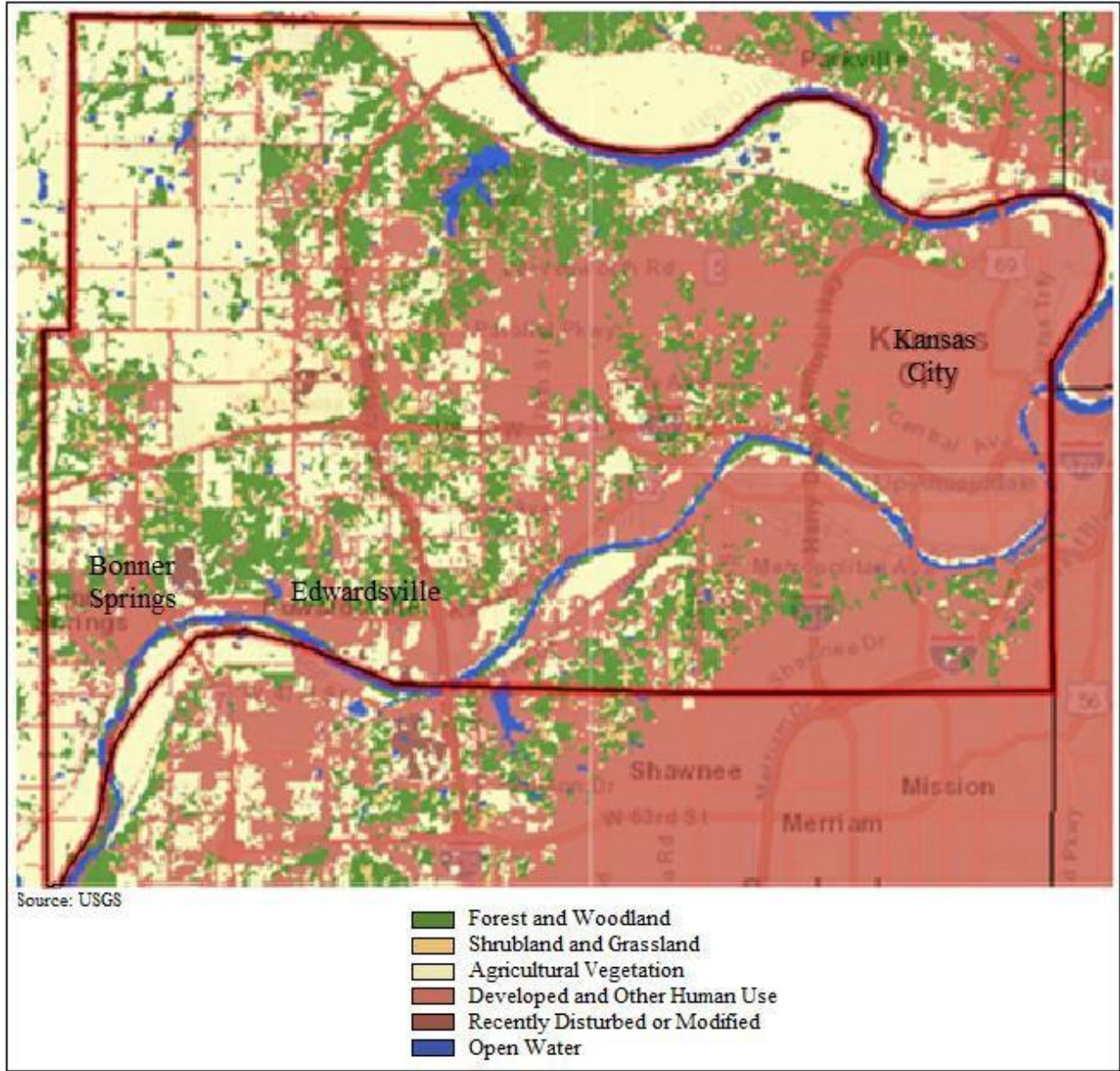
Johnson County Land Coverage Map



Leavenworth County NLDC Land Coverage Map



Wyandotte County NLDC Land Coverage Map



3.11 – Regional Agricultural Data

Agriculture is a major component of the economy of Kansas. According to the Kansas Department of Agriculture, Agriculture is the largest economic driver in Kansas, valued at nearly \$67.5 billion and accounting for 44.5 percent of the state's total economy. In Kansas, there are 46,137,295 acres of farmland, which accounts for 88 percent of all Kansas land.

The following tables present information from the USDA National Agricultural Statistics Service 2012 Census of Agriculture (the latest available data) relating to farm totals, agricultural acreage and livestock (cattle, hogs and pigs) for Kansas Region L.



Table 3.17: Regional Farm Data, 2012 Census of Agriculture

Jurisdiction	Number of Farms	Farm Acreage	Percent of Acreage as Cropland	Percent of Acreage as Pastureland	Percent of Acreage as Other Uses	Market Value of Products Sold (Yearly)
Johnson	571	99,354	59.6%	30.9%	9.5%	\$24,370,000
Leavenworth	1,133	184,471	55.6%	26.1%	18.3%	\$36,367,000
Wyandotte	164	12,009	61.0%	24.3%	14.7%	3,291,000

Source: United States Department of Agriculture National Agricultural Statistics Service

Table 3.18: Regional Livestock Data, 2012 Census of Agriculture

County	Cattle	Hogs and Pigs
Johnson	11,154	-
Leavenworth	21,185	1,516
Wyandotte	1,407	-

Source: United States Department of Agriculture National Agricultural Statistics Service

-: Data not reported due to potential privacy concerns

3.12 – Regional Development Trends

44 CFR 201.6 (c)(2)(ii)(A) The types and numbers of existing and future buildings, infrastructure, and critical facilities located in the identified hazard areas

Future development speaks to the potential impacts of land use and demographic changes in hazard prone areas. Data in this section is based on the best available data but is speculative as future conditions are subject to numerous unpredictable factors. While past trends are used to inform the discussion, previous historical trends are no guarantee of future conditions.

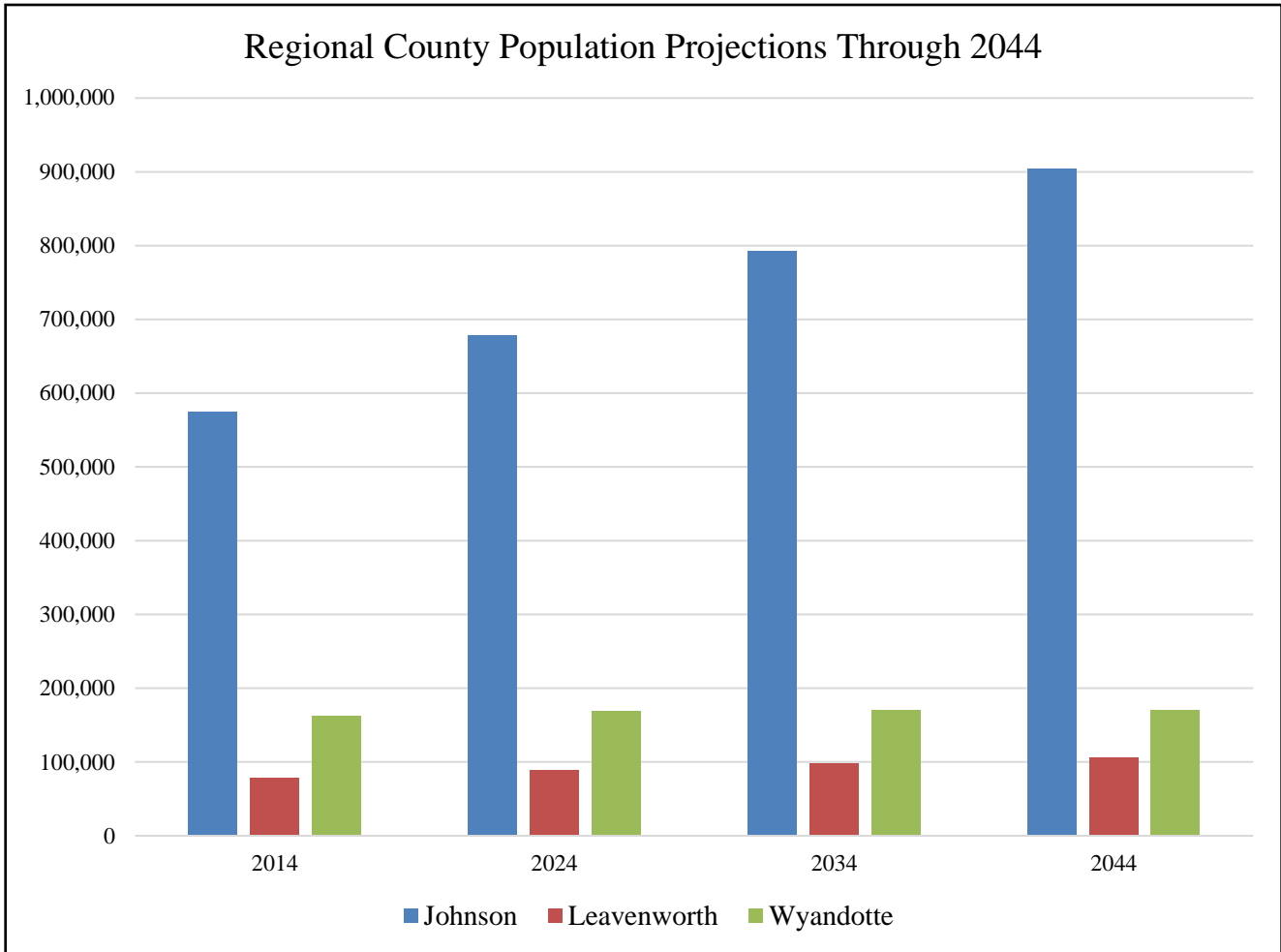
The University of Kansas Institute for Policy and Social Research developed population projections for the region using historical and trend data. Indications are the region will experience a steady increase in the population through the year 2044.

Table 3.19: Kansas Region L Population Projections Through 2044

County	2014	2024	2034	2044	Projected Growth Percentage Through 2044
Johnson	574,272	678,449	792,103	904,305	57.5%
Leavenworth	78,797	88,165	97,500	105,844	34.3%
Wyandotte	161,636	168,226	170,521	169,549	4.9%

Source: University of Kansas Institute for Policy and Social Research





Source: University of Kansas Institute for Policy and Social Research

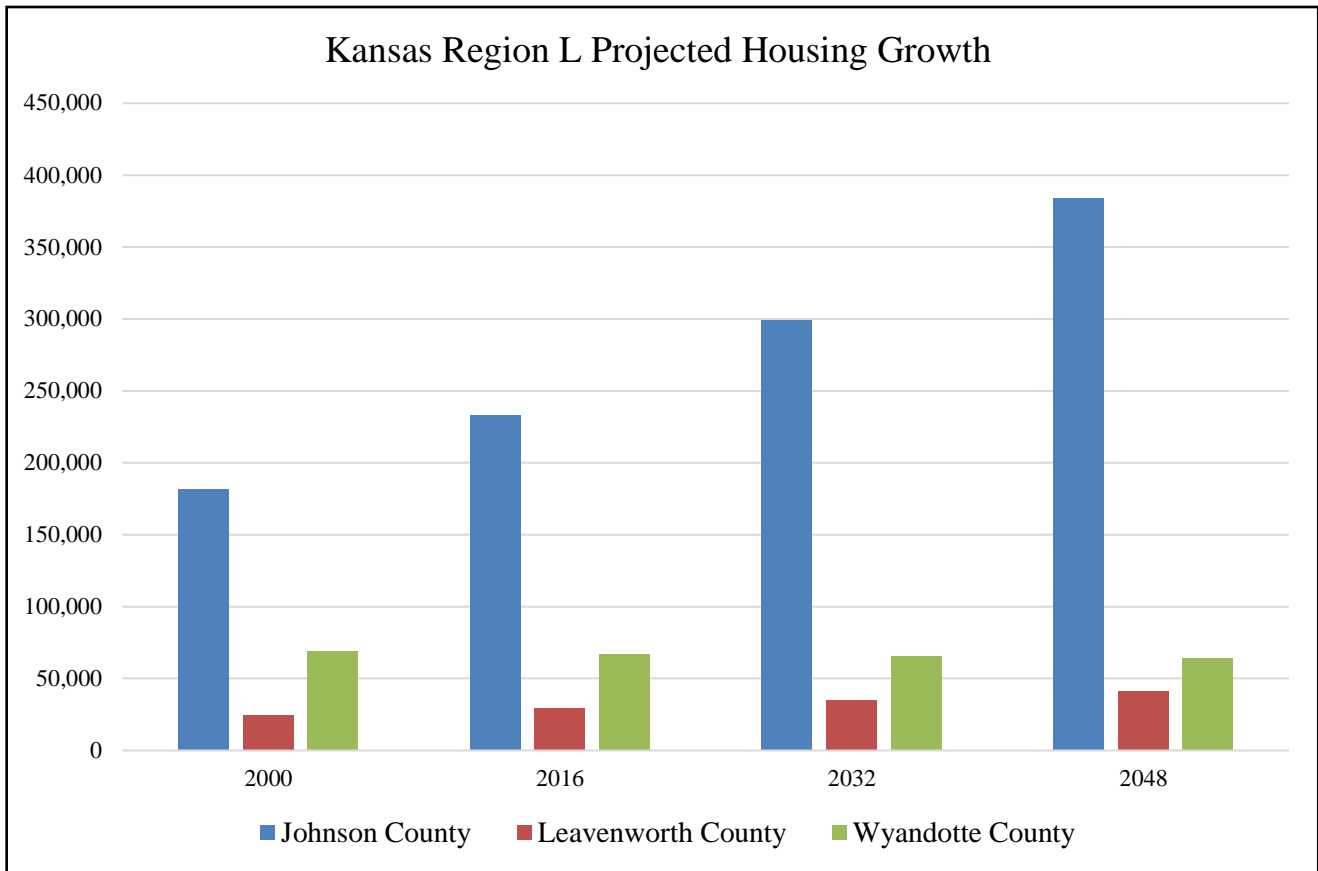
US Census Bureau data was used to develop housing projections for the region using historical and trend data. Indications are the region will experience steady to static growth in housing through the year 2048.

Table 3.20: Kansas Region L Housing Projections Through 2048

County	2000	2016	2032	2048	Estimated 16-Year Percentage Growth Rate
Johnson County	181,612	233,108	299,311	384,315	28.40%
Leavenworth County	24,401	29,106	34,723	41,425	19.30%
Wyandotte County	68,892	67,297	65,749	64,237	-2.30%

Source: US Census Bureau





Source: US Census Bureau

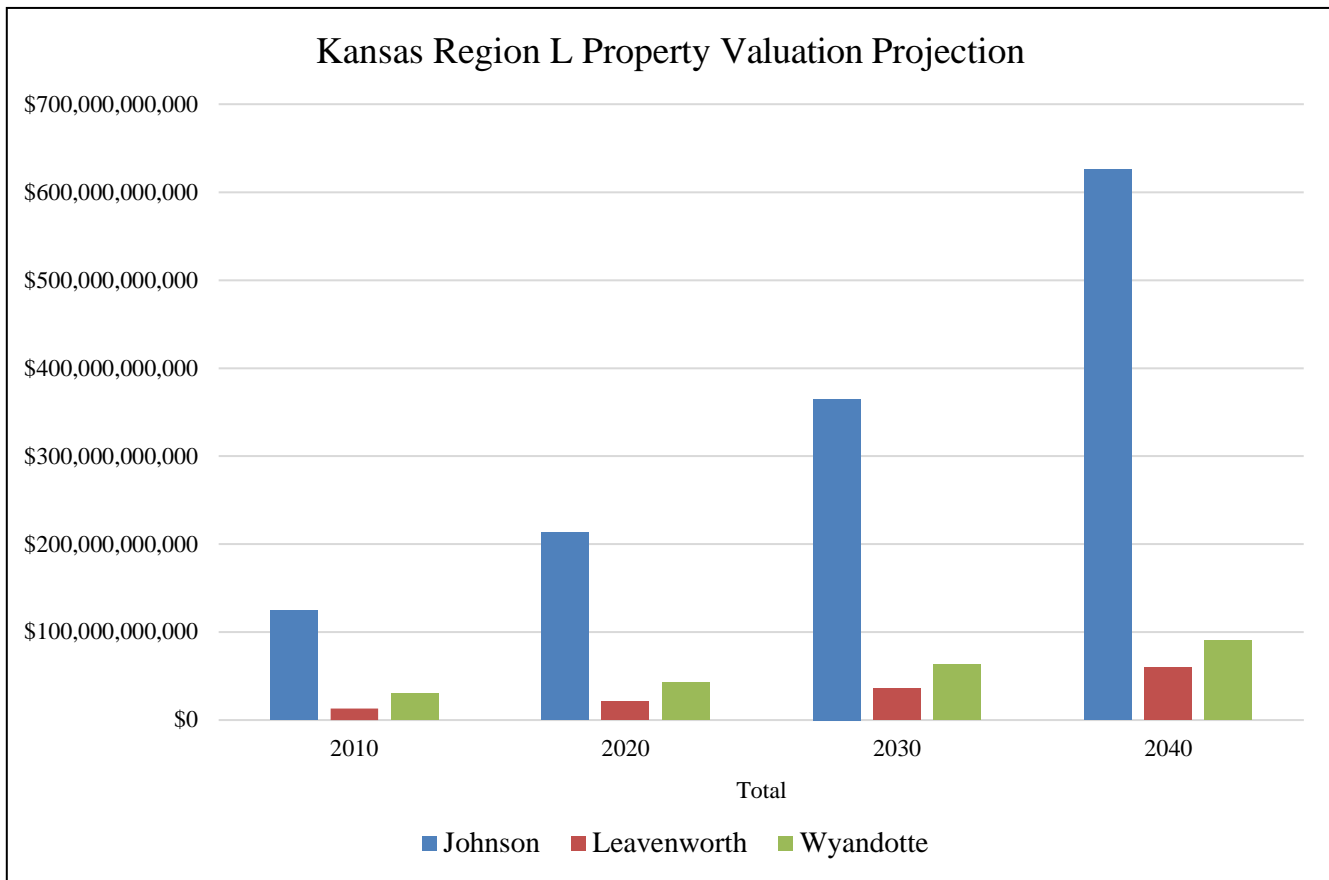
FEMA’s loss estimation software HAZUS data was used to developed property valuation projections for the region using historical and trend data. Indications are the region will experience steady growth in the property valuation through the year 2040.

Table 3.21: Kansas Region L Property Valuation Projections Through 2040

County	2010	2020	2030	2040	Estimated 10-Year Percentage Growth Rate
Johnson	\$124,279,962,000	\$212,998,632,80	\$365,050,140,413	\$625,645,353,953	57.50%
Leavenworth	\$13,050,342,000	\$21,638,566,959	\$35,878,567,784	\$59,489,689,343	34.30%
Wyandotte	\$29,708,946,000	\$43,080,304,078	\$62,469,823,047	\$90,586,147,774	4.90%

Source: HAZUS





Source: HAZUS

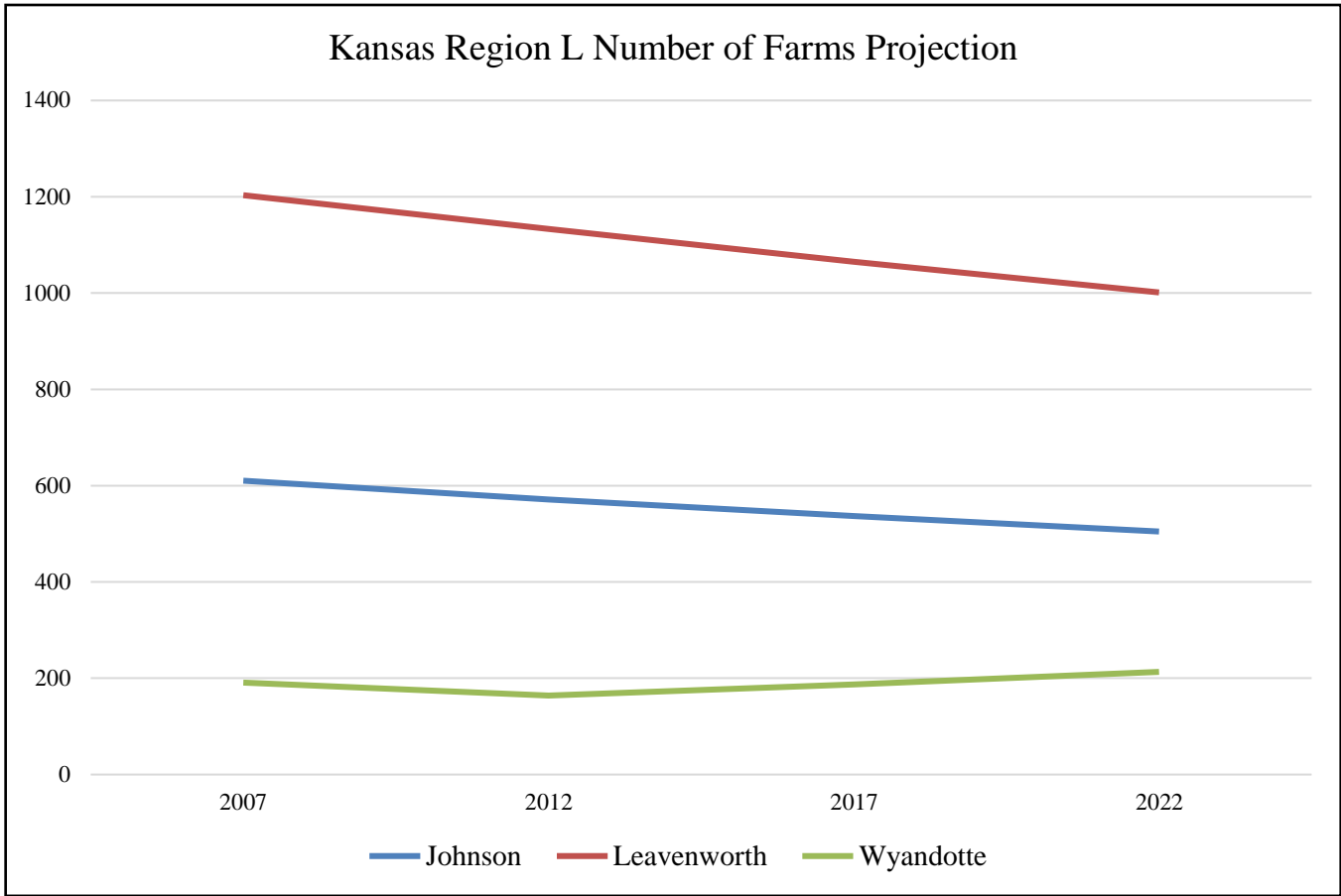
United States Department of Agriculture National Agricultural Statistics Service data was used to develop agricultural projections for the region using historical and trend data. Indications are the region will experience steady decline in the number of farms and the amount of agricultural acreage through the year 2022 (the volatility of the agricultural sector dictates projections beyond this would be not viable).

Table 3.22: Kansas Region L Farm Data Projections Through 2022

County	Number of Farms, 2007	Number of Farms, 2012	Number of Farms, 2017	Number of Farms, 2022	Estimated 5-Year Percentage Growth Rate
Johnson	610	571	537	505	-6%
Leavenworth	1,203	1,133	1,065	1,001	-6%
Wyandotte	191	164	187	213	14%

Source: United States Department of Agriculture National Agricultural Statistics Service





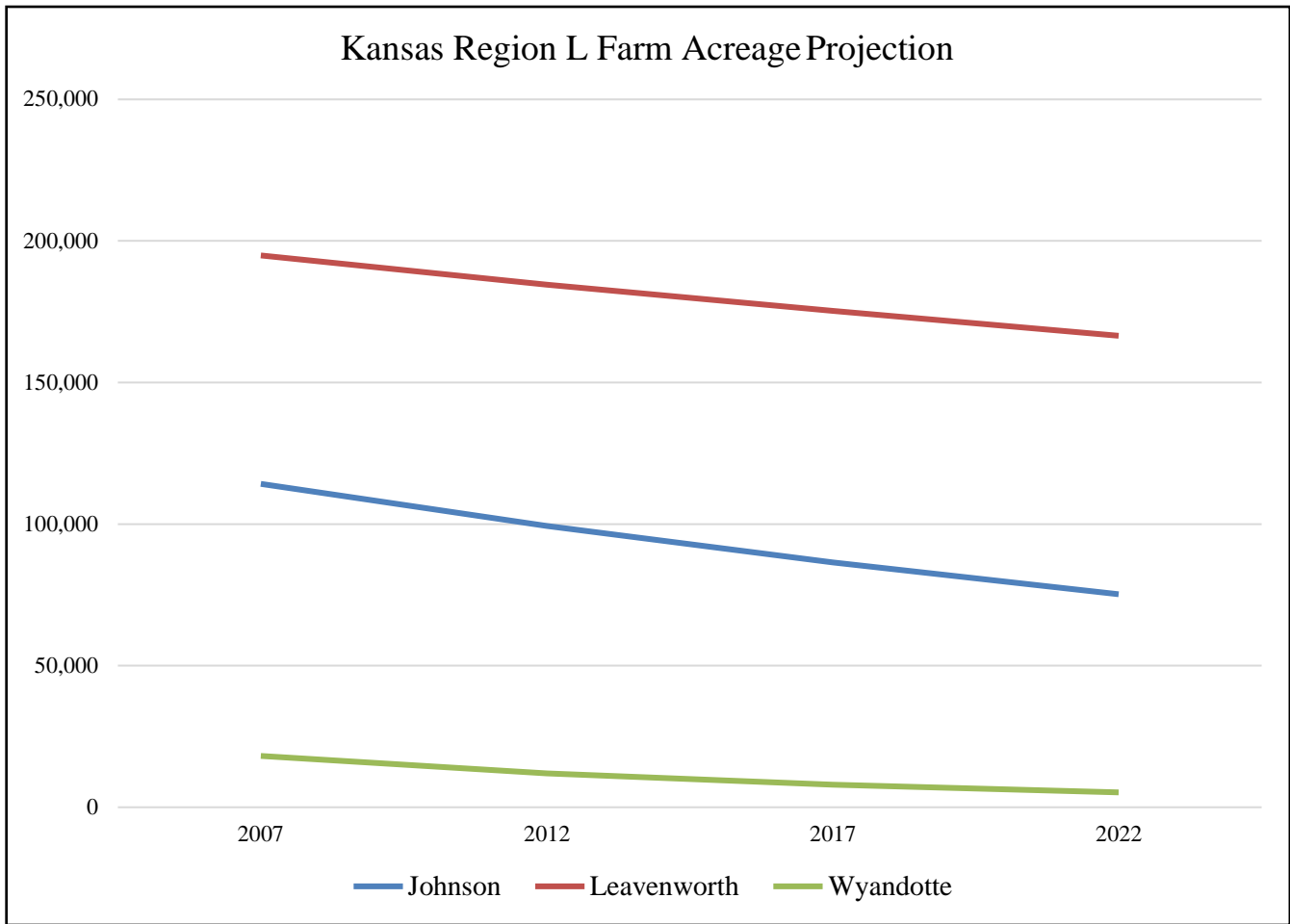
Source: United States Department of Agriculture National Agricultural Statistics Service

Table 3.23: Kansas Region L Farm Acreage Data Projections, 2002 to 2022

County	Farm Acreage, 2007	Farm Acreage, 2012	Farm Acreage, 2017	Farm Acreage, 2022	Estimated 5-Year Percentage Growth Rate
Johnson	114,202	99,354	86,438	75,201	-13%
Leavenworth	194,854	184,471	175,247	166,485	-5%
Wyandotte	18,107	12,009	7,926	5,231	-34%

Source: United States Department of Agriculture National Agricultural Statistics Service





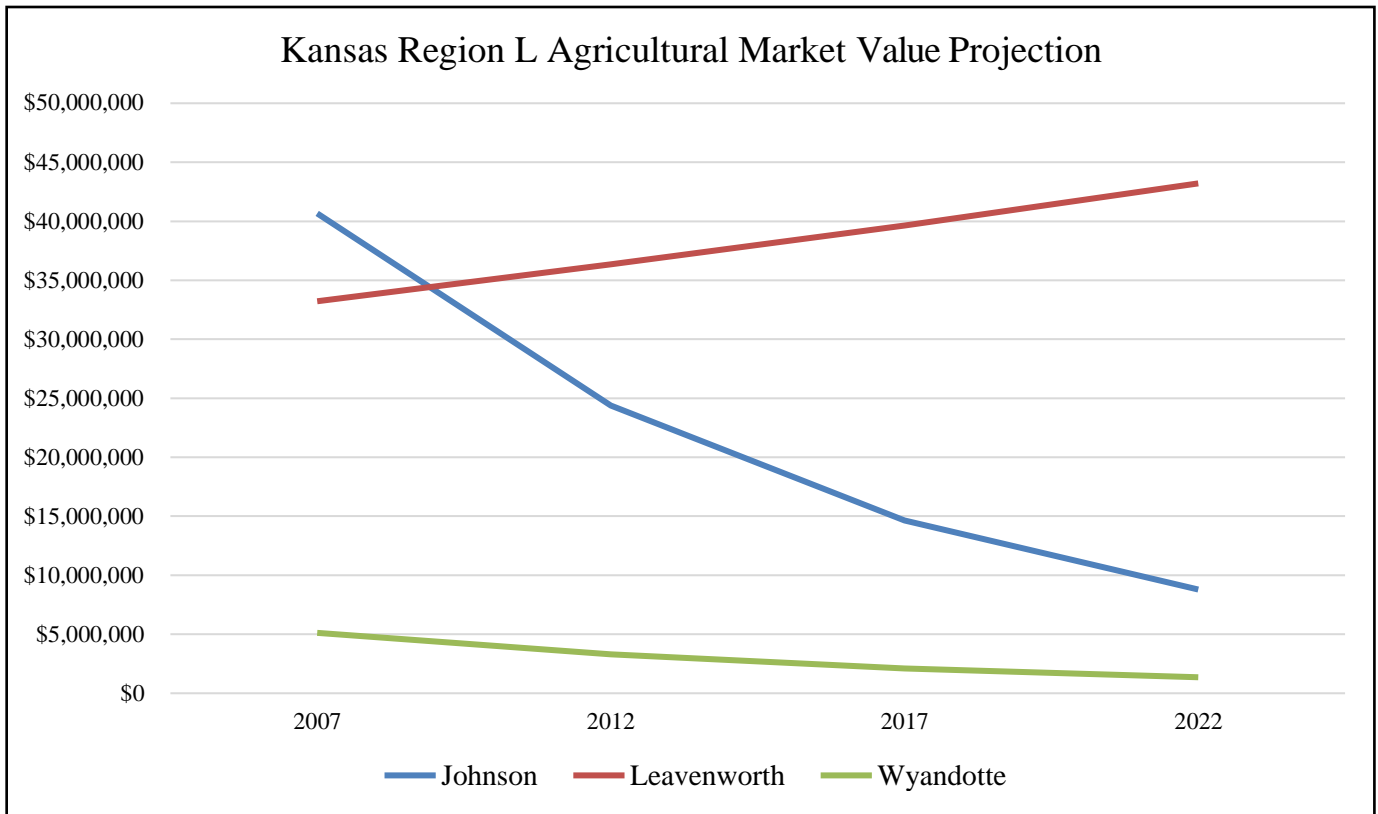
Source: United States Department of Agriculture National Agricultural Statistics Service

Table 3.24: Kansas Region L Farm Data Projections, 2002 to 2022

County	Market Value, 2007	Market Value, 2012	Market Value, 2017	Market Value, 2022	Estimated 5-Year Percentage Growth Rate
Johnson	\$40,659,000	\$24,370,000	\$14,622,000	\$8,773,200	-40%
Leavenworth	\$33,219,000	\$36,367,000	\$39,640,030	\$43,207,633	9%
Wyandotte	\$5,112,000	\$3,291,000	\$2,106,240	\$1,347,994	-36%

Source: United States Department of Agriculture National Agricultural Statistics Service





Source: United States Department of Agriculture National Agricultural Statistics Service

3.13 – Participating Jurisdiction Development Trends

44 CFR 201.6 (c)(2)(ii)(A) The types and numbers of existing and future buildings, infrastructure, and critical facilities located in the identified hazard areas

The following tables present population and housing projection data for participating jurisdictions, by county, in Kansas Region L. The higher a jurisdiction’s population and housing growth the greater their hazard vulnerability.

Table 3.25: Johnson County Participating Jurisdiction Projected Population and Housing Data

Jurisdiction	Projected Population 2034	Projected Population 2051	Estimated 17-Year Percentage Growth Rate	Projected Housing 2032	Projected Housing 2048	Estimated 16-Year Percentage Growth Rate
DeSoto	6,506	6,932	6.54%	3,453	4,880	41.30%
Edgerton	2,178	2,679	22.99%	799	1,010	26.40%
Fairway	3,962	3,967	0.13%	1,758	1,717	-2.30%
Gardner	49,372	113,174	129.23%	15,548	32,620	109.80%
Leawood	43,435	54,432	25.32%	16,339	20,750	27.00%
Lake Quivira	932	935	0.32%	419	435	3.90%
Lenexa	71,274	94,858	33.09%	27,810	36,236	30.30%



Table 3.25: Johnson County Participating Jurisdiction Projected Population and Housing Data

Jurisdiction	Projected Population 2034	Projected Population 2051	Estimated 17-Year Percentage Growth Rate	Projected Housing 2032	Projected Housing 2048	Estimated 16-Year Percentage Growth Rate
Merriam	11,419	11,631	1.85%	5,927	6,425	8.40%
Mission	9,101	8,804	-3.27%	4,971	4,802	-3.40%
Mission Hills	3,553	3,533	-0.56%	1,334	1,342	0.60%
Mission Woods	230	272	18.18%	90	97	7.70%
Olathe	188,773	269,001	42.50%	68,482	98,134	43.30%
Overland Park	245,429	314,910	28.31%	103,056	132,220	28.30%
Prairie Village	22,668	22,971	1.34%	10,287	10,369	0.80%
Roeland Park	6,727	6,683	-0.66%	3,342	3,462	3.60%
Shawnee	89,425	122,065	36.50%	32,701	42,806	30.90%
Spring Hill	16,061	38,976	142.68%	4,655	10,748	130.90%
Westwood	1,787	1,929	7.96%	815	861	5.60%
Westwood Hills	413	431	4.50%	224	256	13.90%

Source: US Census Bureau

Table 3.26: Leavenworth County Participating Jurisdiction Projected Population and Housing Data

Jurisdiction	Projected Population 2034	Projected Population 2051	Estimated 17-Year Percentage Growth Rate	Projected Housing 2032	Projected Housing 2048	Estimated 16-Year Percentage Growth Rate
Basehor	16,167	43,451	168.77%	4,351	9,855	126.50%
Easton	187	134	-28.18%	89	72	-19.60%
Lansing	15,516	20,150	29.87%	4,549	6,078	33.60%
Leavenworth	37,017	37,843	2.23%	14,393	15,185	5.50%
Linwood	411	431	4.81%	64	27	-58.60%
Tonganoxie	10,864	21,680	99.56%	4,144	8,305	100.40%

Source: US Census Bureau

Table 3.27: Wyandotte County Participating Jurisdiction Projected Population and Housing Data

Jurisdiction	Projected Population 2034	Projected Population 2051	Estimated 17-Year Percentage Growth Rate	Projected Housing 2032	Projected Housing 2048	Estimated 16-Year Percentage Growth Rate
Bonner Springs	6,768	7,784	15.01%	3,331	3,664	10.00%
Edwardsville	4,146	4,498	8.49%	1,678	1,692	0.80%

Source: US Census Bureau

Future development speaks to the potential impacts of land use and demographic changes in hazard prone areas. Future development data is speculative as future conditions are subject to numerous unpredictable factors. While past trends are used to inform the discussion, these historical trends are no guarantee of future conditions.



For hazards that affect the entire planning area, the predicted increase in population will tend to increase potential vulnerability. It is difficult to quantify the exact change in vulnerability, but it can be depicted as generally directly proportional to the population change itself.

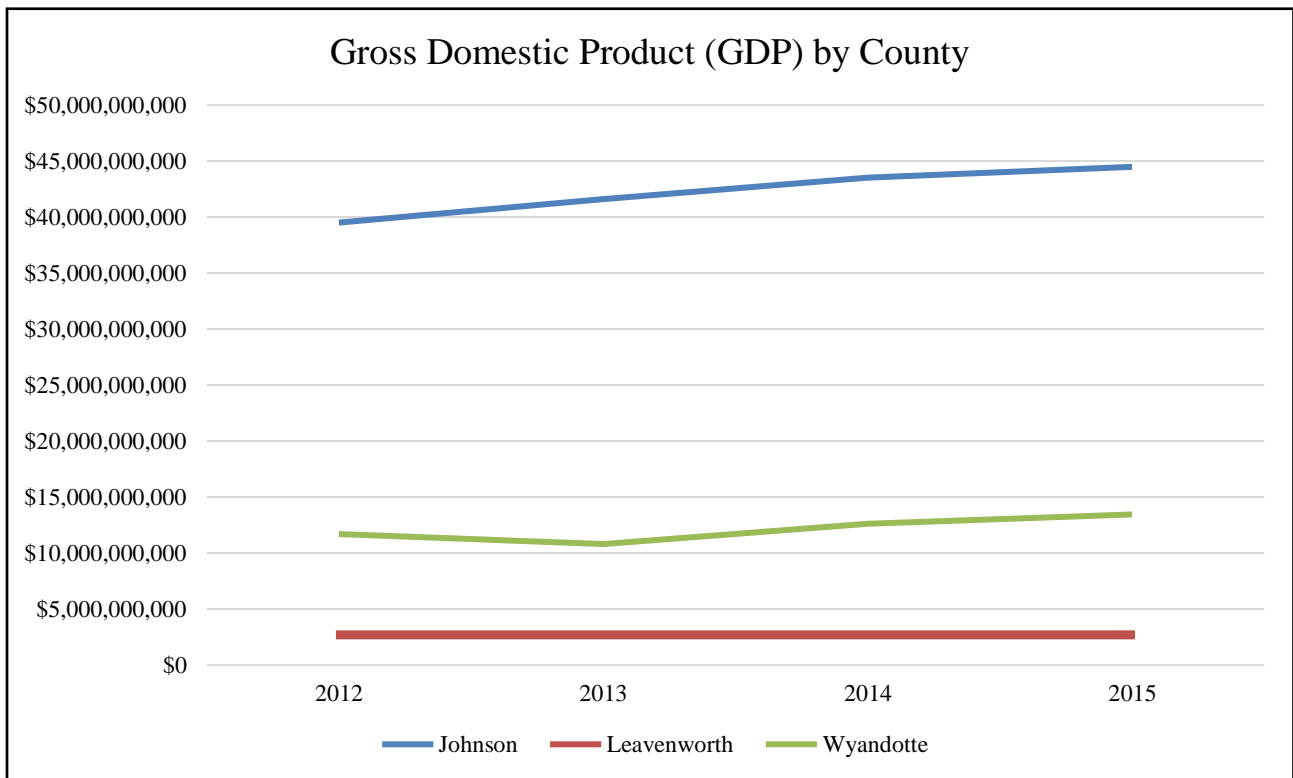
For hazards that affect the entire planning area, the predicted increase in structures will tend to increase potential vulnerability. It is difficult to quantify the exact change in vulnerability, but it can be depicted as generally directly proportional to the change in the number of structures.

As indicated in the data above, the majority of Kansas Region L participating jurisdiction have seen a decrease in farm acreage and, with the exception of Leavenworth County, a decrease in the market value of produced agricultural goods. These continuing agricultural declines could result in decreased exposure to both natural and man-made hazards.

3.14 – Regional Economic Activity Patterns

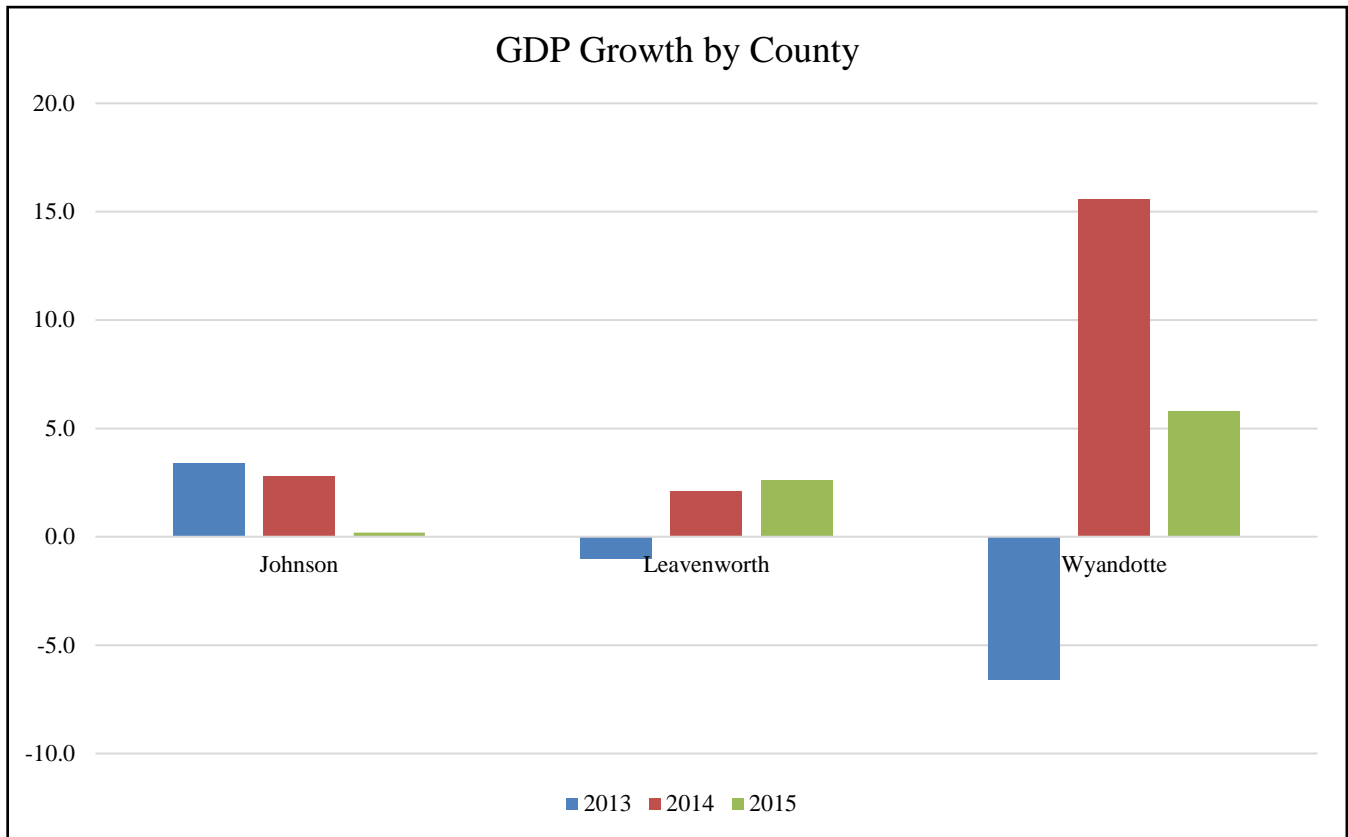
Kansas Region L’s continued economic growth can impact future vulnerability in two ways, by location-based growth in identified hazard prone areas or by the industry type itself, as is the case with chemical manufacturing.

Gross domestic product (GDP) is a measure of the entire output of a defined economy, and roughly equals the total dollar amount of all goods and services produced within a defined area. GDP is the most comprehensive measure of economic activity and business growth. Bureau of Economic Analysis data indicates that all three Kansas Region L counties have shown a slight increase in GDP from 2012 to 2015 (the latest available data).



Source: Bureau of Economic Analysis





Source: Bureau of Economic Analysis

The following tables present data from the United States Census Bureau indicating major sources of employment, by county.

Table 3.28: 2018 Johnson County Employment Data

Employment Classification	Number of establishments	Value of sales, shipments, receipts, revenue, or business done	Number of employees
Professional, scientific, and technical services	2,669	\$4,846,646,000	29,498
Professional, scientific, and technical services	2,662	-	-
Retail trade	1,868	\$10,481,372,000	35,648
Finance and insurance	1,746	-	25,149
Health care and social assistance	1,739	\$4,657,665,000	37,514
Health care and social assistance	1,615	\$3,464,688,000	27,002
Accommodation and food services	1,158	\$1,225,340,000	25,214
Administrative and support and waste management and remediation services	1,093	\$2,050,090,000	34,133
Other services (except public administration)	969	\$789,405,000	7,032
Wholesale trade	915	\$27,613,717,000	18,267
Real estate and rental and leasing	914	\$1,271,220,000	4,765

Source: US Census Bureau

-: Data unavailable



Table 3.29: 2018 Leavenworth County Employment Data

Employment Classification	Number of establishments	Value of sales, shipments, receipts, revenue, or business done	Number of employees
Retail trade	174	\$541,471,000	2,088
Health care and social assistance	137	\$288,242,000	2,981
Professional, scientific, and technical services	125	-	-
Professional, scientific, and technical services	121	-	-
Health care and social assistance	114	-	-
Other services (except public administration)	99	\$36,493,000	447
Accommodation and food services	98	\$66,690,000	1,439
Finance and insurance	84	-	1,035
Other services (except public administration)	83	\$33,153,000	409
Administrative and support and waste management and remediation services	74	-	-

Source: US Census Bureau

-: Data unavailable

Table 3.30: 2018 Wyandotte County Employment Data

Employment Classification	Number of establishments	Value of sales, shipments, receipts, revenue, or business done	Number of employees
Retail trade	452	\$1,769,413,000	6,929
Health care and social assistance	320	\$1,568,583,000	13,552
Accommodation and food services	265	\$284,597,000	5,206
Health care and social assistance	246	-	-
Wholesale trade	225	\$5,611,137,000	5,758
Other services (except public administration)	222	\$270,664,000	1,320
Professional, scientific, and technical services	191	\$305,883,000	2,703
Professional, scientific, and technical services	189	-	-
Other services (except public administration)	177	\$97,286,000	908
Manufacturing	174	\$11,105,920,000	10,537

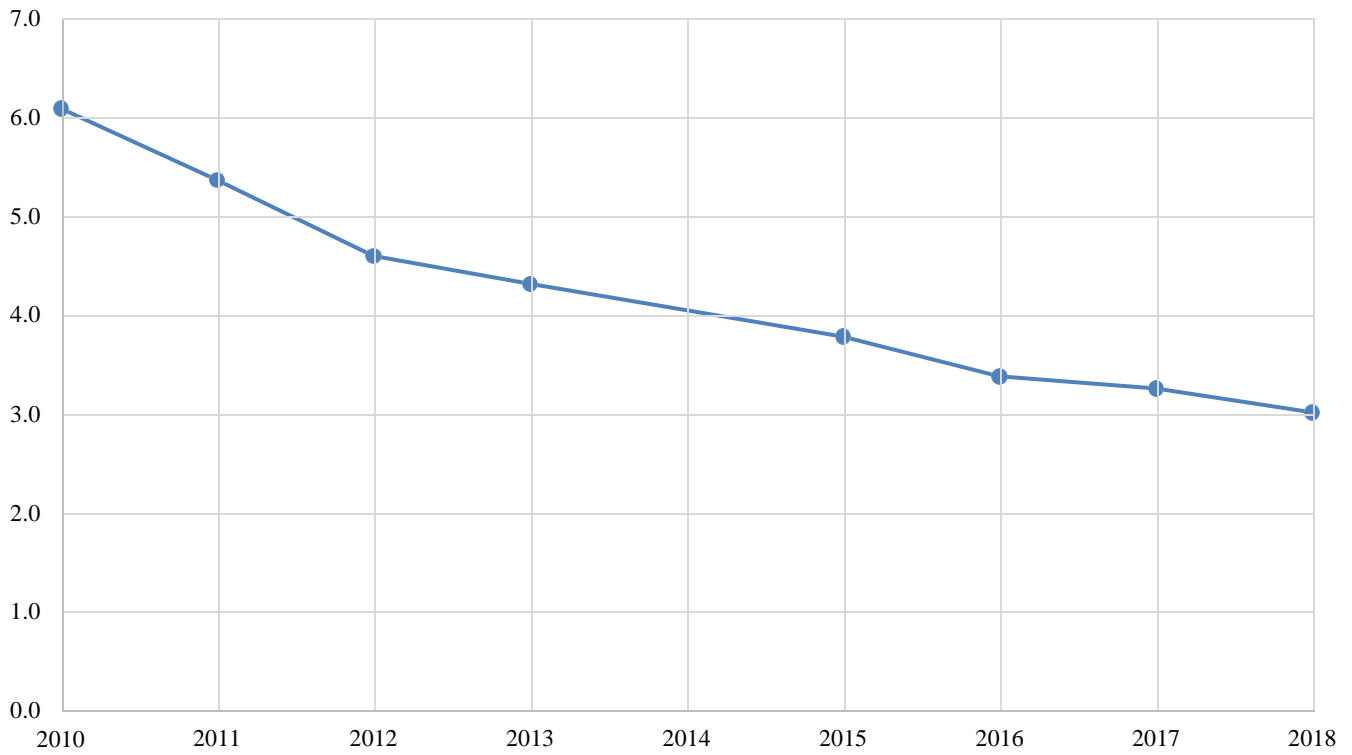
Source: US Census Bureau

-: Data unavailable

The average Kansas Region L unemployment rate of 3.7% in 2018 was slightly higher than the average State of Kansas unemployment rate of 3.4%. The following graphs illustrate Kansas Region L unemployment rates by county from 2010 through end of year 2018.

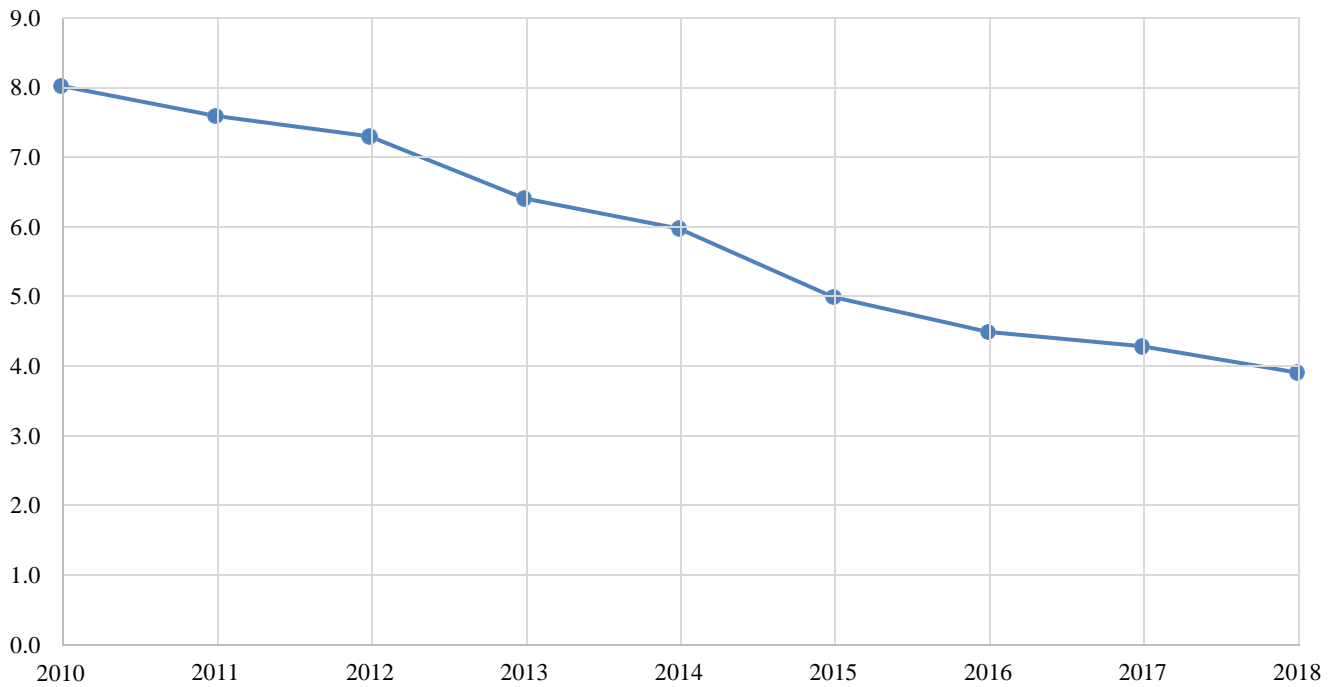


Johnson County Unemployment Rate, 2010 - 2018



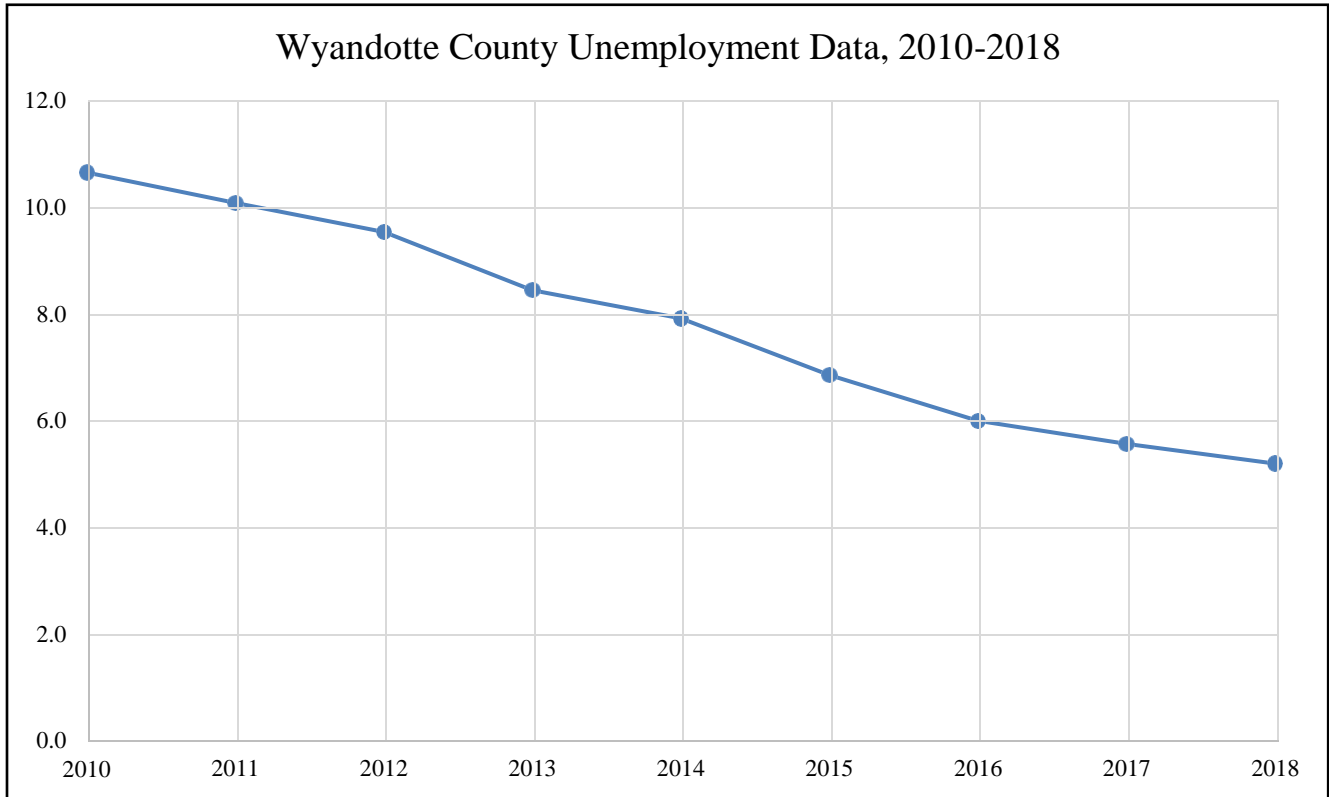
Source: Federal Reserve Bank of St. Louis

Leavenworth County Unemployment Data, 2010-2018



Source: Federal Reserve Bank of St. Louis





Source: Federal Reserve Bank of St. Louis

3.15 – Climate Change

For hazards related to weather patterns, climate change should be considered as it may cause significant changes in patterns and event frequency. There is a scientific consensus that climate change is occurring, and recent climate modeling results indicate that extreme weather events may become more common. Rising average temperatures produce a more variable climate system which may result in an increase in the frequency and severity of some extreme weather events, including:

- Longer and hotter heat waves
- An increased risk of wildfires
- Higher wind speeds
- Greater rainfall intensity
- Increased tornado activity.

As climate modeling improves, future plan updates should include climate change as a factor in the ranking of natural hazards as these are expected to have a significant impact on Kansas Region L communities. Where applicable, potential climate change factors will be addressed in subsequent sections for relevant identified hazards.

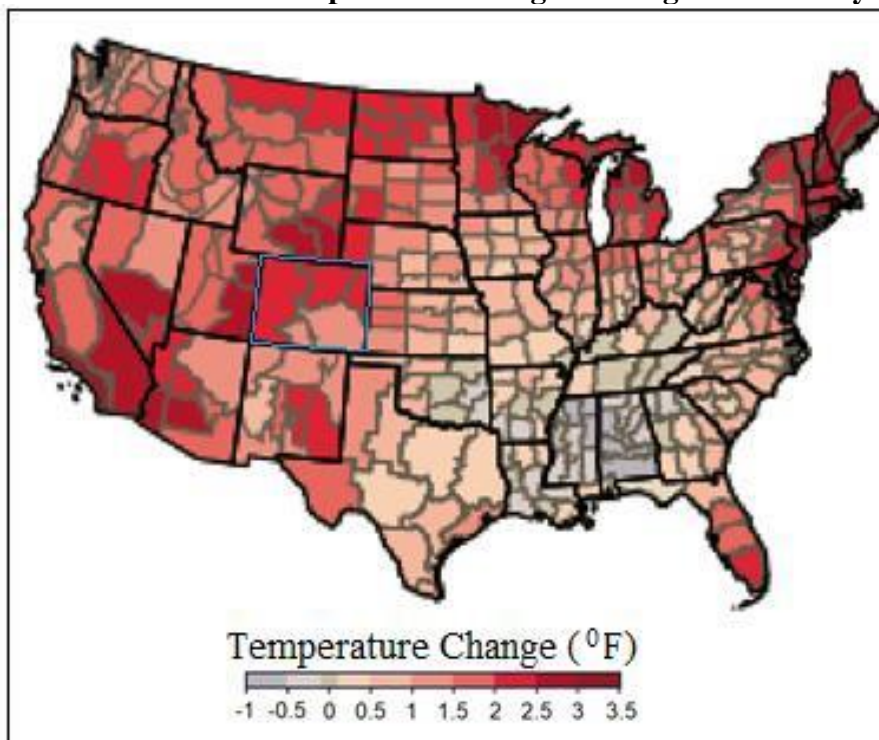
According to the United State Environmental Protection Agency (EPA) “What Climate Change Means for Kansas” (August 2016), “In the past century, most of the state has warmed by at least half a degree (F). The soil is becoming drier. Rainstorms are becoming more intense, and floods are becoming more



severe. Warming winters and changes in the timing and size of rainfall events have altered crop yields. In the coming decades, summers are likely to become increasingly hot and dry, creating problems for agriculture and possibly human health.”

The following map illustrates EPA modeled temperature changes during the last century.

USEPA Modeled Temperature Changes During Last Century



Concerning potential impacts on agriculture, the report states “Rising temperatures, drier soils, and decreasing water availability are likely to present challenges for Kansas’s farms. Yields would decline by about 50 percent in fields that can no longer be irrigated. Even where ample water is available, higher temperatures would reduce yields of corn. Increased concentrations of carbon dioxide, however, may increase yields of wheat and soybean enough to offset the impact of higher temperature. Although warmer and shorter winters may allow for a longer growing season, they may also promote the growth of weeds and pests, and shorten the dormancy for many winter crops, which could increase crop losses during spring freezes. The early flowering of winter wheat could have negative repercussions on livestock farmers who depend on it for feed. Livestock themselves may also be affected by more intense heat waves and lack of water. Hot weather causes cows to eat less, grow more slowly, and produce less milk, and it can threaten their health.”

Concerning potential impacts on rainfall, flooding, and drought, the report states “Although summer droughts are likely to become more severe, floods may also intensify. During the last 50 years, the amount of rain falling during the wettest four days of the year has increased about 15 percent in the Great Plains. River levels associated with flooding have increased in eastern Kansas. Over the next several decades, the amount of rainfall during the wettest days of the year is likely to continue to increase, which would increase flooding.”



Concerning potential impacts on tornados, the report states “Scientists do not know how the frequency and severity of tornados will change. Rising concentrations of greenhouse gases tend to increase humidity, and thus atmospheric instability, which would encourage tornados. But wind shear is likely to decrease, which would discourage tornados. Research is ongoing to learn whether tornados will be more or less frequent in the future. Because Kansas experiences about 100 tornados a year, such research is closely followed by meteorologists in the state.”

Concerning potential impacts on human health, the report states “By 2050, Kansas is likely to have four times as many days above 100°F. Certain people are especially vulnerable, including children, the elderly, the sick, and the poor. The elderly may be particularly prone to heat stress and other heat-related health problems, including dehydration, cardiovascular strain, and respiratory problems. Those with low incomes may be particularly vulnerable due to a lack of air conditioning. Power failures due to severe weather can also present risks, especially in lightly populated areas where access to the necessary support services may be limited.”



4.0 Hazard Profiles

4.1 – Introduction

The ultimate purpose of this HMP is to minimize the loss of life and property. To accomplish this, all relevant hazards and vulnerabilities the region faces have been identified. Once this identification has been completed, Kansas Region L and all participating jurisdictions can use the accumulated data to assist in the development of and prioritization of mitigation action to defend against these potential risks.

4.2 – Methodology

Each hazard that has historically, or could potentially, affect Kansas Region L is reviewed and discussed in detail. In general, each hazard details the following information:

- Location and Extent
- Previous Occurrences
- Hazard Probability Analysis
- Vulnerability Assessment

Data sets used for this HMP were designed to follow the lead of the 2018 State of Kansas Hazard Mitigation Plan. Ten-year data sets from the National Oceanic and Atmospheric Administration (NOAA) National Centers for Environmental Information (NCEI) (2009 to 2018, with 2009 and 2018 being full data set years) were used, where applicable, for hazard occurrence and impact data. Five-year data sets from the United States Department of Agriculture (USDA) Risk Management Agency (2014 to 2018, with 2013 and 2018 being full data set years) were used to determine agricultural losses. The five-year data set was used to reflect the change in the climate and more accurately depict changes in our state. A review of the 2018 State of Kansas Hazard Mitigation Plan, which utilized a six-year data set for agricultural impacts, indicated that planning critically of hazards did not change based on the length of the data set. Where data sets were unavailable for a hazard, local reporting from participating jurisdictions was relied upon.

In addition, to ensure compliance with the Emergency Management Accreditation Program (EMAP) standards, a hazard consequence analysis was conducted for each hazard detailing the following potential impacts:

- Health and Safety of the Public
- Health and Safety of Responders
- Continuity of Operations; Property, Facilities, and Infrastructure
- Environment
- Economic Conditions
- Public Confidence in the Jurisdiction’s Governance.

4.3 – Declared Federal Disasters

Historical events of significant magnitude or impact can result in a Secretarial or Presidential Disaster Declaration. The MPC reviewed the historical federal disaster declarations to assist in hazard identification. Since the approval of the previous Kansas Region L hazard mitigation plan in 2013, there



has been one federal disaster declarations for the region. This 2017 declaration, which included Johnson and Wyandotte Counties, and was issued for the following:

- DR 4347: July 22 – 27, 2017 - Severe Storms, Straight-Line Winds, And Flooding

Additionally, for the 20-year period from 2009 to 2018, Kansas Region L has had 12 federal disaster declarations. These declarations included the following identified hazards:

- Flooding
- Severe Storms
- Straight-line Winds
- Severe Winter Storms
- Tornados

Information on past declared disasters are presented in the subsequent, relevant sections.

4.4 – Identified Potential Hazards

Based on the above data, and data contained in previous mitigation plans, Kansas Region L’s MPC met to discuss previously identified hazards and deliberate on any changes or additions. Based on this review, no changes, additions or subtractions were indicated for any identified hazard. Additionally, a thorough and comprehensive revision of data for each hazard was completed as part of this plan update.

The MPC confirmed sixteen natural hazards and six man-made hazards that may impact Kansas Region L. These hazards, listed by planning significance, are as follows:

- Flood
- Tornado
- Windstorm
- Winter Storm
- Drought
- Utility/Infrastructure Failure
- Hazardous Materials Incident
- Wildfire
- Civil Disorder
- Lightning
- Major Disease Outbreak
- Agricultural Infestation
- Terrorism/Agri-Terrorism
- Hailstorm
- Extreme Temperatures
- Dam/Levee Failure
- Expansive Soils
- Radiological Event
- Earthquake
- Landslide



- Soil Erosion and Dust
- Land Subsidence

Based on discussion with the MPC, a lack of identified risk or history, and geographic improbability, numerous FEMA identified hazards such as coastal erosion, hurricane, and tsunami were not included in the scope of this plan.

4.5 – Hazard Planning Significance

Previous planning efforts used the calculated priority risk index (CPRI) methodology to assign a planning significance to each of the identified hazards. For planning continuity, CPRI is also referenced and utilized for this HMP. CPRI considers the following four elements of risk:

- Probability of an Impactful Event
- Magnitude/Severity
- Warning Time
- Duration

Each element was then assigned a number based on pre-established rating parameters. The following tables provide a summary for each of the risk elements, including a rationale behind each numerical rating.

Table 4.1: CPRI Element Ratings

CPRI Element	Rating Number and Definition			
	1	2	3	4
Probability	Unlikely (10% chance of occurrence)	Occasional (20% chance of occurrence)	Likely (33% chance of occurrence)	Highly Likely (100% chance of occurrence)
Magnitude	Negligible (Minor injuries and <10% of property severely damaged)	Limited (Multiple injuries and 10-25% of property severely damaged)	Critical (Multiple disabling injuries and 25-50% of property severely damaged)	Catastrophic (Multiple deaths and 50% of property severely damaged)
Warning Time	24+ hours	12-24 hours	6-12 hours	<6 hours
Duration	< 6 hours	< 1 day	< 1 week	1 week +

Using the rankings, the following weighted formula was used to determine each hazard’s CPRI:

$$(\text{Probability} \times 0.45) + (\text{Magnitude/Severity} \times 0.30) + (\text{Warning Time} \times 0.15) + (\text{Duration} \times 0.10)$$

Each planning significance category was assigned a CPRI range, with a higher score indicating greater planning criticality. The following table details planning significance CPRI ranges.



Table 4.2: CPRI Range Planning Significance

Planning Significance	CPRI Range	
	Low CPRI	High CPRI
High	3.0	4.0
Moderate	2.0	2.9
Low	1.0	1.9

The following table shows the CPRI ratings for Kansas Region L.

Table 4.3: Kansas Region L Natural Hazard CPRI Planning Significance

Hazard	Probability	Magnitude/Severity	Warning Time	Duration	CPRI
Agricultural Infestation	2.0	1.8	1.0	4.0	2.3
Dam and Levee Failure	1.6	2.2	2.4	2.8	2.1
Drought	2.0	2.1	1.1	3.9	2.5
Earthquake	1.6	1.3	3.9	1.6	1.7
Expansive Soils	1.8	1.2	2.8	4.0	2.1
Extreme Temperature	3.1	2.2	1.3	3.5	2.5
Flood	3.6	2.9	2.8	3.0	3.1
Hailstorm	4.0	2.1	3.6	1.0	2.9
Land Subsidence	1.4	1.2	2.9	2.6	2.0
Landslide	1.0	1.2	3.1	1.3	1.7
Lightning	3.2	1.6	3.3	1.3	2.3
Soil Erosion & Dust	3.0	1.4	1.8	3.7	2.1
Tornado	3.8	3.5	4.0	1.6	3.4
Wildfire	3.5	1.8	3.9	2.0	3.0
Windstorm	3.8	2.1	3.4	2.4	3.1
Winter Storm	3.8	2.6	2.6	3.1	3.2

Table 4.4: Kansas Region L Man-Made Hazard CPRI Planning Significance

Hazard	Probability	Magnitude/Severity	Warning Time	Duration	CPRI
Civil Disorder	3.8	2.1	4.0	2.2	2.9
Hazardous Materials Event	3.2	1.7	1.1	4.0	2.6
Major Disease Outbreak	1.0	1.0	3.7	3.9	1.8
Radiological Event	1.3	2.8	3.5	3.8	2.5
Terrorism, Agri-Terrorism	3.4	2.2	3.6	2.8	3.0
Utility / Infrastructure Failure	3.8	2.1	4.0	2.2	2.9

The average CPRI for each identified hazard remained the same as the calculated CPRI for the 2014 planning effort.



4.6 – Hazard Profiles

44 CFR 201.6(c)(2)(i) A description of the type, location, and extent of all natural hazards that can affect the jurisdiction. The plan shall include information on previous occurrences of hazard events and on the probability of future hazard events.

Each identified hazard is profiled in the subsequent sections, with the level of detail varying based on available information. Sources of information are cited in the detailed hazard profiles below.

The majority of the hazards were identified as having regional implications, and as such are addressed on a county or regional basis. However, for hazards that have a more local bias, such as flooding, data on those local concerns is addressed as appropriate and as available,

The following hazards are presented in order of planning significance.



4.7 – Flood

Floods are most common in seasons of rain and thunderstorms. Floods that threaten Kansas Region L can be generally classified under two categories:

- **Flash Flood:** The product of heavy, localized precipitation in a short time period over a given location
- **Riverine Flood:** Occurs when precipitation over a given river basin for a long period of time causes the overflow of rivers, streams, lakes and drains



4.7.1 – Location and Extent

Flash Flooding

The NWS provides the following definitions of warnings for actual and potential flood conditions for Flash Floods:

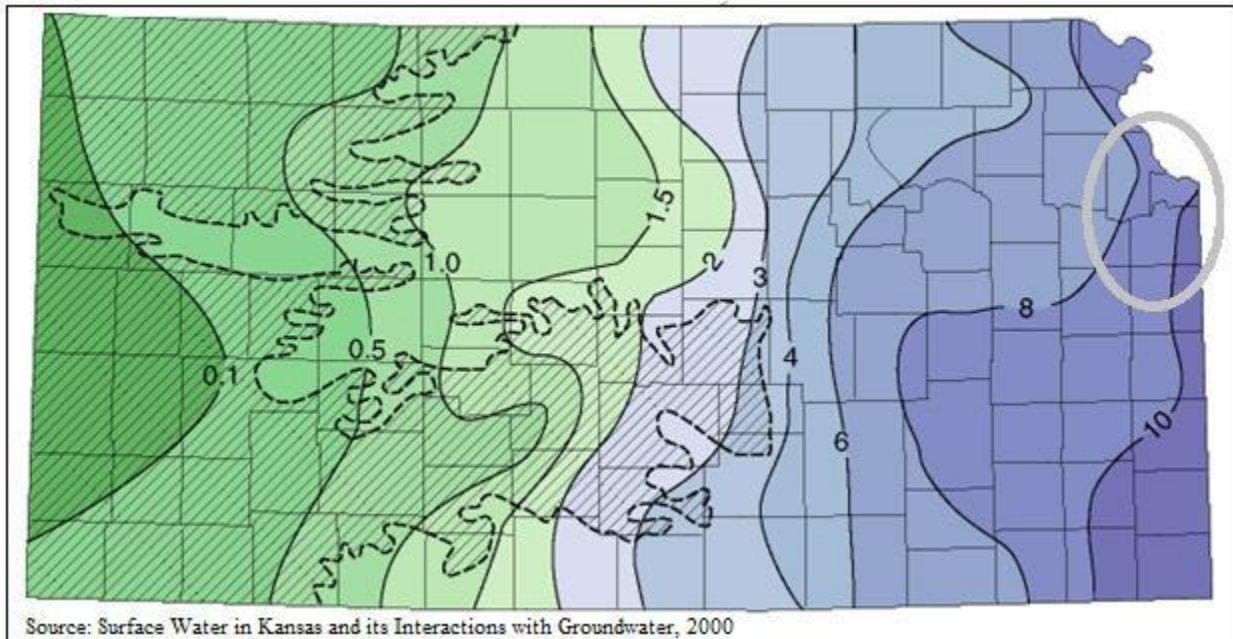
- **Flash Flood Watch:** Issued to indicate current or developing hydrologic conditions that are favorable for flash flooding in and close to the watch area, but the occurrence is neither certain or imminent.
- **Flash Flood Warning:** Issued to inform the public, emergency management and other cooperating agencies that flash flooding is in progress, imminent, or highly likely.
- **Flash Flood Statement:** In hydrologic terms, a statement by the National Weather Service (NWS) which provides follow-up information on flash flood watches and warnings.

In general, flash flooding occurs in those locations in the planning area that are low-lying and/or do not have adequate drainage. Data from Kansas State University indicates that the average annual precipitation for Kansas Region L was 35.5 inches per year for the recorded six-year period of 2013 – 2018. This is below the thirty-year recorded average between 1891 and 2010 of 42.0 inches.

The following map illustrates the distribution of water runoff in Kansas. Surface runoff is water from rain or snowmelt that flows on the surface and does not percolate into the subsurface. In general, the higher the surface runoff, the higher the potential for flash flooding.



Annual Runoff, in Inches



Riverine Flooding

In general, riverine flooding occurs from the overflow of rivers, streams, drains, and lakes due to excessive rainfall. The NWS provides the following definitions of warnings for actual and potential flood conditions for riverine flooding:

- **Flood Potential Outlook:** In hydrologic terms, a NWS outlook that is issued to alert the public of potentially heavy rainfall that could send rivers and streams into flood or aggravate an existing flood.
- **Flood Watch:** Issued to inform the public and cooperating agencies that current and developing hydro meteorological conditions are such that there is a threat of flooding, but the occurrence is neither certain nor imminent.
- **Flood Warning:** In hydrologic terms, a release by the NWS to inform the public of flooding along larger streams in which there is a serious threat to life or property. A flood warning will usually contain river stage (level) forecasts.
- **Flood Statement:** In hydrologic terms, a statement issued by the NWS to inform the public of flooding along major streams in which there is not a serious threat to life or property. It may also follow a flood warning to give later information.

All areas of Kansas Region L located near a stream or river are at risk of riverine flooding. While riverine floods can and do occur at various levels, the one percent annual chance flood has been chosen as the basis for this risk assessment. This level is the accepted standard for flood insurance and regulatory purposes. Flood probability can be expressed by recurrence interval, the average period of time for a flood that equals or exceeds a given magnitude, expressed as a period of years. The probability of occurrence of a given flood can also be expressed as the odds of recurrence of one or more similar or bigger floods in a certain number of years. Large, catastrophic floods have a very low frequency or probability of occurrence, whereas smaller floods occur more often. The larger the number of years in a recurrence



interval, the smaller the chances of experiencing that flood in a year. However, the odds are never zero, even very large, uncommon floods always have a very small chance of recurring every year. When reviewing flood probability, it is important to note that once a flood occurs its chance of recurring the next year remains the same.

Table 4.5: Flood Recurrence Interval Probability

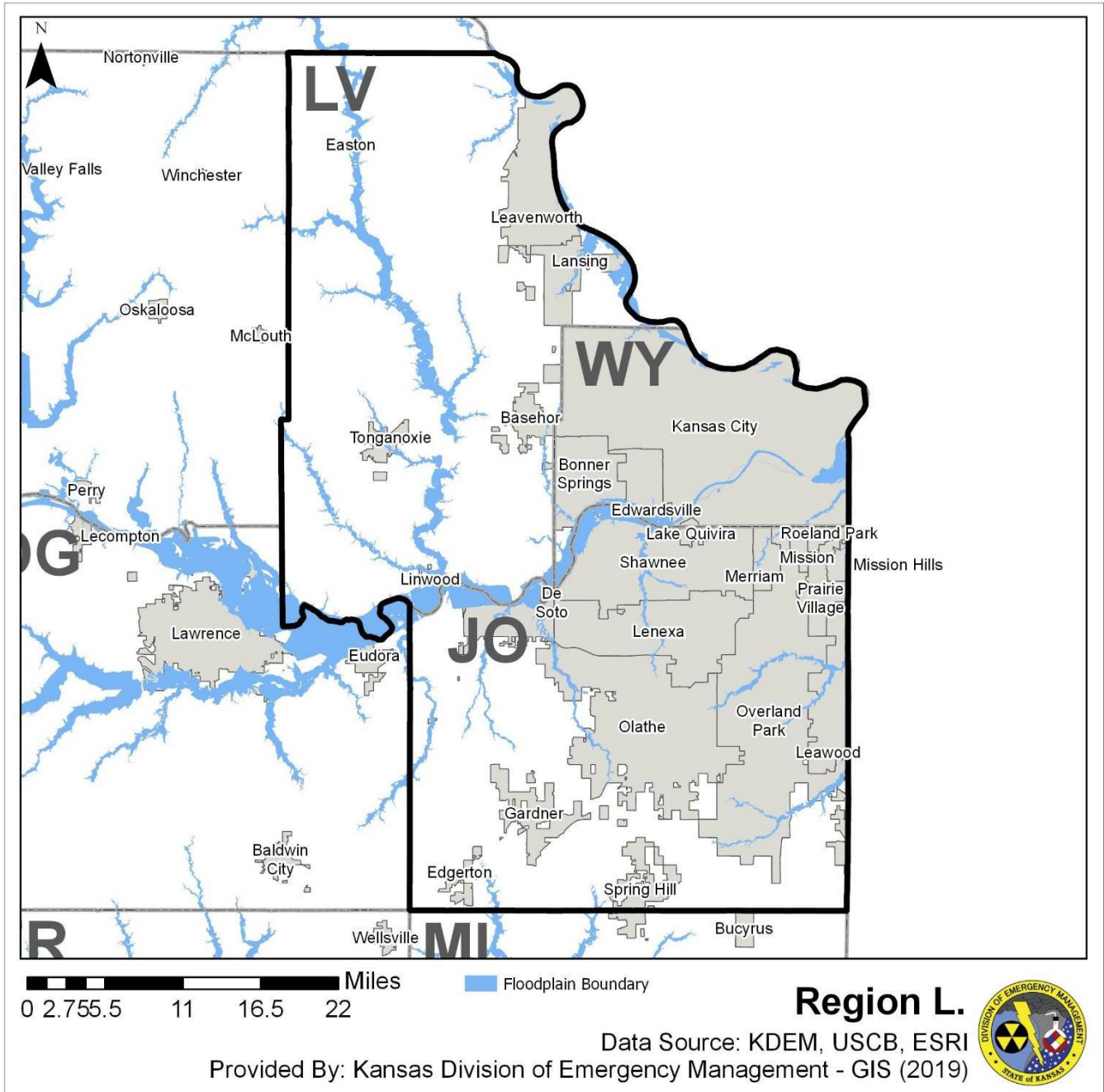
Recurrence Interval, in Years	Probability of Occurrence in Any Given Year	Percent Chance of Occurrence in Any Given Year
100	1 in 100	1
50	1 in 50	2
25	1 in 25	4
10	1 in 10	10
5	1 in 5	20
2	1 in 2	50

Source: FEMA

The following map, generated by KDEM using available data, depicts regional one percent annual flood areas.



Regional One Percent Annual Flood Areas

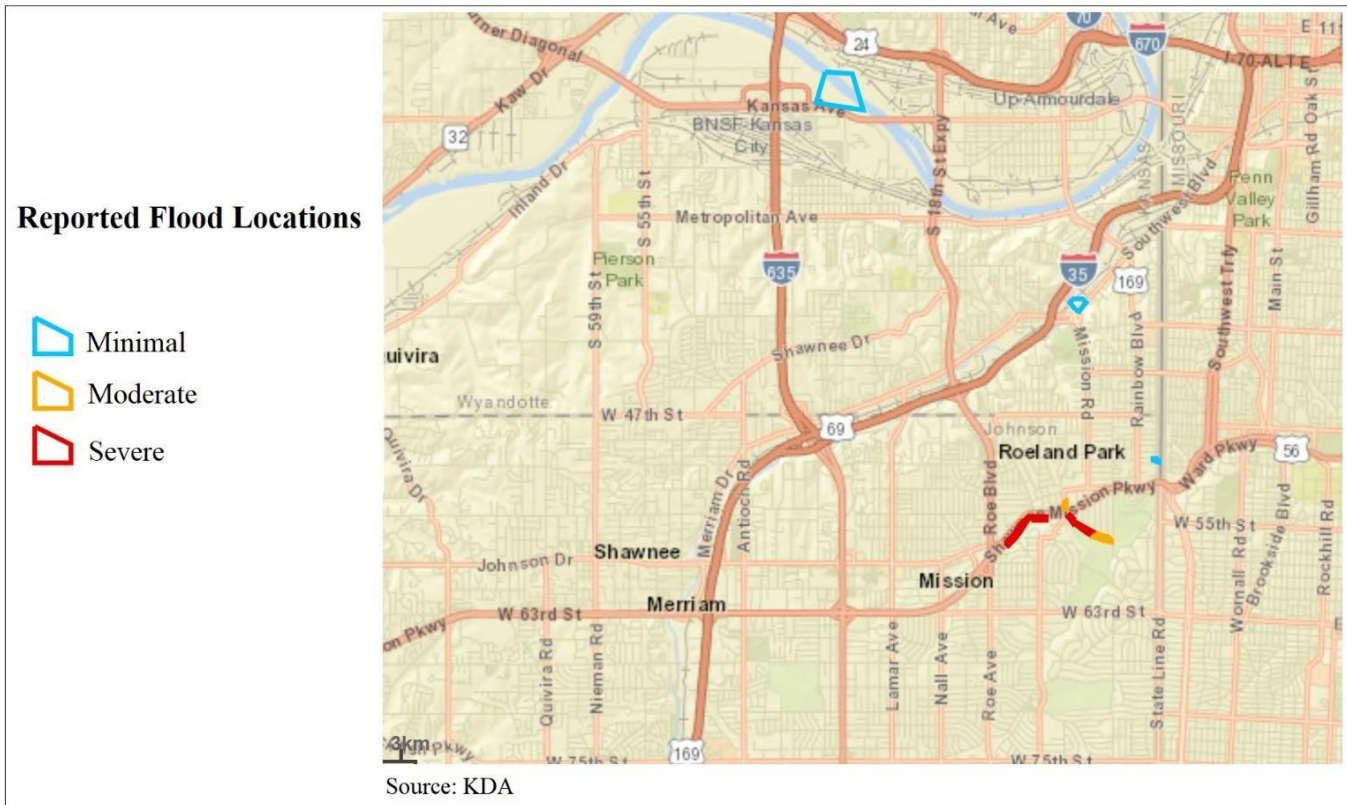


Local Concerns

Many local jurisdictions are subject to areas of repeat flooding. In an effort to identify these areas the Kansas Department of Agriculture (KDA), in conjunction with the United States Army Corps of Engineers (USACE) Silver Jackets, has created a mapping system under the Recurring Flood Identification Project. This system allows for the local mapping of known flood areas within regional jurisdictions. Three classifications of flooding areas are used, minimal moderate and severe. The following map indicates identified repeat flood areas within the region.

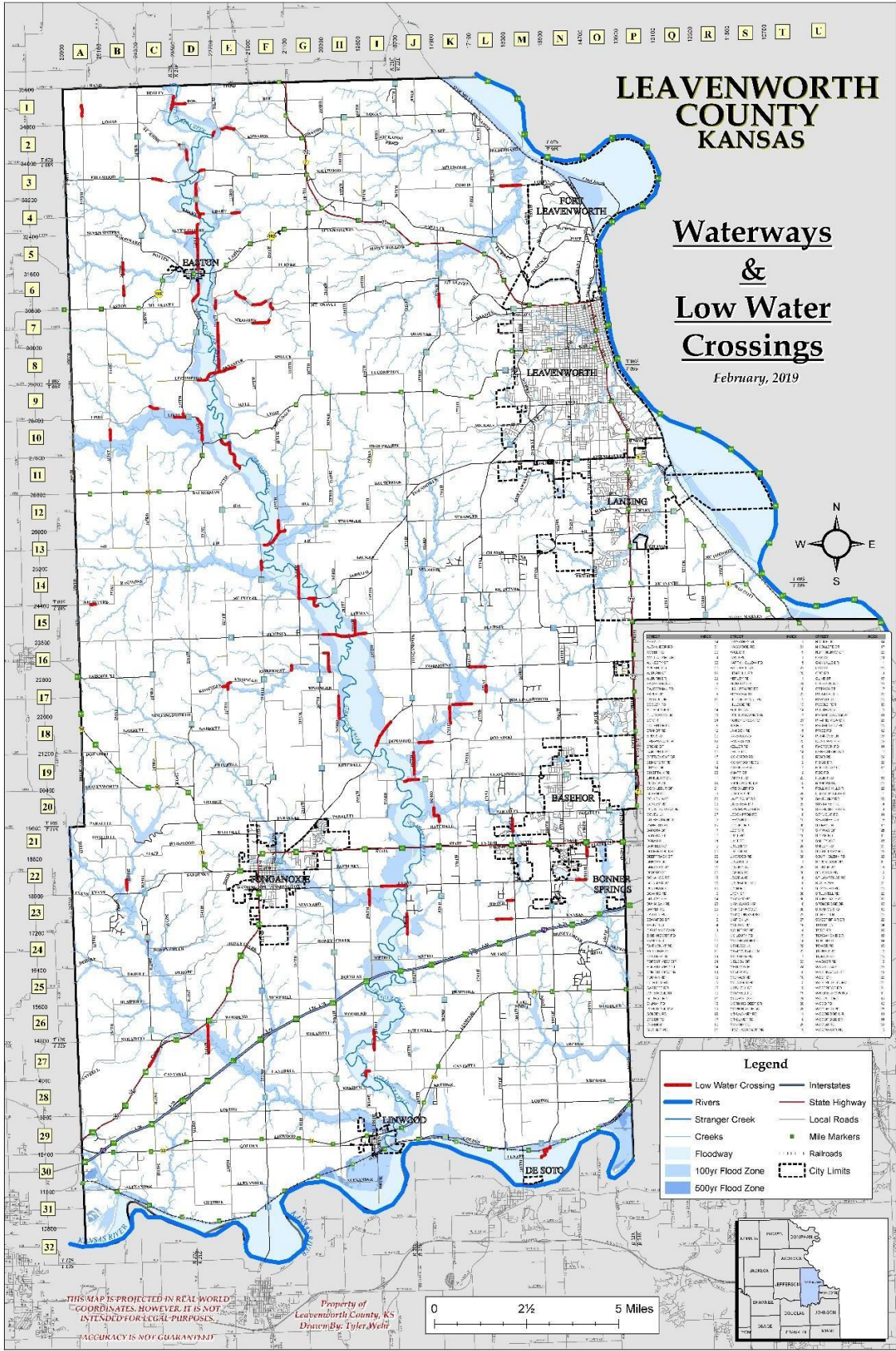


KDA/Silver Jackets Repeat Flood Locations



The following map shows the location of all low water crossings of concern in Leavenworth County.





4.7.2 – Previous Occurrences

In the 20-year period from 1999 to 2018 (with 1999 and 2018 being full data set years), there have been eight Presidential Disaster Declarations for the Kansas Region L for floods (along with other associated hazard events such as tornados or severe storms). The following 20-year information on past declared disasters is presented to provide a historical perspective on flood events that have impacted the Kansas Region L. Declaration numbers in bold indication declared disaster that have occurred since the previous mitigation plan update in 2013.

Table 4.6: Kansas Region L FEMA Flood Disaster and Emergency Declarations, 1999 -2018

Declaration Number	Incident Period	Disaster Description	Regional Counties Involved	Dollars Obligated
4347	11/7/2017 (7/22/2017 – 7/27/2017)	Severe Storms, Straight-Line Winds, Flooding	Johnson, Wyandotte	\$6,195,147.97
4035	09/23/2011 (6/1-8/1/2011)	Flooding	Leavenworth and Wyandotte	\$7,462,881
1699	5/6/2007 (5/4/2007)	Severe Storms, Tornados, and Flooding	Leavenworth	\$117,565,269
1615	11/21/2005 (10/1-2/2005)	Severe Storms and Flooding	Leavenworth	\$10,286,064
1579	2/8/2005 (1/4-6/2005)	Severe Winter Storm, Heavy Rains, and Flooding	Leavenworth and Wyandotte	\$106,873,672
1562	09/30/2004 (8/27-30/2004)	Severe Storms, Flooding , and Tornados	Wyandotte	\$2,103,376
1535	8/3/2004 (6/12-7/25/2004)	Severe Storms, Flooding , and Tornados	Wyandotte	\$12,845,892
1462	5/6/2003 (5/4-30/2003)	Severe Storms, Tornados, and Flooding	Leavenworth and Wyandotte	\$988,056

Source: FEMA

The following provides details of the single Presidential Disaster Declarations for Kansas Region L since the last plan update in 2013.

Kansas – Severe Storms, Straight-Line Winds, and Flooding FEMA-4347-DR

Declared November 7, 2017

On August 31, 2017, Governor Sam Brownback requested a major disaster declaration due to severe storms, straight-line winds, and flooding during the period of July 22-27, 2017. The Governor requested a declaration for Public Assistance for two counties and Hazard Mitigation statewide. During the period of August 18-24, 2017, joint federal, state, and local government



Preliminary Damage Assessments (PDAs) were conducted in the requested counties and are summarized below. PDAs estimate damages immediately after an event and are considered, along with several other factors, in determining whether a disaster is of such severity and magnitude that effective response is beyond the capabilities of the state and the affected local governments, and that Federal assistance is necessary.

On November 7, 2017, President Trump declared that a major disaster exists in the State of Kansas. This declaration made Public Assistance requested by the Governor available to state and eligible local governments and certain private nonprofit organizations on a cost-sharing basis for emergency work and the repair or replacement of facilities damaged by the severe storms, straight-line winds, and flooding in Johnson and Wyandotte Counties. This declaration also made Hazard Mitigation Grant Program assistance requested by the Governor available for hazard mitigation measures statewide.

In addition to the above reported events, the following table presents National Oceanic and Atmospheric Administration (NOAA) National Centers for Environmental Information (NCEI) identified flood events and the resulting damage totals in Kansas Region L from the period 2009 - 2018.

Table 4.7: Kansas Region L NCEI Flood and Flash Flood Events, 2009 - 2018

County	Event Type	Number of Days with Events	Property Damage	Deaths	Injuries
Johnson	Flood	5	\$0	0	0
	Flash Flood	20	\$0	0	0
Leavenworth	Flood	3	\$0	0	0
	Flash Flood	18	\$500	0	0
Wyandotte	Flood	1	\$0	0	0
	Flash Flood	6	\$5,000	0	0

Source: FEMA

The following are descriptions of both NCEI and locally reported events.

- **Edwardsville (Wyandotte County):** July 22-27, 2017
A flash flood at 98th and Betts Creek causing a temporary road closure and \$14,000 in damages.
- **Leawood (Johnson County):** July 22-27, 2017
Flooding damaged numerous utilities and facilities. Damages were reported.
- **Mission Hills (Johnson County):** July 22-27, 2017
Flooding was reported along Brush Creek and its tributaries. During the flood event the City's low water bridges were closed. No damages were reported.
- **Shawnee (Johnson County):** July 22 -27, 2017
Flooding damaged numerous stormwater utilities. \$500,000 in damages were reported.

Available crop loss data from the USDA Risk Management Agency detailing cause of loss was researched to determine the financial impacts of flooding on the region's agricultural base. Crop loss data for the



years 2014- 2018 (with 2014 and 2018 being full data years), for the region, indicates no tornado related claims.

Table 4.8: USDA Risk Management Agency Cause of Loss Indemnities 2014-2018, Flooding

County	Number of Reported Claims	Acres Lost	Total Amount of Loss
Johnson	2	73	\$5,490
Leavenworth	28	2,801	\$287,841
Wyandotte	0	0	\$0

Source: USDA

4.7.3 – Hazard Probability Analysis

The following table summarizes flash flood probability data for **Johnson County**.

Table 4.9: Johnson County Flash Flood Probability Summary

Data	Recorded Impact
Number of Days with NCEI Reported Event (2009-2018)	20
Average Events per Year	2
Number of Days with Event and Death or Injury (2009-2018)	0
Average Number of Days with Event and Injury or Death	0
Total Reported NCEI Property Damage (2009-2018)	\$0
Average Property Damage per Year	\$0

Source: NCEI

Data from the NCEI indicates that Johnson County can expect on a yearly basis, relevant to flash flood events:

- Two events
- No deaths or injuries
- \$0 in property damages

The following table summarizes flash flood probability data for **Leavenworth County**.

Table 4.10: Leavenworth County Flash Flood Probability Summary

Data	Recorded Impact
Number of Days with NCEI Reported Event (2009-2018)	18
Average Events per Year	2
Number of Days with Event and Death or Injury (2009-2018)	0
Average Number of Days with Event and Injury or Death	0
Total Reported NCEI Property Damage (2009-2018)	\$500
Average Property Damage per Year	\$50

Source: NCEI

Data from the NCEI indicates that Leavenworth County can expect on a yearly basis, relevant to flash flood events:

- Two events



- No deaths or injuries
- \$50 in property damages

The following table summarizes flash flood probability data for **Wyandotte County**.

Table 4.11: Wyandotte County Flash Flood Probability Summary

Data	Recorded Impact
Number of Days with NCEI Reported Event (2009-2018)	6
Average Events per Year	1
Number of Days with Event and Death or Injury (2009-2018)	0
Average Number of Days with Event and Injury or Death	0
Total Reported NCEI Property Damage (2009-2018)	\$5,000
Average Property Damage per Year	\$500

Source: NCEI

Data from the NCEI indicates that Wyandotte County can expect on a yearly basis, relevant to flash flood events:

- One event
- No deaths or injuries
- \$500 in property damages

The following table summarizes riverine flood probability data for **Johnson County**.

Table 4.12: Johnson County Riverine Flood Probability Summary

Data	Recorded Impact
Number of Days with NCEI Reported Event (2009-2018)	5
Average Events per Year	1
Number of Days with Event and Death or Injury (2009-2018)	0
Average Number of Days with Event and Injury or Death	0
Total Reported NCEI Property Damage (2009-2018)	\$0
Average Property Damage per Year	\$0
USDA Farm Service Agency Number of Crop Damage Claims (2014-2018)	2
Average Number of Claims per Year	<1
USDA Farm Service Agency Number of Acres Damaged (2014-2018)	73
Average Number of Acres Damaged per Year	15
USDA Farm Service Agency Crop Damage Claims Amount (2014-2018)	\$5,490
Average Crop Damage per Year	\$1,098

Source: NCEI and USDA

Data from the NCEI indicates that Johnson County can expect on a yearly basis, relevant to riverine flood events:

- One event
- No deaths or injuries
- \$0 in property damages



According to the United States Department of Agriculture (USDA) Risk Management Agency, Johnson County can expect on a yearly basis, relevant to riverine flood occurrences:

- Less than one insurance claims
- 15 acres impacted
- \$1,098 in insurance claims

The following table summarizes riverine flood probability data for **Leavenworth County**.

Table 4.13: Leavenworth County Riverine Flood Probability Summary

Data	Recorded Impact
Number of Days with NCEI Reported Event (2009-2018)	3
Average Events per Year	<1
Number of Days with Event and Death or Injury (2009-2018)	0
Average Number of Days with Event and Injury or Death	0
Total Reported NCEI Property Damage (2009-2018)	\$0
Average Property Damage per Year	\$0
USDA Farm Service Agency Number of Crop Damage Claims (2014-2018)	28
Average Number of Claims per Year	6
USDA Farm Service Agency Number of Acres Damaged (2014-2018)	2,801
Average Number of Acres Damaged per Year	670
USDA Farm Service Agency Crop Damage Claims Amount (2014-2018)	\$287,841
Average Crop Damage per Year	\$68,169

Source: NCEI and USDA

Data from the NCEI indicates that Leavenworth County can expect on a yearly basis, relevant to riverine flood events:

- <1 event
- No deaths or injuries
- \$0 in property damages

According to the USDA Risk Management Agency, Leavenworth County can expect on a yearly basis, relevant to riverine flood occurrences:

- Six insurance claims
- 560 acres impacted
- \$57,568 in insurance claims

The following table summarizes riverine flood probability data for **Wyandotte County**.

Table 4.14: Wyandotte County Riverine Flood Probability Summary

Data	Recorded Impact
Number of Days with NCEI Reported Event (2009-2018)	1
Average Events per Year	<1
Number of Days with Event and Death or Injury (2009-2018)	0
Average Number of Days with Event and Injury or Death	0



Table 4.14: Wyandotte County Riverine Flood Probability Summary

Data	Recorded Impact
Total Reported NCEI Property Damage (2009-2018)	\$0
Average Property Damage per Year	\$0
USDA Farm Service Agency Number of Crop Damage Claims (2014-2018)	0
Average Number of Claims per Year	0
USDA Farm Service Agency Number of Acres Damaged (2014-2018)	0
Average Number of Acres Damaged per Year	0
USDA Farm Service Agency Crop Damage Claims Amount (2014-2018)	\$0
Average Crop Damage per Year	\$0

Source: NCEI and USDA

Data from the NCEI indicates that Wyandotte County can expect on a yearly basis, relevant to riverine flood events:

- <1 event
- No deaths or injuries
- \$0 in property damages

According to the USDA Risk Management Agency, Wyandotte County can expect on a yearly basis, relevant to riverine flood occurrences:

- No insurance claims
- No acres impacted
- \$0 in insurance claims

In addition, Kansas Region L has had eight Presidentially Declared Disasters relating to flooding (and other causes) in the last 20 years. This represents an average of less than one declared flood disaster every year.

4.7.4 – Vulnerability Analysis

The results of the HAZUS analysis were utilized to estimate potential losses for riverine flooding. The intent of this analysis was to enable Kansas Region L to estimate where flood losses could occur and the degree of severity using a consistent methodology. The HAZUS model helps quantify risk along known flood-hazard corridors as well as lesser streams and rivers that have a drainage area of 10 square miles or more.

HAZUS determines the displaced population based on the inundation area, not necessarily impacted buildings. As a result, there may be population vulnerable to displacement even if the structure is not vulnerable to damage. Individuals and households will be displaced from their homes even when the home has suffered little or no damage either because they were evacuated or there was no physical access to the property because of flooded roadways.

Flood sheltering needs are based on the displaced population, not the damage level of the structure. HAZUS determines the number of individuals likely to use government-provided short-term shelters



through determining the number of displaced households as a result of the flooding. To determine how many of those households and the corresponding number of individuals will seek shelter in government-provided shelters, the number is modified by factors accounting for income and age. Displaced people using shelters will most likely be individuals with lower incomes and those who do not have family or friends within the immediate area. Since the income and age factors are taken into account, the proportion of displaced population and those seeking shelter will vary from county to county.

Additionally, HAZUS considers flood depth when modeling damage (based on FEMA’s depth-damage functions). Generated reports capture damage by occupancy class (in terms of square footage impacted) by damage percent classes. Occupancy classes include agriculture, commercial, education, government, industrial, religion, and residential. Damage percent classes are grouped by 10 percent increments up to 50%. Buildings that sustain more than 50% damage are considered to be substantially damaged.

The following table provides the HAZUS results for vulnerable populations and the population estimated to seek short term shelter as well as the numbers of damaged and substantially damaged buildings for each Kansas Region L county.

Table 4.15: Kansas Region L HAZUS Flood Scenario Displaced Population Building Damages

County	Population Vulnerable to Displacement	Population with Short Term Shelter Needs	Vulnerable Buildings	Damaged Buildings	Substantially Damaged Buildings
Johnson	9,223	8,089	2,311	1,491	340
Leavenworth	1,140	411	544	81	0
Wyandotte	9,002	8,106	2,104	144	1,981

Source: FEMA and HAZUS

The HAZUS analysis also provides an estimate the repair costs for impacted buildings as well as the associated loss of building contents and business inventory. Building damage can also cause additional losses to a community by restricting a building’s ability to function properly. Income loss data accounts for losses such as business interruption and rental income losses as well as the resources associated with damage repair and job and housing losses. These losses are calculated by HAZUS using a methodology based on the building damage estimates.

The damaged building counts generated by HAZUS are susceptible to rounding errors and are likely the weakest output of the model due to the use of census blocks for analysis. Generated reports include this disclaimer: “Unlike the earthquake and hurricane models, the flood model performs its analysis at the census block level. This means that the analysis starts with a small number of buildings within each census block and applies a series of distributions necessary for analyzing the potential damage. The application of these distributions and the small number of buildings make the flood model more sensitive to rounding errors that introduces uncertainty into the building count results.” Additionally, losses are not calculated for individual buildings, but instead are based on the performances of entire classes of buildings obtained from the general building stock data. In the flood model, the number of grid cells (pixels) at each flood depth value is divided by the total number of grid cells in the census block. The result is used to weight the flood depths applied to each specific occupancy type in the general building stock. First floor heights are then applied to determine the damage depths to analyze damages and losses.



The following table provides the HAZUS results for building damages and lost income due to these damages.

Table 4.16: Kansas Region L HAZUS Flood Scenario Structural Damage and Income Loss

County	Structural Damage	Contents Damage	Inventory Loss	Total Direct Loss	Total Income Loss	Total Direct and Income Loss
Johnson	\$479,561,000	\$491,564,000	\$15,143,000	\$986,268,000	\$3,876,000	\$990,144,000
Leavenworth	\$24,120,000	\$16,964,000	\$280,000	\$41,364,000	\$248,000	\$41,612,000
Wyandotte	\$739,524,000	\$699,333,000	\$39,946,000	\$1,478,803,000	\$3,988,000	\$1,482,791,000

Source: FEMA and HAZUS

The USDA 2012 Census of Agriculture (the latest available data) provides data on the crop exposure value, the total dollar value of all crops, for each Kansas Region L County. USDA Risk Management Agency crop loss data, from 2014-2018, allows us to quantify the monetary impact of flood conditions on the agricultural sector. The higher the percentage loss, the higher potential future vulnerability the county may have to flood events.

Table 4.17: Kansas Region L USDA Annual Flood Percentage Impact Data, 2014-2018

Jurisdiction	Farm Acreage	Annualized Acres Impacted	Annual Percentage of Total Acres Impacted	Market Value of Products Sold	Annualized Crop Insurance Paid	Annual Percentage of Market Value Impacted
Johnson	99,354	15	0.02%	\$24,370,000	\$1,098	0.005%
Leavenworth	184,471	670	0.36%	\$36,367,000	\$68,169	0.19%
Wyandotte	12,009	0	0.00%	\$3,291,000	\$0	0.00%

Source: USDA

Flood risk can also change over time because of new building and development, weather patterns and other factors. Although the frequency or severity of impacts cannot be changed, FEMA is working with federal, state, tribal and local partners across the nation to identify flood risk and promote informed planning and development practices to help reduce that risk through the Risk Mapping, Assessment and Planning (Risk MAP) program. Risk MAP uses the watershed boundaries to conduct studies. This watershed approach allows communities to come together to develop partnerships, combine resources, share flood risk information with FEMA, and identify broader opportunities for mitigation action.

The Flood Risk Products and datasets present information that can enhance hazard mitigation planning activities, especially the risk and vulnerability assessment portion of a hazard mitigation plan, and the development of risk-based mitigation strategies. Risk MAP can also help guide land use and development decisions and help you take mitigation action by highlighting areas of highest risk, areas in need of mitigation, and areas of floodplain change. Currently Kansas Region L has no current or scheduled Risk Map projects.

Mold

Mold is plant-like organism that obtains nourishment it directly from surrounding organic materials. Mold can grow on a variety of materials and thrives in damp environments. As such, a recently flooded home



or business provides an ideal environment for mold growth, especially on materials such as drywall and carpeting. The young, old and ill may be specifically susceptible to the effects of mold, with symptoms including:

- congestion
- cough
- breathing difficulties
- sore throat
- membrane irritation
- upper respiratory infections

As such, any instance of flood related mold should be remediated as soon as possible.

4.7.5 – National Flood Insurance Program Communities

The National Flood Insurance Program (NFIP) is a federal program, managed by FEMA, that exists to provide flood insurance for property owners in participating communities, to improve floodplain management practices, and to develop maps of flood hazard areas. The following table presents the number of NFIP participating communities in each county.

Table 4.18: Summary of Kansas Region L NFIP Communities

County	Total Number of NFIP Communities	NFIP Communities
Johnson	20	Johnson County, DeSoto, Edgerton, Fairway, Gardner, Lake Quivira, Leawood, Lenexa, Merriam, Mission, Mission Hills, Mission Woods, Olathe, Overland Park, Prairie Village, Roeland Park, Shawnee, Spring Hill, Westwood, and Westwood Hills
Leavenworth	7	Leavenworth County, Basehor, Easton, Lansing, Leavenworth, Linwood, and Tonganoxie
Wyandotte	4	Wyandotte County, Bonner Springs, Edwardsville, and Kansas City

Source: FEMA and KDEM

Additionally, the NFIP’s Community Rating System (CRS) incentive rewards communities for the work they do managing their floodplains. Eligible communities that qualify for this voluntary program go above the minimum NFIP requirements and can offer their citizens discounted flood insurance in both Special Flood Hazard Areas (SFHAs) areas or non-SFHA areas. Additionally, work already being done by the state of Kansas (e.g., dam safety program and state freeboard requirements) gives communities additional discounts. The following Region L communities are currently CRS participants:



Table 4.19: Kansas Region L CRS Participating Jurisdictions

Jurisdiction	County	CRS Entry Date	CRS Class	% Discount for SFHA	% Discount for Non-SFHA	Status
Lenexa	Johnson	10/1/2011	8	10%	5%	Current
Olathe	Johnson	10/1/1993	8	10%	5%	Current
Overland Park	Johnson	10/1/2009	7	15%	5%	Current
Shawnee	Johnson	10/1/1991	8	10%	5%	Current
Lansing	Leavenworth	5/1/2011	7	15%	5%	Current
Linwood	Leavenworth	10/01/2013	9	5%	5%	Current
Bonner Springs	Wyandotte	10/01/2014	7	15%	5%	Current
Kansas City	Wyandotte	5/1/2013	6	20%	10%	Current

Source: FEMA and KDEM

4.7.6 – FEMA Flood Policy and Loss Data

Kansas Region L flood-loss information was pulled from FEMA’s “Policy and Loss Data by Community with County and State Data.” There are several limitations to this data, including:

- Only losses to participating NFIP communities are represented
- Communities joined the NFIP at various times since 1978
- The number of flood insurance policies in effect may not include all structures at risk to flooding
- Some of the historical loss areas have been mitigated with property buyouts

Some properties are under-insured. The flood insurance purchase requirement is for flood insurance in the amount of federally-backed mortgages, not the entire value of the structure. Additionally, contents coverage is not required.

The following table shows the details of NFIP policy and loss statistics for each county in Kansas Region L. Loss statistics include losses through December 31, 2018.

Table 4.20: Kansas Region L NFIP Policy and Loss Statistics, As of December 31, 2018

Jurisdiction	Number of Policies in Force	Insurance in Force	Number of Closed Losses	Total Payments
Johnson County				
Desoto	36	\$10,059,100	1	\$0
Edgerton	3	\$414,900	4	\$40,544.34
Fairway	28	\$8,883,200	107	1,472,045.29
Gardner	7	\$1,318,000	0	\$85,051.04
Leawood	99	\$29,803,000	100	\$1,659,684.87
Lenexa	35	\$8,984,100	18	\$54,055.91
Merriam	29	\$8,183,300	96	\$1,675,284.70
Mission	13	\$4,775,000	69	\$332,542.10
Mission Hills	17	\$4,982,400	62	\$1,691,642.11
Olathe	112	\$27,931,900	47	\$609,620.27
Overland Park	391	\$104,072,700	347	\$2,730,657.51
Prairie Village	34	\$12,067,200	123	\$717,777.76



Table 4.20: Kansas Region L NFIP Policy and Loss Statistics, As of December 31, 2018

Jurisdiction	Number of Policies in Force	Insurance in Force	Number of Closed Losses	Total Payments
Roeland Park	7	\$1,547,000	41	\$145,364.37
Shawnee -	52	\$15,767,700	63	\$442,161.16
Spring Hill	5	\$832,000	1	\$0
Westwood	3	\$690,000	7	\$34,384.93
Westwood Hills	-	-	2	\$5,973.27
Unincorporated Johnson County	41	\$9,811,100	43	\$425,874.85
Leavenworth County				
Basehor	11	\$3,008,000	2	\$17,928.91
Easton	22	\$3,716,100	112	\$1,511,179.21
Lansing	41	\$10,037,700	7	\$53,764.38
Leavenworth (city)	77	\$19,548,600	68	\$775,644.76
Unincorporated Leavenworth County	37	\$9,531,600	33	\$350,511.41
Wyandotte County				
Bonner Springs	34	\$4,916,300	62	-
Edwardsville	21	\$8,786,400	12	\$32,653.94
Kansas City	167	\$63,128,600	331	\$9,336,506.84
Unincorporated Wyandotte County	-	-	6	\$32,268.64

Source: FEMA, "Policy and Loss Data by Community with County and State Data"

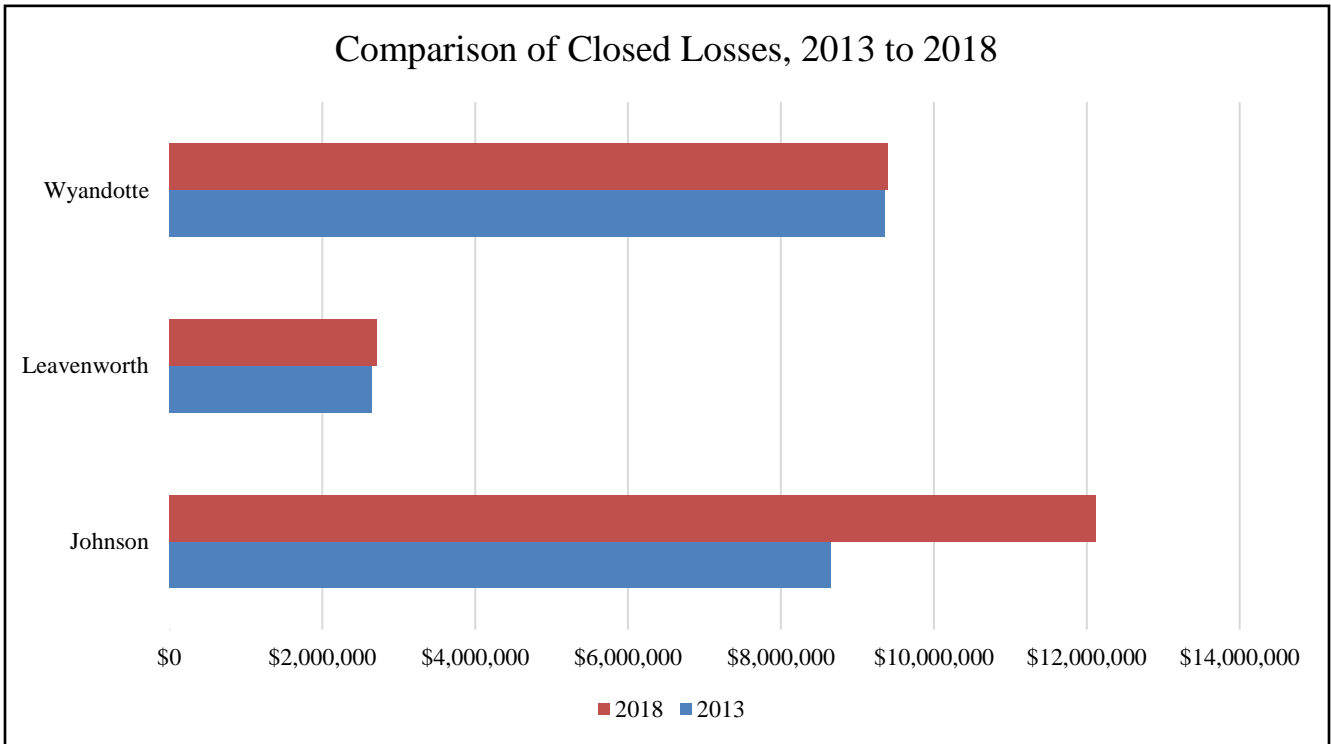
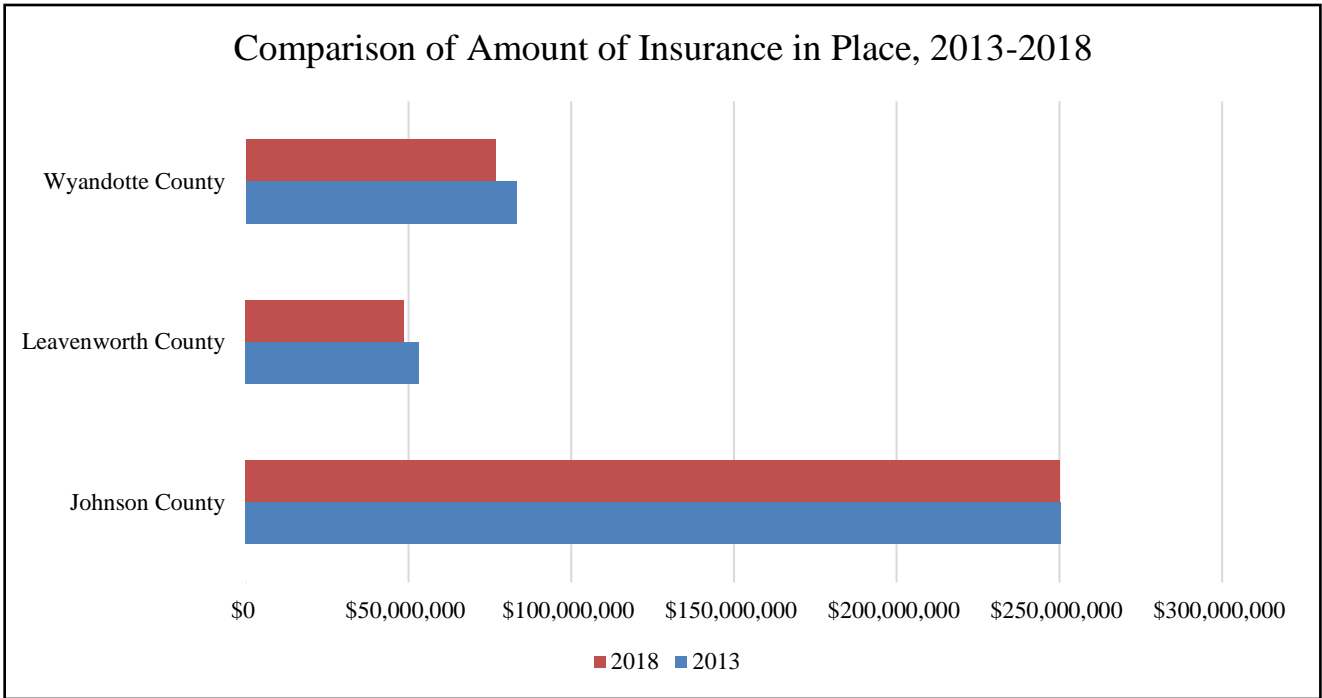
The following table and graphs summarize data from the above table for Kansas Region L in comparison to 2013 data.

Table 4.21: Kansas Region L NFIP Policy and Loss Statistics, As of December 31, 2018

County	Number of Policies in Force 2013	Number of Policies in Force 2018	Insurance in Force 2013	Insurance in Force 2018	Closed Loss Payments 2013	Closed Loss Payments 2018
Johnson	1,005	912	\$250,485,700	\$250,122,600	\$8,651,619	\$12,122,664
Leavenworth	264	205	\$53,334,200	\$48,715,400	\$2,647,895	\$2,709,029
Wyandotte	302	222	\$83,151,500	\$76,831,300	\$9,355,138	\$9,401,429

Source: FEMA, "Policy and Loss Data by Community with County and State Data"





4.7.7 – Repetitive Loss Properties

A high priority to Kansas Region L is the reduction of losses to Repetitive Loss (RL) and Severe Repetitive Loss (SRL) structures. The NFIP defines a RL property as:



- Any insurable building for which two or more claims of more than \$1,000 were paid by the NFIP within any rolling 10-year period, since 1978

At least two of the claims must be more than 10 days apart.

The definition of severe repetitive loss as applied to this program was established in section 1361A of the National Flood Insurance Act, as amended, 42 U.S.C. 4102a. An SRL property is defined as a residential property that is covered under an NFIP flood insurance policy and:

- That has at least four NFIP claim payments (including building and contents) over \$5,000 each, and the cumulative amount of such claims payments exceeds \$20,000; or
- For which at least two separate claims payments (building payments only) have been made with the cumulative amount of the building portion of such claims exceeding the market value of the building.

For both of the above, at least two of the referenced claims must have occurred within any ten-year period and must be greater than ten days apart.

The following table details RL and SRL properties in Kansas Region L

Table 4.22: Kansas Region L Repetitive Loss Properties, As of December 2018

Jurisdiction	Number of Repetitive Loss Properties	Number of Repetitive Loss Properties Mitigated	Severe Repetitive Loss Properties
Johnson County			
Fairway	15	7	2
Johnson County	3	1	0
Leawood	10	1	0
Lenexa	3	2	0
Merriam	16	9	1
Mission	6	3	0
Mission Hills	8	0	2
Olathe	2	0	0
Overland Park	37	7	0
Prairie Village	15	0	1
Roeland Park	1	0	1
Shawnee	1	3	1
Westwood	1	0	0
Leavenworth County			
Easton	16	12	0
Leavenworth County	3	2	0
Leavenworth	7	0	0
Tonganoxie	1	1	0
Wyandotte County			
Edwardsville	2	0	0
Kansas City	36	6	8
Bonner Springs	8	1	0

Source: FEMA and KDEM



The following table details jurisdiction specific information concerning repetitive loss property type.

Table 4.23: Kansas Region L Repetitive Loss Properties Type, by Jurisdiction

Jurisdiction	Number of Non-Mitigated Properties	ASSMD Condo	Business, Non-Residential	Other, Non-Residential	Single Family	2-4 Family
Johnson County						
Johnson County	2	0	0	0	3	0
Fairway	8	0	0	0	15	0
Leawood	9	1	1	3	5	
Lenexa	1	0	0	0	3	0
Merriam	7	0	0	7	9	0
Mission	3	1	0	4	1	0
Mission Hills	0	0	0	0	8	0
Olathe	2	0	0	1	0	1
Overland Park	30	0	1	4	30	2
Prairie Village	15	0	1		14	0
Roeland Park	1	0	0	0	1	0
Westwood	1	0	0	0	1	0
Leavenworth County						
Leavenworth County	2	0	0	0	3	0
Easton	4	0	0	3	12	1
City of Leavenworth	7	0	0	4	1	2
Tonganoxie	0	0	0	0	1	0
Wyandotte County						
Bonner Springs	7	0	0	0	8	0
Kansas City	30	0	0	19	16	1

Source: KDEM

Of the 191 identified RL properties, 52 have been mitigated. The majority of the RL properties were mitigated through acquisition and demolition.

Since the last plan update no SRL properties have been mitigated, although this remains a high priority in the State of Kansas. Kansas continues to reach out to the affected communities to help facilitate the mitigation of all SRL properties. The following table details SRL claims.

Table 4.24: Kansas Region L Severe Repetitive Loss Property Claims

Jurisdiction	Total Paid	Losses	SRL Status
Johnson County			
Fairway	\$74,824	5	Validated
Johnson County	\$125,677	5	Validated Uninsured
Merriam	\$171,306	8	Validated Uninsured
Mission	\$307,482	4	Validated
Mission Hills	\$343,821	4	Validated
Roeland Park	\$97,503	15	Validated Uninsured
Shawnee	\$177,471	5	Pending Non-Residential
Wyandotte County			



Table 4.24: Kansas Region L Severe Repetitive Loss Property Claims

Jurisdiction	Total Paid	Losses	SRL Status
Kansas City	\$121,269	4	Validated Non-Residential Uninsured
Kansas City	\$98,585	4	Pending Non-Residential Uninsured
Kansas City	\$514,926	8	Validated Non-Residential Uninsured
Kansas City	\$147,317	4	Validated Non-Residential Uninsured
Kansas City	\$599,430	10	Pending Non-Residential Uninsured
Kansas City	\$1,288,116	8	Pending Non-Residential
Kansas City	\$324,730	16	Pending Non-Residential Uninsured
Kansas City	\$829,891	7	Pending Non-Residential
Kansas City	\$213,479	5	Validated Non-Residential Uninsured
Kansas City	\$44,288	7	Validated Uninsured

4.7.8 – Consequence Analysis

As per EMAP requirements, the following table provides the Consequence Analysis.

Table 4.25: Flood Consequence Analysis

Subject	Impacts of Flood
Health and Safety of the Public	Impact dependent on the level of flood waters. Individuals further away from the incident area are at a lower risk. Casualties are dependent on warning time.
Health and Safety of Responders	Impact to responders is expected to be minimal unless responders live within the affected area.
Continuity of Operations	Temporary relocation may be necessary if inundation affects government facilities.
Property, Facilities, and Infrastructure	Localized impact could be severe in the inundation area of the incident to facilities and infrastructure. The further away from the incident area the damage lessens.
Environment	Impact will be severe for impacted area. Impact will lessen with distance.
Economic Conditions	Impacts to the economy depend on the area flooded, depth of water, and the amount of time it takes for the water to recede.
Public Confidence in the Jurisdiction’s Governance	Perception of whether the flood could have been prevented, warning time, and response and recovery time will greatly impact the public’s confidence.



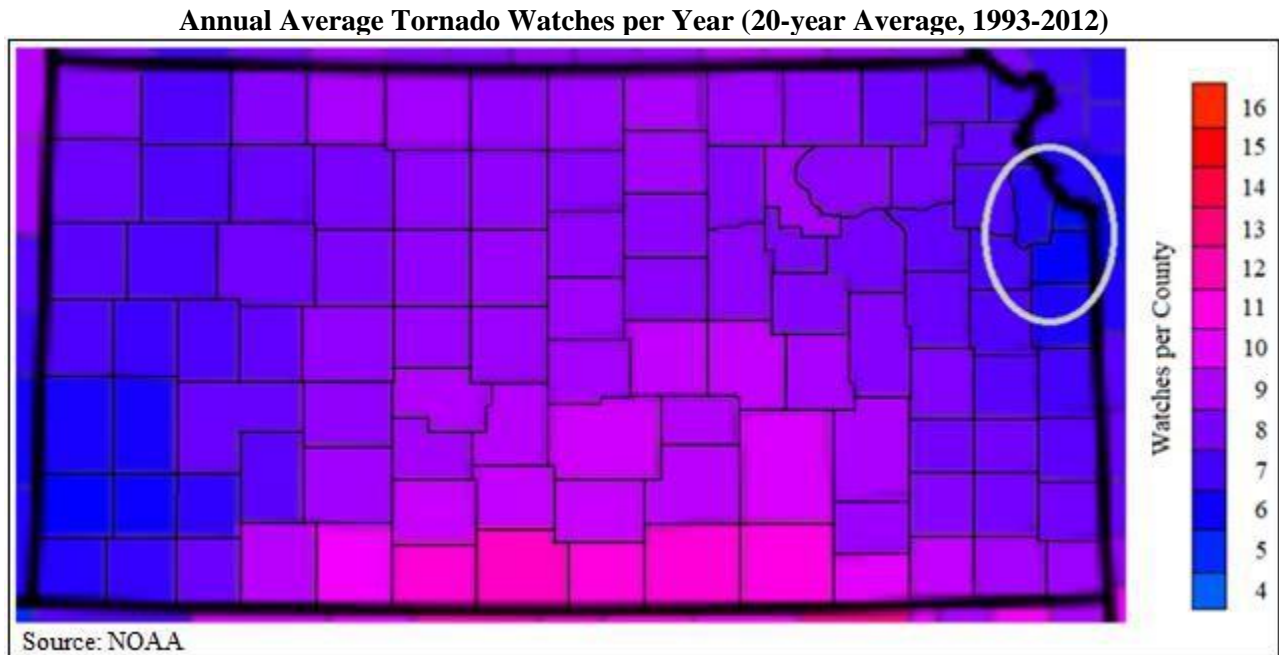
4.8 – Tornado

A tornado is a violently rotating column of air in contact with the ground. Often referred to as a twister or a cyclone, they can strike anywhere and with little warning. Tornadoes come in many shapes and sizes but are typically in the form of a visible condensation funnel, whose narrow end touches the earth and is often encircled by a cloud of debris and dust.



4.8.1 – Location and Extent

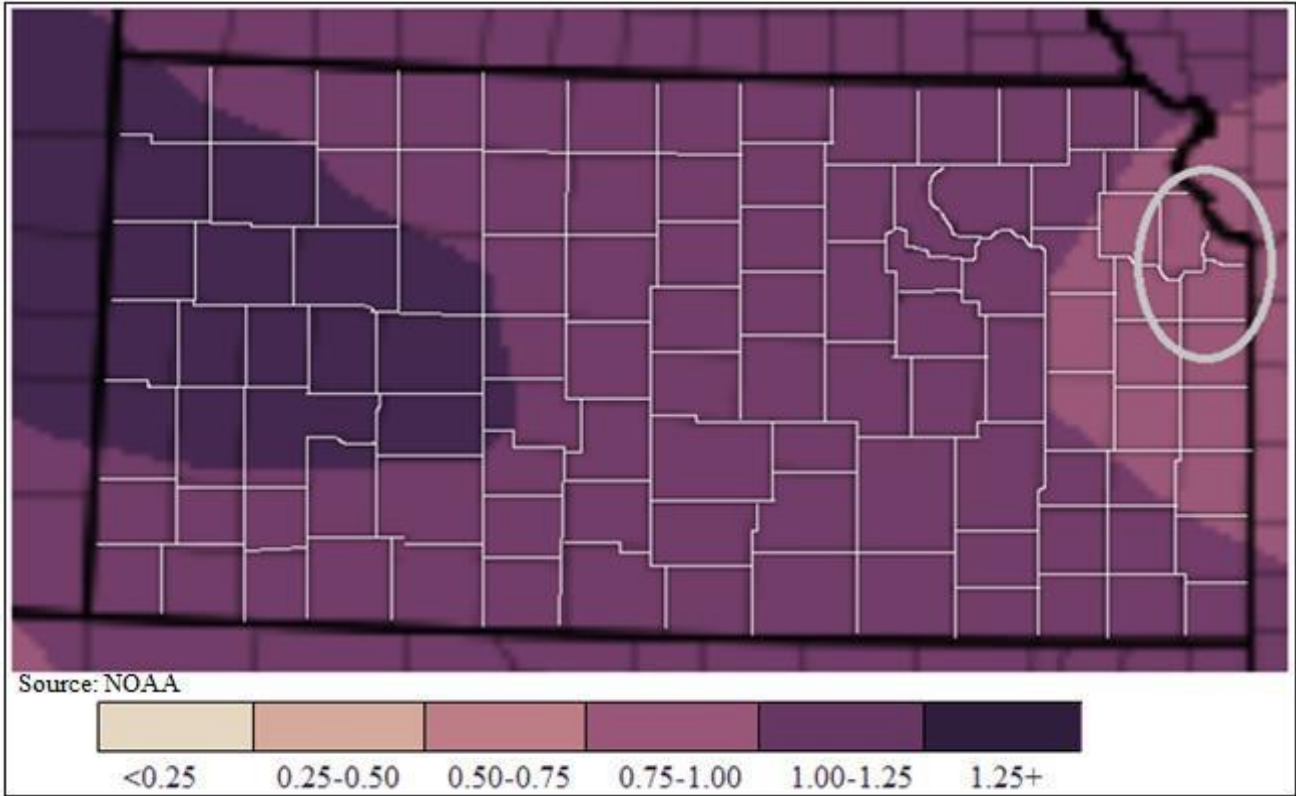
Tornadoes can strike anywhere in Kansas Region L, placing the entire planning area at risk. The following map, generated by NOAA, shows the average annual tornado watches per year for Kansas Region L.



Additionally, NOAA generated the following map indicating the mean number of tornado days per year, using data compiled from the years 1986 to 2015.



Mean Number of Tornado Days per Year Within 25 Miles of a Point, 1986-2015



Many tornados only exist for a few seconds in the form of a touchdown. The most extreme tornados can attain wind speeds of more than 200 miles per hour, stretch more than two miles across, and travel dozens of miles.

A tornado may arrive with a squall line or cold front and touch down quickly. Smaller tornados can strike without warning. Other times tornado watches and sirens will alert communities of high potential tornado producing weather or an already formed tornado and its likely path.

Since 2007, the United States uses the Enhanced Fujita Scale to categorize tornados. The scale correlates wind speed values per F level and provides a rubric for estimating damage.

Table 4.26: Enhanced Fujita Scale

Scale	Wind Speed (miles per hour)	Relative Frequency	Potential Damage
EF0	65-85	53.5%	Light. Peels surface off some roofs; some damage to gutters or siding; branches broken off trees; shallow-rooted trees pushed over. Confirmed tornados with no reported damage (i.e. those that remain in open fields) are always rated EF0.
EF1	86-110	31.6%	Moderate. Roofs severely stripped; mobile homes overturned or badly damaged; loss of exterior doors; windows and other glass broken.
EF2	111-135	10.7%	Considerable. Roofs torn off well-constructed houses; foundations of frame homes shifted; mobile homes complete destroyed; large trees



Table 4.26: Enhanced Fujita Scale

Scale	Wind Speed (miles per hour)	Relative Frequency	Potential Damage
			snapped or uprooted; light object missiles generated; cars lifted off ground.
EF3	136-165	3.4%	Severe. Entire stores of well-constructed houses destroyed; severe damage to large buildings such as shopping malls; trains overturned; trees debarked; heavy cars lifted off the ground and thrown; structures with weak foundations blown away some distance.
EF4	166-200	0.7%	Devastating. Well-constructed houses and whole frame houses completely leveled; cars thrown, and small missiles generated.
EF5	>200	<0.1%	Explosive. Strong frame houses leveled off foundations and swept away; automobile-sized missiles fly through the air in excess of 300 ft.; steel reinforced concrete structure badly damaged; high rise buildings have significant structural deformation; incredible phenomena will occur.

Source: NOAA Storm Prediction Center

4.8.2 – Previous Occurrences

For the 20-year period from 1999 to 2018 (with 1999 and 2018 being full data set years), there have been five Presidential Disaster Declarations for the Kansas Region L for tornados (along with other components). The following 20-year information on past declared disasters is presented to provide a historical perspective on tornado events that have impacted the Kansas Region L. No declarations have been issued since the previous mitigation plan update in 2013.

Table 4.27: Kansas Region L FEMA Tornado Disaster and Emergency Declarations, 1999 -2018

Declaration Number	Incident Period	Disaster Description	Regional Counties Involved	Dollars Obligated
1699	5/6/2007 (5/4/2007)	Severe Storms, Tornados , and Flooding	Leavenworth	\$117,565,269
1638	4/14/2006 (3/12-13/2006)	Severe Storms, Tornados, and Straight-Line Winds	Wyandotte	\$6,233,044
1562	09/30/2004 (8/27-30/2004)	Severe Storms, Flooding, and Tornados	Wyandotte	\$2,103,376
1535	8/3/2004 (6/12-7/25/2004)	Severe Storms, Flooding, and Tornados	Wyandotte	\$12,845,892
1462	5/6/2003 (5/4-30/2003)	Severe Storms, Tornados , and Flooding	Leavenworth and Wyandotte	\$988,056

Source: FEMA

-: Data unavailable



The following table shows NOAA NCEI information for the six years from 2009 to 2018 (with 2009 and 2018 being full data set years). Additionally, the strongest rated tornado event is indicated.

Table 4.28: Kansas Region L NCEI Tornado Events, 2009-2018

County	Number of Days with TORNADOS	Strongest Tornado Event	Deaths	Injuries	Total Property Damage
Johnson	5	EF1	0	0	\$10,000
Leavenworth	1	EF1	0	0	\$400,000
Wyandotte	0	0	0	0	\$0

Source: NOAA NCEI

The following are descriptions of both NCEI and locally reported events.

- **May 25, 2011: Johnson County**

At 1010CST an EF0 tornado touched 1.2 miles south southeast of Stanley. The tornado moved north northeast and lifted at 1012CST, around 0.9 miles southeast of Stanley. Roof damage was observed at the Blue Valley Middle School, and several trees were damaged, north of 159th Street, between Roe and Nall. No deaths or injuries were reported, and property damage was recorded at \$10,000.

- **April 25, 2009: Leavenworth County**

An EF1 tornado touched down at 1735 CST near the intersection of 238th Street and Loring Street. The tornado crossed Interstate 70, and then remained nearly parallel to the Interstate, before lifting at 1750 CST, near the intersection of Metro Avenue and 190th Street. Two homes sustained major damage and several barns were destroyed. Numerous trees were uprooted, and several outbuildings were damaged. No deaths or injuries were reported, and property damage was recorded at \$400,000.

Available crop loss data from the USDA Risk Management Agency detailing cause of loss was researched to determine the financial impacts of tornados on the region’s agricultural base. Crop loss data for the years 2014- 2018 (with 2014 and 2018 being full data years), for the region, indicates no tornado related claims.

Table 4.29: USDA Risk Management Agency Cause of Loss Indemnities 2014-2018, Tornados

County	Number of Reported Claims	Acres Lost	Total Amount of Loss
Johnson	0	0	\$0
Leavenworth	0	0	\$0
Wyandotte	0	0	\$0

Source: USDA

4.8.3 – Hazard Probability Analysis

The following table summarizes tornado probability data for **Johnson County**.



Table 4.30: Johnson County Tornado Probability Summary

Data	Recorded Impact
Number of Days with NCEI Reported Event (2009-2018)	5
Average Event Days per Year	<1
Number of Days with Event and Death or Injury (2009-2018)	0
Average Number of Deaths and Injuries (2009-2018)	0
Total Reported NCEI Property Damage (2009-2018)	\$10,000
Average Property Damage per Year	\$1,000
USDA Farm Service Agency Number of Crop Damage Claims (2014-2018)	0
Average Number of Claims per Year	0
USDA Farm Service Agency Number of Acres Damaged (2014-2018)	0
Average Number of Acres Damaged per Year	0
USDA Farm Service Agency Crop Damage Claims Amount (2014-2018)	\$0
Average Crop Damage per Year	\$0

Source: NCEI

Data from the NCEI indicates that Johnson County can expect on a yearly basis, relevant to tornado events:

- <1 event
- No deaths or injuries
- \$1,000 in property damages

According to the USDA Risk Management Agency, Johnson County can expect on a yearly basis, relevant to tornado occurrences:

- No insurance claims
- No acres impacted
- \$0 in insurance claims

The following table summarizes tornado probability data for **Leavenworth County**.

Table 4.31: Leavenworth County Tornado Probability Summary

Data	Recorded Impact
Number of Days with NCEI Reported Event (2009-2018)	10
Average Event Days per Year	<10
Number of Days with Event and Death or Injury (2009-2018)	0
Average Number of Deaths and Injuries (2009-2018)	0
Total Reported NCEI Property Damage (2009-2018)	\$400,000
Average Property Damage per Year	\$40,000
USDA Farm Service Agency Number of Crop Damage Claims (2014-2018)	0
Average Number of Claims per Year	0
USDA Farm Service Agency Number of Acres Damaged (2014-2018)	0
Average Number of Acres Damaged per Year	0
USDA Farm Service Agency Crop Damage Claims Amount (2014-2018)	\$0
Average Crop Damage per Year	\$0

Source: NCEI



Data from the NCEI indicates that Leavenworth County can expect on a yearly basis, relevant to tornado events:

- <1 event
- No deaths or injuries
- \$40,000 in property damages

According to the USDA Risk Management Agency, Leavenworth County can expect on a yearly basis, relevant to tornado occurrences:

- No insurance claims
- No acres impacted
- \$0 in insurance claims

The following table summarizes tornado probability data for **Wyandotte County**.

Table 4.32: Wyandotte County Tornado Probability Summary

Data	Recorded Impact
Number of Days with NCEI Reported Event (2009-2018)	0
Average Event Days per Year	0
Number of Days with Event and Death or Injury (2009-2018)	0
Average Number of Deaths and Injuries (2009-2018)	0
Total Reported NCEI Property Damage (2009-2018)	\$0
Average Property Damage per Year	\$0
USDA Farm Service Agency Number of Crop Damage Claims (2014-2018)	0
Average Number of Claims per Year	0
USDA Farm Service Agency Number of Acres Damaged (2014-2018)	0
Average Number of Acres Damaged per Year	0
USDA Farm Service Agency Crop Damage Claims Amount (2014-2018)	\$0
Average Crop Damage per Year	\$0

Source: NCEI

Data from the NCEI indicates that Wyandotte County can expect on a yearly basis, relevant to tornado events:

- No events
- No deaths or injuries
- \$0 in property damages

According to the USDA Risk Management Agency, Wyandotte County can expect on a yearly basis, relevant to tornado occurrences:

- No insurance claims
- No acres impacted
- \$0 in insurance claims



Based on the number of NCEI reported events we derive the following probability for event occurrence in Kanas Region L:

- **Tornado Probability:** Approximately one event per year

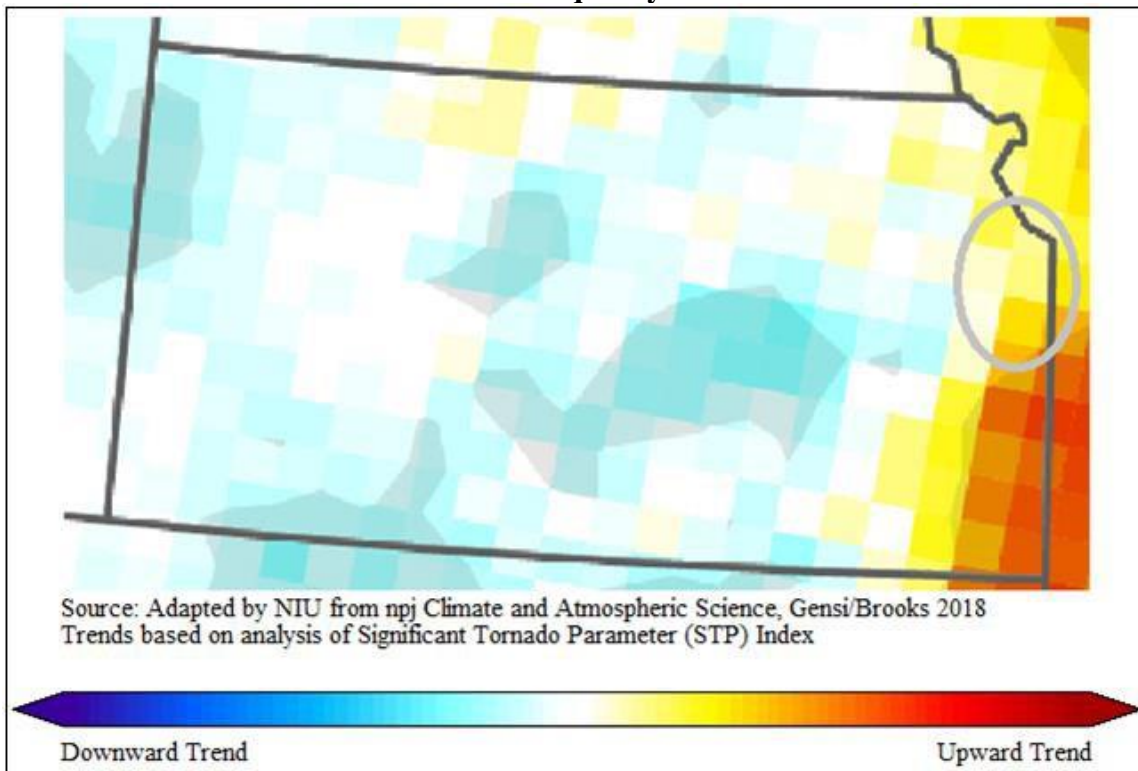
However, if events are normalized for tornados rated above an EF2, we derive the following probability for event occurrence:

- **Probability of an EF2 or greater tornado:** No events per year

In addition, Kansas Region L has had five Presidentially Declared Disasters relating to tornados (and other concurrent events such as flooding) in the last 20 years. This represents an average of less than one declared tornado related disaster per year.

Research conducted by the National Severe Storms Lab looked at Significant Tornado Parameter (STP) to help determine future tornado probability. STP is a measurement of the major parameters of tornado conditions, including wind speed and direction, wind at differing altitudes, unstable air patterns, and humidity. The following map, generated by Northern Illinois University and compiled from STP data, indicates that Kansas Region L may see an increasing future number of tornados.

Tornado Frequency Trends



4.8.4 – Vulnerability Analysis

For purposes of this assessment, all counties within the region were determined to be at equal risk to tornado events. Counties with a higher or increasing population, high, or increasing, or having a high structural valuation are to be considered to have a potentially greater vulnerability.

The following table presents data from the NOAA NCEI and HAZUS concerning the value of structures and the percentage of structures for each Kansas Region L county incurring damage over the period 2009 to 2018 from tornado events. A greater percentage of damaged structures damaged may indicate a greater potential future vulnerability.

Table 4.33: Kansas Region L for Tornado

County	HAZUS Building Valuation	NCEI Structure Damage, 2009-2018	Percentage of Building Valuation Damaged
Johnson	\$124,279,962,000	\$10,000	0.00001%
Leavenworth	\$13,050,342,000	\$400,000	0.003%
Wyandotte	\$29,708,946,000	\$0	0.0%

Source: NCEI and HAZUS

Counties with a high population and/or a growing population may be at increased risk.

Table 4.34: Kansas Region L Population Vulnerability Data for Tornado

County	2017 Population	Percent Population Change 2000 to 2017
Johnson	591,178	31.06%
Leavenworth	81,095	18.06%
Wyandotte	165,288	4.69%

Source: US Census Bureau

The USDA 2012 Census of Agriculture (the latest available data) provides data on the crop exposure value for each Kansas Region L County. USDA Risk Management Agency crop loss data allows us to quantify the monetary impact of tornados on the agricultural sector. The higher the percentage loss, the higher potential future vulnerability the county may have to tornado events.

Table 4.35: Kansas Region L USDA Annual Tornado Percentage Impact Data, 2014-2018

Jurisdiction	Farm Acreage	Annual Acres Impacted	Annual Percentage of Total Acres Impacted	Market Value of Products Sold	Annualized Crop Insurance Paid	Annual Percentage of Market Value Impacted
Johnson	99,354	0	0.0%	\$24,370,000	\$0	0.0%
Leavenworth	184,471	0	0.0%	\$36,367,000	\$0	0.0%
Wyandotte	12,009	0	0.0%	\$3,291,000	\$0	0.0%

Source: USDA

Between 2001 and 2010 51% of those killed by tornados were living in mobile homes, according to the NOAA. A 2012 “Kansas Severe Weather Awareness Week” report indicates that people living in mobile homes are killed by tornados at a rate 20 times higher than people living in permanent homes.



Additionally, a new study from Michigan State University reported that the two biggest factors related to tornado fatalities were housing quality (measured by mobile homes as a proportion of housing units) and income level. When a tornado strikes, a county with double the number of mobile homes as a proportion of all homes will experience 62% more fatalities than a county with fewer mobile homes, according to the study data.

The following participating jurisdictions may have increased vulnerability to tornado events due to the percentage of mobile homes:

- **Participating jurisdictions with 20%-25% of housing stock as mobile homes:** Easton, Leavenworth County and Edwardsville, Wyandotte County

4.8.5 – Impact and Consequence Analysis

As per EMAP requirements, the following table provides the Consequence Analysis.

Table 4.36: Tornado Consequence Analysis

Subject	Impacts of Tornadoes
Health and Safety of the Public	Impact of the immediate area could be severe depending on whether individuals were able to seek shelter and get out of the trajectory of the tornado. Casualties are dependent on warning systems and warning times.
Health and Safety of Responders	Impact to responders is expected to be minimal unless responders live within the affected area.
Continuity of Operations	Temporary to permanent relocation may be necessary if government facilities experience damage.
Property, Facilities, and Infrastructure	Localized impact could be severe in the trajectory path. Roads, buildings, and communications could be adversely affected. Damage could be severe.
Environment	Impact will be severe for the immediate impacted area. Impact will lessen as distance increases from the immediate incident area.
Economic Conditions	Impacts to the economy will greatly depend on the trajectory of the tornado. If a jurisdiction takes a direct hit then the economic conditions will be severe. With an indirect hit the impact could be low to severe.
Public Confidence in the Jurisdiction’s Governance	Response and recovery will be in question if not timely and effective. Warning systems and warning time will also be questioned.



4.9 – Windstorm

Straight-line winds are generally any thunderstorm wind that is not associated with rotation. It is these winds, which can exceed 100 mph that represent the most common type of severe weather and are responsible for most wind damage related to thunderstorms. Since thunderstorms do not have narrow tracks like tornados, the associated wind damage can be extensive and affect entire counties or regions. Objects like trees, barns, outbuildings, high-profile vehicles, and power lines/poles can be toppled or destroyed, and roofs, windows, and homes can be damaged as wind speeds increase.

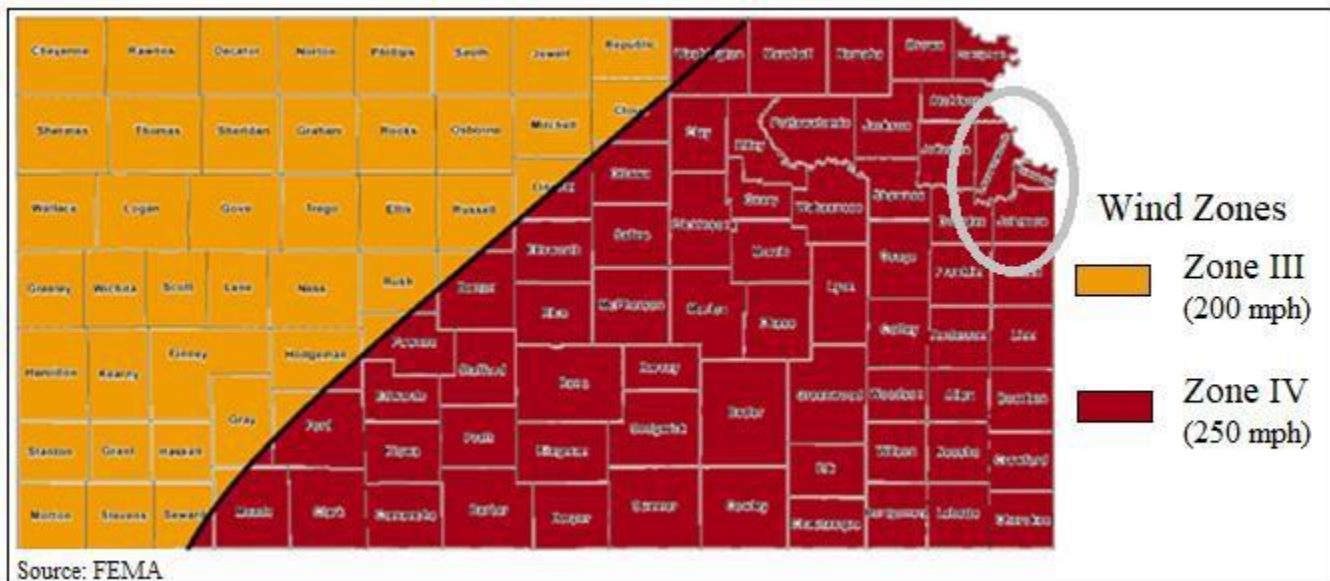


4.9.1 – Location and Extent

High winds occur over broad geographic regions. The entire Kansas Region L planning area, including all participating jurisdictions, is at risk to high wind events.

The following figure shows the wind zones of the United States based on maximum windspeeds. Kansas Region L is located within wind zone IV, the highest inland category.

Wind Zones in the United States



Severe thunderstorms strike Kansas Region L regularly, with accompanying high wind that can cause injury, death, and property damage. The widespread and frequent nature of thunderstorms makes high wind a relatively common occurrence. The NWS classifies thunderstorms, often the generator of high winds, using the following categories.

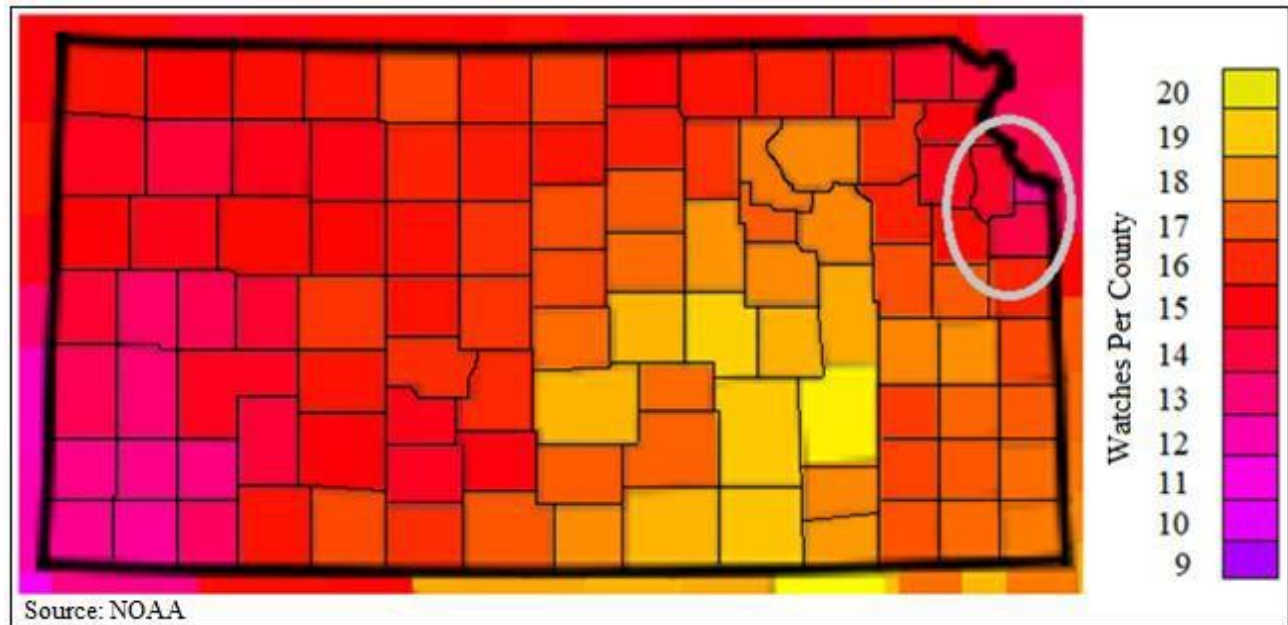
- **Marginal:** Isolated severe thunderstorms, limited in duration and/or coverage and/or intensity



- **Slight:** Scattered severe storms possible, Short-lived and/or not widespread, isolated intense storms possible
- **Enhanced:** Numerous severe storms possible, more persistent and/or widespread, a few intense
- **Moderate:** Widespread severe storms likely, long-lived, widespread and intense
- **High:** Widespread severe storms expected, long-lived, very widespread and particularly intense

The following map, generated by NOAA, indicates the average number severe thunderstorm watches per year for Kansas Region L.

Annual Average Thunderstorm Watches per Year (20-Year Average, 1993-2012)



To measure wind speed and its correlating potential for damage, experts use the Beaufort scale as shown below.

Table 4.37: Beaufort Scale

Beaufort Number	Wind Speed (mph)	Effects on Land
0	Under 1	Calm, smoke rises vertically
1	1-3	Smoke drift indicates wind direction, vanes do not move
2	4-7	Wind felt on face, leaves rustle, vanes begin to move
3	8-12	Leaves, small twigs in constant motion. Light flags extended.
4	13-18	Dust, leaves and loose paper raised up, small branches move
5	19-24	Small trees begin to sway
6	25-31	Large branches of trees in motion, whistling heard in wires
7	32-38	While trees in motion, resistance felt in walking against the wind
8	39-46	Twigs and small branches broken off trees
9	47-54	Slight structural damage occurs, slate blown from roofs
10	55-63	Seldom experienced on land, trees broken, structural damage occurs
11	64-72	Very rarely experienced on land, usually with widespread damage
12	73 or higher	Violence and destruction



4.9.2 – Previous Occurrences

In the 20-year period from 1999 to 2018 (with 1999 and 2018 being full data set years), there has been one Presidential Disaster Declaration for the Kansas Region L for straight-line winds. Additionally, there have been five Presidential Disaster Declarations for the Kansas Region L for severe storms (of which a high wind may be a component). The following 20-year information on past declared disasters is presented to provide a historical perspective on both straight-line wind and severe storm (potentially with a high wind component) events that have impacted the Kansas Region L. Declaration numbers in bold indication declared disaster that have occurred since the previous mitigation plan update in 2013.

Table 4.38: Kansas Region L FEMA Severe Storm Disaster and Emergency Declarations, 1999 -2018

Declaration Number	Incident Period	Disaster Description	Regional Counties Involved	Dollars Obligated
4347	11/7/2017 (7/22/2017 – 7/27/2017)	Severe Storms, Straight-Line Winds, Flooding	Johnson, Wyandotte	\$6,195,147.97
1699	5/6/2007 (5/4/2007)	Severe Storms, Tornadoes, and Flooding	Leavenworth	\$117,565,269
1615	11/21/2005 (10/1-2/2005)	Severe Storms and Flooding	Leavenworth	\$10,286,064
1562	09/30/2004 (8/27-30/2004)	Severe Storms, Flooding, and Tornadoes	Wyandotte	\$2,103,376
1535	8/3/2004 (6/12-7/25/2004)	Severe Storms, Flooding, and Tornadoes	Wyandotte	\$12,845,892
1462	5/6/2003 (5/4-30/2003)	Severe Storms, Tornadoes, and Flooding	Leavenworth and Wyandotte	\$988,056

Source: FEMA

The following provides details of the single Presidential Disaster Declaration for Kansas Region L related to severe storms (and potentially lightning) since the last plan update in 2013.

Kansas – Severe Storms, Straight-line Winds, and Flooding FEMA-4347-DR

Declared November 7, 2017

On August 31, 2017, Governor Sam Brownback requested a major disaster declaration due to severe storms, straight-line winds, and flooding during the period of July 22-27, 2017. The Governor requested a declaration for Public Assistance for two counties and Hazard Mitigation statewide. During the period of August 18-24, 2017, joint federal, state, and local government Preliminary Damage Assessments (PDAs) were conducted in the requested counties and are summarized below. PDAs estimate damages immediately after an event and are considered, along with several other factors, in determining whether a disaster is of such severity and magnitude that effective response is beyond the capabilities of the state and the affected local governments, and that Federal assistance is necessary.



On November 7, 2017, President Trump declared that a major disaster exists in the State of Kansas. This declaration made Public Assistance requested by the Governor available to state and eligible local governments and certain private nonprofit organizations on a cost-sharing basis for emergency work and the repair or replacement of facilities damaged by the severe storms, straight-line winds, and flooding in Johnson and Wyandotte Counties. This declaration also made Hazard Mitigation Grant Program assistance requested by the Governor available for hazard mitigation measures statewide.

In addition to the above reported events, the following table presents NOAA NCEI identified high wind events (High Wind and Thunderstorm Wind) and the resulting damage totals in Kansas Region L for the 10-year period of 2009 – 2018 (with 2009 and 2018 being full data set years).

Table 4.39: Kansas Region L NCEI High Wind Events, 2009 - 2018

County	Number of Days with Events	Property Damage	Highest Recorded Wind Speed	Deaths	Injuries
Johnson	56	\$645,500	75 Knots	0	0
Leavenworth	47	\$70,900	65 Knots	0	0
Wyandotte	19	\$2,000	70 Knots	0	0

Source: NOAA NCEI

The following are descriptions of both NCEI and locally reported events.

- **March 6, 2017: Johnson County**

On the evening of March 6, a squall line with damaging winds moved through the Johnson County Executive Airport and produced significant damage to hangars and aircraft enclosed in the hangars. Several planes were flipped after the building shredded apart by the strong straight-line winds. NWS survey inspected the site and due to damage being spread in a unidirectional fashion the cause of the damage was deemed to be straight line winds. No deaths or injuries were reported, and property damage was recorded at \$500,000.

- **June 6, 2011: Leavenworth County**

Large trees were snapped off at ground level. A barn was destroyed at 155th Street and Fairmont Road. No deaths or injuries were reported, and property damage was recorded at \$25,000.

- **July 28, 2011: Johnson County**

A four-block area in Stilwell, had around one dozen large trees knocked down, with a few of them landing on homes. Multiple power poles were snapped off, with resultant power outages across town. One front porch was knocked a little off the foundation of a home. No deaths or injuries were reported, and property damage was recorded at \$75,000.

Available crop loss data from the USDA Risk Management Agency detailing cause of loss was researched to determine the financial impacts of tornados on the region’s agricultural base. Crop loss data for the years 2014- 2018 (with 2014 and 2018 being full data years), for the region, indicates three high wind related claims on 123 acres for \$7,718.



Table 4.40: USDA Risk Management Agency Cause of Loss Indemnities 2014-2018, High Winds

County	Number of Reported Claims	Acres Lost	Total Amount of Loss
Johnson	1	45	\$4,233
Leavenworth	2	78	\$3,485
Wyandotte	0	0	\$0

Source: USDA

4.9.3 – Hazard Probability Analysis

The following table summarizes high wind event data for **Johnson County**.

Table 4.41: Johnson County High Wind Probability Summary

Data	Recorded Impact
Number of Days with NCEI Reported Event (2009-2018)	56
Average Event Days per Year	6
Number of Days with Event and Death or Injury (2009-2018)	0
Average Number of Yearly Deaths and Injuries	0
Total Reported NCEI Property Damage (2009-2018)	\$645,000
Average Property Damage per Year	\$64,500
USDA Farm Service Agency Number of Crop Damage Claims (2014-2018)	1
Average Number of Claims per Year	<1
USDA Farm Service Agency Number of Acres Damaged (2014-2018)	45
Average Number of Acres Damaged per Year	9
USDA Farm Service Agency Crop Damage Claims Amount (2014-2018)	\$4,233
Average Crop Damage per Year	\$847

Source: NCEI and USDA

Data from the NCEI indicates that Johnson County can expect on a yearly basis, relevant to high wind events:

- Six events
- No deaths or injuries
- \$64,500 in property damages

According to the USDA Risk Management Agency, Johnson County can expect on a yearly basis, relevant to high wind occurrences:

- Less than one insurance claims
- Nine acres impacted
- \$847 in insurance claims

The following table summarizes high wind event data for **Leavenworth County**.



Table 4.42: Leavenworth County High Wind Probability Summary

Data	Recorded Impact
Number of Days with NCEI Reported Event (2009-2018)	47
Average Event Days per Year	5
Number of Days with Event and Death or Injury (2009-2018)	0
Average Number of Yearly Deaths and Injuries	0
Total Reported NCEI Property Damage (2009-2018)	\$75,900
Average Property Damage per Year	\$7,590
USDA Farm Service Agency Number of Crop Damage Claims (2014-2018)	2
Average Number of Claims per Year	<1
USDA Farm Service Agency Number of Acres Damaged (2014-2018)	78
Average Number of Acres Damaged per Year	16
USDA Farm Service Agency Crop Damage Claims Amount (2014-2018)	\$3,485
Average Crop Damage per Year	\$697

Source: NCEI and USDA

Data from the NCEI indicates that Leavenworth County can expect on a yearly basis, relevant to high wind events:

- Five events
- No deaths or injuries
- \$7,590 in property damages

According to the USDA Risk Management Agency, Leavenworth County can expect on a yearly basis, relevant to high wind occurrences:

- Less than one insurance claims
- 16 acres impacted
- \$697 in insurance claims

The following table summarizes high wind event data for **Wyandotte County**.

Table 4.43: Wyandotte County High Wind Probability Summary

Data	Recorded Impact
Number of Days with NCEI Reported Event (2009-2018)	19
Average Event Days per Year	2
Number of Days with Event and Death or Injury (2009-2018)	0
Average Number of Yearly Deaths and Injuries	0
Total Reported NCEI Property Damage (2009-2018)	\$2,000
Average Property Damage per Year	\$200
USDA Farm Service Agency Number of Crop Damage Claims (2014-2018)	0
Average Number of Claims per Year	0
USDA Farm Service Agency Number of Acres Damaged (2014-2018)	0
Average Number of Acres Damaged per Year	0
USDA Farm Service Agency Crop Damage Claims Amount (2014-2018)	\$0
Average Crop Damage per Year	\$0

Source: NCEI and USDA



Data from the NCEI indicates that Wyandotte County can expect on a yearly basis, relevant to high wind events:

- Two events
- No deaths or injuries
- \$200 in property damages

According to the USDA Risk Management Agency, Wyandotte County can expect on a yearly basis, relevant to high wind occurrences:

- No insurance claims
- No acres impacted
- \$0 in insurance claims

In addition, Kansas Region L has had one Presidentially Declared Disaster relating to straight-line winds (and other concurrent events) in the last 20 years. This represents an average of less than one declared straight-line wind related disaster per year. Kansas Region L has also had five Presidentially Declared Disasters relating to severe storms (and other concurrent events) in the last 20 years. This represents an average of less than one declared severe storm related disaster per year.

4.9.4 – Vulnerability Analysis

For purposes of this assessment, all counties within the region were determined to be at equal risk to high wind events. Counties with a higher or increasing population, and/or a high or increasing structural valuation are to be considered to have a potentially greater vulnerability.

The following table presents data from the NOAA NCEI and HAZUS concerning the value of structures and the percentage of structures for each Kansas Region L county incurring damage over the period 2009 to 2018 from high wind events. A greater percentage of damaged structures damaged may indicate a greater potential future vulnerability.

Table 4.44: Kansas Region L Structural Vulnerability Data for High Winds

County	HAZUS Building Valuation	NCEI Structure Damage, 2009-2018	Percentage of Building Valuation Damaged
Johnson	\$124,279,962,000	\$645,500	0.0005%
Leavenworth	\$13,050,342,000	\$70,900	0.0005%
Wyandotte	\$29,708,946,000	\$2,000	0.00001%

Source: NCEI and HAZUS

Counties with a high population and/or a growing population may be at increased risk.

Table 4.45: Kansas Region L Population Vulnerability Data for High Winds

County	2017 Population	Percent Population Change 2000 to 2017
Johnson	591,178	31.06%
Leavenworth	81,095	18.06%



Table 4.45: Kansas Region L Population Vulnerability Data for High Winds

County	2017 Population	Percent Population Change 2000 to 2017
Wyandotte	165,288	4.69%

Source: US Census Bureau

The USDA 2012 Census of Agriculture (the latest available data) provides data on the crop exposure value, the total dollar value of all crops, for each Kansas Region L County. USDA Risk Management Agency crop loss data allows us to quantify the monetary impact of high wind on the agricultural sector. The higher the percentage loss, the higher potential future vulnerability the county may have to high wind events.

Table 4.46: Kansas Region L USDA Annual High Wind Percentage Impact Data, 2014-2018

Jurisdiction	Farm Acreage	Annual Acres Impacted	Annual Percentage of Total Acres Impacted	Market Value of Products Sold	Annualized Crop Insurance Paid	Annual Percentage of Market Value Impacted
Johnson	99,354	9	0.01%	\$24,370,000	\$847	0.003%
Leavenworth	184,471	16	0.01%	\$36,367,000	\$697	0.00%
Wyandotte	12,009	0	0.00%	\$3,291,000	\$0	0.00%

Source: USDA

As with tornados, the following participating jurisdictions may have increased vulnerability to high wind events due to the percentage of mobile homes:

- **Participating jurisdictions with 20%-25% of housing stock as mobile homes:** Easton, Leavenworth County and Edwardsville, Wyandotte County

4.9.5 – Impact and Consequence Analysis

As per EMAP requirements, the following table provides the Consequence Analysis.

Table 4.47: High Wind Consequence Analysis

Subject	Impacts of High Winds
Health and Safety of the Public	Impact of the immediate area could be severe depending on whether individuals were able to seek shelter. Casualties are dependent on warning systems and warning times.
Health and Safety of Responders	Impact to responders is expected to be minimal unless responders live within the affected area.
Continuity of Operations	Temporary to permanent relocation may be necessary if government facilities experience damage.
Property, Facilities, and Infrastructure	Localized impact could be severe in the wind path. Roads, buildings, and communications could be adversely affected. Damage could be severe.
Environment	Impact will be severe for the immediate impacted area. Impact will lessen as distance increases from the immediate incident area.
Economic Conditions	Impacts to the economy will greatly depend on the wind severity. Potential economic impact conditions could be minor to severe.



Table 4.47: High Wind Consequence Analysis

Subject	Impacts of High Winds
Public Confidence in the Jurisdiction's Governance	Response and recovery will be in question if not timely and effective. Warning systems and warning time will also be questioned.



4.10 – Drought

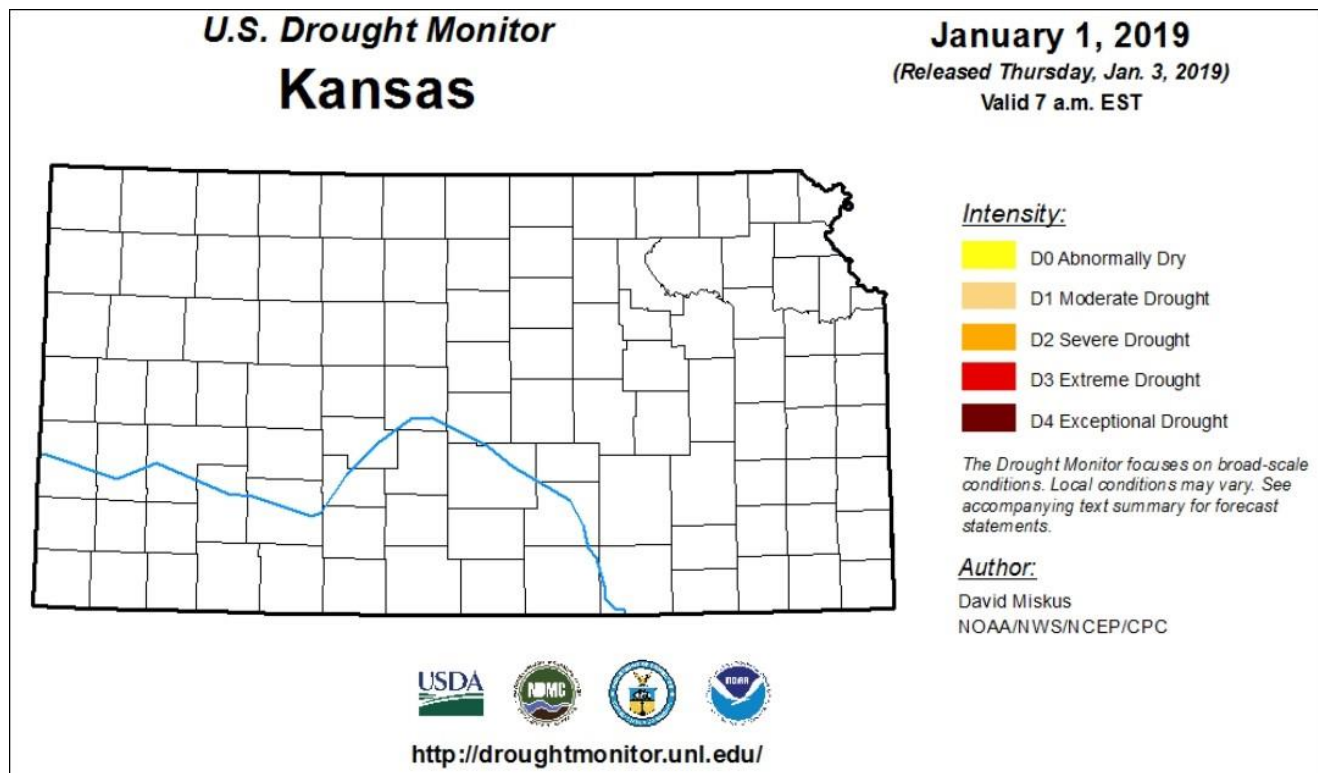
Drought is an abnormally dry period lasting months or years when an area has a deficiency of water and precipitation in its surface and/or underground water supply. The hydrological imbalance can be grouped into the following non-exclusive categories.



- **Agricultural:** When the amount of moisture in the soil no longer meets the needs of previously grown crops.
- **Hydrological:** When surface and subsurface water levels are significantly below their normal levels.
- **Meteorological:** When there is a significant departure from the normal levels of precipitation.
- **Socio-Economic:** When the water deficiency begins to significantly affect the population.

4.10.1 – Location and Extent

While all of Kansas Region L is vulnerable to drought, it is most disastrous in the rural areas where the majority of agricultural businesses are located. The most commonly used drought index to determine the onset and the severity of a drought is the Palmer Drought Severity Index. The map below indicates the drought conditions for Kansas Region L through January 1, 2019.



4.10.2 – Previous Occurrences

One of the best indicators of historic drought periods is provided by the U.S. Drought Monitor, which lists weekly drought conditions for the State of Kansas. The following table details the U.S. Drought Monitor categories.

Table 4.48: U.S. Drought Monitor Categories

Rating	Described Condition
None	No drought conditions
D0	Abnormally Dry
D1	Moderate Drought
D2	Severe Drought
D3	Extreme Drought
D4	Exceptional Drought

Source: U.S. Drought Monitor

Historical data was gathered from the U.S. Drought Monitor weekly reports from the 10-year period 2009 through 2018 (with 2009 and 2018 being full data set years). This data was compiled and aggregated to provide a yearly estimate of the percentage of the year Kansas Region L was in each Drought Monitor category.

Table 4.49: Percentage of Kansas Region L in U.S. Drought Monitor Category, 2009-2018

Year	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
2018	21.6%	78.4%	30.2%	24.8%	12.5%	3.5%
2017	61.6%	38.4%	9.6%	0.0%	0.0%	0.0%
2016	85.8%	14.2%	0.0%	0.0%	0.0%	0.0%
2015	71.9%	28.1%	0.0%	0.0%	0.0%	0.0%
2014	37.5%	62.5%	18.7%	0.0%	0.0%	0.0%
2013	22.8%	75.3%	32.2%	17.0%	0.0%	0.0%
2012	38.5%	61.5%	53.8%	48.1%	14.7%	6.5%
2011	43.0%	57.0%	19.2%	6.0%	0.0%	0.0%
2010	96.2%	3.8%	0.0%	0.0%	0.0%	0.0%
2009	100.0%	0.0%	0.0%	0.0%	0.0%	0.0%

Source: U.S. Drought Monitor

Another good indicator of historical droughts is USDA Disaster Declarations. The following table details USDA Drought Declarations during the five-year period 2014 through 2018 (with 2014 and 2018 being full data set years) for the Kansas Region L.

Table 4.50: Kansas Region L Secretarial Drought Declarations, 2014 - 2017

Year	Number of Secretarial Drought Disaster Declarations	Designation Numbers and Region County Included in Designation
2018	10	S4362 (Johnson), S4374 (Johnson), S4400 (Johnson), S4362 (Leavenworth), S4368 (Leavenworth), S4369 (Leavenworth), S4377 (Leavenworth), S4362 (Wyandotte), S4369 (Wyandotte), S4374 (Wyandotte)



Table 4.50: Kansas Region L Secretarial Drought Declarations, 2014 - 2017

Year	Number of Secretarial Drought Disaster Declarations	Designation Numbers and Region County Included in Designation
2017	0	-
2016	0	-
2015	0	-
2014	0	-

Source: USDA Farm Service Agency

Available crop loss data from the USDA Risk Management Agency detailing cause of loss was researched to determine the financial impacts of drought on the region’s agricultural base. Crop loss data for the years 2014- 2018 (with 2014 and 2018 being full data years), for the region, indicates 66 drought related claims on 35,915 acres for \$1,681,169.

Table 4.51: USDA Risk Management Agency Cause of Loss Indemnities 2014-2018, Drought

County	Number of Reported Claims	Acres Lost	Total Amount of Loss
Johnson	28	28,597	\$1,025,839
Leavenworth	32	7,035	\$629,882
Wyandotte	6	283	\$25,448

Source: USDA

4.10.3 – Hazard Probability Analysis

Reviewing historical data from the U.S. Drought Monitor weekly reports from the years 2009 through 2018 (with 2009 and 2018 being full data set years) a yearly average can be created indicating the percentage of the region in each Drought Monitor category. This average can be used to extrapolate the potential likelihood of future drought conditions.

Table 4.52: Kansas Region L Estimated Probability of Being in U.S. Drought Monitor Category

None	D0-D4	D1-D4	D2-D4	D3-D4	D4
57.9%	41.9%	16.4%	9.6%	2.7%	1.0%

Additionally, over the five-year period 2014 to 2018 there was only one year with a USDA Declared Secretarial Drought Disaster, equating to 20% chance of occurrence.

Data was reviewed from the USDA Risk Management agency to determine vulnerability to drought. The following table summarizes drought event data for **Johnson County**

Table 4.53: Johnson County Drought Agricultural Probability Summary

Data	Recorded Impact
USDA Farm Service Agency Number of Crop Damage Claims (2014-2018)	28
Average Number of Claims per Year	6
USDA Farm Service Agency Number of Acres Damaged (2014-2018)	25,597
Average Number of Acres Damaged per Year	5,719
USDA Farm Service Agency Crop Damage Claims Amount (2014-2018)	\$1,025,839
Average Crop Damage per Year	\$205,168

Source: USDA



According to the USDA Risk Management Agency, Johnson County can expect on a yearly basis, relevant to drought occurrences:

- Six insurance claims
- 5,719 acres impacted
- \$205,168 in insurance claims

The following table summarizes drought event data for **Leavenworth County**.

Table 4.54: Leavenworth County Drought Agricultural Probability Summary

Data	Recorded Impact
USDA Farm Service Agency Number of Crop Damage Claims (2014-2018)	32
Average Number of Claims per Year	6
USDA Farm Service Agency Number of Acres Damaged (2014-2018)	7,035
Average Number of Acres Damaged per Year	1,407
USDA Farm Service Agency Crop Damage Claims Amount (2014-2018)	\$629,882
Average Crop Damage per Year	\$125,976

Source: USDA

According to the USDA Risk Management Agency, Leavenworth County can expect on a yearly basis, relevant to drought occurrences:

- Six insurance claims
- 1,407 acres impacted
- \$125,976 in insurance claims

The following table summarizes drought event data for **Wyandotte County**.

Table 4.55: Wyandotte County Drought Agricultural Probability Summary

Data	Recorded Impact
USDA Farm Service Agency Number of Crop Damage Claims (2014-2018)	6
Average Number of Claims per Year	1
USDA Farm Service Agency Number of Acres Damaged (2014-2018)	283
Average Number of Acres Damaged per Year	57
USDA Farm Service Agency Crop Damage Claims Amount (2014-2018)	\$25,448
Average Crop Damage per Year	\$5,089

Source: USDA

According to the USDA Risk Management Agency, Wyandotte County can expect on a yearly basis, relevant to drought occurrences:

- One insurance claim
- 57 acres impacted
- \$5,089 in insurance claims



4.10.4 Vulnerability Analysis

In general, structures and populations are not directly vulnerable to losses as a result of drought. However, there is a small potential that bridges could be impacted by shrinking soil as a result of drought conditions that could cause foundational or support damages.

The USDA 2012 Census of Agriculture (the latest available data) provides data on the crop exposure value, the total dollar value of all crops, for each Kansas Region L County. USDA Risk Management Agency crop loss data (2015 – 2018) allows us to quantify the monetary impact of drought conditions on the agricultural sector. The higher the percentage loss, the higher potential future vulnerability the county may have to drought events.

Table 4.56: Kansas Region L USDA Annual Drought Percentage Impact Data, 2014-2018

Jurisdiction	Farm Acreage	Annual Acres Impacted	Annual Percentage of Total Acres Impacted	Market Value of Products Sold	Annualized Crop Insurance Paid	Annual Percentage of Market Value Impacted
Johnson	99,354	5,719	5.76%	\$24,370,000	\$205,168	0.842%
Leavenworth	184,471	1,407	0.76%	\$36,367,000	\$125,976	0.35%
Wyandotte	12,009	57	0.47%	\$3,291,000	\$5,089	0.15%

Source: USDA

Additional predictions about drought vulnerability can be made by reviewing data with the National Weather Service (NWS) Climate Prediction Center at www.cpc.ncep.noaa.gov/products/expert_assessment/sdo_summary.php.

4.10.5 – Impact and Consequence Analysis

As per EMAP standards, the following table provides the consequence analysis for drought conditions.

Table 4.56: Drought Consequence Analysis

Subject	Impacts of Drought
Health and Safety of the Public	Drought impact tends to be agricultural however, because of the lack of precipitation water supply disruptions can occur which can affect people. Impact is expected to be minimal.
Health and Safety of Responders	Impact to responders is expected to be minimal.
Continuity of Operations	Minimal expectation for utilization of the COOP.
Property, Facilities, and Infrastructure	Impact to property, facilities, and infrastructure could be minimal to severe, depending on the length and intensity of the drought. Structural integrity of buildings and buckling of roads could occur.
Environment	The impact to the environment could be severe. Drought can severely affect farming, ranching, wildlife and plants due to the lack of precipitation.
Economic Conditions	Impacts to the economy will be dependent on how extreme the drought is and how long it lasts. Communities that depend on an agricultural economic engine will likely be severely stressed.
Public Confidence in the Jurisdiction’s Governance	Confidence could be an issue during periods of extreme drought if planning is not in place to address intake needs and loss of crops.



4.11 – Winter Storm

Winter weather in Kansas Region L usually come in the form of light to heavy snow or freezing rain. A major winter storm can last for several days and be accompanied by high winds, freezing rain or sleet, heavy snowfall, and cold temperatures. Heavy accumulations of ice, often the result of freezing rain, can bring down trees, utility poles, and communications towers and disrupt communications and power for days.



4.11.1 – Location and Extent

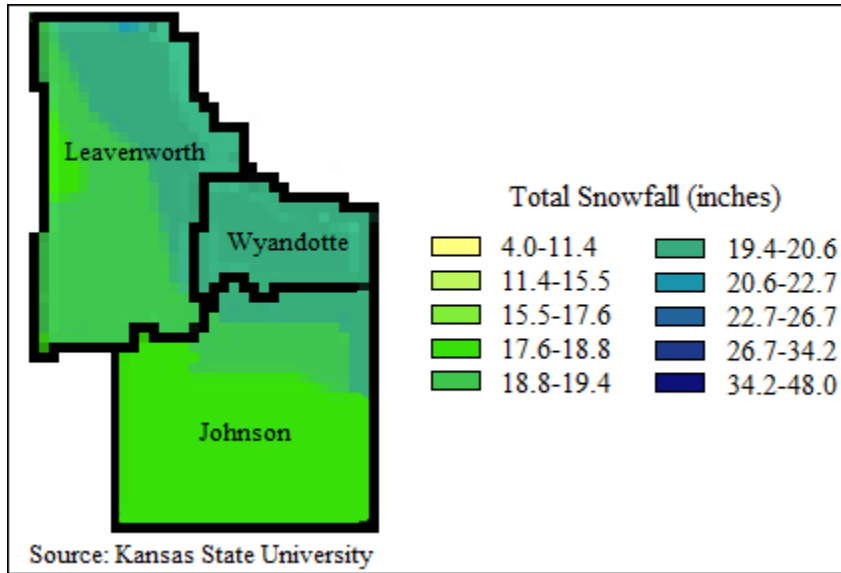
All of Kansas Region L is susceptible to severe winter storms. For winter weather, the NWS describes the different types of events as follows:

- **Blizzard:** Winds of 35 mph or more with snow and blowing snow reducing visibility to less than 1/4 mile for at least three hours.
- **Blowing Snow:** Wind-driven snow that reduces visibility. Blowing snow may be falling snow and/or snow on the ground picked up by the wind.
- **Snow Squalls:** Brief, intense snow showers accompanied by strong, gusty winds. Accumulation may be significant.
- **Snow Showers:** Snow falling at varying intensities for brief periods of time. Some accumulation is possible.
- **Freezing Rain:** Rain that falls onto a surface with a temperature below freezing. This causes it to freeze to surfaces forming a coating or glaze of ice. Most freezing-rain events are short lived and occur near sunrise between the months of December and March.
- **Sleet:** Rain drops that freeze into ice pellets before reaching the ground. Sleet usually bounces when hitting a surface and does not stick to objects.

The following map, generated Kansas State University, indicates the average annual snowfall for Kansas Region L for a given year.

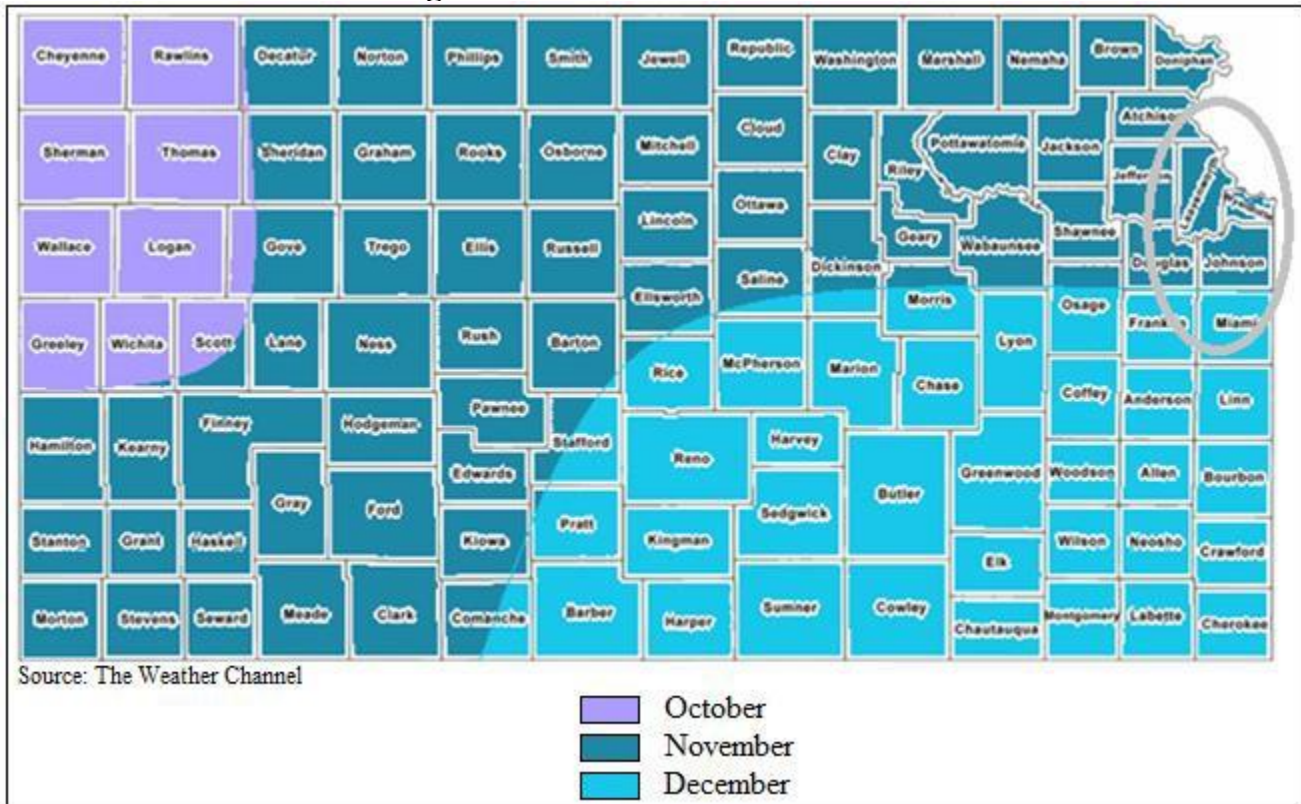


Average Annual Snowfall, 1981-2010



Additionally, as indicated by the map below, Kansas Region L can expect to receive the first measurable snow in November of each year.

Average Date of First Measurable Snowfall



4.11.2 – Previous Occurrences

For the 20-year period of 1999 to 2018 (with 1999 and 2018 being full data set years), there have been four Presidential Disaster Declarations for the State of Kansas Region L for severe winter storms. The following information is presented to provide a historical perspective on severe winter storm events that have impacted Kansas Region L. Declaration numbers in bold indication declared disaster that have occurred since the previous mitigation plan update in 2013.

Table 4.57: Kansas Region L FEMA Severe Winter Storms Disaster and Emergency Declarations, 2002 -2017

Declaration Number	Incident Period	Disaster Description	Regional Counties Involved	Dollars Obligated
1885	03/09/2010 (12/9/2009-1/8/2010)	Severe Winter Storms and Snowstorm	Wyandotte	\$19,100,658
1741	02/01/2008	Severe Winter Storms	Leavenworth	\$359,557,345
1579	2/8/2005 (1/4-6/2005)	Severe Winter Storm, Heavy Rains, and Flooding	Leavenworth and Wyandotte	\$106,873,672
1402	2/6/2002 (1/29-2/15/2002)	Ice Storm	Johnson, Leavenworth, and Wyandotte	\$60,185,754

Source: FEMA

The following presents NOAA NCEI data concerning winter storm events in Kansas Region L. It is worth noting that the NCEI data is regional, and sometimes statewide. As such reported damage is not specific to the county nor to any of the participating jurisdictions.

Table 4.58: Kansas Region L NCEI Winter Storm Events, 2009 - 2018

Event Type	Number of Days with Events	Property Damage	Deaths	Injuries
Blizzards	3	\$0	0	0
Ice Storm	1	\$0	0	0
Winter Storms	11	\$0	0	0

Source: NOAA NCEI

As there were no reported damages, deaths, or injuries, descriptions of these events can be found on the NOAA NCEI website:

- www.NCEI.noaa.gov/stormevents/ftp.jsp

Available crop loss data from the USDA Risk Management Agency detailing cause of loss was researched to determine the financial impacts of winter storms on the region’s agricultural base. Crop loss data for the years 2014- 2018 (with 2014 and 2018 being full data years), for the region, indicates nine winter storm related claims of 753 acres for \$27,700.



**Table 4.59: USDA Risk Management Agency Cause of Loss Indemnities
2014-2018, Winter Storms**

County	Number of Reported Claims	Acres Lost	Total Amount of Loss
Johnson	7	630	\$26,673
Leavenworth	2	123	\$1,027
Wyandotte	0	0	\$0

Source: USDA

4.11.3 – Hazard Probability Analysis

For probability purposes, each component of severe winter storms was examined and combined. The following table summarizes winter storm event data for **Kansas Region L**.

Table 4.60: Kansas Region L Winter Storm Probability Summary

Data	Recorded Impact
Number of Days with NCEI Reported Event (2009-2018)	14
Average Event Days per Year	1
Number of Days with Event and Death or Injury (2009-2018)	0
Average Number of Yearly Deaths and Injuries (2009-2018)	0
Total Reported NCEI Property Damage (2009-2018)	\$0
Average Property Damage per Year	\$0

Source: NCEI

Data from the NCEI indicates that Kansas Region L can expect on a yearly basis, relevant to winter storm events:

- One event
- No deaths or injuries
- \$0 in property damages

The following table summarizes USDA Risk Management Agency winter storm event data for **Johnson County**.

Table 4.61: Johnson County Winter Storm Probability Summary (Agricultural)

Data	Recorded Impact
USDA Farm Service Agency Number of Crop Damage Claims (2014-2018)	7
Average Number of Claims per Year	1
USDA Farm Service Agency Number of Acres Damaged (2014-2018)	630
Average Number of Acres Damaged per Year	126
USDA Farm Service Agency Crop Damage Claims Amount (2014-2018)	\$26,673
Average Crop Damage per Year	\$5,335

Source: USDA

According to the USDA Risk Management Agency, Johnson County can expect on a yearly basis, relevant to winter storm occurrences:

- One insurance claim



- 126 acres impacted
- \$5,335 in insurance claims

The following table summarizes USDA Risk Management Agency winter storm event data for **Leavenworth County**.

Table 4.62: Leavenworth County Winter Storm Probability Summary (Agricultural)

Data	Recorded Impact
USDA Farm Service Agency Number of Crop Damage Claims (2014-2018)	2
Average Number of Claims per Year	<1
USDA Farm Service Agency Number of Acres Damaged (2014-2018)	123
Average Number of Acres Damaged per Year	25
USDA Farm Service Agency Crop Damage Claims Amount (2014-2018)	\$1,027
Average Crop Damage per Year	\$205

Source: USDA

According to the USDA Risk Management Agency, Leavenworth County can expect on a yearly basis, relevant to winter storm occurrences:

- Less than one insurance claims
- 25 acres impacted
- \$205 in insurance claims

The following table summarizes USDA Risk Management Agency winter storm event data for **Wyandotte County**.

Table 4.63: Wyandotte County Winter Storm Probability Summary (Agricultural)

Data	Recorded Impact
USDA Farm Service Agency Number of Crop Damage Claims (2014-2018)	0
Average Number of Claims per Year	0
USDA Farm Service Agency Number of Acres Damaged (2014-2018)	0
Average Number of Acres Damaged per Year	0
USDA Farm Service Agency Crop Damage Claims Amount (2014-2018)	\$0
Average Crop Damage per Year	\$0

Source: USDA

According to the USDA Risk Management Agency, Wyandotte County can expect on a yearly basis, relevant to winter storm occurrences:

- No insurance claims
- No acres impacted
- \$0 in insurance claims

In addition, Kansas Region L has had four Presidentially Declared Disasters relating to winter storms (and other concurrent events) in the last 20 years. This represents an average of less than one declared winter storm related disaster per year.



4.11.4 – Vulnerability Analysis

For purposes of this assessment, all counties within the region were determined to be at equal risk to winter storm events. Counties with a higher or increasing population, and/or a high or increasing structural valuation are to be considered to have a potentially greater vulnerability.

The following table presents data from the NOAA NCEI and HAZUS concerning the value of structures and the percentage of structures for each Kansas Region L county incurring damage over the period 2009 to 2018 from winter storm events. A greater percentage of damaged structures damaged may indicate a greater potential future vulnerability.

Table 4.64: Kansas Region L Structural Vulnerability Data for Winter Storms

County	HAZUS Building Valuation	NCEI Structure Damage, 2009-2018	Percentage of Building Valuation Damaged
Johnson	\$124,279,962,000	\$0	0.0%
Leavenworth	\$13,050,342,000	\$0	0.0%
Wyandotte	\$29,708,946,000	\$0	0.0%

Source: NCEI and HAZUS

Counties with a high population and/or a growing population may be at increased risk.

Table 4.65: Kansas Region L Population Vulnerability Data for Winter Storms

County	2017 Population	Percent Population Change 2000 to 2017
Johnson	591,178	31.06%
Leavenworth	81,095	18.06%
Wyandotte	165,288	4.69%

Source: US Census Bureau

The USDA 2012 Census of Agriculture (the latest available data) provides data on the crop exposure value, the total dollar value of all crops, for each Kansas Region L County. USDA Risk Management Agency crop loss data allows us to quantify the monetary impact of winter storms on the agricultural sector. The higher the percentage loss, the higher potential future vulnerability the county may have to winter storm events.

Table 4.66: Kansas Region L USDA Annual Winter Storm Percentage Impact Data, 2014-2018

Jurisdiction	Farm Acreage	Annual Acres Impacted	Annual Percentage of Total Acres Impacted	Market Value of Products Sold	Annualized Crop Insurance Paid	Annual Percentage of Market Value Impacted
Johnson	99,354	126	0.13%	\$24,370,000	\$5,335	0.02%
Leavenworth	184,471	25	0.01%	\$36,367,000	\$205	0.001%
Wyandotte	12,009	57	0.47%	\$3,291,000	\$5,089	0.15%

Source: USDA



4.11.5 – Impact and Consequence Analysis

As per EMAP requirements, the following table provides the Consequence Analysis.

Table 4.67: Winter Storm Consequence Analysis

Subject	Impacts of Winter Storm
Health and Safety of the Public	Severity and location dependent. Impacts on persons in the areas of snow and ice are expected to be severe if caught without proper shelter.
Health and Safety of Responders	Impacts will be predicated on the severity of the event. Damaged infrastructure will likely result in hazards such as downed utility lines, main breakages and debris on roadways. .
Continuity of Operations	Temporary relocation may be necessary if government facilities experience damage. Services may be limited to essential tasks if utilities are impacted.
Property, Facilities, and Infrastructure	Impact to property, facilities, and infrastructure could be minimal to severe, depending on the location and structural capacity of the facility. Loss of structural integrity of buildings and infrastructure could occur. Utility lines, roads, residential and business properties will be affected.
Environment	Impact could be severe for the immediate impacted area, depending on the size of the event. Impact will lessen as distance increases from the immediate incident area
Economic Conditions	Impacts to the economy will be dependent severity of the event and the impact on structures and infrastructure. Impacts could be severe if roads/utilities are affected.
Public Confidence in the Jurisdiction’s Governance	Response and recovery will be in question if not timely and effective. The timeliness warnings could be questioned.



4.12 – Utility/Infrastructure Failure

Critical infrastructure involves several different types of facilities and systems including:

- Electric power
- Transportation routes
- Natural gas and oil pipelines
- Water and sewer systems, storage networks
- Internet/telecommunications systems



Failure of utilities or infrastructure components in Region L can seriously impact public health, functioning of communities and the region's economy. Disruptions to utilities can occur from many of the hazards detailed in this plan, but the most likely causes include:

- Floods
- Lightning
- Tornadoes and Windstorms
- Winter Storms

In addition to being impacted by another listed hazard, utilities and infrastructure can fail as a result of faulty equipment, lack of maintenance, degradation over time, or accidental damage.

4.12.1 – Location and Extent

All of Kansas Region L is at risk for utility and/or infrastructure failure. The following sections discuss the major utilities in further detail.

Electric Power

The most common hazards analyzed in this plan that may disrupt the power supply are flood, lightning, tornado, windstorm, and winter weather. In addition, extreme heat can disrupt power supply when air conditioning use spikes during heat waves resulting in brownouts or rolling blackouts.

In general, electricity in Kansas Region L is provided by either investor-owned utilities or rural electric cooperatives (RECs). RECs are not-for-profit, member-owned electric utilities. Kansas RECs are governed by a board of trustees elected from the membership. Most Kansas RECs were set up under the Kansas Electric Cooperative Act, which, together with the federal Rural Electrification Act of 1934, made electric power available to rural customers. Information on regional electrical suppliers may be found at www.kec.org/servicearea_map.html. Additionally, locations of electric certified areas and transmission lines may be found at www.kcc.state.ks.us/maps/ks_electric_certified_areas.pdf.

Transportation Routes

Transportation routes can also be impacted by many of the hazards discussed in this plan. The primary hazards that impact transportation are flood, hazardous materials, and winter weather. Flood events can



make roads and bridges impassible due to high water. Flood waters can also erode or scour road beds and bridge abutments. Highway and railroad accidents that involve hazardous materials can impact transportation routes through closures and/or evacuations. Winter weather frequently impacts transportation as roads become treacherous or impassible due to ice and snow. Other hazards that impact transportation routes include dam and levee failures if routes are in inundation areas, extreme temperatures that can cause damage to pavement, land subsidence that can damage roads/railroads, landslides that can cause debris and rock falls onto roadways, terrorism that can target routes, tornados that can directly damage infrastructure or deposit debris in routes, wildfires that can cause decreased visibility on transportation routes due to smoke, and windstorms that can cause vehicle accidents or overturning.

Pipelines Systems

Hazards that can impact natural gas and oil pipelines include earthquakes, expansive soils, land subsidence, landslide, and terrorism

Water and Sewer Systems

The primary hazards that can impact water supply systems include drought, floods, hazardous materials, and terrorism. Water district boundary maps are available for review at <https://krwa.net/ONLINE-RESOURCES/RWD-Maps>.

Internet and Telecommunications

Internet and telecommunications infrastructure can be impacted by floods, lightning, tornados, windstorms, and winter weather. Land line phone lines often utilize the same poles as electric lines, so when weather events such as windstorm or winter weather cause lines to break both electricity and telephone services may experience outages. With the increasing utilization of cellular phones, hazard events such as tornado that can damage cellular repeaters can cause outages. In addition, during any hazard event, internet and telecommunications systems can become overwhelmed due to the surge in call and usage volume. A map indicating telephone service providers in Kansas Region L is available at www.kcc.state.ks.us/maps/ks_telephone_certified_areas.pdf.

4.12.2 – Previous Occurrences

Each year disruptions to utility services ranging from minor to serious are a secondary result of other hazard events including drought, flood, tornado, windstorm, winter storm, lightning, and extreme heat.

4.12.3 – Hazard Probability Analysis

Minor utility failures occur annually across the region, with larger failures usually tied to other disaster events such as tornados, winter storms and windstorms. As discussed throughout this plan, these concurrent events occur regularly. As such, it is expected that occasional, and largely concurrent utility failure events will occur on a regular basis.



4.12.4 – Vulnerability Assessment

Regionally, smaller utility suppliers generally have limited resources for mitigation. Thus, the large number of small utility service providers could mean greater vulnerability in the event of a major, widespread disaster, such as a major flood, severe winter storm or ice storm.

In recent years, regional electric power grid system failures in the western and east-central United States have demonstrated that similar failures could happen in Kansas Region L. This vulnerability is most appropriately addressed on a multi-state regional or national basis.

Since utility/infrastructure failure is generally a secondary or cascading impact of other hazards, it is not possible to quantify estimated potential losses specific to this hazard due to the variables associated with affected population, duration of outages, etc..

Although the limitless variables make it difficult to estimate future losses on a statewide basis, FEMA has developed standard loss of use estimates in conjunction with their Benefit-Cost Analysis methodologies to estimate the cost of lost utilities on a per-person, per-use basis.

Table 4.68: FEMA Benefit-Cost Analysis

Loss of Electric Power	Cost of Complete Loss of Service
Total Economic Impact	\$131 per person per day
Loss of Potable Water Service	Cost of Complete Loss of Service
Total Economic Impact	\$103 per person per day
Loss of Wastewater Service	Cost of Complete Loss of Service
Total Economic Impact	\$45 per person per day
Loss of Road/Bridge Service	Cost of Complete Loss of Service
Vehicle Delay Detour Time	\$29.63 per vehicle per hour (one-way trips)
Vehicle Delay Mileage	\$0.54 per mile (or current federal mileage rate)

Source: FEMA BCA Reference Guide, June 2009, Appendix C

4.12.5 – Impact and Consequence Analysis

As per EMAP requirements, the following table provides the Consequence Analysis.

Table 4.69: Utility/Infrastructure Failure Consequence Analysis

Subject	Impacts of Utility/Infrastructure Failure
Health and Safety of Persons in the Area of the Incident	Localized impact will be moderate to severe for persons with functional and access needs, and the elderly, depending on length of failure and time of year.
Responders	Impact to responders will be minimal if properly trained and equipped.
Continuity of Operations	Due to the nature of the hazard, the COOP plan is not expected to be activated, however, if the recovery time is excessive than temporary relocation may become necessary.
Property, Facilities, and Infrastructure	Impact is dependent on the nature of the incident, e.g., electric, water, sewage, gas, communication disruptions.
Environment	Impact, depending on the nature of the incident, should be minimal.



Table 4.69: Utility/Infrastructure Failure Consequence Analysis

Subject	Impacts of Utility/Infrastructure Failure
Economic Conditions	Economic conditions could be adversely affected depending on damages suffered, extent of damages, etc.
Public Confidence in Governance	Impact will be dependent on whether or not the government or non-government entities response, recovery, and planning were not timely and effective.



4.13 – Hazardous Materials

Hazardous materials (HazMat) are any substances that pose a risk to health, life, or property when released or improperly handled. Generally, the term refers to materials with hazardous chemical or physical properties, though sometimes biological agents can fall under this category. The basic types of hazardous materials may be categorized according to more than six different systems; but the categories of U.S. Emergency Planning and Community Right-to-Know Act (42 U.S.C. 11002) provide a general guide to hazardous materials:



- **Extremely Hazardous Substances:** Materials that have acutely toxic chemical or physical properties and may cause irreversible damage or death to people or harm the environment if released or used outside their intended use.
- **Hazardous Substances:** Materials posing a threat to human health and/or the environment, or any substance designated by the EPA to be reported if a designated quantity of the substance is spilled into waterways, aquifers, or water supplies or is otherwise released into the environment.

4.13.1 – Location and Extent

In Kansas Region L, HazMat incidents are generally classified as:

- **Fixed Facility Incidents:** Commercial Facilities and Superfund Sites
- **Transportation Incidents:** Highway, Railway, Pipeline, Air, and Water

Fixed Facilities

When facilities have hazardous materials in quantities at or above the threshold planning quantity, they must submit Tier II information to appropriate federal and state agencies to facilitate emergency planning in accordance with the Community Right to Know Act. The forms are known as Tier II reports and the facilities included are referred to as Tier II facilities. According to data provided by KDEM, there are 540 Tier II Facilities housing hazardous chemicals in Kansas Region L. The following table details the number of Tier II facilities by county.

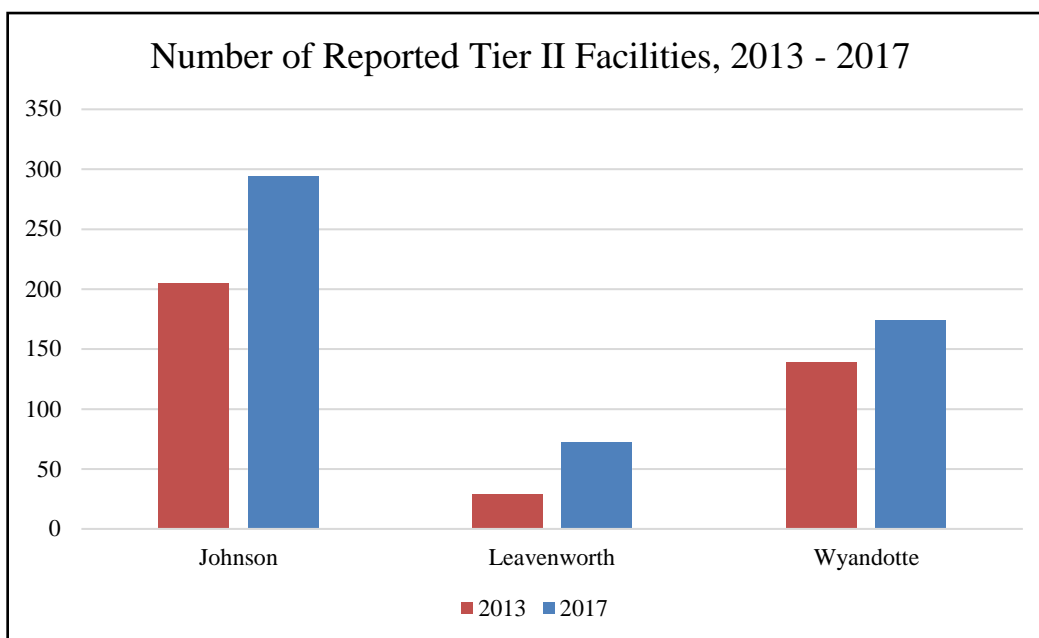
Table 4.70: Kansas Region L Tier II Facilities by County

County	Tier II Facilities
Johnson	294
Leavenworth	72
Wyandotte	174

Source: KDEM

As illustrated in the following graph, the number of Tier II facilities has increased for the region, primarily to due to an extensive outreach effort by Kansas Department of Health and Environment (KDHE) to facilities that house hazardous chemicals





The National Priorities List is a published list of hazardous waste sites in the country that are eligible for extensive, long-term cleanup under the Superfund program. A Superfund site is an uncontrolled or abandoned location where hazardous waste is located which may affect local ecosystems and/or people. The Environmental Protection Agency (EPA) has indicated that the following Superfund sites are located with Kansas Region L.

Table 4.71: Kansas Region L National Priorities List Facilities

Facility Name	Location	County
Chemical Commodities, Inc.	Olathe	Johnson
Doepke Disposal (Holliday)	No Specified	Johnson

Source: EPA

Transportation

The following table, from Kansas Department of Transportation (KDOT), presents total roadway mileage by county.

Table 4.72: Kansas Region L Total Roadway Mileage by County

County	Interstates (Miles)
Johnson	3,389
Leavenworth	1,166
Wyandotte	1,148

Source: KDOT

Kansas Region L is served by numerous railroad companies. Railroads are generally defined by three classes, predicated on revenue and size, with Class I (Freight) being the largest. Class I railroads are of the greatest concern due to the type of freight carried, with categories including There are three Class I



railroads in Kansas Region L providing service with long-haul deliveries to national market areas and intermodal rail/truck service providers:

- Burlington Northern and Santa Fe Railway
- Kansas City Southern Railway
- Union Pacific Railroad

The following table, with information from KDOT, provides the total railroad track mileage of for each county within Kansas Region L.

Table 4.73: Kansas Region L Railroad Track Mileage

	Class I Track Mileage
Johnson	85
Leavenworth	34
Wyandotte	86

Source: KDOT

The following map, from KDOT, shows Class I track locations in Kansas Region L.

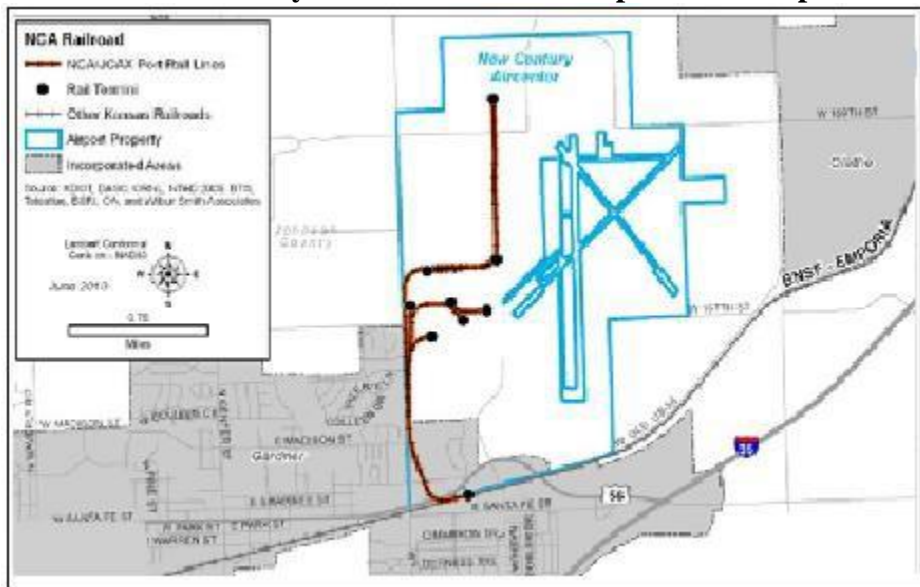


Class III carriers providing line haul services are known as short lines. Class III railroads are small railroads that provide connections for their shippers to the Class I railroads and the national rail system.

Two Class III, or local, terminal and switching railroads, operate in Kansas Region L.

- The Kansas City Terminal Railway Company provides dispatching and switching services for trains in and out of the metropolitan Kansas City area, with approximately three route miles Wyandotte County.
- New Century AirCenter is a 2,300-acre inland port located along the I-35 corridor in Johnson County with five miles of rail lines.

New Century AirCenter Class III Operations Map



Pipelines

The following data, provided by KDEM and the United States Department of Transportation Pipeline and Hazardous Materials Safety Administration (PHMSA), indicates the total number of gas and liquid pipeline mileage per county.

Table 4.74: PHMSA Pipeline Mileage by County

County	Gas (miles)	Liquid (miles)
Johnson	229	137
Leavenworth	107	104
Wyandotte	67	167

Source: KDEM and PHMSA



4.13.2 – Previous Occurrences

The following table, with data from KDEM, lists the number of hazardous materials incidents, injuries, fatalities and people evacuated from the public and facilities for each Kansas Region L county over the three-year period 2013-2015 (due to system changes, the most current data available).

Table 4.75: Kansas Region L HazMat KDEM Reported Incidents, 2013-2015

Jurisdiction	Incidents	Injuries	Fatalities	People Evacuated
Johnson	9	0	0	21
Leavenworth	4	0	0	12
Wyandotte	19	0	0	15

Source: KDEM

Hazardous Materials Regulations (49 CFR Parts 171-180) require certain types of HazMat incidents be reported, with data tracked by PHMSA’s Office of Hazardous Materials Safety (OHMS) by transportation category type (Air, Highway, Rail and Water). The OHMS Incident Report Database from 2010 to 2018 indicated 2,153 reported incidents within Kansas Region L for the period 2000 through 2018. The following charts detail the number of events per year per transportation category.

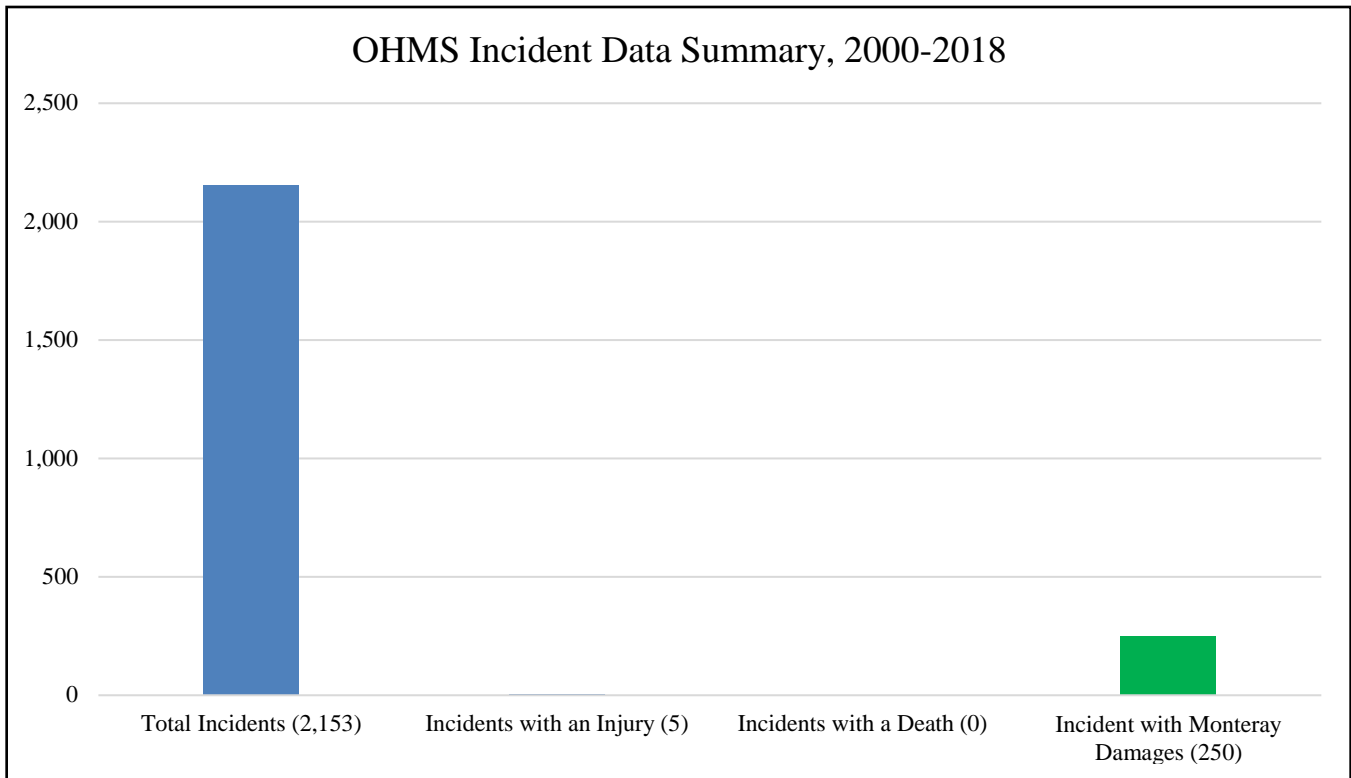
Table 4.76: Kansas Region L OHMS HazMat Incidents, 2000-2018

Jurisdiction	Highway	Air	Rail	Damages	Injuries	Deaths
Johnson County						
Edgerton	6	0	0	\$501	0	0
Leawood	1	0	0	\$235,200	0	0
Lenexa	781	27	0	\$3,500	1	0
Mission	1	0	0		0	0
Olathe	10	0	0	\$379,409	0	0
Overland Park	3	0	0	\$3,500	0	0
Shawnee	363	1	0	\$18,150	2	0
Leavenworth County						
Lansing	1	0	0	\$0	0	0
Tonganoxie	1	0	0	\$0	0	0
Wyandotte County						
Edwardsville	352	0	0	\$1,200	0	0
Kansas City	563	5	41	\$737,420	2	0

Source: PHMSA OHMS

The following chart summarizes all reported PHMSA OHMS incidents, including number of deaths and injuries.





Data from PHMSA provides significant incident reports for the pipeline systems in the Kansas Region L. Data from the period 2013 to 2017 indicate that there were ten pipeline incidents that no fatalities, no injuries and \$2,209,467 in damages. The following table details reported pipeline incident details for each county with a reported event.

Table 4.77: Kansas Region L PHMSA Reported Pipeline Incidents by County, 2013 to 2017

County	Number of Incidents	Fatalities	Injuries	Total Damage	Gross Barrels Spilled
Johnson	5	0	0	\$1,910,024	8
Leavenworth	2	0	1	\$38,300	3
Wyandotte	3	0	0	\$261,143	309

Source: PHMSA

4.13.3 – Hazard Probability Analysis

HazMat incidents are not predictable. However, probabilities can be estimated using past occurrence data as a guide.

The following tables summarize occurrence data and probability for **fixed facility related HazMat events** for **Johnson County** using data from KDEM.



**Table 4.78: Johnson County KDEM Fixed Facility Reported
HazMat Incident Probability Summary**

Data	Recorded Impact
Number of Reported Events (2013-2015)	9
Average Events per Year	3
Number of Reported Deaths (2013-2015)	0
Average Deaths per Year	0
Number of Reported Injuries (2013-2015)	0
Average Injuries per Year	0
Total Number of Evacuated People (2013-2015)	21
Average Number of Evacuated People per Year	7

Source: KDEM

Data indicates that Johnson County can expect on a yearly basis, relevant to fixed facility related HazMat events:

- Three events
- No deaths or injuries
- Seven persons evacuated

The following tables summarize occurrence data and probability for **fixed facility related HazMat events** for **Leavenworth County** using data from KDEM.

**Table 4.79: Leavenworth County KDEM Fixed Facility Reported
HazMat Incident Probability Summary**

Data	Recorded Impact
Number of Reported Events (2013-2015)	4
Average Events per Year	1
Number of Reported Deaths (2013-2015)	0
Average Deaths per Year	0
Number of Reported Injuries (2013-2015)	0
Average Injuries per Year	0
Total Number of Evacuated People (2013-2015)	12
Average Number of Evacuated People per Year	4

Source: KDEM

Data indicates that Leavenworth County can expect on a yearly basis, relevant to fixed facility related HazMat events:

- One event
- No deaths or injuries
- Four persons evacuated

The following tables summarize occurrence data and probability for **fixed facility related HazMat events** for **Wyandotte County** using data from KDEM.



Table 4.80: Wyandotte County KDEM Fixed Facility Reported HazMat Incident Probability Summary

Data	Recorded Impact
Number of Reported Events (2013-2015)	19
Average Events per Year	6
Number of Reported Deaths (2013-2015)	0
Average Deaths per Year	0
Number of Reported Injuries (2013-2015)	0
Average Injuries per Year	0
Total Number of Evacuated People (2013-2015)	15
Average Number of Evacuated People per Year	5

Source: KDEM

Data indicates that Wyandotte County can expect on a yearly basis, relevant to fixed facility related HazMat events:

- Six events
- No deaths or injuries
- Five persons evacuated

The following tables summarize occurrence data and probability for **transportation related HazMat** events for **Johnson County** using data from OHMS.

Table 4.81: Johnson County Transportation HazMat Incident Probability Summary

Data	Recorded Impact
Number of Reported Events (2010-2018)	1,188
Average Events per Year	132
Number of Reported Deaths (2010-2018)	0
Average Deaths per Year	0
Number of Reported Injuries (2010-2018)	3
Average Injuries per Year	<1
Monetary Damages (2010-2018)	\$640,260
Average Monetary Damages per Year	\$71,140

Source: PHMSA

Data indicates that Johnson County can expect on a yearly basis, relevant to transportation related HazMat events:

- 133 events
- No deaths
- Less than one injury
- \$71,140 in monetary damages

The following tables summarize occurrence data and probability for **transportation related HazMat** events for **Leavenworth County** using data from OHMS.



Table 4.82: Leavenworth County Transportation HazMat Incident Probability Summary

Data	Recorded Impact
Number of Reported Events (2010-2018)	2
Average Events per Year	<1
Number of Reported Deaths (2010-2018)	0
Average Deaths per Year	0
Number of Reported Injuries (2010-2018)	0
Average Injuries per Year	0
Monetary Damages (2010-2018)	\$0
Average Monetary Damages per Year	\$0

Source: PHMSA

Data indicates that Leavenworth County can expect on a yearly basis, relevant to transportation related HazMat events:

- <1 event
- No deaths or injuries
- No monetary damages

The following tables summarize occurrence data and probability for **transportation related HazMat** events for **Wyandotte County** using data from OHMS.

Table 4.83: Wyandotte County Transportation HazMat Incident Probability Summary

Data	Recorded Impact
Number of Reported Events (2010-2018)	963
Average Events per Year	107
Number of Reported Deaths (2010-2018)	0
Average Deaths per Year	0
Number of Reported Injuries (2010-2018)	2
Average Injuries per Year	<1
Monetary Damages (2010-2018)	\$738,620
Average Monetary Damages per Year	\$82,069

Source: PHMSA

Data indicates that Wyandotte County can expect on a yearly basis, relevant transportation related HazMat events:

- 107 events
- No deaths
- Less than one injury
- \$82,069 in monetary damages

The following table summarizes PHMSA’s OHMS data for **pipeline related HazMat** events for **Johnson County** for the period 2013 through 2017.



Table 4.84: Johnson County Pipeline HazMat Incident Probability Summary

Data	Recorded Impact
Number of Reported Events (2013-2017)	5
Average Events per Year	1
Number of Reported Deaths (2013-2017)	0
Average Deaths per Year	0
Number of Reported Injuries (2013-2017)	0
Average Injuries per Year	0
Monetary Damages (2013-2017)	\$1,910,024
Average Monetary Damages per Year	\$382,005

Source: PHMSA

Data indicates that Johnson County can expect on a yearly basis, relevant to pipeline related HazMat events:

- One event
- No deaths or injuries
- \$382,005 in monetary damages

The following table summarizes PHMSA’s OHMS data for **pipeline related HazMat events** for **Leavenworth County** for the period 2013 through 2017.

Table 4.85: Leavenworth County Pipeline HazMat Incident Probability Summary

Data	Recorded Impact
Number of Reported Events (2013-2017)	2
Average Events per Year	<1
Number of Reported Deaths (2013-2017)	0
Average Deaths per Year	0
Number of Reported Injuries (2013-2017)	0
Average Injuries per Year	0
Monetary Damages (2013-2017)	\$38,300
Average Monetary Damages per Year	\$7,660

Source: PHMSA

Data indicates that Leavenworth County can expect on a yearly basis, relevant to pipeline related HazMat events:

- Less than one event
- No deaths or injuries
- \$7,660 in monetary damages

The following table summarizes PHMSA’s OHMS data for **pipeline related HazMat events** for **Wyandotte County** for the period 2013 through 2017.



Table 4.86: Wyandotte County Pipeline HazMat Incident Probability Summary

Data	Recorded Impact
Number of Reported Events (2013-2017)	3
Average Events per Year	<1
Number of Reported Deaths (2013-2017)	0
Average Deaths per Year	0
Number of Reported Injuries (2013-2017)	0
Average Injuries per Year	0
Monetary Damages (2013-2017)	\$261,143
Average Monetary Damages per Year	\$52,229

Source: PHMSA

Data indicates that Wyandotte County can expect on a yearly basis, relevant to pipeline related HazMat events:

- Less than one event
- No deaths or injuries
- \$52,229 in monetary damages

While National Priority List (Superfund) sites have been identified by the EPA as requiring cleanup, the probability of an incident endangering the public from these sites is low due to active identification and remediation measures.

4.13.4 – Vulnerability Analysis

Special populations are particularly vulnerable to the impacts of a hazardous materials incident because of the potential difficulties involved in the evacuation. The following table details the number of special population facilities in each Kansas Region L county located within ½ mile of a chemical facility. The locations of colleges, educational and correctional institution facilities is from the Kansas Data Access & Support Center, health facilities data is from HAZUS, aging facilities is from KDEM and child care facilities is from KDHE.

**Table 4.87: Kansas Region L Special Population Facilities
Within 0.5 Miles of a Chemical Facility**

County	Health Facilities	Colleges	Educational Facilities	Aging Facilities	Child Care	Correctional Institutions
Johnson	4	14	53	37	340	5
Leavenworth	1	1	12	2	31	2
Wyandotte	2	2	33	3	102	5

Source: KDEM

Building and structure vulnerability for each county is a function of the following component parts:

- Building and structure change over time
- Building and structure density



Counties with a high and/ or growing number of structures may be at increased risk.

It is worth highlighting all Kansas Region L counties may have increased vulnerability to HazMat events due to a projected increase in the number of structures.

Counties with a high population and/or a growing population may be at increased risk.

Table 4.88: Kansas Region L Population Vulnerability Data for HazMat Event

County	2017 Population	Percent Population Change 2000 to 2017
Johnson	591,178	31.06%
Leavenworth	81,095	18.06%
Wyandotte	165,288	4.69%

Source: US Census Bureau

4.24.5 – Impact and Consequence Analysis

As per EMAP requirements, the following table provides the Consequence Analysis.

Table 4.89: HazMat Incident Consequence Analysis

Subject	Impacts of Hazardous Materials Incident
Health and Safety of Persons in the Area of the Incident	Impact in the immediate area could be severe and long lasting.
Responders	Impact to responders is expected to be moderate to severe, potentially even with required safety equipment.
Continuity of Operations	Long term relocation may be necessary if government facilities experience contamination or damage.
Property, Facilities, and Infrastructure	Localized impact could be severe in the incident area. Facilities may need to be abandoned and razed. Large areas may become inaccessible.
Environment	Impact could be severe for the immediate area. Impact will lessen with distance. The proximity of open bodies of water could compound the impact.
Economic Conditions	Local economy and finances may be adversely affected, depending on the nature, extent and duration of the event.
Public Confidence in Governance	Response and recovery will be in question if not timely and effective. Warning systems and the timeliness of those warnings could be questioned.



4.14 – Wildfire

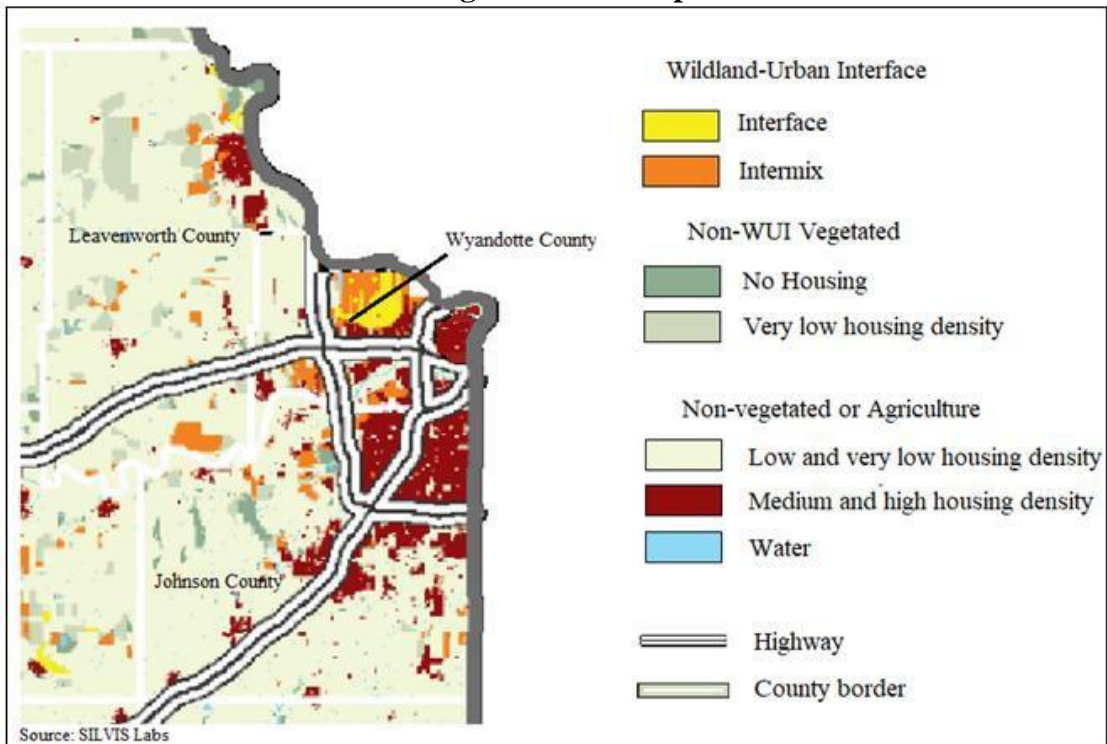
The NWS defines a wildfire as any free burning uncontrollable wildland fire not prescribed for the area which consumes the natural fuels and spreads in response to its environment. They can occur naturally, by human accident, and on rare occasions by human action. Population de-concentration in the U.S. has resulted in rapid development in the outlying fringe of metropolitan areas and in rural areas with attractive recreational and aesthetic amenities, especially forests. This expansion has increased the likelihood that wildfires will threaten life and property.



4.14.1 – Location and Extent

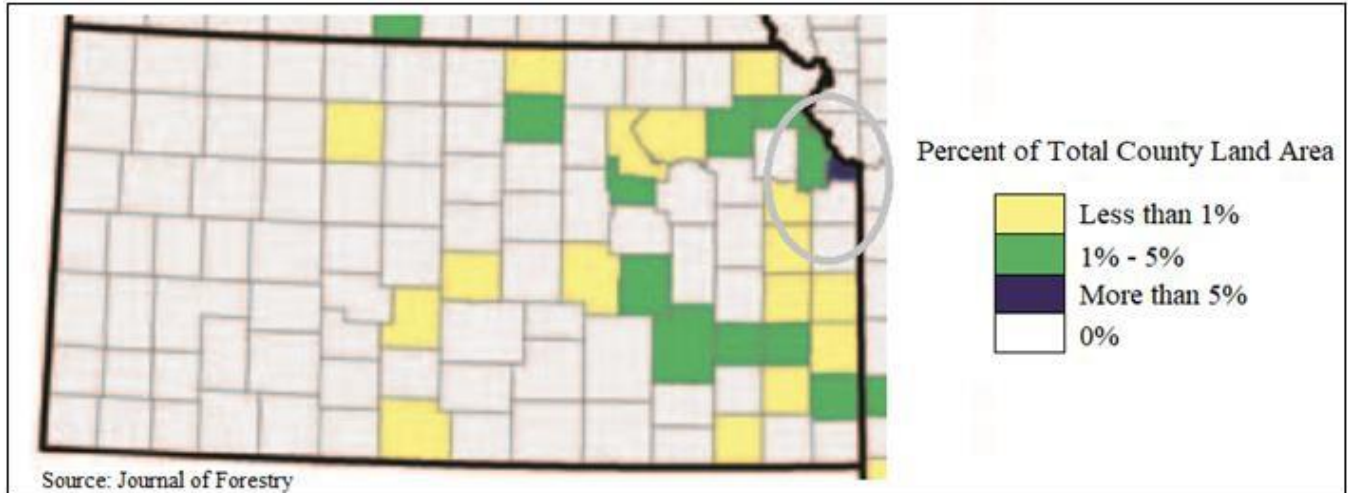
Wildfires in Kansas Region L typically originate in pasture or prairie areas following the ignition of dry grasses (by natural or human sources). According to the 2011 Kansas Forest Action Plan, with the exception of Eastern Redcedar, most forest types in Kansas do not pose significant fire management issues. However, grasslands, which make up a majority of the open areas in Kansas Region L, do pose fire management issues due to the expansion of the Wildland Urban Interface (WUI) in recent decades. The WUI creates an environment in which fire can move readily between structural and vegetation fuels. Two types of WUI are mapped: intermixed and interface. Intermix WUI are areas where housing and vegetation intermingle; interface WUI are areas with housing in the vicinity of dense, contiguous wildland vegetation. The following maps detail WUI areas and information for Kansas Region L.

Regional WUI Map



The Eastern Redcedar is of concern to Kansas Region L. This invasive evergreen species can take over fence rows and un-planted fields, adding to wildfire fuel and risk. The following 2012 map, from the Journal of Forestry, indicates the percent of the total regional acreage impacted by Eastern Redcedar.

Percentage of Region Land Area Covered by Eastern Redcedar



4.14.2 – Previous Occurrences

The Office of the State of Kansas Fire Marshall’s Office (KSFM) was contacted concerning the size and origin of reported wildfires for the region. The following table lists all recorded wildfires, by county, for the six-year period 2013-2018 (currently available data).

Table 4.90: Johnson County State Fire Marshall Recorded Wildfire Events, 2013-2018

County	City	Year	Incident Description	Deaths	Injuries	Buildings Burned	Burned Acres
Johnson	Paola	2013	Brush, or brush and grass mixture fire	0	0	0	10
Johnson	Spring Hill	2013	Brush, or brush and grass mixture fire	0	0	0	10
Johnson	Olathe	2013	Grass fire	0	0	0	10
Johnson	Gardner	2014	Brush, or brush and grass mixture fire	0	0	0	10
Johnson	Gardner	2014	Grass fire	0	0	0	10
Johnson	Gardner	2014	Grass fire	0	0	1	18
Johnson	Bucyrus	2014	Grass fire	0	0	0	20
Johnson	Lenexa	2014	Grass fire	0	0	0	20
Johnson	Spring Hill	2014	Brush, or brush and grass mixture fire	0	0	0	60
Johnson	Stilwell	2015	Grass fire	0	0	0	10
Johnson	Olathe	2015	Grass fire	0	0	0	10
Johnson	Hillsdale	2015	Brush, or brush and grass mixture fire	0	0	0	10
Johnson	Stilwell	2015	Grass fire	0	0	0	20



County	City	Year	Incident Description	Deaths	Injuries	Buildings Burned	Burned Acres
Johnson	Edgerton	2015	Grass fire	0	0	0	20
Johnson	Spring Hill	2015	Brush, or brush and grass mixture fire	0	0	0	30
Johnson	Spring Hill	2015	Grass fire	0	0	0	60
Johnson	Olathe	2015	Grass fire	0	0	0	60
Johnson	Spring Hill	2015	Grass fire	0	0	0	80
Johnson	Spring Hill	2015	Grass fire	0	0	0	80
Johnson	Spring Hill	2015	Grass fire	0	0	0	80
Johnson	Hillsdale	2015	Brush, or brush and grass mixture fire	0	0	0	250
Johnson	Edgerton	2016	Brush, or brush and grass mixture fire	0	0	0	10
Johnson	Bucyrus	2016	Grass fire	0	0	0	15
Johnson	Olathe	2016	Grass fire	0	0	0	45
Johnson	Edgerton	2017	Brush, or brush and grass mixture fire	0	0	0	10
Johnson	Edgerton	2017	Brush, or brush and grass mixture fire	0	0	0	15
Johnson	Gardner	2017	Grass fire	0	0	0	20
Johnson	Spring Hill	2017	Grass fire	0	0	0	25
Johnson	Gardner	2017	Brush, or brush and grass mixture fire	0	0	0	30
Johnson	Hillsdale	2017	Brush, or brush and grass mixture fire	0	0	0	60
Johnson	Hillsdale	2017	Grass fire	0	0	0	80
Johnson	Hillsdale	2018	Brush, or brush and grass mixture fire	0	0	0	10
Johnson	DeSoto	2018	Grass fire	0	0	0	10
Johnson	Edgerton	2018	Brush, or brush and grass mixture fire	0	0	0	10
Johnson		2018	Grass fire	0	0	0	10
Johnson	Spring Hill	2018	Grass fire	0	0	0	10
Johnson	Bucyrus	2018	Grass fire	0	0	0	12
Johnson	Chiles	2018	Grass fire	0	0	0	12
Johnson	Bucyrus	2018	Brush, or brush and grass mixture fire	0	0	0	15
Johnson	Bucyrus	2018	Brush, or brush and grass mixture fire	0	0	0	15
Johnson	Shawnee	2018	Grass fire	0	0	0	15.5
Johnson	Spring Hill	2018	Brush, or brush and grass mixture fire	0	0	0	16
Johnson	Hillsdale	2018	Grass fire	0	0	0	20
Johnson	Johnson County	2018	Brush, or brush and grass mixture fire	0	0	0	20
Johnson	Olathe	2018	Grass fire	0	0	0	20



County	City	Year	Incident Description	Deaths	Injuries	Buildings Burned	Burned Acres
Johnson	Johnson County	2018	Natural vegetation fire, other	0	0		25
Johnson	Overland Park	2018	Grass fire	0	0	0	27
Johnson	Johnson County	2018	Brush, or brush and grass mixture fire	0	0	0	30
Johnson	Gardner	2018	Brush, or brush and grass mixture fire	0	0	0	30
Johnson	Miami County	2018	Brush, or brush and grass mixture fire	0	0	0	50
Johnson	Johnson County	2018	Natural vegetation fire, other	0	0	0	80
Johnson	Olathe	2018	Brush, or brush and grass mixture fire	0	0	0	80

Source: KSFM

Table 4.91: Leavenworth County State Fire Marshall Recorded Wildfire Events, 2013-2018

County	City	Year	Incident Description	Deaths	Injuries	Buildings Burned	Burned Acres
Leavenworth	Linwood	2013	Brush, or brush and grass mixture fire	0	0	0	10
Leavenworth	Tonganoxie	2013	Brush, or brush and grass mixture fire	0	0	0	10
Leavenworth	Tonganoxie	2013	Brush, or brush and grass mixture fire	0	0	0	25
Leavenworth	Tonganoxie	2014	Brush, or brush and grass mixture fire	0	0	0	10
Leavenworth	Bonner Springs	2014	Brush, or brush and grass mixture fire	0	0	0	10
Leavenworth	Basehor	2014	Brush, or brush and grass mixture fire	0	0	0	10
Leavenworth	Basehor	2014	Brush, or brush and grass mixture fire	0	0	0	15
Leavenworth	Easton Twp.	2014	Grass fire	0	0	1	20
Leavenworth	Easton Twp.	2014	Brush, or brush and grass mixture fire	0	0	0	25
Leavenworth	Easton Twp.	2014	Brush, or brush and grass mixture fire	0	0	0	25
Leavenworth	Easton Twp.	2014	Brush, or brush and grass mixture fire	0	0	0	25
Leavenworth	Easton Twp.	2014	Brush, or brush and grass mixture fire	0	0	0	25
Leavenworth	Leavenworth	2014	Grass fire	0	0	0	30
Leavenworth	Leavenworth	2014	Brush, or brush and grass mixture fire	0	0	0	50
Leavenworth	Linwood	2014	Brush, or brush and grass mixture fire	0	0	0	50
Leavenworth	Tonganoxie	2014	Brush, or brush and grass mixture	0	0	0	50



County	City	Year	Incident Description	Deaths	Injuries	Buildings Burned	Burned Acres
Leavenworth	Leavenworth	2014	Brush, or brush and grass mixture fire	0	0	0	75
Leavenworth	Lawrence	2014	Grass fire	0	0	0	100
Leavenworth	Easton Twp.	2014	Brush, or brush and grass mixture fire	0	0	0	250
Leavenworth	Reno Twp.	2015	Brush, or brush and grass mixture fire	0	0	0	10
Leavenworth	McLouth	2015	Grass fire	0	0	0	10
Leavenworth	Tonganoxie	2015	Grass fire	0	0	0	10
Leavenworth	Tonganoxie	2015	Grass fire	0	0	0	10
Leavenworth	Tonganoxie	2015	Brush, or brush and grass mixture fire	0	0	0	10
Leavenworth	Tonganoxie	2015	Brush, or brush and grass mixture fire	0	0	0	10
Leavenworth	Leavenworth	2015	Brush, or brush and grass mixture fire	0	0	0	10
Leavenworth	Tonganoxie	2015	Brush, or brush and grass mixture fire	0	0	0	10
Leavenworth	Sherman (Township of)	2015	Brush, or brush and grass mixture fire	0	0	0	15
Leavenworth	Sherman (Township of)	2015	Brush, or brush and grass mixture fire	0	0	0	15
Leavenworth	Leavenworth	2015	Grass fire	0	0	0	15
Leavenworth	Easton Twp.	2015	Grass fire	0	0	0	15
Leavenworth	Leavenworth	2015	Grass fire	0	0	0	15
Leavenworth	Linwood	2015	Brush, or brush and grass mixture fire	0	0	0	15
Leavenworth	Tonganoxie	2015	Grass fire	0	0	0	15
Leavenworth	Tonganoxie	2015	Grass fire	0	0	0	15
Leavenworth	Easton Twp.	2015	Grass fire	0	0	0	15
Leavenworth	Easton Twp.	2015	Grass fire	0	0	0	15
Leavenworth	Basehor	2015	Brush, or brush and grass mixture fire	0	0	0	18
Leavenworth	Tonganoxie	2015	Brush, or brush and grass mixture fire	0	0	0	20
Leavenworth	Tonganoxie	2015	Brush, or brush and grass mixture fire	0	0	0	20
Leavenworth	McLouth	2015	Brush, or brush and grass mixture fire	0	0	0	20
Leavenworth	Easton Twp.	2015	Grass fire	0	0	0	25
Leavenworth	Reno Twp.	2015	Brush, or brush and grass mixture fire	0	0	0	25
Leavenworth	Tonganoxie	2015	Brush, or brush and grass mixture fire	0	0	0	25
Leavenworth	Easton	2015	Grass fire	0	0	0	25
Leavenworth	Easton Twp.	2015	Grass fire	0	0	0	30



County	City	Year	Incident Description	Deaths	Injuries	Buildings Burned	Burned Acres
Leavenworth	McLouth	2015	Grass fire	0	0	0	30
Leavenworth	Tonganoxie	2015	Grass fire	0	0	0	30
Leavenworth	Easton Twp.	2015	Grass fire	0	0	0	30
Leavenworth	Tonganoxie	2015	Grass fire	0	0	0	30
Leavenworth	Tonganoxie	2015	Brush, or brush and grass mixture fire	0	0	0	30
Leavenworth	Linwood	2015	Brush, or brush and grass mixture fire	0	0	0	30
Leavenworth	Linwood	2015	Brush, or brush and grass mixture fire	0	0	0	30
Leavenworth	Easton Twp.	2015	Grass fire	0	0	0	30
Leavenworth	Easton Twp.	2015	Brush, or brush and grass mixture fire	0	0	0	30
Leavenworth	Easton Twp.	2015	Brush, or brush and grass mixture fire	0	0	0	30
Leavenworth	Sherman (Township of)	2015	Brush, or brush and grass mixture fire	0	0	0	39
Leavenworth	Linwood	2015	Brush, or brush and grass mixture fire	0	0	0	65
Leavenworth	Tonganoxie	2015	Brush, or brush and grass mixture fire	0	0	0	80
Leavenworth	Easton Twp.	2015	Grass fire	0	0	0	300
Leavenworth	Easton Twp.	2015	Grass fire	0	0	0	400
Leavenworth	Easton Twp.	2015	Brush, or brush and grass mixture fire	0	0	0	450
Leavenworth	Tonganoxie	2016	Brush, or brush and grass mixture fire	0	0	0	10
Leavenworth	Leavenworth	2016	Brush, or brush and grass mixture fire	0	0	0	10
Leavenworth	Basehor	2016	Brush, or brush and grass mixture fire	0	0	0	10
Leavenworth	Leavenworth	2016	Grass fire	0	0	0	11
Leavenworth	Tonganoxie	2016	Brush, or brush and grass mixture fire	0	0	0	15
Leavenworth	Leavenworth	2016	Brush, or brush and grass mixture fire	0	0	0	15
Leavenworth	Reno Twp.	2016	Natural vegetation fire, other	0	0	0	20
Leavenworth	Reno Twp.	2016	Grass fire	0	0	0	20
Leavenworth	Reno Twp.	2016	Brush, or brush and grass mixture fire	0	0	0	30
Leavenworth	Tonganoxie	2016	Brush, or brush and grass mixture fire	0	0	0	30
Leavenworth	Easton Twp.	2016	Grass fire	0	0	0	30
Leavenworth	Reno Twp.	2016	Grass fire	0	0	0	50
Leavenworth	Leavenworth	2016	Grass fire	0	0	0	50



County	City	Year	Incident Description	Deaths	Injuries	Buildings Burned	Burned Acres
Leavenworth	Reno Twp.	2016	Brush, or brush and grass mixture fire	0	1	0	350
Leavenworth	McLouth	2017	Grass fire	0	0	0	10
Leavenworth	Leavenworth	2017	Grass fire	0	0	0	10
Leavenworth	Tonganoxie	2017	Brush, or brush and grass mixture fire	0	0	0	10
Leavenworth	Tonganoxie	2017	Brush, or brush and grass mixture fire	0	0	0	10
Leavenworth	Alexandria (Township)	2017	Grass fire	0	0	0	15
Leavenworth	Easton Twp.	2017	Grass fire	0	0	0	20
Leavenworth	Tonganoxie (Township)	2017	Brush, or brush and grass mixture fire	0	0	0	20
Leavenworth	Tonganoxie	2017	Brush, or brush and grass mixture fire	0	1	0	20
Leavenworth	Leavenworth	2017	Brush, or brush and grass mixture fire	0	0	0	20
Leavenworth	Tonganoxie	2017	Brush, or brush and grass mixture fire	0	0	0	20
Leavenworth	Sherman (Township of)	2017	Cultivated grain or crop fire	0	0	0	20
Leavenworth	Tonganoxie	2017	Brush, or brush and grass mixture fire	0	0	0	25
Leavenworth	Leavenworth	2017	Grass fire	0	0	0	30
Leavenworth	Lansing	2017	Brush, or brush and grass mixture fire	0	0	0	35
Leavenworth	Easton Twp.	2017	Grass fire	0	0	0	60
Leavenworth	Tonganoxie	2018	Brush, or brush and grass mixture fire	0	0	0	10
Leavenworth	Leavenworth	2018	Grass fire	0	0	0	10
Leavenworth	Leavenworth	2018	Grass fire	0	0	0	10
Leavenworth	Reno Twp.	2018	Brush, or brush and grass mixture fire	0	0	0	10
Leavenworth	Reno Twp.	2018	Grass fire	0	0	0	10
Leavenworth	Easton	2018	Grass fire	0	0	0	12
Leavenworth	Tonganoxie	2018	Brush, or brush and grass mixture fire	0	0	0	15
Leavenworth	Tonganoxie	2018	Brush, or brush and grass mixture fire	0	0	0	15
Leavenworth	Tonganoxie	2018	Brush, or brush and grass mixture fire	0	0	0	15
Leavenworth	Leavenworth	2018	Grass fire	0	0	0	15
Leavenworth	Eudora	2018	Natural vegetation fire, other	0	0	0	15
Leavenworth	Basehor	2018	Brush, or brush and grass mixture fire	0	0	0	20



County	City	Year	Incident Description	Deaths	Injuries	Buildings Burned	Burned Acres
Leavenworth	Tonganoxie	2018	Brush, or brush and grass mixture fire	0	0	0	20
Leavenworth	Easton	2018	Grass fire	0	0	0	25
Leavenworth	Sherman (Township of)	2018	Brush, or brush and grass mixture fire	0	0	0	30
Leavenworth	Sherman (Township of)	2018	Grass fire	0	0	0	30
Leavenworth	Reno Twp.	2018	Forest, woods or wildland fire	0	0	0	30
Leavenworth	Leavenworth	2018	Grass fire	0	0	0	50
Leavenworth	Leavenworth	2018	Natural vegetation fire, other	0	0	0	52
Leavenworth	Easton	2018	Grass fire	0	0	0	75
Leavenworth	Easton	2018	Grass fire	0	0	0	100
Leavenworth	Basehor	2018	Brush, or brush and grass mixture fire	0	0	0	200

Source: KSFM

Table 4.92: Wyandotte County State Fire Marshall Recorded Wildfire Events, 2013-2018

County	City	Year	Incident Description	Deaths	Injuries	Buildings Burned	Burned Acres
Wyandotte	Kansas City	2014	Grass fire	0	0	0	10
Wyandotte	Kansas City	2014	Brush, or brush and grass mixture fire	0	0	0	10
Wyandotte	Kansas City	2015	Brush, or brush and grass mixture fire	0	0	0	10
Wyandotte	Bonner Springs	2015	Grass fire	0	0	0	10.3
Wyandotte	Kansas City	2015	Brush, or brush and grass mixture fire	0	2	0	300
Wyandotte	Kansas City	2017	Brush, or brush and grass mixture fire	0	0	0	10
Wyandotte	Kansas City	2017	Brush, or brush and grass mixture fire	0	0	0	15
Wyandotte	Bonner Springs	2017	Grass fire	0	2	0	30
Wyandotte	Kansas City	2017	Grass fire	0	0	0	40
Wyandotte	Kansas City	2018	Brush, or brush and grass mixture fire	0	0	0	10
Wyandotte	Kansas City	2018	Brush, or brush and grass mixture fire	0	0	0	25

Source: KSFM

Available crop loss data from the USDA Risk Management Agency detailing cause of loss was researched to determine the financial impacts of wildfires on the region's agricultural base. Crop loss data for the years 2014- 2018 (with 2014 and 2018 being full data years), for the region, indicates no wildfire related claims.



Table 4.93: USDA Risk Management Agency Cause of Loss Indemnities 2014-2018, Wildfires

County	Number of Reported Claims	Acres Lost	Total Amount of Loss
Johnson	0	0	\$0
Leavenworth	0	0	\$0
Wyandotte	0	0	\$0

Source: USDA

4.14.3 – Hazard Probability Analysis

The following table summarizes wildfire probability data for **Johnson County**.

Table 4.94: Johnson County Wildfire Probability Summary

Data	Recorded Impact
Number of KSFM Reported Events (2013-2018)	51
Average Events per Year	6
Number Deaths or Injuries (2013-2018)	0
Average Number of Yearly Deaths and Injuries (2013-2018)	0
Total Reported Burned Buildings (2013-2018)	1
Average Burned Buildings per Year	<1
Total Reported Burned Acres (2013-2018)	1,705
Average Burned Acres per Year	285
USDA Farm Service Agency Number of Crop Damage Claims (2014-2018)	0
Average Number of Claims per Year	0
USDA Farm Service Agency Number of Acres Damaged (2014-2018)	0
Average Number of Acres Damaged per Year	0
USDA Farm Service Agency Crop Damage Claims Amount (2014-2018)	\$0
Average Crop Damage per Year	\$0

Source: KSFM and NOAA

Data from the KSFM indicates that Johnson County can expect on a yearly basis, relevant to wildfire events:

- Six events
- No deaths or injuries
- <1 building burned
- 285 acres burned

According to the USDA Risk Management Agency, Johnson County can expect on a yearly basis, relevant to wildfire occurrences:

- No insurance claims
- No acres impacted
- \$0 in insurance claims

The following table summarizes wildfire probability data for **Leavenworth County**.



Table 4.95: Leavenworth County Wildfire Probability Summary

Data	Recorded Impact
Number of KSFM Reported Events (2013-2018)	112
Average Events per Year	19
Number Deaths or Injuries (2013-2018)	2
Average Number of Yearly Deaths and Injuries (2013-2018)	<1
Total Reported Burned Buildings (2013-2018)	1
Average Burned Buildings per Year	<1
Total Reported Burned Acres (2013-2018)	45,632
Average Burned Acres per Year	772
USDA Farm Service Agency Number of Crop Damage Claims (2014-2018)	0
Average Number of Claims per Year	0
USDA Farm Service Agency Number of Acres Damaged (2014-2018)	0
Average Number of Acres Damaged per Year	0
USDA Farm Service Agency Crop Damage Claims Amount (2014-2018)	\$0
Average Crop Damage per Year	\$0

Source: KSFM and NOAA

Data from the KSFM indicates that Leavenworth County can expect on a yearly basis, relevant to wildfire events:

- Six events
- <1 death or injury
- <1 building burned
- 772 acres burned

According to the USDA Risk Management Agency, Leavenworth County can expect on a yearly basis, relevant to wildfire occurrences:

- No insurance claims
- No acres impacted
- \$0 in insurance claims

The following table summarizes wildfire probability data for **Wyandotte County**.

Table 4.96: Wyandotte County Wildfire Probability Summary

Data	Recorded Impact
Number of KSFM Reported Events (2013-2018)	11
Average Events per Year	2
Number Deaths or Injuries (2013-2018)	4
Average Number of Yearly Deaths and Injuries (2013-2018)	<1
Total Reported Burned Buildings (2013-2018)	0
Average Burned Buildings per Year	0
Total Reported Burned Acres (2013-2018)	470
Average Burned Acres per Year	78
USDA Farm Service Agency Number of Crop Damage Claims (2014-2018)	0
Average Number of Claims per Year	0
USDA Farm Service Agency Number of Acres Damaged (2014-2018)	0



Table 4.96: Wyandotte County Wildfire Probability Summary

Data	Recorded Impact
Average Number of Acres Damaged per Year	0
USDA Farm Service Agency Crop Damage Claims Amount (2014-2018)	\$0
Average Crop Damage per Year	\$0

Source: KSFM and NOAA

Data from the KSFM indicates that Wyandotte County can expect on a yearly basis, relevant to wildfire events:

- Two events
- <1 death or injury
- No buildings burned
- 78 acres burned

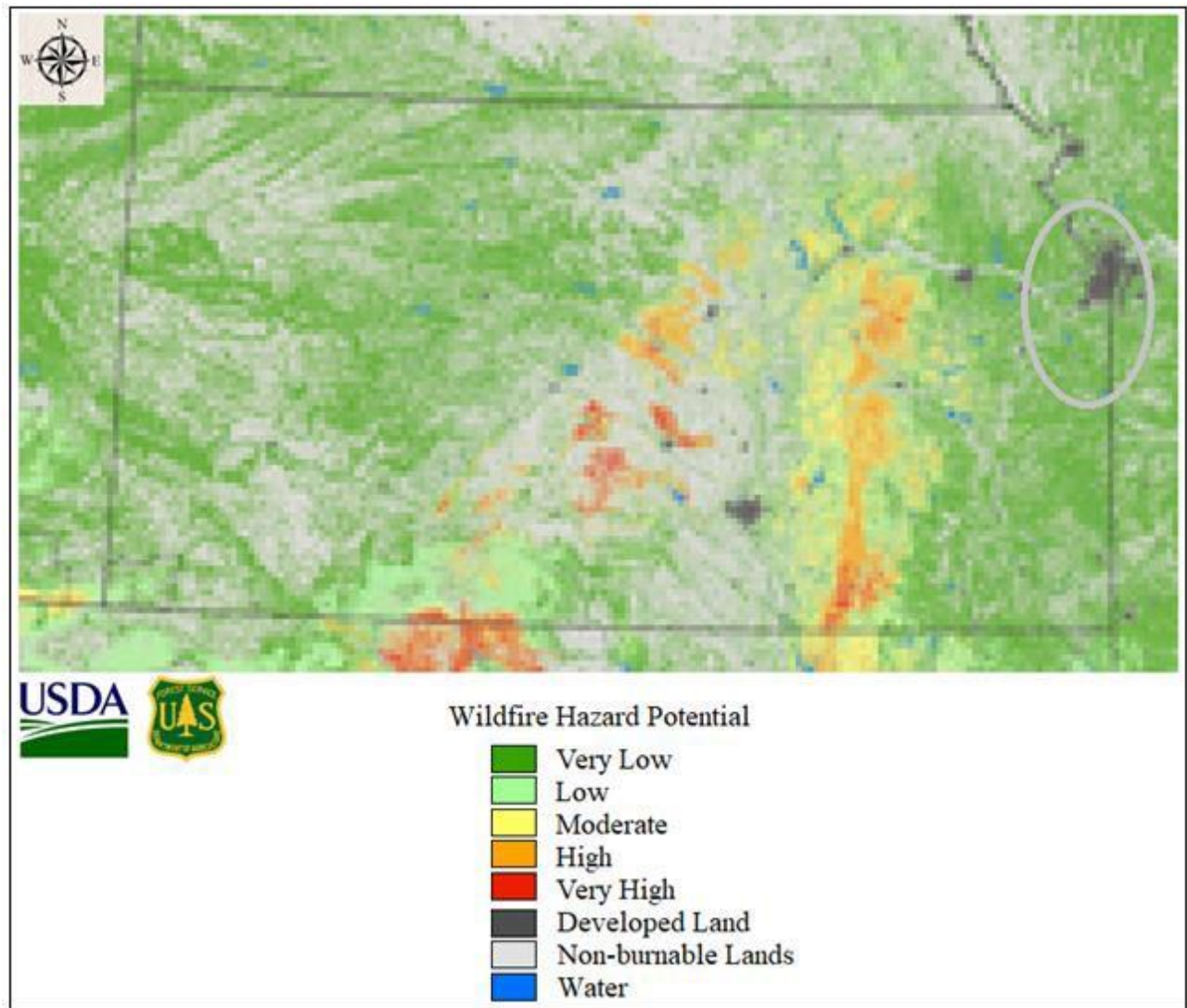
According to the USDA Risk Management Agency, Wyandotte County can expect on a yearly basis, relevant to wildfire occurrences:

- No insurance claims
- No acres impacted
- \$0 in insurance claims

Mapping created by the USDA in 2018 indicates the Wildfire Hazard Potential for the United States. The map indicates that Kansas Region L is the low and very low class.



Wildfire Hazard Potential 2018



4.14.4 – Vulnerability Analysis

For purposes of this assessment, all counties within the region were determined to be at equal risk to wildfire events. Counties with a higher or increasing population, high, or increasing, or having a high structural valuation are to be considered to have a potentially greater vulnerability.

The following table presents data from HAZUS and KSFM concerning the structures and the percentage of structures for each Kansas Region L county incurring damage over the six-year period of 2013 to 2018 (current available data) from wildfire events. As KSFM did not assign a value to the structures burned, an estimate of \$32,000 per structure (value determined using a commercial cost calculator for an 800 square foot general purpose barn at \$40 per square foot) was used as reports indicate the majority of structures burned were farm out-buildings. A greater percentage of damaged structures damaged may indicate a greater potential future vulnerability.



Table 4.97: Kansas Region H Structural Vulnerability Data for Wildfires, 2009-2018

County	HAZUS Building Valuation	KSFM Structure Damage	Percentage of Building Valuation Damaged
Johnson	\$124,279,962,000	\$32,000	0.00003%
Leavenworth	\$13,050,342,000	\$32,000	0.0003%
Wyandotte	\$29,708,946,000	\$0	0.0%

Counties with a high population and/or a growing population may be at increased risk.

Table 4.98: Kansas Region L Population Vulnerability Data for Wildfires

County	2017 Population	Percent Population Change 2000 to 2017
Johnson	591,178	31.06%
Leavenworth	81,095	18.06%
Wyandotte	165,288	4.69%

Source: US Census Bureau

The USDA 2012 Census of Agriculture (the latest available data) provides data on the crop exposure value, the total dollar value of all crops, for each Kansas Region L County. USDA Risk Management Agency crop loss data allows us to quantify the monetary impact of wildfires on the agricultural sector. The higher the percentage loss, the higher potential future vulnerability the county may have to wildfire events.

Table 4.99: Kansas Region L USDA Annual Wildfire Percentage Impact Data, 2014-2018

Jurisdiction	Farm Acreage	Annual Acres Impacted	Annual Percentage of Total Acres Impacted	Market Value of Products Sold	Annualized Crop Insurance Paid	Annual Percentage of Market Value Impacted
Johnson	99,354	0	0.0%	\$24,370,000	\$0	0.0%
Leavenworth	184,471	0	0.0%	\$36,367,000	\$0	0.0%
Wyandotte	12,009	0	0.0%	\$3,291,000	\$0	0.0%

Source: USDA

Potentially lessening future vulnerability to wildfires are Community Wildfire Protection Plans (CWPPs). A CWPP is the most effective way to take advantage of various Federal programs to include the Healthy Forests Restoration Act. By having a CWPP, communities are given priority for funding of Healthy Forests Restoration Act hazardous fuels reduction projects. The three main components of a CWPP are:

- Collaboration between all affected or potentially affected jurisdictions,
- Assessment of the wildfire hazards in an area that leads to recommendation for prioritized fuel reduction, and
- A section on recommendations towards reducing structural ignitability.

Currently Johnson County and Wyandotte County have approved CWPPs.



4.14.5 – Impact and Consequence Analysis

As per EMAP requirements, the following table provides the Consequence Analysis.

Table 4.100: Wildfire Consequence Analysis

Subject	Impacts of Wildfire
Health and Safety of the Public	Impact could be severe for people living and working in the immediate area. Surrounding communities may also be impacted by evacuees.
Health and Safety of Responders	Impact to responders could be severe depending on the size and scope of the fire, especially for firefighters. Impact will be low to moderate for support responders with the main threat as smoke inhalation.
Continuity of Operations	Temporary relocation may be necessary if government facilities experience damage.
Property, Facilities, and Infrastructure	Delivery of services could be affected if there is any disruption to the roads and/or utilities due to damages sustained.
Environment	Impact will be severe for the immediate area with regards to trees, bushes, animals, and crops. Impact will lessen as distance increases.
Economic Conditions	Impacts to the economy could be moderate in the immediate area.
Public Confidence in the Jurisdiction’s Governance	Response and recovery will be in question if not timely and effective. Evacuation orders and shelter availability could be called in to question.



4.15 – Civil Disorder

Civil disorder is a term that generally refers to a public disturbance by three or more people involving acts of violence that cause immediate danger, damage, or injury to others or their property. However, it is important to remember that gatherings in protest are recognized rights of any person or group, and this right is protected under the United States Constitution.

4.15.1 – Location and Extent

All participating jurisdictions within Kansas Region L are susceptible to civil disorder. Kansas Region L is the most densely populated portion of Kansas, making it easier for crowds or mobs to gather for a purported cause. Regionally, there are numerous large venues available for large crowds including the Kansas Speedway, the Sprint Center, and ABA sports arenas.

In general, civil unrest usually accompanies, or is started by, a gathering of people for an event. And while most events occur with no violence, violence can occur with little warning or cause. Unfortunately, large crowds can be subject to control by skillful troublemakers who are often able to incite behavior from members of the crowd that they usually would not consider. When a crowd begins to exhibit signs of disorder, it can be categorized in three categories:

- **Public disorder:** Public disorder is a basic breach of civic order. Individuals or small groups assembling tend to disrupt the normal flow of things around them.
- **Public disturbance:** Public disturbance is designed to cause turmoil on top of the disruption. Individuals and groups assembling into a crowd begin chanting, yelling, singing, and voicing individual or collective opinions.
- **Riot:** A riot is a disturbance that turns violent. Assembled crowds become a mob that violently expresses itself by destroying property, assaulting others, and creating an extremely volatile environment.

While civil disorder is not an everyday occurrence in the planning area, when they do occur, they are extremely disruptive and difficult to control. Because Region L, specifically Johnson County, is the most densely populated area in Kansas, it is even more important that pre-planning be considered during events that have large crowd participation. Should a civil disorder event occur in the planning area the result could be measured in loss of life, economic upheaval, and destruction of property.

The following identify specific local concerns related to civil disorder.

- Leavenworth County houses the Leavenworth Federal Penitentiary which has documented protests aimed at subject matter that creates a high emotional impact in various groups. The military presence itself is a deterrent to uncontrolled mobs, however, the risk remains due to the various high-profile inmates that are serving their time there.
- All jurisdictions in Kansas Region L are near the major sporting arenas and entertainment venues of the Kansas City Metro region. As such, major events may result in civil unrest occurrences that could spill over into any participating jurisdiction.



4.15.2 – Previous Occurrences

There have been no documented cases of civil disorder of disorder in Kansas Region L during the past ten years.

4.15.3 – Hazard Probability Analysis

By nature, acts of civil disorder are difficult to foresee. However, the probability of a major civil disorder event in Kansas Region L is considered very low due the lack of any recent documented historical events. Again, it is worth noting that no previous occurrences in no way guarantees no future occurrences.

4.15.4 Vulnerability Analysis

Due to the unknown location and nature of civil disorder, all participating jurisdictions with Kansas Region L are vulnerable. Additionally, and again related to the capricious nature of civil disorder, all buildings and citizens are vulnerable.

Economic impacts and human injury or death are the primary concern with civil disorder. Increases in population or the hosting of major political, economic or social events could increase the likelihood and severity of a civil disturbance.

It is difficult to quantify potential losses of civil disorder due to the many variables and human elements and lack of historical precedence. Therefore, for the purposes of this plan, a **hypothetical scenario** is included for illustrative purposes only.

Event: City organizers set up a two-block long fan zone near the local community sports field for an important sporting event. The population density in the fan zone is 6,000 people, with at least five persons per 25 square feet.

Riot: The riot began to take shape as the game ended, with some spectators throwing bottles and other objects. Small fires were started and soon some rioters overturned a vehicle and set it alight. Fist fights broke out and in a nearby parking lot and two police cars were also set on fire. Riot police eventually managed to disperse the rioters and all fires were extinguished.

Results: The following table presents potential event results:

Table 4.101: Hypothetical Riot Outcomes

Category	Result
Total Traumatic Injuries	250 persons
Total Urgent Care Injuries	1,000 persons
Injuries not Requiring Hospitalization	2,500 persons
Damage to Vehicles	Glass replacement cost for approximately 200 vehicles: \$ 8,000 Repair / repainting cost for approximately 200 vehicles: \$800,000
Damage to Buildings	Window replacement cost for approximately 50 buildings: \$80,000

Source: Kansas State Hazard Mitigation Plan



4.15.5 – Impact and Consequence Analysis

As per EMAP standards, the following table provides the consequence analysis for drought conditions.

Table 4.102: Civil Disorder Consequence Analysis

Subject	Impacts of Civil Disorder
Health and Safety of the Public	Impact could be severe for persons in the incident area.
Health and Safety of Responders	Impact to responders could be severe if not trained and properly equipped. Responders that are properly trained and equipped will have a low to moderate impact.
Continuity of Operations	Depending on damage to facilities/personnel in the incident area, relocation may be necessary and lines of succession execution (minimal to severe).
Property, Facilities, and Infrastructure	Impact within the incident area could be severe, depending on the extent of the event. (minimal to severe)
Environment	Localized impact within the incident area could be severe depending on the type of human caused incident.
Economic Conditions	Economic conditions could be adversely affected and dependent upon time and length of clean up and investigation (minimal to severe).
Public Confidence in the Jurisdiction’s Governance	Impact will be dependent on whether or not the incident could have been avoided by government or non-government entities, clean-up and investigation times, and outcomes. (minimal to severe)



4.16 – Lightning

Lightning is a discharge of atmospheric electricity that is triggered by a buildup of differing charges within a cloud. According to the NWS, lightning is one of the most underrated severe weather hazards and is the second deadliest weather killer in the United States.

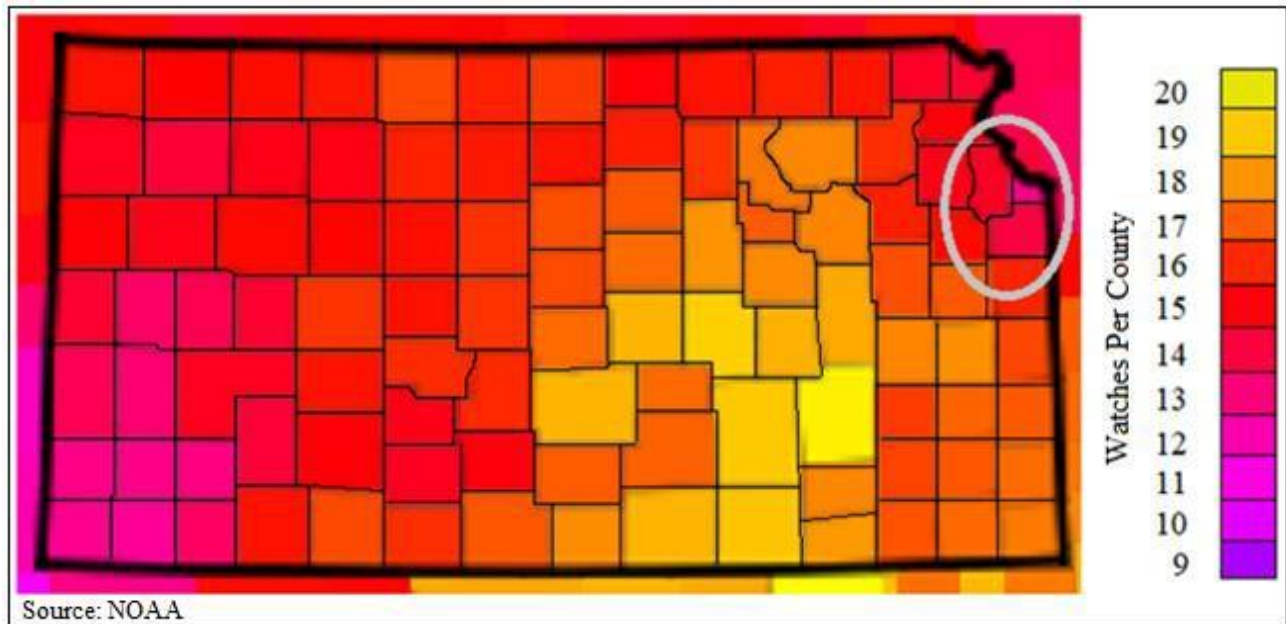


4.16.1 – Location and Extent

Lightning occurs over broad geographic regions. The entire Kansas Region L planning area, including all participating jurisdictions, is at risk to lightning.

Thunderstorms are often the generator of lightning. The following map, generated by NOAA, indicates the average number severe thunderstorm watches per year for Kansas Region L.

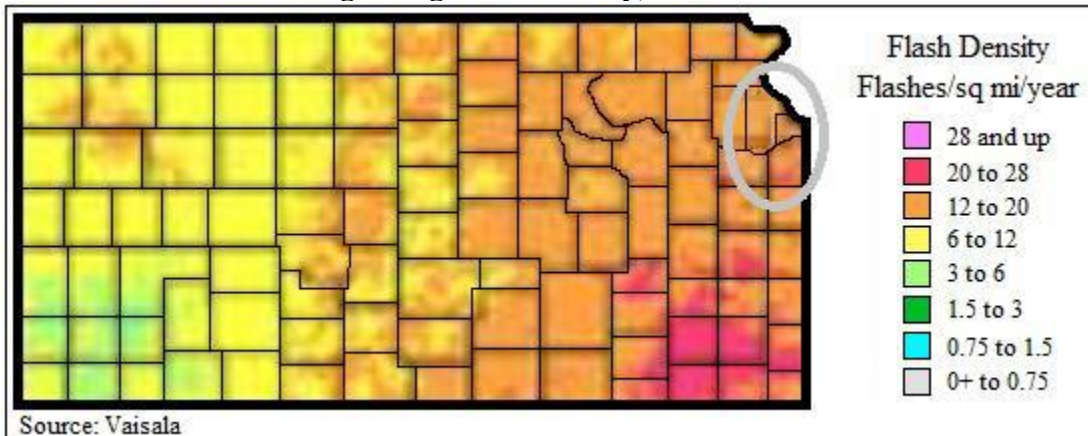
Annual Average Thunderstorm Watches per Year (20-Year Average, 1993-2012)



The following map, generated by Vaisala, indicates the average number of lightning flashes per square mile per year for Kansas Region L. The more recorded flashes the greater the potential for lightning strikes.



Lightning Flash Density, 2008-2017



4.16.2 – Previous Occurrences

In the 20-year period from 1999 to 2018 (with 1999 and 2018 being full data set years), there have been six Presidential Disaster Declarations for the Kansas Region L for severe storms (of which a lightning may be a component). The following 20-year information on past declared disasters is presented to provide a historical perspective on severe storm (and potentially lightning) events that have impacted the Kansas Region L. Declaration numbers in bold indication declared disaster that have occurred since the previous mitigation plan update in 2013.

Table 4.103: FEMA Severe Storm Disaster and Emergency Declarations, 1999 -2018

Declaration Number	Incident Period	Disaster Description	Regional Counties Involved	Dollars Obligated
4347	11/7/2017 (7/22/2017 – 7/27/2017)	Severe Storms, Straight-Line Winds, Flooding	Johnson, Wyandotte	\$6,195,147.97
1699	5/6/2007 (5/4/2007)	Severe Storms, Tornadoes, and Flooding	Leavenworth	\$117,565,269
1615	11/21/2005 (10/1-2/2005)	Severe Storms and Flooding	Leavenworth	\$10,286,064
1562	09/30/2004 (8/27-30/2004)	Severe Storms, Flooding, and Tornadoes	Wyandotte	\$2,103,376
1535	8/3/2004 (6/12-7/25/2004)	Severe Storms, Flooding, and Tornadoes	Wyandotte	\$12,845,892
1462	5/6/2003 (5/4-30/2003)	Severe Storms, Tornadoes, and Flooding	Leavenworth and Wyandotte	\$988,056

Source: FEMA

The following provides details of the single Presidential Disaster Declaration for Kansas Region L related to severe storms (and potentially lightning) since the last plan update in 2013.



**Kansas – Severe Storms, Straight-Line Winds, and Flooding
FEMA-4347-DR**

Declared November 7, 2017

On August 31, 2017, Governor Sam Brownback requested a major disaster declaration due to severe storms, straight-line winds, and flooding during the period of July 22-27, 2017. The Governor requested a declaration for Public Assistance for two counties and Hazard Mitigation statewide. During the period of August 18-24, 2017, joint federal, state, and local government Preliminary Damage Assessments (PDAs) were conducted in the requested counties and are summarized below. PDAs estimate damages immediately after an event and are considered, along with several other factors, in determining whether a disaster is of such severity and magnitude that effective response is beyond the capabilities of the state and the affected local governments, and that Federal assistance is necessary.

On November 7, 2017, President Trump declared that a major disaster exists in the State of Kansas. This declaration made Public Assistance requested by the Governor available to state and eligible local governments and certain private nonprofit organizations on a cost-sharing basis for emergency work and the repair or replacement of facilities damaged by the severe storms, straight-line winds, and flooding in Johnson and Wyandotte Counties. This declaration also made Hazard Mitigation Grant Program assistance requested by the Governor available for hazard mitigation measures statewide.

In addition to the above reported events, the following table presents NOAA NCEI identified lightning events and the resulting damage totals in Kansas Region L for the 10-year period of 2009 – 2018 (with 2009 and 2018 being full data set years).

Table 4.104: Kansas Region L NCEI Lightning Events, 2009 - 2018

County	Number of Events	Property Damage	Crop Damage	Deaths	Injuries
Johnson	0	\$0	\$0	0	0
Leavenworth	0	\$0	\$0	0	0
Wyandotte	0	\$0	\$0	0	0

Source: NOAA NCEI

The following details locally reported lightning events:

- **2017: Leavenworth County**

A local Second District Commissioner was struck by lightning and hospitalized.

Available crop loss data from the USDA Risk Management Agency detailing cause of loss was researched to determine the financial impacts of lightning on the region’s agricultural base. Crop loss data for the years 2014- 2018 (with 2014 and 2018 being full data years), for the region, indicates no lightning related claims.



Table 4.105: USDA Risk Management Agency Cause of Loss Indemnities 2014-2018, Lightning

County	Number of Reported Claims	Acres Lost	Total Amount of Loss
Johnson	0	0	\$0
Leavenworth	0	0	\$0
Wyandotte	0	0	\$0

Source: USDA

4.16.3 – Hazard Probability Analysis

The following table summarizes lightning probability data for **Johnson County**.

Table 4.106: Johnson County Lightning Probability Summary

Data	Recorded Impact
Number of Days with NCEI Reported Event (2009-2018)	0
Average Events per Year	0
Number of Days with Event and Death or Injury (2009-2018)	0
Average Number of Days with Event and Injury or Death	0
Total Reported NCEI Property Damage (2009-2018)	\$0
Average Property Damage per Year	\$0
USDA Farm Service Agency Number of Crop Damage Claims (2014-2018)	1
Average Number of Claims per Year	<1
USDA Farm Service Agency Number of Acres Damaged (2014-2018)	195
Average Number of Acres Damaged per Year	49
USDA Farm Service Agency Crop Damage Claims Amount (2014-2018)	\$5,955
Average Crop Damage per Year	\$1,489

Source: NCEI and USDA

Data from the NCEI indicates that Johnson County can expect on a yearly basis, relevant to lightning events:

- No events
- No deaths or injuries
- \$0 in property damages

According to the USDA Risk Management Agency, Johnson County can expect on a yearly basis, relevant to lightning occurrences:

- Less than one insurance claims
- 49 acres impacted
- \$1,489 in insurance claims

The following table summarizes lightning probability data for **Leavenworth County**.



Table 4.107: Leavenworth County Lightning Probability Summary

Data	Recorded Impact
Number of Days with NCEI Reported Event (2009-2018)	0
Average Events per Year	0
Number of Days with Event and Death or Injury (2009-2018)	0
Average Number of Days with Event and Injury or Death	0
Total Reported NCEI Property Damage (2009-2018)	\$0
Average Property Damage per Year	\$0
USDA Farm Service Agency Number of Crop Damage Claims (2014-2018)	0
Average Number of Claims per Year	0
USDA Farm Service Agency Number of Acres Damaged (2014-2018)	0
Average Number of Acres Damaged per Year	0
USDA Farm Service Agency Crop Damage Claims Amount (2014-2018)	\$0
Average Crop Damage per Year	\$0

Source: NCEI and USDA

Data from the NCEI indicates that Leavenworth County can expect on a yearly basis, relevant to lightning events:

- No events
- No deaths or injuries
- \$0 in property damages

According to the USDA Risk Management Agency, Leavenworth County can expect on a yearly basis, relevant to lightning occurrences:

- No insurance claims
- No acres impacted
- \$0 in insurance claims

The following table summarizes lightning probability data for **Wyandotte County**.

Table 4.108: Wyandotte County Lightning Probability Summary

Data	Recorded Impact
Number of Days with NCEI Reported Event (2009-2018)	0
Average Events per Year	0
Number of Days with Event and Death or Injury (2009-2018)	0
Average Number of Days with Event and Injury or Death	0
Total Reported NCEI Property Damage (2009-2018)	\$0
Average Property Damage per Year	\$0
USDA Farm Service Agency Number of Crop Damage Claims (2014-2018)	0
Average Number of Claims per Year	0
USDA Farm Service Agency Number of Acres Damaged (2014-2018)	0
Average Number of Acres Damaged per Year	0
USDA Farm Service Agency Crop Damage Claims Amount (2014-2018)	\$0
Average Crop Damage per Year	\$0

Source: NCEI and USDA



Data from the NCEI indicates that Wyandotte County can expect on a yearly basis, relevant to lightning events:

- No events
- No deaths or injuries
- \$0 in property damages

According to the USDA Risk Management Agency, Wyandotte County can expect on a yearly basis, relevant to lightning occurrences:

- No insurance claims
- No acres impacted
- \$0 in insurance claims

In addition, Kansas Region L has had six Presidentially Declared Disasters relating to severe storms (of which lightning is a potential component) in the last 20 years. This represents an average of less than one declared severe storm (lightning) related disaster per year.

4.16.4 – Vulnerability Analysis

For purposes of this assessment, all jurisdictions within the region were determined to be at equal risk to lightning events.

The following table presents data from the NOAA NCEI and HAZUS concerning the value of structures and the percentage of structures for each Kansas Region L county incurring damage over the period 2009 to 2018 from lightning events. A greater percentage of damaged structures damaged may indicate a greater potential future vulnerability.

Table 4.109: Kansas Region L Structural Vulnerability Data for Lightning

County	HAZUS Building Valuation	NCEI Structure Damage, Lightning, 2009-2018	Percentage of Building Valuation Damaged by Lightning
Johnson	\$124,279,962,000	0	0%
Leavenworth	\$13,050,342,000	0	0%
Wyandotte	\$29,708,946,000	0	0%

Source: NCEI and HAZUS

Counties with a high population and/or a growing population may be at increased risk.

Table 4.110: Kansas Region L Population Vulnerability Data for Lightning

County	2017 Population	Percent Population Change 2000 to 2017
Johnson	591,178	31.06%
Leavenworth	81,095	18.06%
Wyandotte	165,288	4.69%

Source: US Census Bureau

The USDA 2012 Census of Agriculture (the latest available data) provides data on the crop exposure value, the total dollar value of all crops, for each Kansas Region L County. USDA Risk Management



Agency crop loss data allows us to quantify the monetary impact of lightning strikes on the agricultural sector. The higher the percentage loss, the higher potential future vulnerability the county may have to lightning events.

Table 4.111: Kansas Region L USDA Annual Lightning Percentage Impact Data, 2014-2018

Jurisdiction	Farm Acreage	Annual Acres Impacted	Annual Percentage of Total Acres Impacted	Market Value of Products Sold	Annualized Crop Insurance Paid	Annual Percentage of Market Value Impacted
Johnson	99,354	0	0.0%	\$24,370,000	\$0	0.0%
Leavenworth	184,471	0	0.0%	\$36,367,000	\$0	0.0%
Wyandotte	12,009	0	0.0%	\$3,291,000	\$0	0.0%

Source: USDA

4.16.5 – Impact and Consequence Analysis

As per EMAP requirements, the following table provides the Consequence Analysis.

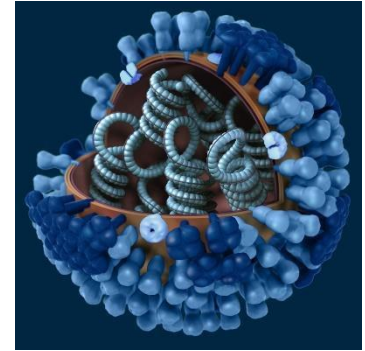
Table 4.112: Lightning Consequence Analysis

Subject	Impacts of Lightning
Health and Safety of the Public	Severity and location dependent. Impacts on persons in the areas of lightning are expected to be severe if caught without proper shelter.
Health and Safety of Responders	Impacts will be predicated on the severity of the event. Damaged infrastructure will likely result in hazards such as downed utility lines, main breakages and debris on roadways.
Continuity of Operations	Temporary relocation may be necessary if government facilities experience damage. Services may be limited to essential tasks if utilities are impacted.
Property, Facilities, and Infrastructure	Impact to property, facilities, and infrastructure could be minimal to severe, depending on the location and structural capacity of the facility. Loss of utility infrastructure could occur. Utility lines, residential and business properties will be affected.
Environment	Impact could be severe for the immediate impacted area, depending on the size of the event. Impact will lessen as distance increases from the immediate incident area
Economic Conditions	Impacts to the economy will be dependent severity of the event and the impact on structures and infrastructure. Impacts could be severe if utilities are affected.
Public Confidence in the Jurisdiction’s Governance	Response and recovery will be in question if not timely and effective. Warning systems in place and the timeliness of those warnings could be questioned.



4.17 – Major Disease

For this plan, major disease is classified as infectious diseases caused by microscopic agents, including viruses, bacteria, parasites, and fungi or by their toxins, that may impact humans. They may be spread by direct contact with an infected person or animal, ingesting contaminated food or water, vectors such as mosquitoes or ticks, contact with contaminated surroundings such as animal droppings, infected droplets, or by aerosolization.



4.17.1 – Location and Extent

Human transmissible disease and infectious diseases are illnesses caused by microscopic agents, including viruses, bacteria, parasites, and fungi or by their toxins. They may be spread by direct contact with an infected person or animal, ingesting contaminated food or water, vectors such as mosquitoes or ticks, contact with contaminated surroundings such as animal droppings, infected droplets, or by aerosolization.

The entire planning area is susceptible to a transmissible disease outbreak. However, more densely populated areas may be more susceptible.

4.17.2 – Previous Occurrences

The KDHE was contacted concerning the epidemiological tracking of contagious and/or human transmissible diseases. The following table provides information concerning select diseases of concern.

Table 4.113: Kansas Department of Health Epidemiological Tracking, 2006 -2018

Disease	Johnson County	Leavenworth County	Wyandotte County
Haemophilus Influenzae Invasive Disease	17	3	7
Measles (Rubeola)	14	0	0
Meningococcal Infections	0	0	0
Mumps	36	6	6
Pertussis	67	4	36
Streptococcus pneumoniae, Invasive	63	4	13
West Nile Virus*	4	0	2
Zika Virus Disease*	0	0	1

Source: KDHE

*: Data from 2017 and 2018 only

4.17.3 – Hazard Probability Analysis

Each year the Centers for Disease Control (CDC) produces a report detailing the legally “reportable diseases” in States. While over time this report can serve as a predictor of the likelihood of future disease, it is impossible to predict outbreaks. Based on the relatively limited/controlled outbreak history in Kansas Region L, the possibility of a large-scale major disease outbreak to be limited.



4.17.4 – Vulnerability Analysis

For purposes of this assessment, no facilities or agricultural commodities are considered vulnerable to the major disease hazard.

Due to the person to person transmission of many diseases of concern counties with a higher identified population are to be considered to have a potentially greater vulnerability. The following table indicates the total county population and registered growth over the period 2000 to 2017.

Table 4.114: Kansas Region L Population Vulnerability Data for Major Disease Event

County	2017 Population	Percent Population Change 2000 to 2017
Johnson	591,178	31.06%
Leavenworth	81,095	18.06%
Wyandotte	165,288	4.69%

Source: US Census Bureau

Additionally, there is an increased likelihood of mortality for very young and very old populations due to transmissible disease. The following table indicates the percentage of the total county population that may be considered especially vulnerable to a major disease.

Table 4.115: Kansas Region L Potentially Vulnerable Population Data

Jurisdiction	Percentage of Population 5 and Under (2016)	Percentage of Population 85+ (2016)
Johnson County	6.7%	1.9%
Leavenworth County	6.4%	1.2%
Wyandotte County	8.4%	1.5%

Of note for Johnson County and its participating jurisdictions:

- Population gains in children under 5 years of age were noted for the period 2000 to 2016, from 33,641 to 39,609, a 17.7% increase
- Significant population gains in adults over 85 years of age were noted for the period 2000 to 2016, from 5,895 to 11,232, a 90.5% increase

Of note for Leavenworth County and its participating jurisdictions:

- Population gains in children under 5 years of age were noted for the period 2000 to 2016, from 4,775 to 5,190, an 8.7% increase
- Large population gains in adults over 85 years of age were noted for the period 2000 to 2016, from 810 to 973, a 20.1% increase

Of note for Wyandotte County and its participating jurisdictions:

- Population gains in children under 5 years of age were noted for the period 2000 to 2016, from 12,759 to 13,884, an 8.8% increase



- Population gains in adults over 85 years of age were noted for the period 2000 to 2016, from 2,226 to 2,479, an 11.4% increase

4.17.5 – Impact and Consequence Analysis

As per EMAP requirements, the following table provides the Consequence Analysis.

Table 4.116: Major Disease Consequence Analysis

Subject	Impacts of Major Disease Outbreak
Health and Safety of Persons in the Area of the Incident	Impact over a widespread area could be severe depending on type of outbreak and whether it is a communicable disease. Casualties are dependent on warning systems, warning times and the availability of vaccines, antidotes, and medical svc.
Responders	Impact to responders could be severe, especially if they reside in the area and or their type of exposure during response. With proper precautions and safety nets in place the impact is lessened.
Continuity of Operations	Continuity of Operations will be greatly dependent on availability of healthy individuals. COOP is not expected to be exercised.
Property, Facilities, and Infrastructure	Access to facilities and infrastructure could be affected until decontamination is completed
Environment	Impact could be severe for the immediate impacted area depending on the source of the outbreak. Impact could have far-reaching implications if disease is transferable between humans and animals or to wildlife.
Economic Conditions	Impacts to the economy could be severe if the disease is communicable. Loss of tourism, revenue, and business as usual will greatly affect the local economy and the state as a whole.
Public Confidence in Governance	Response and recovery will be in question if not timely and effective. Availability of medical supplies, vaccines, and treatments will come into question.



4.18 – Agricultural Infestation

Agricultural infestation is the naturally occurring infection of vegetation, crops or livestock with insects, vermin (to include lice, roaches, mice, coyote, fox, fleas, etc.), or diseases that render the crops or livestock unfit for consumption or use. The levels and types of agricultural infestation will vary according to many factors, including cycles of heavy rains and drought. A certain level of agricultural infestation is normal; however, infestation becomes an issue when the level of an infestation escalates suddenly, or a new infestation appears, overwhelming normal control efforts. Infestation of crops or livestock can pose a significant risk to state and local economies due to the dominance of the agricultural industry.



Onset of agricultural infestation can be rapid. Controlling an infestation's spread is critical to limiting impacts through methods including quarantine, culling, premature harvest and/or crop destruction when necessary. Duration is largely affected by the degree to which the infestation is aggressively controlled but is generally more than one week. Maximizing warning time is also critical for this hazard and is most affected by methodical and accurate monitoring and reporting of livestock and crop health and vigor, including both private individuals and responsible agencies.

4.18.1 –Location and Extent

The entire planning area may be affected by agricultural infestation. While rural areas within the region are more susceptible to crop and livestock infestation, urban and suburban areas are also at risk due to landscaping, urban gardens and parks, all of which add value to homes and communities, may be susceptible to damage or loss. The magnitude and severity of an agricultural infestation is relative to the type of infestation. A foreign animal disease like foot and mouth could potentially cause the economy to crumble, whereas an infestation of fleas would be manageable. The MPC has determined that the magnitude of this hazard in the planning area would be limited, as most infestations are manageable in scope.

Animal Disease

Of key concern regarding this hazard is the potential introduction of a rapid and economically devastating foreign animal disease, including Foot and Mouth disease and Bovine Spongiform Encephalopathy (BSE) disease. Because Kansas is a major cattle state, with cattle raised locally as well as imported into the state, the potential for highly contagious diseases such as these is a continuing, significant threat. The loss of production, death of animals, and other lasting problems resulting from an outbreak could cause continual and severe economic losses, as well as widespread unemployment. It would affect not only farmers, ranchers, and butchers, but also support and related industries

Of particular concern are Confined Animal Feeding Operations (CAFO) facilities, defined as facilities with 300 or more animal units. The CAFO facilities are regulated by the KDHE, Bureau of Water, and Livestock Waste Management. The CAFOs may include beef, dairy, sheep, swine, chicken, turkey, and horses. The following is a list of the number of CAFOs per county in Kansas Region L:



- Johnson County: 2
- Leavenworth County: 5
- Wyandotte County: 1

Knowing where diseased and at-risk animals are, where they've been and when, is important to ensuring a rapid response when animal disease events take place. The KDA, Division of Animal Health monitors and reports on animal reportable diseases. Producers are required by state law to report any of the reportable animal diseases.

Crop Pests and Diseases

Many factors influence disease development in plants, including hybrid/variety genetics, plant growth stage at the time of infection, weather (e.g., temperature, rain, wind, hail, etc.), single versus mixed infections, and genetics of the pathogen populations.

Field crops in the region are also subject to various types of infestation. According to KDA, Plant Protection and Weed Control Division, the following are the highest risk crop pests to this region and the potentially impacted crop:

- Aspergillus Ear Rot (Aflatoxin): Corn
- Austro-Asian Rust: Soybean
- Black Stem Rust, Blast: Wheat
- South American strains, Stripe Rust, Leaf Rust, Karnal: Wheat

Infestation is not only a risk to crops in the field, but insect infestation can also cause major losses to stored grain. It is estimated that damage to stored grain by the lesser grain borer, rice weevil, red flour beetle, and rusty grain beetle costs the United States about \$500 million annually.

Tree Pests

According to the KDA, Plant Protection and Weed Control Division, the following are the highest risk plant pests by host to Kansas Region L:

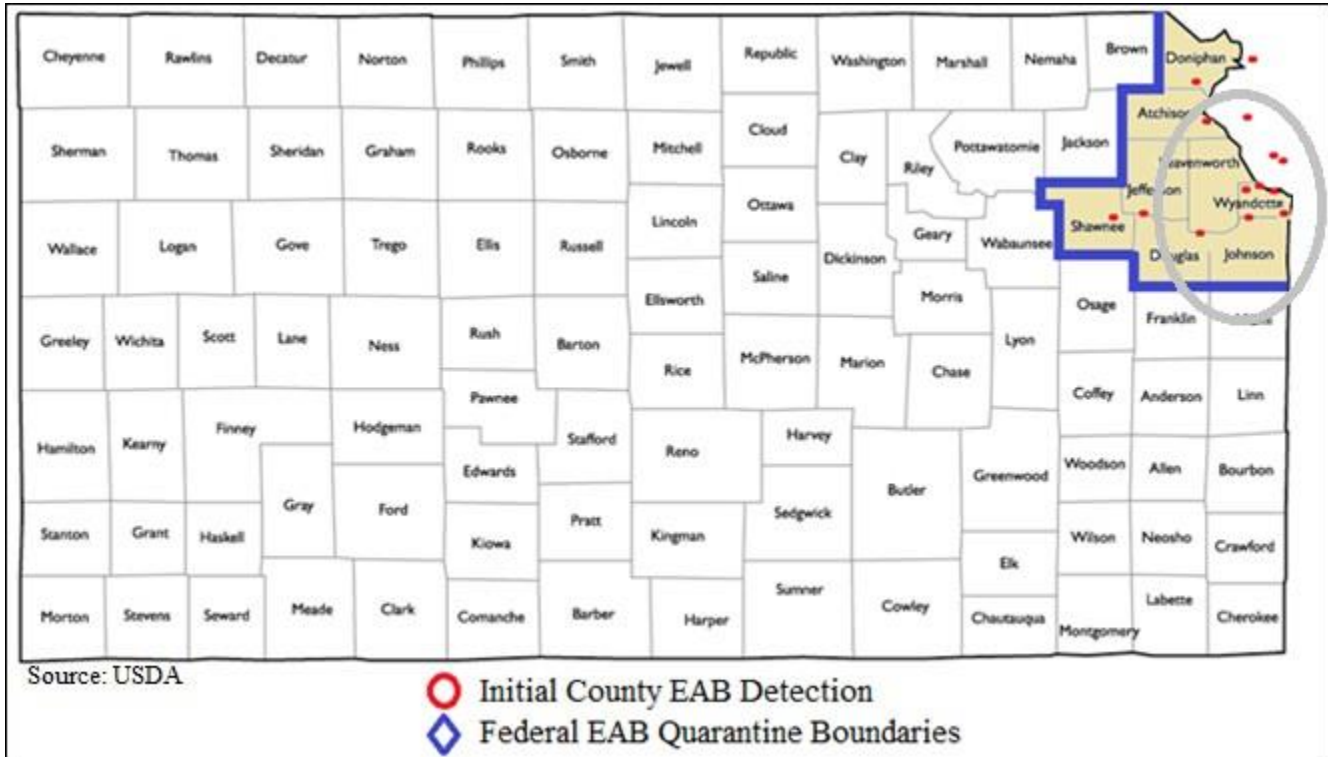
- Emerald Ash Borer (EAB): Ash Trees
- Asian Longhorned Beetle: Maple, Birch, Willow, Mimosa, Ash, Sycamore & Poplar Trees
- Thousand Cankers: Walnut Trees

As of this plan, neither the Asian Longhorned Beetle nor Thousand Cankers have been detected in Kansas.

As of this plan, the EAB has been discovered in numerous Kansas counties, including all three Kansas Region L counties. The following map from the USDA shows the Federal EAB Quarantine area for the State of Kansas, and Kansas Region L.



Initial County EAB Detections, December 2018



Wildlife Pests

The region’s farmers also lose a significant amount of crops each year as a result of wildlife foraging. This can be particularly problematic in areas where natural habitat has been diminished or in years where weather patterns such as early/late frost deep snow, or drought has caused the wild food sources to be limited. Also of concern are the following wildlife diseases:

- Chronic Wasting Disease (CWD), affecting deer and captive elk populations.
- Hemorrhagic Disease (HD), affecting white-tailed deer

There have been 48 positive cases of CWD found in Kansas since surveillance started in 1996 and regular occurrences of HD seasonally in late summer and fall. These diseases can seriously damage the populations of the captive deer and elk farms and the wild deer populations but also affect the annual \$350 million-dollar regional and statewide hunting economy.

4.18.2 – Previous Occurrences

The following detail reported agricultural infestations for Kansas Region L.

The emerald ash borer is a pest of ash trees native to Asia. It was first discovered in North America in 2002. Since then it has killed millions of ash trees and caused thousands more to be removed to slow its spread. The following details Kansas Region L EAB discoveries.



- **Wyandotte County EAB Find Background:** On August 29, 2012, the first-ever presence of emerald ash borer in Kansas was confirmed in Wyandotte County at Wyandotte County Lake. Regulatory officials at USDA's Animal and Plant Health Inspection Service's Plant Protection Quarantine division removed larva from the sample and confirmed the presence of emerald ash borer. The initial emergency quarantine was effective August 29, 2012, for Wyandotte County and became permanent November 9, 2012, and will be in effect until it is rescinded or modified by the order of the Kansas Secretary of Agriculture.
- **Johnson County EAB Find Background:** On July 5, 2013, an adult specimen was removed from an emerald ash borer survey trap located near the Johnson County landfill, during routine monitoring by USDA-APHIS-PPQ. Immediately after confirmation by USDA, Kansas enacted an emergency intrastate quarantine for Johnson County, effective July 15, which became permanent September 24, 2013, and will be in effect until it is rescinded or modified by the order of the Kansas Secretary of Agriculture.
- **Leavenworth County EAB Find Background:** On July 16, 2014, an adult emerald ash borer was caught on a girdled tree trap placed on K-5 southeast of Lansing. A second emerald ash borer was also caught on a second girdled trap tree at Kenneth W. Bernard Community Park. Regulatory officials with the USDA confirmed the presence of emerald ash borer on July 17, 2014.

Available crop loss data from the USDA Risk Management Agency detailing cause of loss was researched to determine the financial impacts of infestation on the region’s agricultural base. Crop loss data for the years 2014- 2018 (with 2014 and 2018 being full data years), for the region, indicates nine infestation related claims on 1,622 acres for \$93,318.

**Table 4.117: USDA Risk Management Agency Cause of Loss Indemnities
2014-2018, Agricultural Infestation**

County	Number of Reported Claims	Acres Lost	Total Amount of Loss
Johnson	6	1,258	\$68,221
Leavenworth	2	261	\$17,205
Wyandotte	1	103	\$7,892

Source: USDA

4.18.3 – Hazard Probability Analysis

Kansas Region L experiences agricultural losses every year because of insects, vermin or diseases that impact plants and livestock. Data from the UDSA Risk Management Agency indicates that there has been at least one claimed incident of agricultural infestation for Kansas Region L for the period 2015 through 2018. Using the binomial probability equation (number of years with an event divided by total number of years in reporting period) we derive a probability 100% of a reportable agricultural infestation event in a given year. However, the large majority of events are expected to be small and limited in scope.

4.18.4 – Vulnerability Assessment

Regional populations and facilities are not directly vulnerable to losses as a result of agricultural infestation. The USDA 2012 Census of Agriculture (the latest available data) provides data on the crop exposure value, the total dollar value of all crops, for each Kansas Region L County. The USDA Risk Management Agency provides information on insured crop losses related to identified hazards, with data



from the years 2015 to 2018 used for analysis. The higher the percentage loss, the higher potential future vulnerability the county may have to infestation events.

Table 4.118: Kansas Region L USDA Annual Agricultural Infestation Percentage Impact Data, 2014-2018

Jurisdiction	Farm Acreage	Annual Acres Impacted	Annual Percentage of Total Acres Impacted	Market Value of Products Sold	Annualized Crop Insurance Paid	Annual Percentage of Market Value Impacted
Johnson	99,354	252	0.25%	\$24,370,000	\$13,644	0.06%
Leavenworth	184,471	521	0.28%	\$36,367,000	\$3,441	0.01%
Wyandotte	12,009	21	0.17%	\$3,291,000	\$1,578	0.05%

Source: USDA

This table only reflects insured losses that were claimed. According to the 2017 Kansas Crop Insurance Profile Report issued by the USDA Risk Management Agency, 75-94% percent of major Kansas row crops were insured. Data regarding the number or value of livestock and wildlife lost to disease or infestation was not available for this planning effort.

In addition, threats have been identified which, while currently not impacting Kansas, may present a future risk. According to the KDA, Plant Protection and Weed Control Division the following table lists the highest risk plant pests to Kansas.

Table 4.119: Potential High-Risk Plant Pests

Pest (Disease Insect, or weed)	Crop or Host Plant	Current Distribution	Type of Loss
Rust, Austro-Asian	Soybean	Australia, Japan, Pacific, Gulf of Mexico	Direct Loss to production
Aspergillus ear rot (Aflatoxin)	Corn	Worldwide, endemic to Kansas	Toxin renders the grain unusable
Black Stem Rust UG99 strain	Wheat	Africa, Asia	Direct Loss to production
Blast – South American strains	Wheat	South America	Direct Loss to production
Stripe Rust (new races)	Wheat	North America	Direct Loss to production
Leaf Rust (new races)	Wheat	North America	Direct Loss to production
Karnal Bunt	Wheat	Asia, Mexico, Arizona	International export quarantines, degradation of flour quality
Thousand Cankers	Walnut	Western US states and PA, VA, TN	Death of municipal trees, loss of nut crop, loss of timber
Emerald Ash Borer	Ash	North Central and North Eastern U.S., including Kansas (Wyandotte County)	Death of trees. Cost of removal and re-vegetation.
Asian Longhorned Beetle	Maples, Birches, Willows, Mimosa, Ash, Sycamore, Poplar trees	Small parts of Ohio, New York, and Massachusetts	Death of trees. Cost of removal and re-vegetation.



Table 4.119: Potential High-Risk Plant Pests

Pest (Disease Insect, or weed)	Crop or Host Plant	Current Distribution	Type of Loss
Hydrilla	Water Bodies	Southern U.S. and one park pond in Olathe	Economic and environmental.

4.18.5 – Impact and Consequence Analysis

As per EMAP standards, the information in the following table provides the Consequence Analysis.

Table 4.120: Agricultural Infestation Consequence Analysis

Subject	Impacts of Agricultural Infestation
Health and Safety of the Public	Impact in the area would be minimal. If the infestation is unrecognized, then there is the potential for the food supply to be contaminated.
Health and Safety of Responders	Impact would be minimal with protective clothing, gloves, etc. as these diseases cause no risk to humans.
Continuity of Operations	Minimal expectation of execution of the COOP.
Property, Facilities, and Infrastructure	Localized impact to facilities and infrastructure in the incident area is minimal to non-existent.
Environment	Impact could be severe to the incident area, specifically, plants, trees, bushes, and crops.
Economic Conditions	Impacts to the economy will depend on the severity of the infestation. The potential for economic loss to the community and state could be severe if the infestation is hard to contain, eliminate, or reduce. Impact could be minimized due to crop insurance.
Public Confidence in the Jurisdiction’s Governance	Confidence could be in question depending on timeliness and steps taken to warn the producers and public and treat/eradicate the infestation.



4.19 – Terrorism

The United States does not have a standardized definition of terrorism that is agreed upon by all agencies. The Federal Bureau of Investigation generally defines terrorism as:

"the unlawful use of force and violence against persons or property to intimidate or coerce a government, the civilian population, or any segment thereof, in furtherance of political or social objectives."

4.19.1 – Location and Extent

Kansas is home to a wide variety of criminal extremist groups. The Southern Poverty Law Center reported that in 2018 there were three active hate groups in Kansas: one neo-Nazi group, the National Socialist Movement in Lansing, one racist skinhead group, the Midland Hammerskins in Wichita, and one anti-homosexual group, the Westboro Baptist Church in Topeka. Other groups, such as the Animal Liberation Front, Earth Liberation Front, and People for the Ethical Treatment of Animals may have sympathizers in the region. Although no major terrorist acts have been attributed to any of these latter groups, their involvement in violent acts is meant to disrupt governmental functions and cannot be discounted.

4.19.2 – Previous Occurrences

Kansas Region L has been fortunate to escape a major terrorist incident.

4.19.3 – Hazard Probability Analysis

By nature, acts of terrorism are difficult to foresee. However, the probability of a major terrorist event in Kansas Region L is considered very low due the lack of any documented historical events. Again, it is worth noting that no previous occurrences in no way guarantees no future occurrences.

4.19.4 – Vulnerability Analysis

For purposes of this assessment, data is not available to quantify vulnerability or estimated losses as a result of terrorism incidents that might impact state-owned facilities.

For this assessment, it is not possible to calculate a specific vulnerability for each county or participating jurisdiction. However, because of the desire for publicity following attacks, it is more likely that counties and jurisdictions with greater population densities and /or larger event venues have a greater risk.

It is difficult to quantify potential losses of terrorism due to the many variables and human elements and lack of historical precedence. Therefore, for the purposes of this plan, the loss estimates will consider three hypothetical scenarios. The estimated impact of each event was calculated using the Electronic Mass Casualty Assessment and Planning Scenarios developed by Johns Hopkins University.

Please note that the hypothetical scenarios are included for illustrative purposes only.



Scenario #1: Mustard Gas Release

Event: Mustard gas is released from a light aircraft onto the stadium during a home football game. The agent directly contaminates the stadium and the immediate surrounding area. This attack would cause harm to humans and could render portions of the stadium unusable for a short time period in order to allow for a costly clean-up. There might also be a fear by the public of long-term contamination of the stadium and subsequent boycott of games resulting in a loss of revenue and tourism dollars.

Event Assumptions: For this scenario the number of people in the stadium is 50,000 with an additional 5,000 persons remain outside the stadium in the adjacent parking areas. The agent used, mustard gas, is extremely toxic and may damage eyes, skin and respiratory tract with death sometimes resulting from secondary respiratory infections. Death rate from exposure estimated to be 3%. The estimated decontamination cost is \$12 person. For this scenario it is assumed that all persons with skin injuries will require decontamination.

Results: The following table presents the estimated human and economic impacts of the scenario.

Table 4.121: Estimated Impact of Scenario #1, Mustard Gas Release

Impact	Post Exposure Onset Time	Effect
Severe Eye Injuries (1-2 hours)	1 -2 Hours	41,250 persons
Severe Airway Injuries (1-2 hours)	1 - 2 Hours	41,250 persons
Severe Skin Injuries (2 hours to days)	2 Hours to Days	49,500 persons
Deaths	Immediate to Days	1,100 persons
Cost of Decontamination	N/A	\$594,000

Source: Electronic Mass Casualty Assessment and Planning Scenarios by Johns Hopkins University

Scenario #2: Pneumonic Plague

Event: Four Canisters containing aerosolized pneumonic plague bacteria are opened in public bathrooms of heavily populated buildings (airports, stadiums, etc.). Each release location will directly infect 110 people; hence, the number of release locations dictates the initial infected population. The secondary infection rate is used to calculate the total infected population. This attack method would not cause damages to buildings or other infrastructure, only to human populations.

Event Assumptions: Each canister contains 650 milliliters of pneumonic plague bacteria. The type of infectious agent used is identified on Day 4. After identification, the fatality rate is 10% for new cases. Pneumonic plague has a 1-15 percent mortality rate in treated cases and a 40-60 percent mortality rate in untreated cases.

Results: The following table presents the estimated human impacts of the scenario.



Table 4.122: Estimated Impact of Scenario #2, Pneumonic Plague Release

Impact	Effect
Initial Infected Population	440 persons
Secondary Infected Population	883 persons
Deaths (7% of Infected)	62

Source: Electronic Mass Casualty Assessment and Planning Scenarios by Johns Hopkins University

Scenario #3: Improvised Explosive Device

Event: An improvised explosive device utilizing an ammonium nitrate/fuel oil mixture is carried in a panel van to a parking area during a time when stadium patrons are leaving their cars and entering the stadium and detonated. Potential losses with this type of scenario include both human and structural assets.

Event Assumptions: The quantity of ammonium nitrate/fuel oil mixture used is 4,000 pounds. The population density of the lot is assumed to be 1 person per every 25 square feet for a pre-game crowd. The Lethal Air Blast Range for such a vehicle is estimated to be 50 feet according to the Bureau of Alcohol, Tobacco, Firearms and Explosives Standards. The Falling Glass Hazard distance is estimated at 600 feet according to Bureau of Alcohol, Tobacco, Firearms and Explosives Explosive Standards. In this event, damage would occur to vehicles, and depending on the proximity of other structures, damages would occur to the stadium complex itself. The exact amount of these damages is difficult to predict because of the large numbers of factors, including the type of structures nearby and the amount of insurance held by vehicle owners. It is estimated that the average replacement cost for a vehicle is \$20,000 and the average repair cost for damaged vehicles would be \$4,000.

Results: The following table presents the estimated human impacts of the scenario.

Table 4.123: Estimated Impact of Scenario #3, Improvised Explosive Device

Impact	Effect
Deaths	1,391 persons
Trauma Injuries	2,438 persons
Urgent Care Injuries	11,935
Injuries not Requiring Hospitalization	4,467
Repair Costs for 100 Vehicles	\$400,000
Replacement Costs for 50 Vehicles	\$1,000,000

Source: Electronic Mass Casualty Assessment and Planning Scenarios by Johns Hopkins University

4.19.5 – Impact and Consequence Analysis

There is no consensus on estimates of potential fatalities and injuries for terrorism events. Injury and death tolls would be dependent on the type, size and weapon used. Areas with higher population densities would likely result in a greater number of casualties.

As per EMAP requirements, the following table provides the Consequence Analysis.



Table 4.124: Terrorism Consequence Analysis

Subject	Impacts of Terrorism
Health and Safety of Persons in the Area of the Incident	Impact could be severe for persons in the incident area.
Responders	Impact to responders could be severe if not trained and properly equipped. Responders that are properly trained and equipped will have a low to moderate impact.
Continuity of Operations	Depending on damage to facilities/personnel in the incident area, relocation may be necessary and lines of succession execution.
Property, Facilities, and Infrastructure	Impact within the incident area could be severe for explosion, moderate to low for Hazmat.
Environment	Localized impact within the incident area could be severe depending on the type of incident.
Economic Conditions	Economic conditions could be adversely affected and dependent upon time and length of clean up and investigation.
Public Confidence in Governance	Impact dependent on if the incident could have been avoided by government entities, clean-up, investigation times and outcomes.



4.20 – Hailstorms

According to NOAA, hail is precipitation that is formed when updrafts in thunderstorms carry raindrops upward into extremely cold areas of the atmosphere causing them to freeze. The raindrops form into small frozen droplets and then continue to grow as they come into contact with super-cooled water which will freeze on contact with the frozen rain droplet. This frozen rain droplet can continue to grow and form hail.



4.20.1 – Location and Extent

Hailstorms occur over broad geographic regions. The entire planning area, including all participating jurisdictions, is at risk to hailstorms.

Based on information provided by the NOAA;’s Storm Prediction Center, the following table describes various sizes of hail.

Table 4.125: Hailstorm Intensity Scale

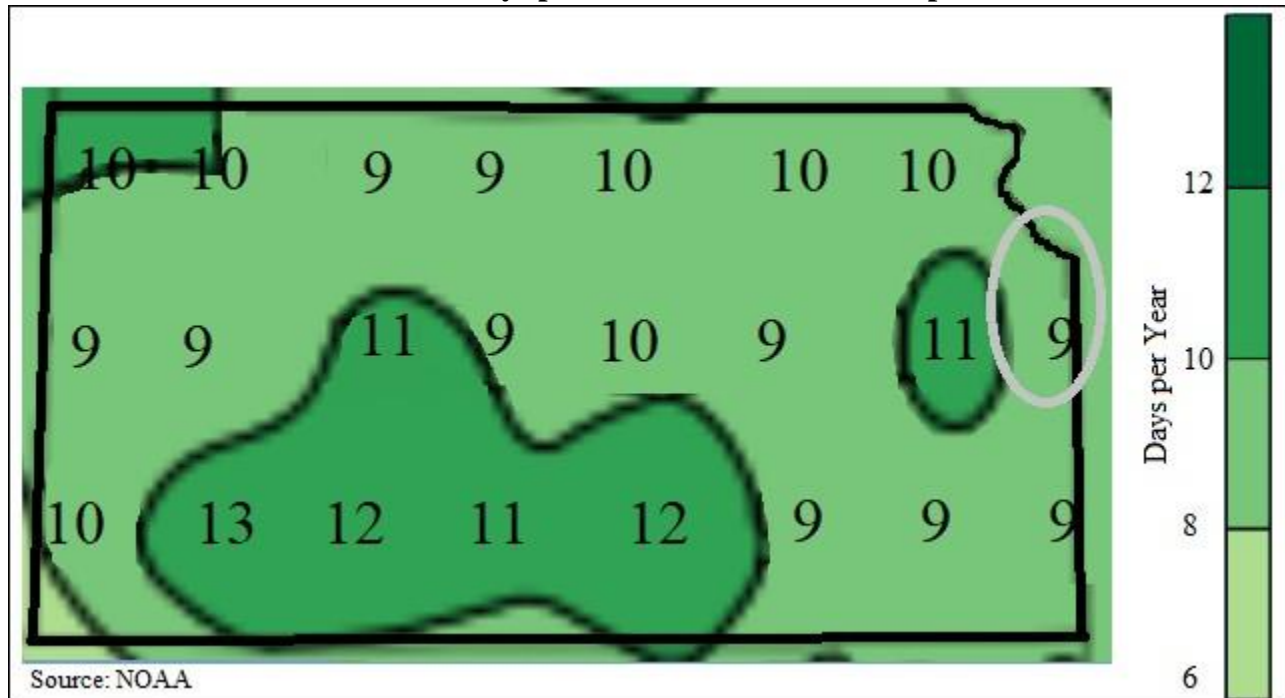
Hail Size in Inches	Object Analog Report
.50	Marble, moth ball
.75	Penny
.88	Nickel
1.00	Quarter
1.25	Half dollar
1.50	Walnut, ping pong
1.75	Golf ball
2.00	Hen egg
2.50	Tennis ball
2.75	Baseball
3.00	Tea cup
4.00	Softball
4.50	Grapefruit

Source: NOAA

The following map, generated by data compiled by NOAA, indicates the average number of severe hail event days for Kansas Region L (9).



Severe Hail Days per Year from 2003-2012 Reports



4.20.2 – Previous Occurrences

In the 20-year period from 1999 to 2018 (with 1999 and 2018 being full data set years), there have been six Presidential Disaster Declarations for the Kansas Region L for severe storms (of which a component may be hail). The following 20-year information on past declared disasters is presented to provide a historical perspective on severe storm (and potentially hail) events that have impacted the Kansas Region L. Declaration numbers in bold indication declared disaster that have occurred since the previous mitigation plan update in 2013.

Table 4.126: Kansas Region L FEMA Severe Storm Disaster and Emergency Declarations, 1999 -2018

Declaration Number	Incident Period	Disaster Description	Regional Counties Involved	Dollars Obligated
4347	11/7/2017 (7/22/2017 – 7/27/2017)	Severe Storms, Straight-Line Winds, Flooding	Johnson, Wyandotte	\$6,195,147.97
1699	5/6/2007 (5/4/2007)	Severe Storms, Tornadoes, and Flooding	Leavenworth	\$117,565,269
1615	11/21/2005 (10/1-2/2005)	Severe Storms and Flooding	Leavenworth	\$10,286,064
1562	09/30/2004 (8/27-30/2004)	Severe Storms, Flooding, and Tornadoes	Wyandotte	\$2,103,376
1535	8/3/2004 (6/12-7/25/2004)	Severe Storms, Flooding, and Tornadoes	Wyandotte	\$12,845,892



Table 4.126: Kansas Region L FEMA Severe Storm Disaster and Emergency Declarations, 1999 -2018

Declaration Number	Incident Period	Disaster Description	Regional Counties Involved	Dollars Obligated
1462	5/6/2003 (5/4-30/2003)	Severe Storms, Tornados, and Flooding	Leavenworth and Wyandotte	\$988,056

Source: FEMA

The following provides details of the single Presidential Disaster Declaration for Kansas Region L related to severe storms (and potentially hail) since the last plan update in 2013.

**Kansas – Severe Storms, Straight-line Winds, and Flooding
FEMA-4347-DR**

Declared November 7, 2017

On August 31, 2017, Governor Sam Brownback requested a major disaster declaration due to severe storms, straight-line winds, and flooding during the period of July 22-27, 2017. The Governor requested a declaration for Public Assistance for two counties and Hazard Mitigation statewide. During the period of August 18-24, 2017, joint federal, state, and local government Preliminary Damage Assessments (PDAs) were conducted in the requested counties and are summarized below. PDAs estimate damages immediately after an event and are considered, along with several other factors, in determining whether a disaster is of such severity and magnitude that effective response is beyond the capabilities of the state and the affected local governments, and that Federal assistance is necessary.

On November 7, 2017, President Trump declared that a major disaster exists in the State of Kansas. This declaration made Public Assistance requested by the Governor available to state and eligible local governments and certain private nonprofit organizations on a cost-sharing basis for emergency work and the repair or replacement of facilities damaged by the severe storms, straight-line winds, and flooding in Johnson and Wyandotte Counties. This declaration also made Hazard Mitigation Grant Program assistance requested by the Governor available for hazard mitigation measures statewide.

In addition to the above reported events, the following table presents NOAA NCEI identified hailstorm events and the resulting damage totals in Kansas Region L from the period 2009 - 2018.

Table 4.127: Kansas Region L NCEI Hailstorm Events, 2009 - 2018

County	Number of Days with Events	Property Damage	Deaths	Injuries
Johnson	49	\$130,200	0	0
Leavenworth	39	\$12,000	0	0
Wyandotte	19	\$0	0	0

Source: NOAA NCEI

As no damages or deaths or injuries were reported, descriptions of these events can be found on the NOAA NCEI website:

- www.NCEI.noaa.gov/stormevents/ftp.jsp



Available crop loss data from the USDA Risk Management Agency detailing cause of loss was researched to determine the financial impacts of hail on the region’s agricultural base. Crop loss data for the years 2014- 2018 (with 2014 and 2018 being full data years), for the region, indicates one hail related claim on 195 acres for 5,955.

Table 4.128: USDA Risk Management Agency Cause of Loss Indemnities 2014-2018, Hail

County	Number of Reported Claims	Acres Lost	Total Amount of Loss
Johnson	1	195	\$5,955
Leavenworth	3	66	\$5,279
Wyandotte	0	0	\$0

Source: USDA

4.20.3 – Hazard Probability Analysis

The following table summarizes hailstorm probability data for **Johnson County**.

Table 4.129: Johnson County Hailstorm Probability Summary

Data	Recorded Impact
Number of Days with NCEI Reported Event (2009-2018)	49
Average Events per Year	5
Number of Days with Event and Death or Injury (2009-2018)	0
Average Number of Days with Event and Injury or Death	0
Total Reported NCEI Property Damage (2009-2018)	\$130,200
Average Property Damage per Year	\$13,020
USDA Farm Service Agency Number of Crop Damage Claims (2014-2018)	1
Average Number of Claims per Year	<1
USDA Farm Service Agency Number of Acres Damaged (2014-2018)	195
Average Number of Acres Damaged per Year	39
USDA Farm Service Agency Crop Damage Claims Amount (2014-2018)	\$5,955
Average Crop Damage per Year	\$1,191

Source: NCEI and USDA

Data from the NCEI indicates that Johnson County can expect on a yearly basis, relevant to hail events:

- Five events
- No deaths or injuries
- \$13,020 in property damages

According to the USDA Risk Management Agency, Wyandotte County can expect on a yearly basis, relevant to hail occurrences:

- Less than one insurance claims
- 39 acres impacted
- \$1,191 in insurance claims

The following table summarizes hailstorm probability data for **Leavenworth County**.



Table 4.130: Leavenworth County Hailstorm Probability Summary

Data	Recorded Impact
Number of Days with NCEI Reported Event (2009-2018)	39
Average Events per Year	4
Number of Days with Event and Death or Injury (2009-2018)	0
Average Number of Days with Event and Injury or Death	0
Total Reported NCEI Property Damage (2009-2018)	\$12,000
Average Property Damage per Year	\$1,200
USDA Farm Service Agency Number of Crop Damage Claims (2014-2018)	3
Average Number of Claims per Year	1
USDA Farm Service Agency Number of Acres Damaged (2014-2018)	66
Average Number of Acres Damaged per Year	13
USDA Farm Service Agency Crop Damage Claims Amount (2014-2018)	\$5,279
Average Crop Damage per Year	\$1,056

Source: NCEI and USDA

Data from the NCEI indicates that Leavenworth County can expect on a yearly basis, relevant to hail events:

- Four events
- No deaths or injuries
- \$1,200 in property damages

According to the USDA Risk Management Agency, Leavenworth County can expect on a yearly basis, relevant to hail occurrences:

- One insurance claim
- 13 acres impacted
- \$1,056 in insurance claims

The following table summarizes hailstorm probability data for **Wyandotte County**.

Table 4.131: Wyandotte County Hailstorm Probability Summary

Data	Recorded Impact
Number of Days with NCEI Reported Event (2009-2018)	19
Average Events per Year	2
Number of Days with Event and Death or Injury (2009-2018)	0
Average Number of Days with Event and Injury or Death	0
Total Reported NCEI Property Damage (2009-2018)	\$0
Average Property Damage per Year	\$0
USDA Farm Service Agency Number of Crop Damage Claims (2014-2018)	0
Average Number of Claims per Year	0
USDA Farm Service Agency Number of Acres Damaged (2014-2018)	0
Average Number of Acres Damaged per Year	0
USDA Farm Service Agency Crop Damage Claims Amount (2014-2018)	\$0
Average Crop Damage per Year	\$0

Source: NCEI and USDA



Data from the NCEI indicates that Wyandotte County can expect on a yearly basis, relevant to hail events:

- Two events
- No deaths or injuries
- \$0 in property damages

According to the USDA Risk Management Agency, Wyandotte County can expect on a yearly basis, relevant to hail occurrences:

- No insurance claims
- No acres impacted
- \$0 in insurance claims

In addition, Kansas Region L has had six Presidentially Declared Disasters relating to severe storms (of which hail is a potential component) in the last 20 years. This represents an average of less than one declared severe storm (hailstorm) related disaster per year.

4.20.4 – Vulnerability Analysis

For purposes of this assessment, all counties within the region were determined to be at equal risk to hailstorm events.

The following table presents data from the NOAA NCEI and HAZUS concerning the value of structures and the percentage of structures for each Kansas Region L county incurring damage over the period 2009 to 2018 from hailstorm events. A greater percentage of damaged structures damaged may indicate a greater potential future vulnerability.

Table 4.132: Kansas Region L Structural Vulnerability Data for Hailstorms

County	HAZUS Building Valuation	NCEI Structure Damage, Hail 2009-2018	Percentage of Building Valuation Damaged by Hail
Johnson	\$124,279,962,000	\$13,020	0.00001%
Leavenworth	\$13,050,342,000	\$1,200	0.00001%
Wyandotte	\$29,708,946,000	\$0	0.0%

Source: NCEI and HAZUS

The USDA 2012 Census of Agriculture (the latest available data) provides data on the crop exposure value, the total dollar value of all crops, for each Kansas Region L County. USDA Risk Management Agency crop loss data allows us to quantify the monetary impact of hailstorm conditions on the agricultural sector. The higher the percentage loss, the higher potential future vulnerability the county may have to hailstorm events.



Table 4.133: Kansas Region L USDA Annual Hailstorm Percentage Impact Data, 2014-2018

Jurisdiction	Farm Acreage	Annual Acres Impacted	Annual Percentage of Total Acres Impacted	Market Value of Products Sold	Annualized Crop Insurance Paid	Annual Percentage of Market Value Impacted
Johnson	99,354	39	0.004%	\$24,370,000	\$1,191	0.005%
Leavenworth	184,471	13	0.01%	\$36,367,000	\$2,231	0.01%
Wyandotte	12,009	0	0.0%	\$3,291,000	\$0	0.0%

Source: USDA

4.20.5 – Impact and Consequence Analysis

As per EMAP requirements, the following table provides the Consequence Analysis.

Table 4.134: Hailstorm Consequence Analysis

Subject	Impacts of Hailstorm
Health and Safety of the Public	Severity and location dependent. Impacts on persons in the areas of hail are expected to be severe if caught without proper shelter.
Health and Safety of Responders	Impacts will be predicated on the severity of the event. Damaged infrastructure will likely result in hazards such as downed utility lines, main breakages and debris on roadways. .
Continuity of Operations	Temporary relocation may be necessary if government facilities experience damage. Services may be limited to essential tasks if utilities are impacted.
Property, Facilities, and Infrastructure	Impact to property, facilities, and infrastructure could be minimal to severe, depending on the location and structural capacity of the facility. Loss of structural integrity of buildings and infrastructure could occur. Utility lines, roads, residential and business properties will be affected.
Environment	Impact could be severe for the immediate impacted area, depending on the size of the event. Impact will lessen as distance increases from the immediate incident area
Economic Conditions	Impacts to the economy will be dependent severity of the event and the impact on structures and infrastructure. Impacts could be severe if roads/utilities are affected.
Public Confidence in the Jurisdiction’s Governance	Response and recovery will be in question if not timely and effective. Warning systems in place and the timeliness of those warnings could be questioned.



4.21 – Extreme Temperatures

Extreme temperature events occur when climate conditions produce temperatures well outside of the predicted norm. These extremes can have severe impacts on human health and mortality, natural ecosystems, agriculture, and other economic sectors.

4.21.1 – Location and Extent

The Midwest climate region is known for extremes in temperature. Specifically, Kansas lacks any mountain ranges that could act as a barrier to cold air masses from the north or hot, humid air masses from the south or any oceans or large bodies of water that could provide a moderating effect on the climate. The polar jet stream is often located over the region during the winter, bringing frequent storms and precipitation. Kansas summers are generally warm and humid due to the clockwise air rotation caused by Atlantic high-pressure systems bringing warm humid air up from the Gulf of Mexico.

All of Kansas Region L is vulnerable to both extreme heat and extreme cold, defined as follows.

Table 4.135: Extreme Temperature Definitions

Term	Definition
Extreme Heat	Extreme heat is defined as temperatures that hover 10 degrees or more above the average high temperature for the region and last for several weeks. Ambient air temperature is one component of heat conditions, with relative humidity being the other. Humid or muggy conditions, which add to the discomfort of high temperatures, occur when an area of high atmospheric pressure traps moisture laden air near the ground.
Extreme Cold	Although no specific definition exists for extreme cold, an extreme cold event can generally be defined as temperatures at or below freezing for an extended period of time. Extreme cold events are usually part of Winter Storm events but can occur during anytime of the year and can have devastating effects on agricultural production.

Data from the following High Plains Regional Climate Center weather stations from the first available date to present was obtained to illustrate temperature norms.

Table 4.136: Johnson County Average Temperatures

Month	Mean Max Temperature Normal (°F)	Mean Min Temperature Normal (°F)	Mean Avg Temperature Normal (°F)
January	39.1	21.0	30.1
February	44.5	25.1	34.8
March	55.3	34.5	44.9
April	65.2	45.0	55.1
May	74.4	55.0	64.7
June	82.8	63.8	73.3
July	87.7	68.8	78.3
August	87.4	67.9	77.6
September	78.7	58.5	68.6



Table 4.136: Johnson County Average Temperatures

Month	Mean Max Temperature Normal (°F)	Mean Min Temperature Normal (°F)	Mean Avg Temperature Normal (°F)
October	66.9	47.1	57.0
November	53.4	34.6	44.0
December	41.0	23.8	32.4

Source: High Plains Regional Climate Center, Olathe Johnson County Executive Airport Station, 1981-2010

Table 4.137: Leavenworth County Average Temperatures

Month	Mean Max Temperature Normal (°F)	Mean Min Temperature Normal (°F)	Mean Avg Temperature Normal (°F)
January	38.9	19.4	29.2
February	44.5	23.6	34.1
March	55.7	32.7	44.2
April	66.8	43.3	55.1
May	76.4	54.2	65.3
June	84.9	63.4	74.1
July	89.8	68.5	79.2
August	88.4	66.5	77.4
September	79.6	56.7	68.2
October	68.1	45.7	56.9
November	53.8	33.3	43.5
December	41.1	22.6	31.8

Source: High Plains Regional Climate Center, Leavenworth Station, 1981-2010

Table 4.138: Wyandotte County Average Temperatures

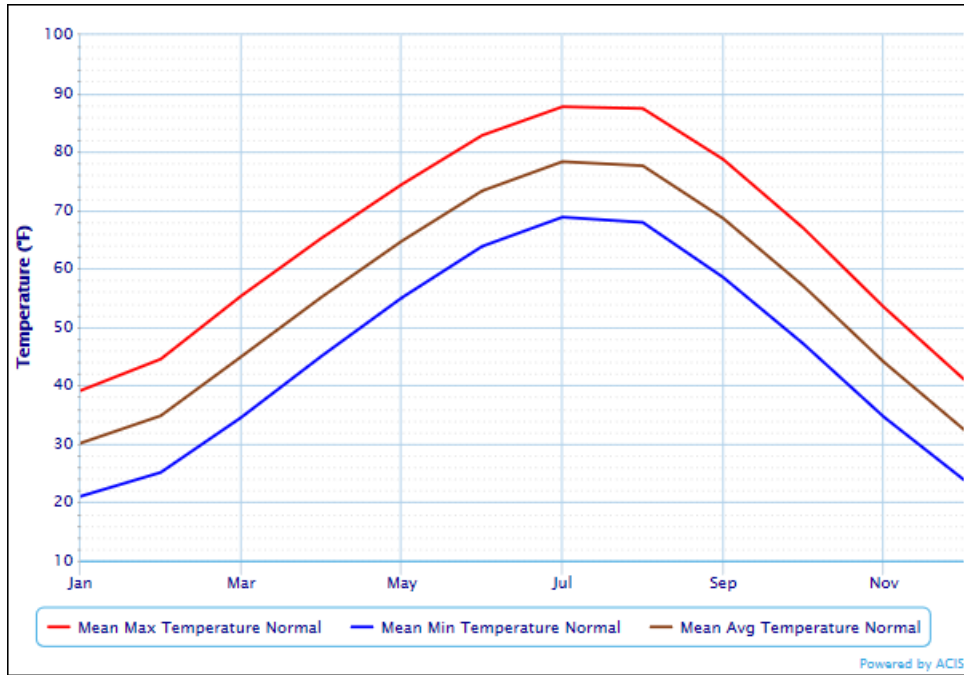
Month	Mean Max Temperature Normal (°F)	Mean Min Temperature Normal (°F)	Mean Avg Temperature Normal (°F)
January	39.3	16.6	28.0
February	44.6	21.2	32.9
March	55.1	31.3	43.2
April	65.2	41.0	53.1
May	74.5	52.6	63.6
June	82.7	62.2	72.5
July	88.1	67.2	77.6
August	87.1	65.2	76.1
September	79.1	56.0	67.6
October	67.3	43.0	55.2
November	54.4	31.7	43.1
December	41.2	20.6	30.9

Source: High Plains Regional Climate Center, Bonner Springs Station, 1981-2010

The following graphs illustrate the above data.

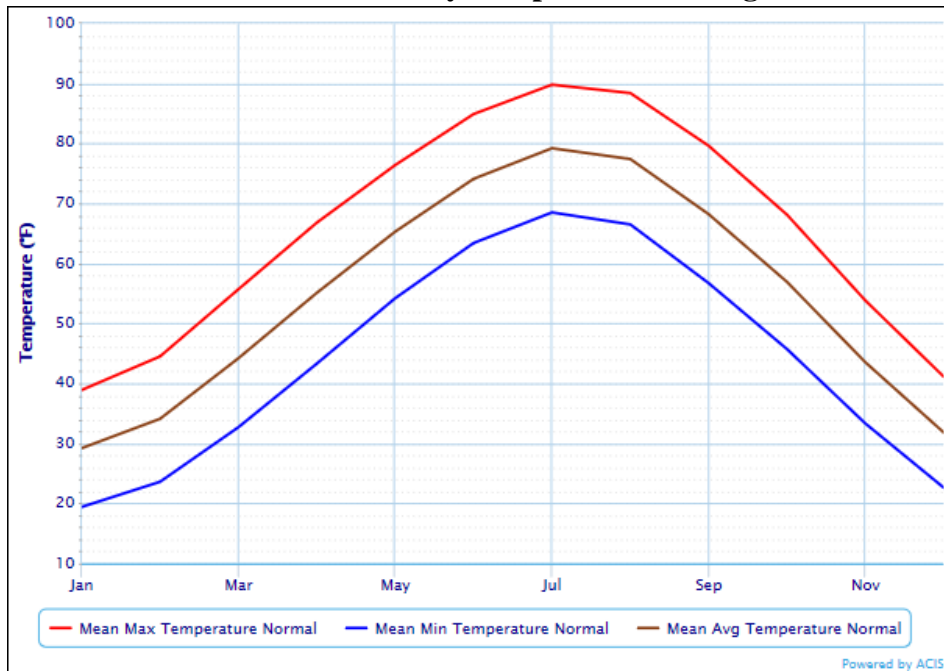


Johnson County Temperature Averages



Source: High Plains Regional Climate Center, Olathe Johnson County Executive Airport, 1981-2010

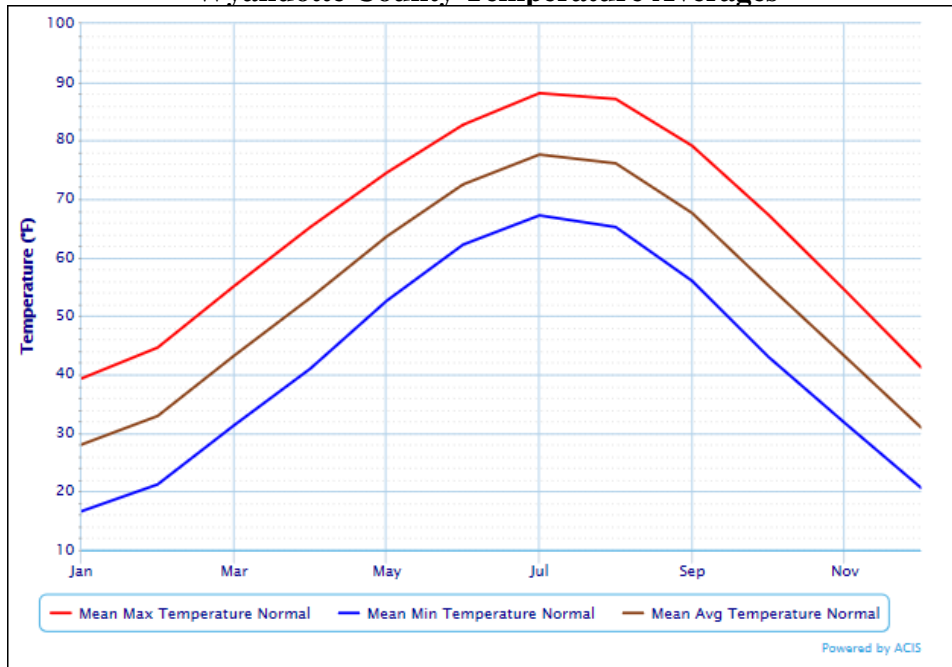
Leavenworth County Temperature Averages



Source: High Plains Regional Climate Center, Leavenworth Station, 1981-2010



Wyandotte County Temperature Averages



Source: High Plains Regional Climate Center, Bonner Springs Station, 1981-2010

When discussing weather patterns climate change should be considered as it may markedly change future weather-related events. There is a scientific consensus that climate change is occurring, and recent climate modeling results indicate that extreme weather events may become more common. Rising average temperatures produce a more variable climate system which may result in an increase in the frequency and severity of some extreme weather events including longer and hotter heat waves (and by correlation, an increased risk of wildfires), higher wind speeds, greater rainfall intensity, and increased tornado activity.

4.21.2 – Previous Occurrences

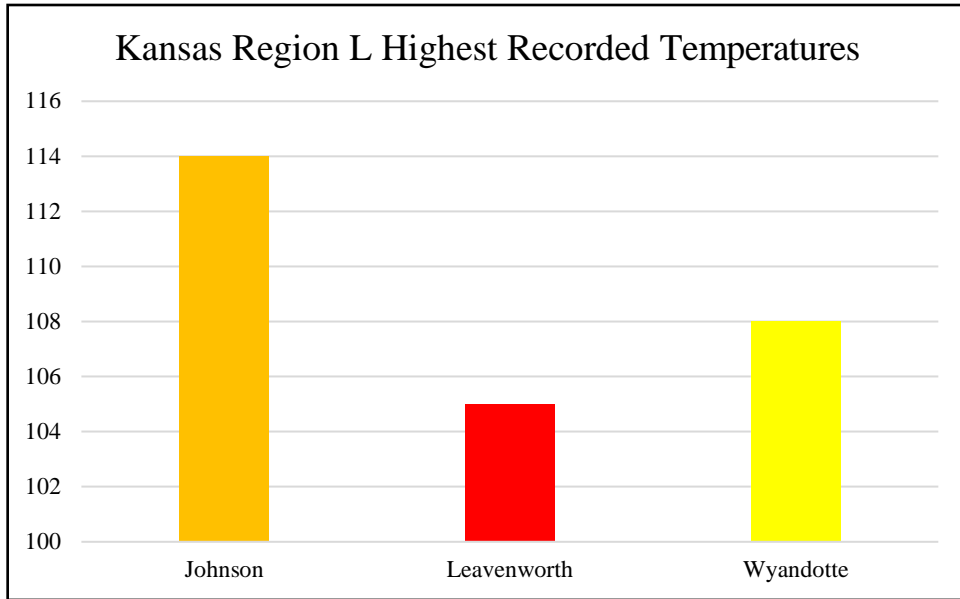
Data from the High Plains Regional Climate Center indicates the following historic high and low temperatures.

Table 4.139: Kansas Region L Historic Temperatures

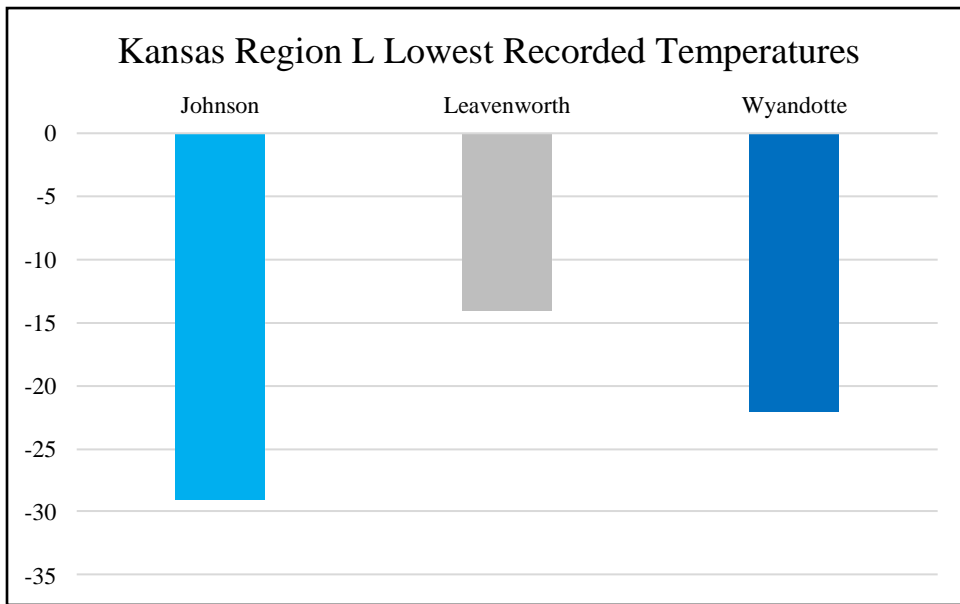
County	Historic Low Temperature (F)	Historic High Temperature (F)
Johnson	-29	114
Leavenworth	-14	105
Wyandotte	-22	108

Source: High Plains Regional Climate Center





Source: High Plains Regional Climate Center



Source: High Plains Regional Climate Center

In addition to the above reported events, the following table presents National Oceanic and Atmospheric Administration (NOAA) National Centers for Environmental Information (NCEI) identified extreme temperature events (Excessive Heat and Extreme Cold/Wind Chill) and the resulting damage totals in Kansas Region L from the period 2013- 2018.



Table 4.140: Kansas Region L NCEI Extreme Temperature Events, 2009 - 2018

County	Event Type	Number of Events	Property Damage	Deaths	Injuries
Johnson	Cold	0	\$0	0	0
	Heat	2	\$0	0	0
Leavenworth	Cold	0	\$0	0	0
	Heat	2	\$0	0	0
Wyandotte	Cold	0	\$0	0	0
	Heat	2	\$0	0	0

Source: NOAA NCEI

Available crop loss data from the USDA Risk Management Agency detailing cause of loss was researched to determine the financial impacts of extreme temperature on the region’s agricultural base. Crop loss data for the years 2014- 2018 (with 2014 and 2018 being full data years), for the region, indicates seven extreme temperature related claim on 670 acres for \$17,096.

**Table 4.141: USDA Risk Management Agency Cause of Loss Indemnities
2014-2018, Extreme Temperatures**

County	Number of Reported Claims	Acres Lost	Total Amount of Loss
Johnson	1	56	\$5,942
Leavenworth	6	673	\$12,356
Wyandotte	0	0	\$0

Source: USDA

4.21.3 – Hazard Probability Analysis

Although periods of extreme heat and cold occur on an annual basis, events that create a serious public health risk or threaten infrastructure capacity occur less often. An extreme heat event is more likely to occur in the months of June, July, August, and September, and an extreme cold event is more likely to occur in the months of November, December, January, February, and March. Also, the EPA has projected that with climate changes in the Great Plains, temperatures will continue to increase and impact all Kansas Region L communities.

The following table summarizes extreme temperature event data for **Johnson County**.

Table 4.142: Johnson County Extreme Temperature Probability Summary

Data	Recorded Impact
Number of Days with NCEI Reported Event (2009-2018)	2
Average Events per Year	<1
Number of Days with Event and Death or Injury (2009-2018)	0
Average Number of Days with Event and Injury or Death	0
Total Reported NCEI Property Damage (2009-2018)	\$0
Average Property Damage per Year	\$0
USDA Farm Service Agency Number of Crop Damage Claims (2014-2018)	1
Average Number of Claims per Year	<1
USDA Farm Service Agency Number of Acres Damaged (2014-2018)	56
Average Number of Acres Damaged per Year	11



Table 4.142: Johnson County Extreme Temperature Probability Summary

Data	Recorded Impact
USDA Farm Service Agency Crop Damage Claims Amount (2014-2018)	\$5,942
Average Crop Damage per Year	\$1,188

Source: NCEI and USDA

Data from the NCEI indicates that Johnson County can expect on a yearly basis, relevant to extreme temperature events:

- <1 extreme temperature event
- No deaths or injuries
- \$0 in property damages

According to the USDA Risk Management Agency, Johnson County can expect on a yearly basis, relevant to extreme temperature occurrences:

- Less than one insurance claims
- 11 acres impacted
- \$1,188 in insurance claims

The following table summarizes extreme temperature event data for **Leavenworth County**.

Table 4.143: Leavenworth County Extreme Temperature Probability Summary

Data	Recorded Impact
Number of Days with NCEI Reported Event (2009-2018)	0
Average Events per Year	0
Number of Days with Event and Death or Injury (2009-2018)	0
Average Number of Days with Event and Injury or Death	0
Total Reported NCEI Property Damage (2009-2018)	\$0
Average Property Damage per Year	\$0
USDA Farm Service Agency Number of Crop Damage Claims (2014-2018)	6
Average Number of Claims per Year	1
USDA Farm Service Agency Number of Acres Damaged (2014-2018)	673
Average Number of Acres Damaged per Year	135
USDA Farm Service Agency Crop Damage Claims Amount (2014-2018)	\$12,356
Average Crop Damage per Year	\$2,471

Source: NCEI and USDA

Data from the NCEI indicates that Leavenworth County can expect on a yearly basis, relevant to extreme temperature events:

- <1 extreme temperature event
- No deaths or injuries
- \$0 in property damages

According to the USDA Risk Management Agency, Leavenworth County can expect on a yearly basis, relevant to extreme temperature occurrences:



- One insurance claim
- 135 acres impacted
- \$2,471 in insurance claims

The following table summarizes extreme temperature event data for **Wyandotte County**.

Table 4.144: Wyandotte County Extreme Temperature Probability Summary

Data	Recorded Impact
Number of Days with NCEI Reported Event (2009-2018)	2
Average Events per Year	<1
Number of Days with Event and Death or Injury (2009-2018)	0
Average Number of Days with Event and Injury or Death	0
Total Reported NCEI Property Damage (2009-2018)	\$0
Average Property Damage per Year	\$0
USDA Farm Service Agency Number of Crop Damage Claims (2014-2018)	0
Average Number of Claims per Year	0
USDA Farm Service Agency Number of Acres Damaged (2014-2018)	0
Average Number of Acres Damaged per Year	0
USDA Farm Service Agency Crop Damage Claims Amount (2014-2018)	\$0
Average Crop Damage per Year	\$0

Source: NCEI and USDA

Data from the NCEI indicates that Wyandotte County can expect on a yearly basis, relevant to extreme temperature events:

- <1 extreme temperature event
- No deaths or injuries
- \$0 in property damages

According to the USDA Risk Management Agency, Wyandotte County can expect on a yearly basis, relevant to extreme temperature occurrences:

- No insurance claims
- No acres impacted
- \$0 in insurance claims

4.21.4 – Vulnerability Analysis

The primary concerns with this hazard are human health safety issues. Specific at-risk groups identified were outdoor workers, farmers, and senior citizens. Due to the potential for fatalities and the possibility for the loss of electric power due to increased strain on power generation and distribution for air conditioning, periods of extreme heat can affect the planning area.

Exposure to direct sun can increase Heat Index values by as much as 15°F. The zone above 105°F corresponds to a Heat Index that may cause increasingly severe heat disorders with continued exposure



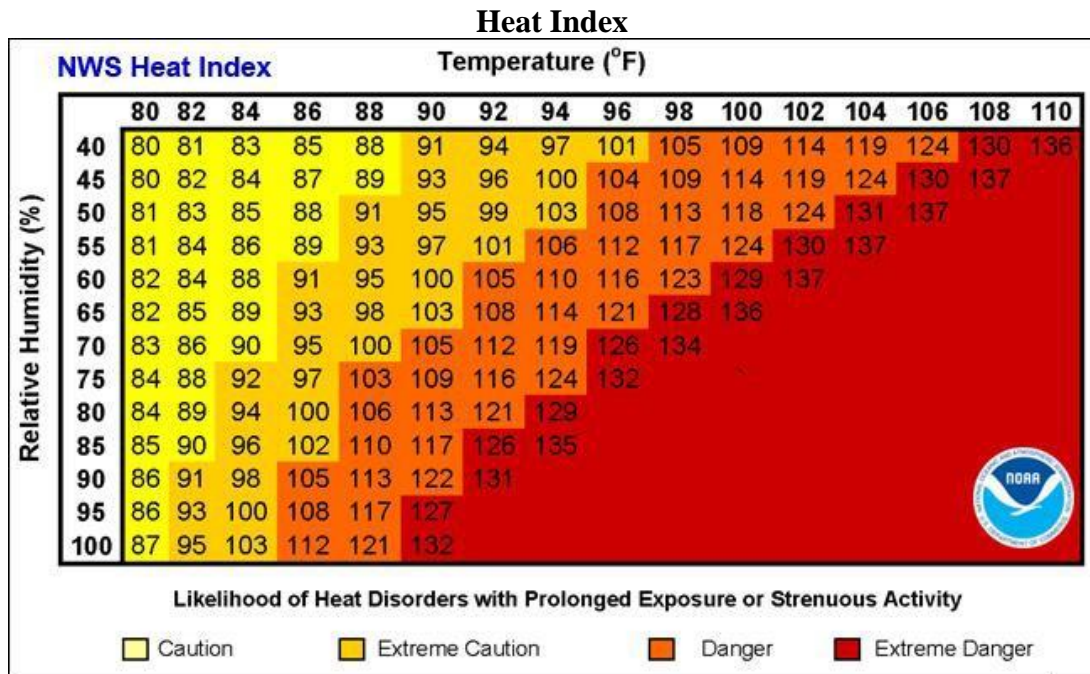
and/or physical activity. The following table discusses potential impacts on human health related to excessive heat.

Table 4.145: Extreme Heat Impacts on Human Health

Heat Index (HI) Temperature	Potential Impact on Human Health
80-90° F	Fatigue possible with prolonged exposure and/or physical activity
90-105° F	Sunstroke, heat cramps, and heat exhaustion possible with prolonged exposure and/or physical activity
105-130° F	Heatstroke/sunstroke highly likely with continued exposure

Source: National Weather Service Heat Index Program

The following graph, from the NWS, indicates Heat Index values.

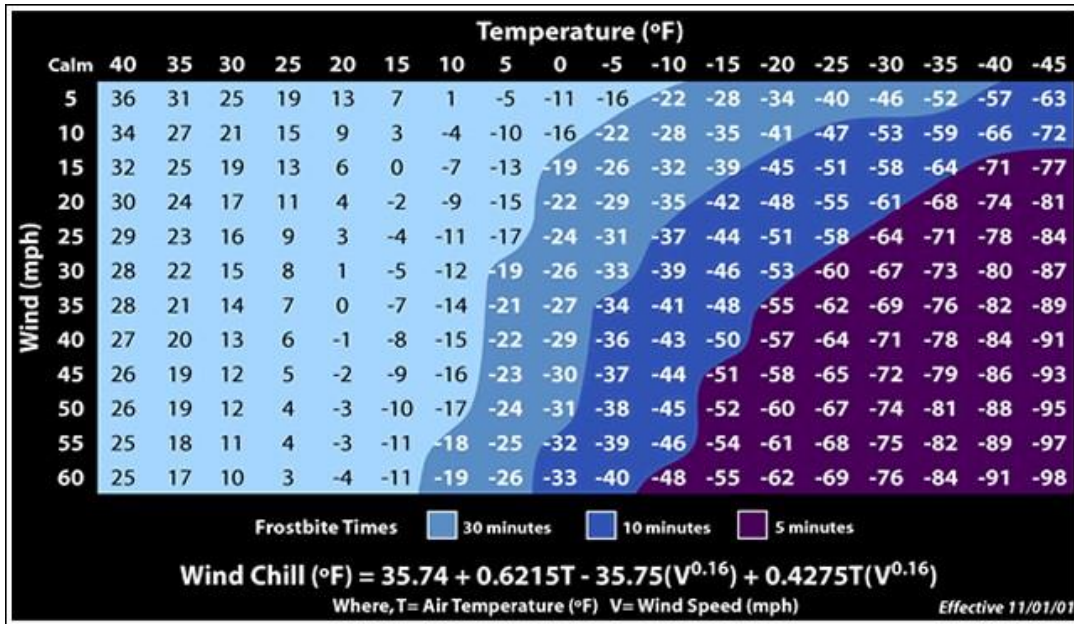


Extreme cold can cause hypothermia, an extreme lowering of the body’s temperature, frostbite and death. Infants and the elderly are particularly at risk, but anyone can be affected. Other impacts of extreme cold include asphyxiation from toxic fumes from emergency heaters, household fires, which can be caused by fireplaces and emergency heaters, and frozen/burst water pipes. There are no specific data sources recording cold related deaths in Kansas.

The following graph, from the NWS, shows wind chill values.



Wind Chill Values



Counties with a high population and/or a growing population may be at increased risk.

Table 4.146: Kansas Region L Population Vulnerability Data for Extreme Temperatures

County	2017 Population	Percent Population Change 2000 to 2017
Johnson	591,178	31.06%
Leavenworth	81,095	18.06%
Wyandotte	165,288	4.69%

The USDA 2012 Census of Agriculture (the latest available data) provides data on the crop exposure value, the total dollar value of all crops, for each Kansas Region L County. USDA Risk Management Agency crop loss data allows us to quantify the monetary impact of extreme temperature conditions on the agricultural sector. The higher the percentage loss, the higher potential future vulnerability the county may have to extreme temperature events.

Table 4.147: Kansas Region L USDA Annual Extreme Temperature Percentage Impact Data, 2014-2018

Jurisdiction	Farm Acreage	Annual Acres Impacted	Annual Percentage of Total Acres Impacted	Market Value of Products Sold	Annualized Crop Insurance Paid	Annual Percentage of Market Value Impacted
Johnson	99,354	39	0.004%	\$24,370,000	\$1,188	0.005%
Leavenworth	184,471	13	0.01%	\$36,367,000	\$2,471	0.01%
Wyandotte	12,009	0	0.0%	\$3,291,000	\$0	0.0%

Source: USDA



4.21.5 – Consequence Analysis

As per EMAP requirements, the following table provides the Consequence Analysis.

Table 4.148: Extreme Temperature Consequence Analysis

Subject	Impacts of Extreme Temperatures
Health and Safety of the Public	Depending on the duration of the event, impact is expected to be severe for unprepared and unprotected persons. Impact will be minimal to moderate for prepared and protected persons.
Health and Safety of Responders	Impact could be severe if proper precautions are not taken, i.e. hydration in heat, clothing in extreme cold. With proper preparedness and protection, the impact would be minimal.
Continuity of Operations	Minimal expectation for utilization of the COOP.
Property, Facilities, and Infrastructure	Impact to infrastructure could be minimal to severe depending on the temperature extremes.
Environment	The impact to the environment could be severe. Extreme heat and extreme cold could seriously damage wildlife and plants, trees, crops, etc.
Economic Conditions	Impacts to the economy will be dependent on how extreme the temperatures get, but only in the sense of whether people will venture out to spend money. Utility bills could increase causing more financial hardship.
Public Confidence in the Jurisdiction’s Governance	Confidence will be dependent on how well utilities hold up as they are stretched to provide heat and cool air, depending on the extreme. Planning and response could be challenged.



4.22 – Dam and Levee Failure

A dam is a barrier across flowing water that obstructs, directs or slows down the flow, often creating a reservoir, lake or impoundments. Common reasons for dam failure include:



- Flooding
- Sub-standard construction materials/techniques
- Spillway design error
- Geological instability caused by changes to water levels during filling or poor surveying
- Sliding of a mountain into the reservoir
- Poor maintenance, especially of outlet pipes
- Human, computer or design error
- Internal erosion, especially in earthen dams
- Earthquakes

A levee is an artificial barrier, usually an earthen embankment, constructed along rivers to protect adjacent lands from flooding. Common reasons for levee failure include:

- Surface erosion due to water velocities
- Subsurface actions
- Flood waters exceeding the design capacity of the structure

4.22.1 – Dam Location and Extent

In Kansas, the State has regulatory jurisdiction over non-federal dams that meet the following definition of a “jurisdictional” dam as defined by K.S.A. 82a-301 et seq, and amendments thereto:

- *any artificial barrier including appurtenant works with the ability to impound water, waste water or other liquids that has a height of 25 feet or more; or has a height of six feet or greater and also has the capacity to impound 50 or more acre feet. The height of a dam or barrier shall be determined as follows: (1) A barrier or dam that extends across the natural bed of a stream or watercourse shall be measured from the downstream toe of the barrier or dam to the top of the barrier or dam; or (2) a barrier or dam that does not extend across a stream or watercourse shall be measured from the lowest elevation of the outside limit of the barrier or dam to the top of the barrier or dam.*

The KDA Division of Water Resources (KDA-DWR) is the State agency responsible for regulation of jurisdictional dams. Within the DWR, the Water Structures Program has the following responsibilities:

- Reviewing and approving of plans for constructing new dams and for modifying existing dams
- Ensuring quality control during construction,
- Monitoring dams that, if they failed, could cause loss of life, or interrupt public utilities or services



The KDA-DWR uses a three-tiered classification system to describe the potential risk and severity associated with dam failure, with the tiers relating to potential downstream impact rather than the physical condition of the dam.

- **High Hazard (Class C):** Dams assigned the high hazard-potential classification are those where failure could result in any of the following: extensive loss of life, damage to more than one home, damage to industrial or commercial facilities, interruption of a public utility serving a large number of customers, damage to traffic on high-volume roads that meet the requirements for hazard class C dams or a high-volume railroad line, inundation of a frequently used recreation facility serving a relatively large number of persons, or two or more individual hazards described in hazard class B. Emergency Action Plans (EAPs) are required for all High Hazard Dams.
- **Significant Hazard (Class B):** Dams assigned the significant hazard-potential classification are those dams where failure could endanger a few lives, damage an isolated home, damage traffic on moderate volume roads that meet the requirements for hazard class B dams, damage low-volume railroad tracks, interrupt the use or service of a utility serving a small number of customers, or inundate recreation facilities, including campground areas intermittently used for sleeping and serving a relatively small number of persons.
- **Low Hazard (Class A):** Dams assigned the low hazard-potential classification are those where failure could damage only farm or other uninhabited buildings, agricultural or undeveloped land including hiking trails, or traffic on low-volume roads that meet the requirements for hazard class A dams.

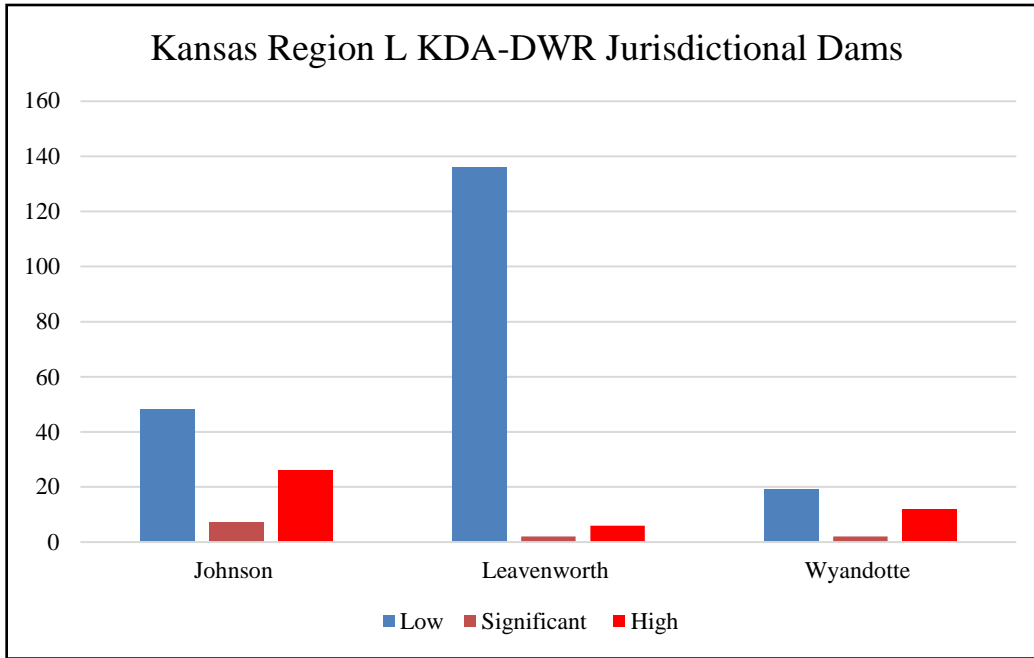
According to the KDA-DWR, there are 258 jurisdictional dams in Kansas Region L. These dams are classified as follows.

Table 4.149: Kansas Region L KDA-DWR Jurisdictional Dams

County	Low	Significant	High	High Hazard Without EAP	Total Dams
Johnson	48	7	26	4	81
Leavenworth	136	2	6	0	144
Wyandotte	19	2	12	1	33

Source: KDA-DWR



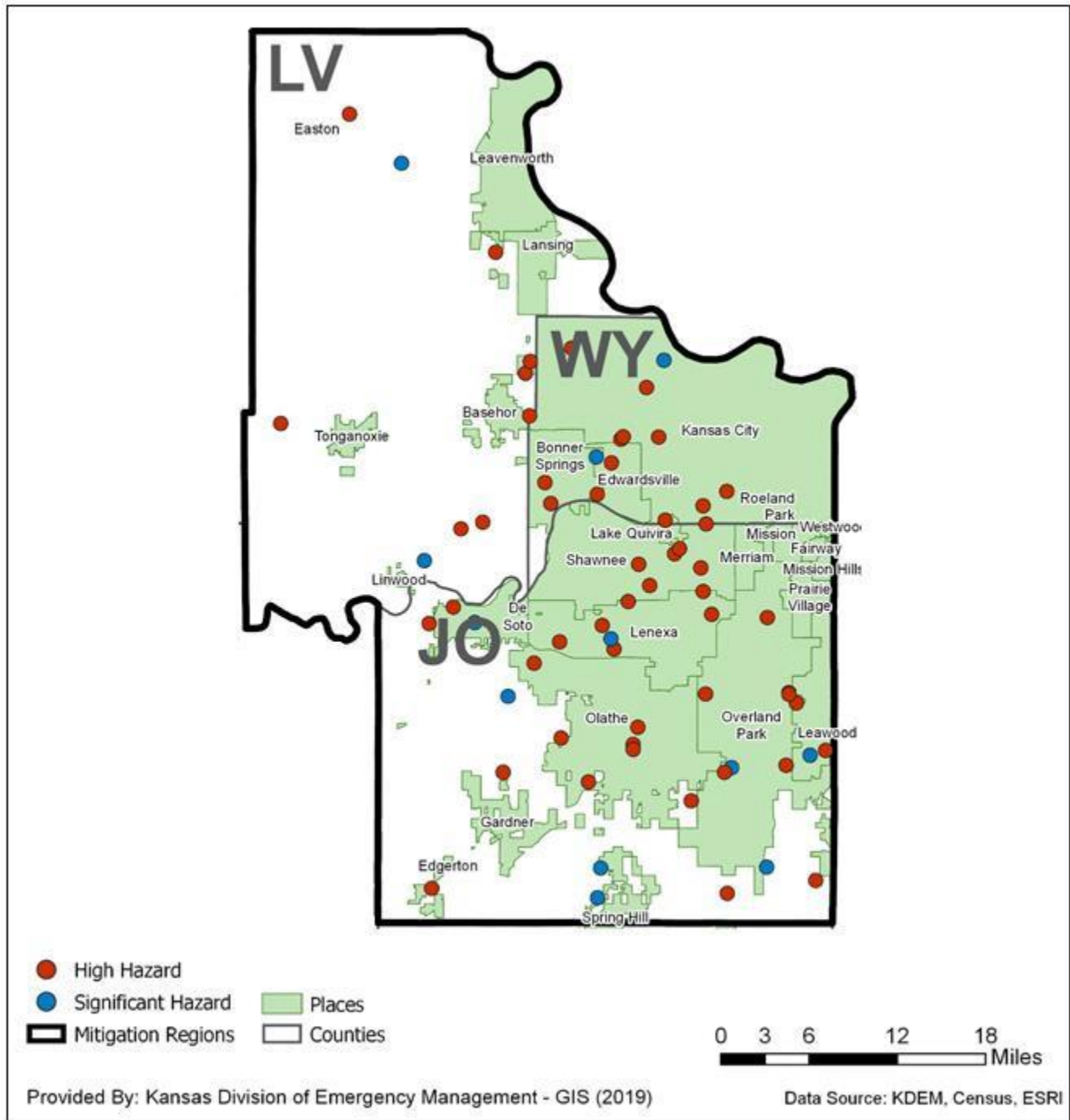


Source: KDA-DWR

The following map show all identified dams within Kansas Region L with a Significant or High classification.



Significant and High Hazard Dams in Kansas Region L



In addition, the KDA-DWR indicates that there are three dams within the state that are operated by Federal Government agencies.



Table 4.150: Kansas Region L Federally Operated Dams

County	Federal Reservoir Name	Operating Agency
Johnson	Sunflower Pond B Dam	United States Army
Leavenworth	Merritt Lake	United States Army
Leavenworth	Smith Lake	United States Army

Source: KDA-DWR

Of particular interest for Region L are the Dams/Reservoirs in Nebraska. As evidenced during the 2011 Missouri River flooding, the dams upstream can play a huge role in what happens downstream. When releases exceed capacity, it creates a domino effect on the dams and levees downstream in Kansas, ultimately leading to the planning area via the Missouri River. There are nine high hazard dams in southern Nebraska that, if a failure were to occur, could potentially impact the region. These dams, and the Nebraska county they are in, are as follows:

- Harlan County: Harlan County Dam
- Thayer County: Hebron Dam
- Gage County: Little Indian Creek 15A Dam, Upper Big Nemaha 25C Dam, Mud Creek 2A Dam, and Big Indian Creek 14B Dam.
- Richardson County: Long Branch 21 Dam

4.22.2 – Levee Location and Extent

As there is no one, comprehensive list of all levees within the region, two sources of data were reviewed to determine a list of all known levees. These sources are:

- The USACE Integrated National Levee Database (NLD), containing levees enrolled in the USACE National Levee Safety Program (NLSP).
- The FEMA National Levee Inventory Report (NLIR)

According to the USACE Integrated NLD, there are 65 levees in the NLSP in Kansas Region L. The following table provides available information on these levees.

Table 4.151: Kansas Region L USACE NLD Levees

County(ies)	Jurisdiction(s)	Name	Waterway	Segment Count	Levee Miles	Leveed Area in Square Miles	Inspection Rating Description	Sponsors
Johnson	De Soto	Johnson Kansas River 2	Kansas River	1	3.138663542	1.171584907	Not Inspected	Undefined
Johnson	Shawnee	LJF-0228		1	1.880826342	0.966509033	Not Inspected	
Leavenworth	Eudora	Fall Leaf Drainage District	Kansas River	1	1.060210225	1.101081771	Not Inspected	Fall Leaf Drainage District
Leavenworth	Leavenworth	Ft. Leavenworth, Kansas	Missouri River	1	3.107642331	1.023001878	Not Inspected	Ft. Leavenworth, Kansas
Leavenworth	Leavenworth	Grape-Bollin-Schwartz	Missouri River	1	2.947039767	0.13032937	Not Inspected	Grape-Bollin-



Table 4.151: Kansas Region L USACE NLD Levees

County(ies)	Jurisdiction(s)	Name	Waterway	Segment Count	Levee Miles	Leveed Area in Square Miles	Inspection Rating Description	Sponsors
		Levee Association						Schwartz Levee Association
Leavenworth	Lansing	Kansas Department of Corrections	Missouri River	1	9.476682866	4.67086285	Not Inspected	Kansas Department of Corrections
Leavenworth	Tonganoxie	LLV-0001, LLV-0103	-	1	1.119446759	0.469225456	Not Inspected	
Leavenworth	Tonganoxie	LLV-0005	-	1	0.383389548	0.022967413	Not Inspected	
Leavenworth	Tonganoxie	LLV-0014	-	1	0.494781772	0.06670672	Not Inspected	
Leavenworth	Easton	LLV-0049	-	1	0.449959295	0.117075614	Not Inspected	
Leavenworth	Tonganoxie	LLV-0055	-	1	0.300857906	0.016785064	Not Inspected	
Leavenworth	De Soto	LLV-0125, LJO-0002, LLV-0003	-	1	0.803962074	0.204667348	Not Inspected	
Leavenworth, Wyandotte	Kansas City	Wolcott Drainage District Section 1	Missouri River	1	4.330172913	1.369581226	Not Inspected	Wolcott Drainage District
Wyandotte	Kansas City	Argentine Unit	Kansas River	1	5.212174127	3.087744981	Minimally Acceptable	Kaw Valley Drainage District
Wyandotte	Kansas City	Armourdale Unit	Kansas River	1	5.301625119	3.080811064	Minimally Acceptable	Kaw Valley Drainage District
Wyandotte	Kansas City	Fairfax-Jersey Creek	Missouri River	2	5.255743514	3.348527932	Minimally Acceptable	Fairfax Drainage District, Kaw Valley Drainage District
Wyandotte	Kansas City	Nearman Creek Power Station Levee	Missouri River	1	1.616033092	0.262886893	Not Inspected	Nearman Creek Power Station
Wyandotte	Kansas City	Turkey Creek LB Levee and Restored Channel	Turkey Creek	1	0.495527618	0.049640974	Not Inspected	United Government of Wyandotte County
Wyandotte	Kansas City	Wolcott Drainage District Section 2	Missouri River	1	3.690474921	1.40295263	Not Inspected	Wolcott Drainage District
Wyandotte	Kansas City	Wolcott Drainage	Missouri River	1	2.411888024	0.304154651	Not Inspected	Wolcott Drainage District



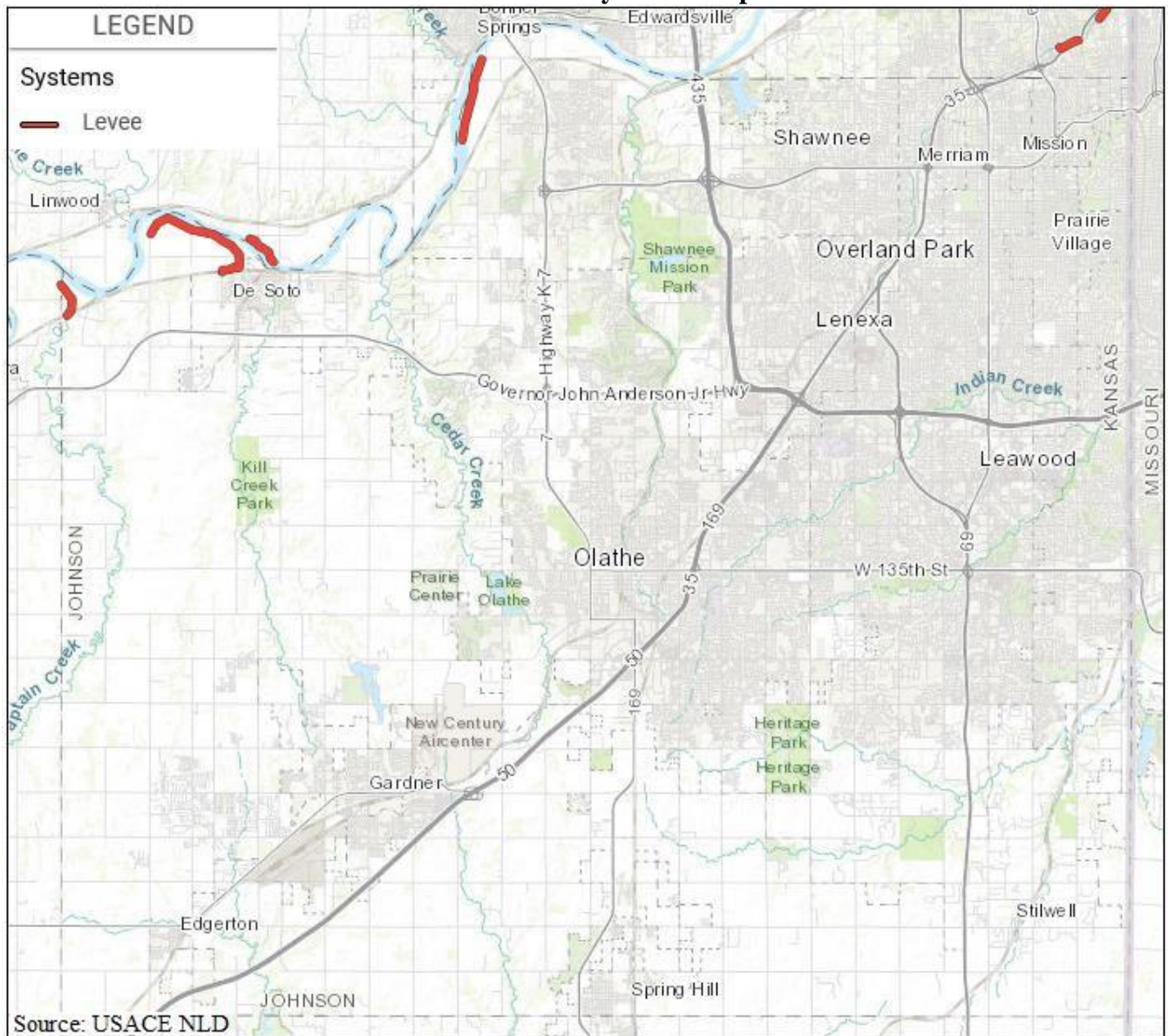
Table 4.151: Kansas Region L USACE NLD Levees

County(ies)	Jurisdiction(s)	Name	Waterway	Segment Count	Levee Miles	Leveed Area in Square Miles	Inspection Rating Description	Sponsors
		District Section 3						

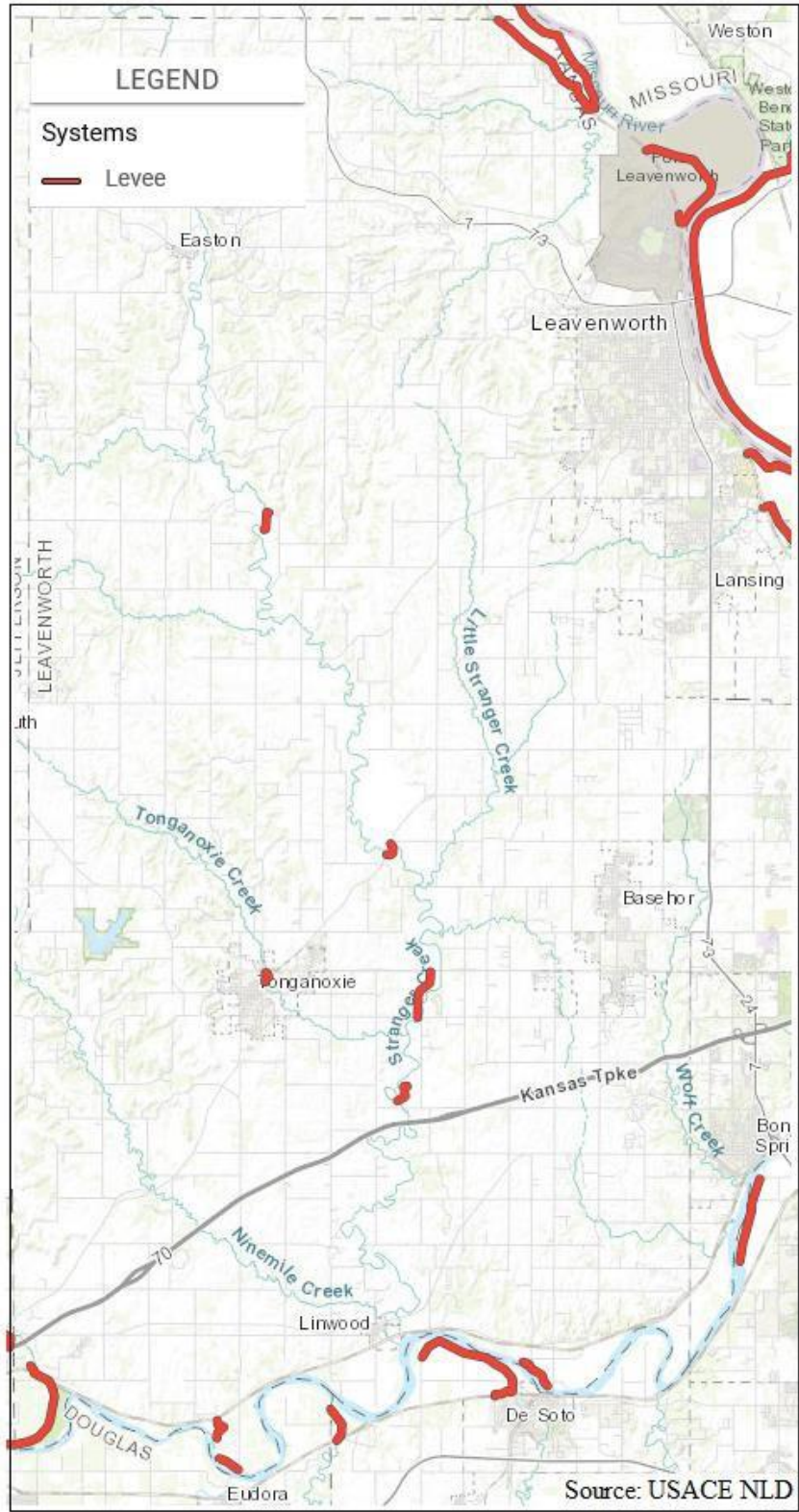
Source: USACE
 -: Data unknown

The following maps detail levee locations for each participating Kansas Region L county.

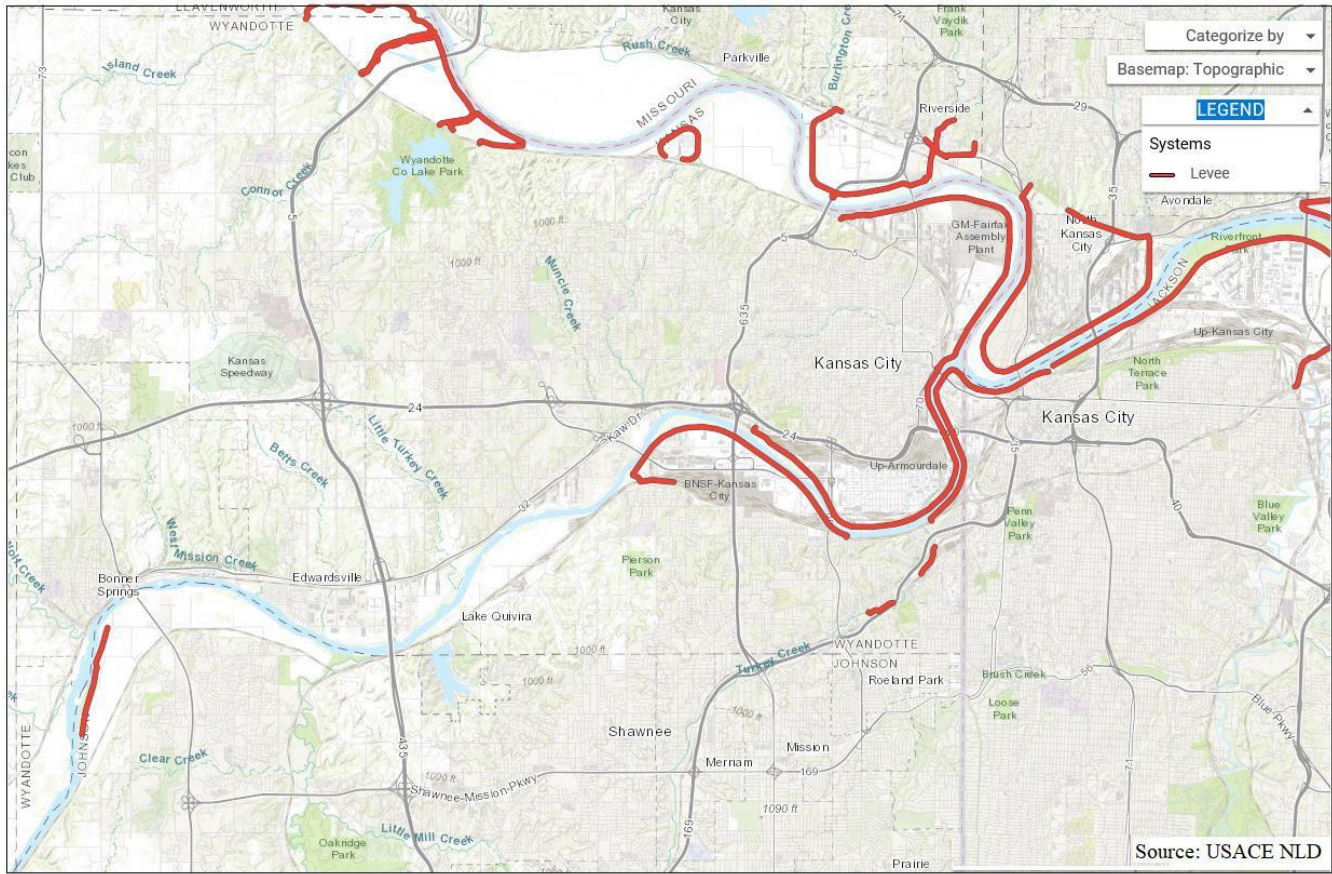
Johnson County Levee Map



Leavenworth County Levee Map



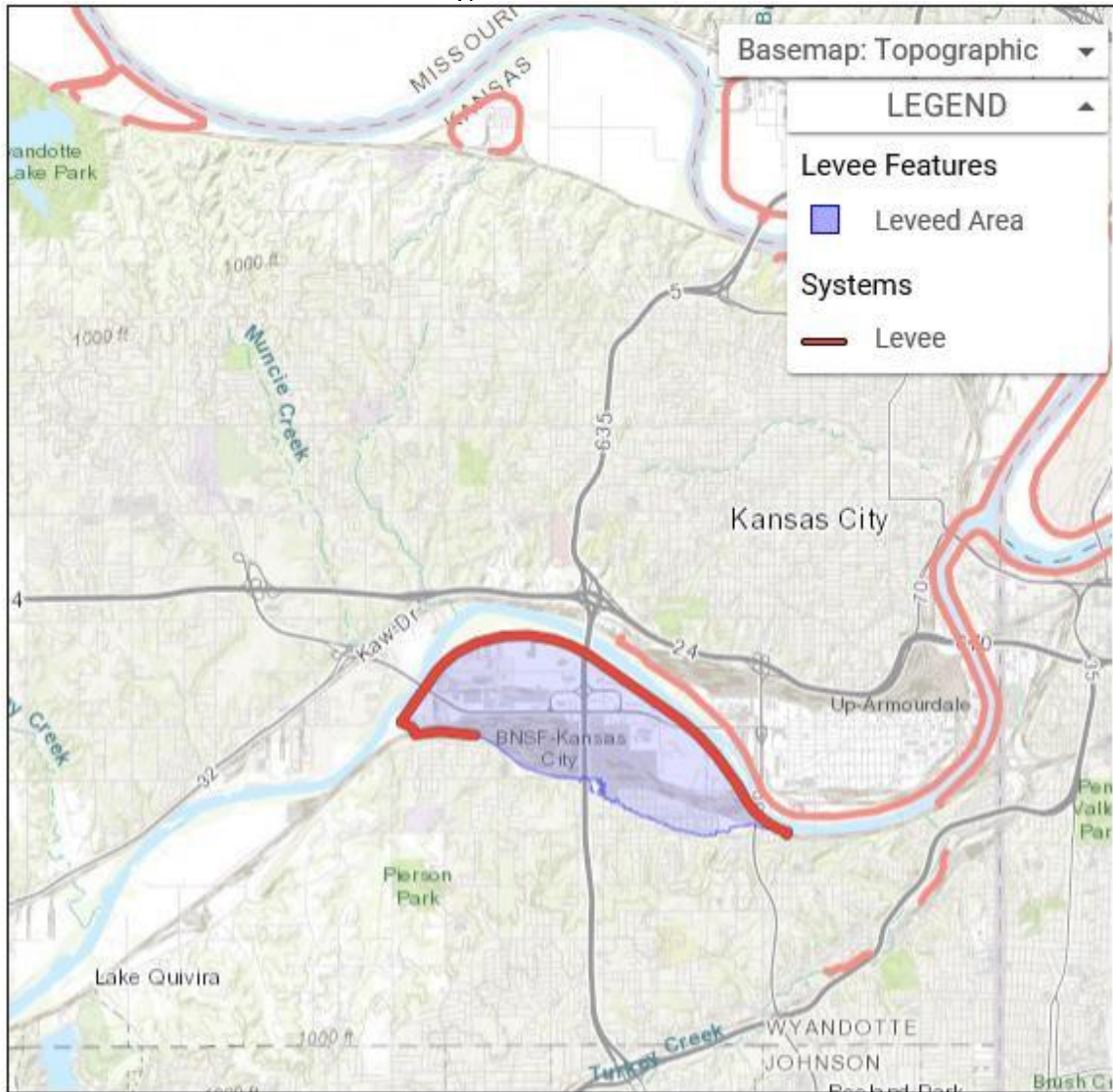
Wyandotte County Levee Map



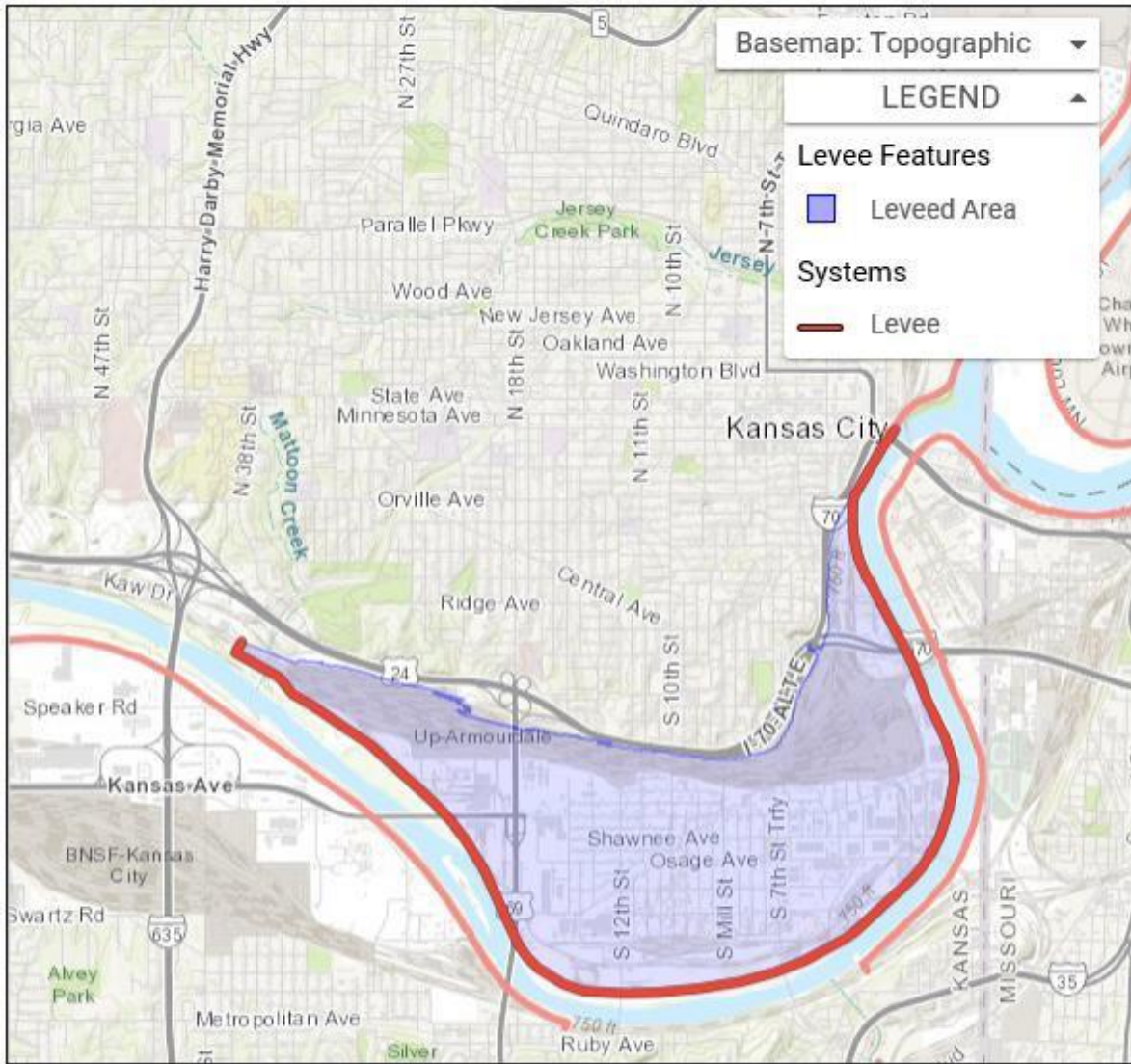
In addition, the following present maps for individual levees identified as protecting larger populations, all in Wyandotte County.



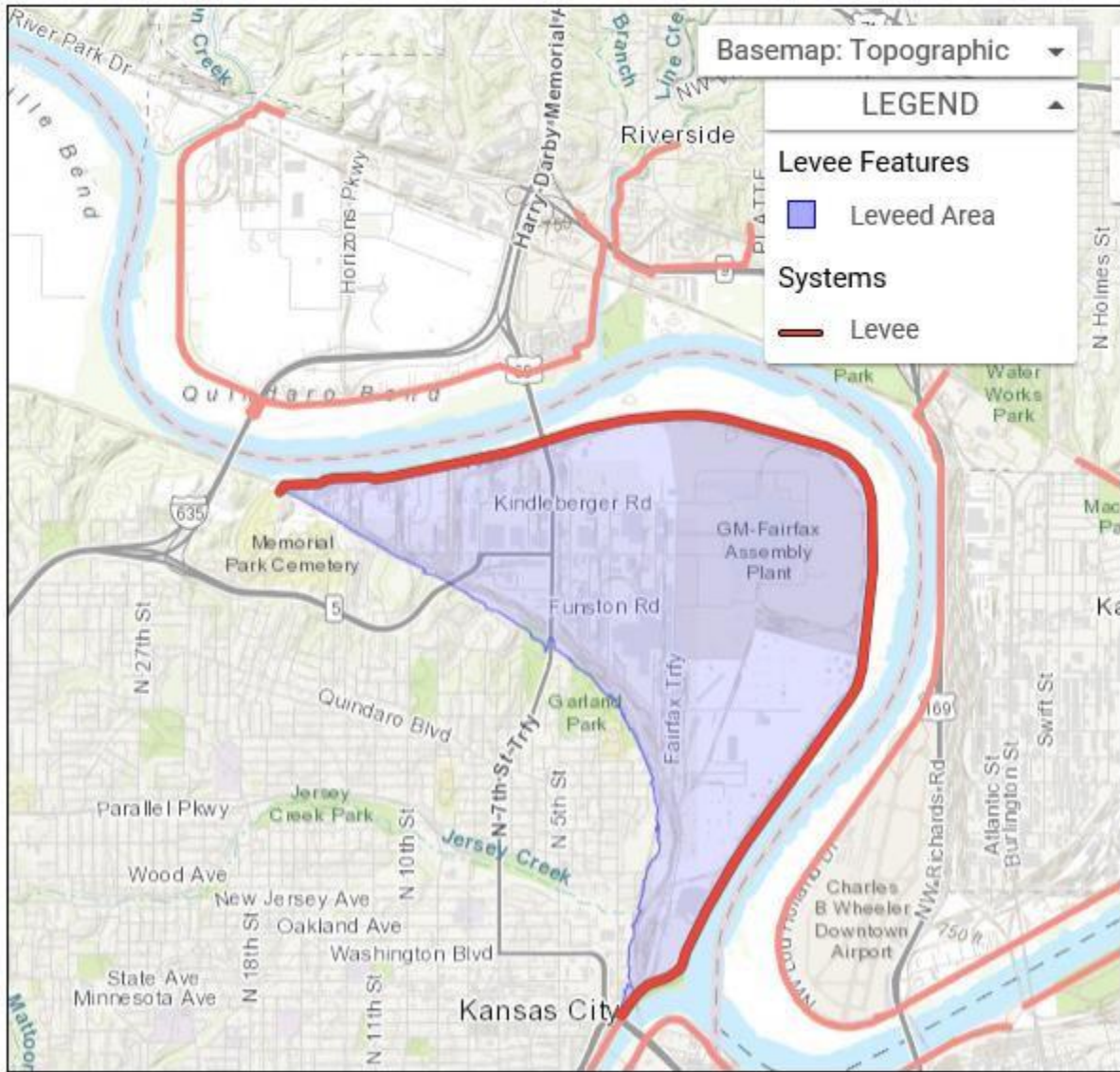
Argentine Unit Levee



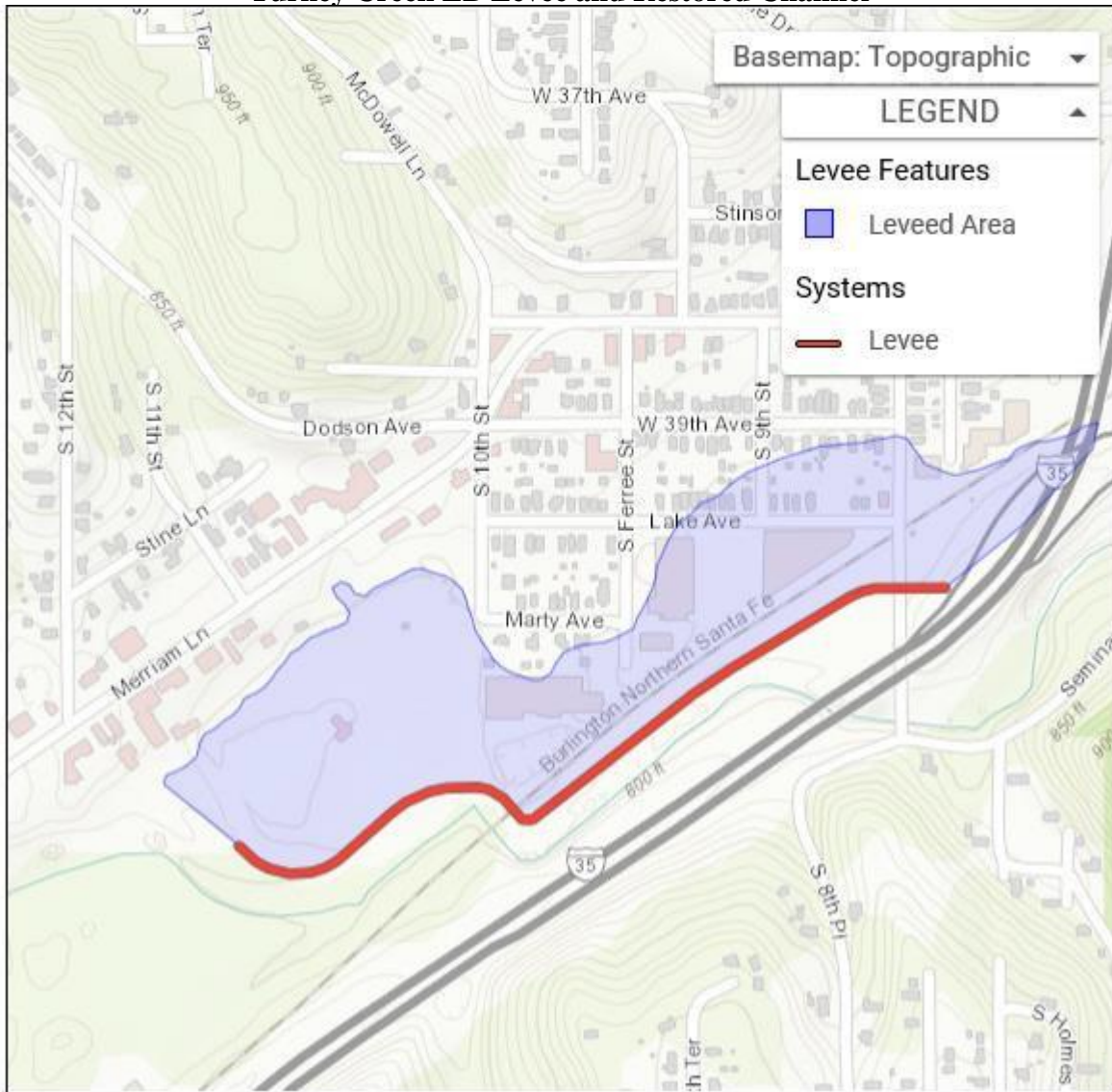
Armourdale Unit Levee



Fairfax-Jersey Creek Levee



Turkey Creek LB Levee and Restored Channel



Local Mitigation Concerns

Kansas Region L has its borders on the Missouri River and the Kansas River, which are prone to flooding during high precipitation events. As with the floods of 2011, even states as far north as Montana can add to this problem when they have record snow or rainfall, even when Kansas is in a drought. Ensuring that the levees and dams maintain their structural integrity to protect against breaches, overtopping, and failure continues to be a main priority.

The USACE maintains many levees in and around the planning area, however, there are also levees that are not federally maintained, so local jurisdictions or private property owners are responsible for maintaining the structures. As the levees age, the costs to repair and rebuild them will increase.



4.22.3 – Previous Occurrences

Kansas Region L has been fortunate enough to not have any reported dam failures that have resulted in the loss of life. Below are the reported dam failures for the region.

Table 4.152: Kansas Region L Dam Incidents

Dam Name	County	Incident Type	Failure	Incident Date	Deaths
Ksnoname 2987	Wyandotte	Seepage; Piping	No	5/14/1997	None Reported
Demaranville, Don, Sarcxie Lake Dam	Leavenworth	Seepage, head cut in the emergency spillway	No	7/25/2001	None Reported
Larson, Dr. O.M.	Leavenworth	Piping, seepage	No	1/22/2001	None Reported
Ksnoname 2987	Wyandotte	Seepage	No	3/6/2002	None Reported

Source: Stanford University National Performance of Dams Program

There have been three recent notable and reported levee failures in Kansas Region L in the past 15 years.

- **2011 Levee System Failures:** The USACE reported that every non-federal levee from Rulo to Wolcott in the State of Kansas were either overtopped or breached as a result of a large flood. Specifically, the following levees along the Missouri River and tributaries in Leavenworth County were breached:
 - Grape Bollin-Schwartz levee
 - Sherman Airfield Levee (federal levee): Water reached the hangars which had been evacuated.
 - Ft. Leavenworth levee
 - Kansas Department of Corrections Levee
- **Wolcott Levee Section 1 and Wolcott Levee Section 2:** In 2009, these two non-federal levees in Leavenworth and Wyandotte counties were damaged as a result of large floods.
- **1993 Levee System Failures:** During the spring floods of 1993, which covered nine Midwest states, nine of the 15 units in the federally constructed Missouri River Levee System and virtually all the nonfederal farm levees in the district were overtopped.

4.8.4 – Hazard Probability Analysis

Due to the variability of the size and construction of the dams in Region L, estimating the probability of dam failure is difficult on any scale greater than a case-by-case basis. Historically, the limited available data indicates there have been four reported dam failure events in Kansas Region L over a 22-year period. Using the binomial probability equation (number of years with an event divided by total number of years in reporting period) we derive a probability 18.2% of a dam failure in a given year. However, it is worth noting that none of the historically reported event resulted in a catastrophic failure, had no loss of life, and no property damages.

Historically, the limited available data indicates there have been three reported levee failure events in Kansas Region L over a 25-year period. Using the binomial probability equation, we derive a probability of 12% for a levee failure in a given year. However, it is worth noting that although both federal and nonfederal levees have been damaged in previous regional flood events the damage has not resulted in catastrophic failure and/or damages.



4.22.5 – Vulnerability Assessment, Dams

Following the metric established in the State of Kansas 2018 Hazard Mitigation Plan, an analysis of vulnerability to dam failure was completed by points being assigned to each type of dam and then aggregated for a total point score for each county. This analysis does not intend to demonstrate vulnerability in terms dam structures that are likely to fail, but rather provides a general overview of the counties that have a high number of dams, with weighted consideration given to dams whose failure would result in greater damages. Points were assigned as follows:

- Low Hazard Dams: 1 point
- Significant Hazard Dams: 2 point
- High Hazard Dams: 3 points
- High Hazard Dams without an EAP: 2 points
- Federal Reservoir Dams: 3 points.

Based on these categories, an awarded point total was determined for each participating county and a vulnerability rating assigned based on the following schedule.

Table 4.153: Dam Vulnerability Rating Schedule

	Low	Medium-Low	Medium	Medium-High	High
Awarded Point Range	0 – 26	27 – 50	51 – 100	101 – 200	201 - 327

The following table presents the dam failure vulnerability rating for each Kansas Region L participating county.

Table 4.154: Kansas Region L County Vulnerability Assessment for Dam Failure

County	Low Hazard Dams	Significant Hazard Dams	High Hazard Dams	High Hazard Dams Without EAP	Federal Reservoirs	Vulnerability Rating	Vulnerability Level
Johnson	48	7	26	4	1	151	Medium-High
Leavenworth	136	2	6	0	2	164	Medium-High
Wyandotte	19	2	12	1		61	Medium

Source: Analysis by KDEM utilizing data from: Kansas Department of Agriculture, Division of Water Resources, Water Structures program; U.S. Army Corps of Engineers; Bureau of Reclamation; U.S. Army, U.S. Fish and Wildlife.

Counties with a higher identified population are to be considered to have a potentially greater vulnerability. The following table indicates the total county population and registered growth over the period 2000 to 2017.



Table 4.155: Kansas Region L Population Vulnerability Data for Dam Failure

County	2017 Population	Percent Population Change 2000 to 2017
Johnson	591,178	31.06%
Leavenworth	81,095	18.06%
Wyandotte	165,288	4.69%

Source: US Census Bureau

Counties with a high population and/or a growing population may be at increased risk.

4.22.6 – Vulnerability Assessment, Levees

Data was obtained from the USACE NLD to help determine the vulnerability of participating jurisdictions to potential levee failure. Available data includes:

- Number of people at risk
- Structures at risk
- Property value for structures at risk
- Levee safety action risk classification

Additionally, for the NFIP, FEMA will only recognize a levee system in its flood risk mapping effort that meet minimum design, operation, and maintenance standards as established by 44 CFR 65.10 – Mapping of Areas Protected by Levee Systems. In general, evaluated levees are assigned to one of these categories:

- **Accredited Levee:** Area behind the levee is mapped as a moderate risk, with no mandatory flood insurance requirement.
- **To Be Accredited:** A levee system that has been approved for accreditation.
- **Provisionally Accredited Levee:** Area behind the levee is mapped as a moderate risk, with no mandatory flood insurance requirement, for a two-year grace period while compliance with 44 CFR 65.10 is sought
- **Non-Accredited Levee:** Area behind the levee is mapped according to FEMA protocols, likely resulting in a high-risk area designation and associate flood insurance requirements
- **To Be Non-Accredited:** A levee system that no longer meets the requirements stipulated in 44 CFR 65.10 and is scheduled to lose accredited status

The following table presents the above information for each vulnerable jurisdiction.

Table 4.156: Kansas Region L Levee Failure Vulnerability Data

County(ies)	Jurisdiction	Name	People at Risk	Structures at Risk	Property Value	Levee Safety Action Risk Classification	Levee System Status on Effective FIRM
Johnson	De Soto	Johnson Kansas River 2	5	5	\$1,590,000	Not Screened	Non-Accredited



Table 4.156: Kansas Region L Levee Failure Vulnerability Data

County(ies)	Jurisdiction	Name	People at Risk	Structures at Risk	Property Value	Levee Safety Action Risk Classification	Levee System Status on Effective FIRM
Johnson	Shawnee	LJF-0228	10	11	\$9,800,000	Not Screened	No Data Entered
Leavenworth	Eudora	Fall Leaf Drainage District	2	10	\$209,000	Low	Non-Accredited
Leavenworth	Leavenworth	Ft. Leavenworth, Kansas	0	0	\$0	Not Screened	Non-Accredited
Leavenworth	Leavenworth	Grape-Bollin-Schwartz Levee Association	13	7	\$186,000	Not Screened	Non-Accredited
Leavenworth	Lansing	Kansas Department of Corrections	1	5	\$418,000	Low	Non-Accredited
Leavenworth	Tonganoxie	LLV-0001, LLV-0103	13	3	\$2,090,000	Not Screened	No Data Entered
Leavenworth	Tonganoxie	LLV-0005	0	0	\$0	Not Screened	No Data Entered
Leavenworth	Tonganoxie	LLV-0014	0	0	\$0	Not Screened	No Data Entered
Leavenworth	Easton	LLV-0049	2	2	\$690,000	Not Screened	No Data Entered
Leavenworth	Tonganoxie	LLV-0055	15	6	\$3,110,000	Not Screened	No Data Entered
Leavenworth	De Soto	LLV-0125, LJO-0002, LLV-0003	2	2	\$700,000	Not Screened	No Data Entered
Leavenworth, Wyandotte	Kansas City	Wolcott Drainage District Section 1	1	10	\$1,450,000	Low	Non-Accredited
Wyandotte	Kansas City	Argentine Unit	10,700	723	\$3,150,000,000	High	Accredited
Wyandotte	Kansas City	Armourdale Unit	6,700	1,349	\$2,760,000,000	Moderate	Accredited
Wyandotte	Kansas City	Fairfax-Jersey Creek	7,961	228	\$921,000,000	Not Screened	Accredited
Wyandotte	Kansas City	Nearman Creek Power Station Levee	0	0	\$0	Not Screened	Provisionally Accredited Levee
Wyandotte	Kansas City	Turkey Creek LB Levee and Restored Channel	360	28	\$55,700,000	Not Screened	Non-Accredited



Table 4.156: Kansas Region L Levee Failure Vulnerability Data

County(ies)	Jurisdiction	Name	People at Risk	Structures at Risk	Property Value	Levee Safety Action Risk Classification	Levee System Status on Effective FIRM
Wyandotte	Kansas City	Wolcott Drainage District Section 2	0	0	\$2,060,000	Low	Non-Accredited
Wyandotte	Kansas City	Wolcott Drainage District Section 3	0	0	\$27,500	Low	Non-Accredited

Source: USACE NLD

Counties with a higher identified population are to be considered to have a potentially greater vulnerability. As highlighted in the table above, only a very small percentage of the total population for Kansas Region L (3.8%) live in a levee protected area. However, for Wyandotte County, 16.3% of the population has been identified as being a risk due to a levee failure. The following table indicates the total county population, registered growth over the period 2000 to 2017, and percentage of the total population identified as being at risk.

Table 4.157: Kansas Region L Population Vulnerability Data for Levee Failure

County	2017 Population	Percent Population Change 2000 to 2017	Percentage of Population Identified at Risk
Johnson	591,178	31.06%	0.003%
Leavenworth	81,095	18.06%	0.07%
Wyandotte	165,288	4.69%	16.3%

In general counties with a high population and/or a growing population may be at increased risk.

4.22.7 – Impact and Consequence Analysis

As per EMAP standards, the information in the following table provides the Consequence Analysis.

Table 4.158: Dam and Levee Failure Consequence Analysis

Subject	Impacts of Dam and Levee Failure
Health and Safety of the Public	In areas of inundation, the impact to the public is expected to be severe. Impacts to the public in adjacent or minimally impacted areas is expected to be minimal to moderate.
Health and Safety of Responders	Impact to responders is expected to be minimal with proper training. Impact could be severe if there is lack of training.
Continuity of Operations	Temporary relocation may be necessary if facilities or infrastructure is damaged.
Property, Facilities, and Infrastructure	In areas of inundation, impacts could be severe to facilities and infrastructure. .
Environment	In areas of inundation, impact to the environment are expected to be severe. Impact will lessen as distance increases.



Table 4.158: Dam and Levee Failure Consequence Analysis

Subject	Impacts of Dam and Levee Failure
Economic Conditions	In areas of inundation, impacts to the economy will depend on the scope of the inundation and the time it takes for the water to recede.
Public Confidence in the Jurisdiction's Governance	Perception of whether the failure could have been prevented, warning time, and response and recovery time will greatly impact the public's confidence.



4.23 – Expansive Soils

Expansive soils are slow to develop and do not usually pose a risk to public safety. The slow expansion and contraction of the clays and soils places pressure on structural foundations and subsurface dwellings. This pressure can become so great it damages foundations, cracks walls, and deforms structures.

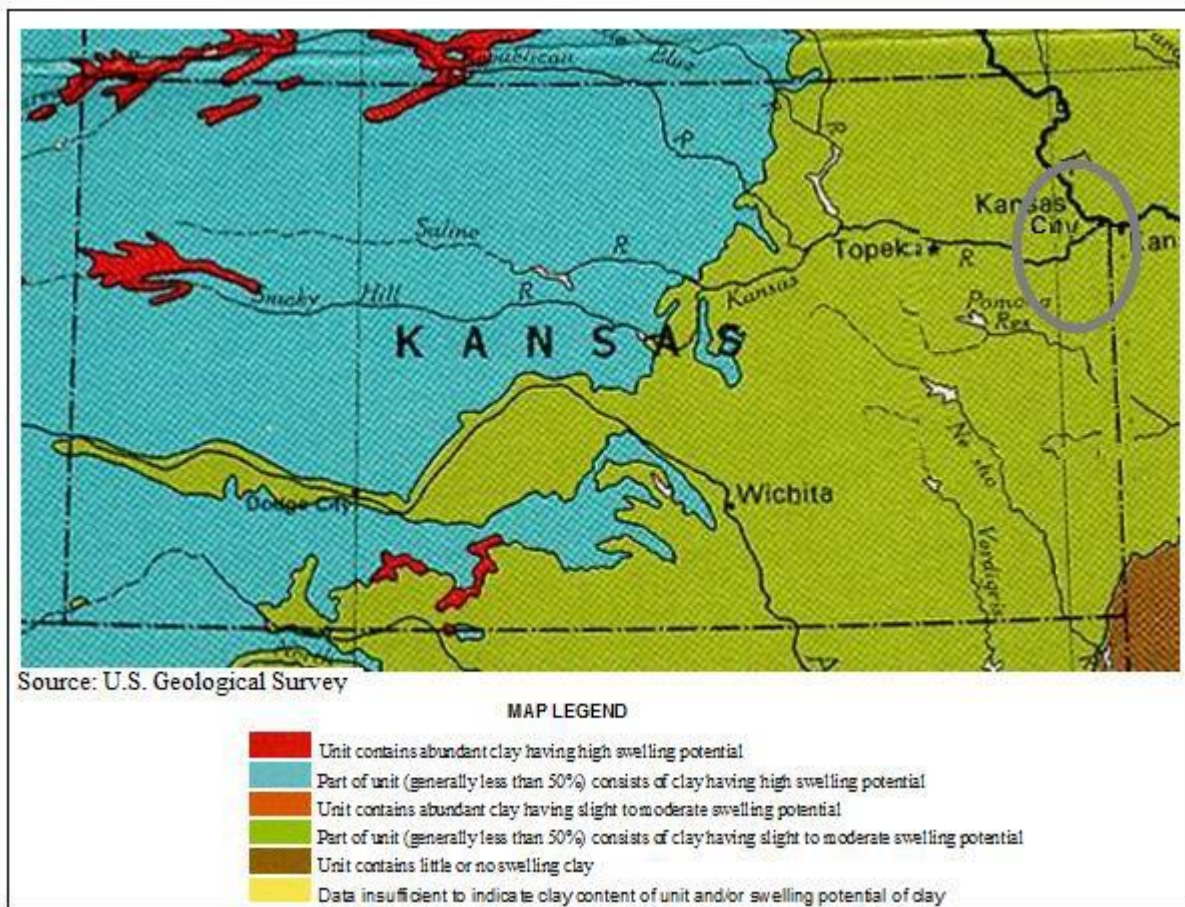


4.23.1 – Location and Extent

Kansas Region L possesses a wide array of soils with a range of permeability from moderate to low. Generally, the permeability of the soils is related to the clay content. Clay soils tend to shrink when dry and swell when wet which has large implications on underground utility infrastructure and home foundations.

The map shows the swelling potential of soils in Kansas Region L, indicating it is located in an area where part of the soil unit consists of clay having slight to moderate swelling potential.

Soil Swelling Potential Map



4.23.2 – Previous Occurrences

No statewide database of expansive soils events is available.

Locally, there have been no reported expansive soil events within the past ten years.

4.23.3 – Hazard Probability Analysis

Currently there is limited available data on this hazard, but it is held that each year in the United States, expansive soils cause billions of dollars in damage to buildings, roads, pipelines, and other structures. But, as expansive soils cause damage over extended periods of time damages caused may be attributed to other factors such as extended drought or heavy periods of moisture, both of which may exacerbate the hazard.

Because there is a slight to moderate soil swelling potential in the region, there is an increased probability damages from a soil shrink/swell occurrence. However, the probability of damage is so poorly documented that is presently not possible to quantify the potential occurrence of a major damaging expansive soils event.

4.23.4 – Vulnerability Analysis

Physical structures are potentially vulnerable to highly expansive soil. It is estimated by KDEM that approximately 10% of the homes built on expansive soils could experience significant damage. Based on this, and using current available building valuations, the following table estimates the potential damages assuming a 50% impact on the value of the structure.

Table 4.159: Kansas Region L Estimated Potential Structural Damages, Expansive Soil

County	Property Valuation	Property Valuation for 10% of Building Stock	Estimated 50% Damage
Johnson	\$124,279,962,000	\$12,427,996,200	\$6,213,998,100
Leavenworth	\$13,050,342,000	\$1,305,034,200	\$652,517,100
Wyandotte	\$29,708,946,000	\$2,970,894,460	\$1,485,447,230

Source: US Census Bureau

4.23.5 – Consequence Analysis

As per EMAP requirements, the following table provides the Consequence Analysis.

Table 4.160: Expansive Soils Consequence Analysis

Subject	Impacts of Expansive Soils
Health and Safety of the Public	Minimal impact.
Health and Safety of Responders	Minimal impact.



Table 4.160: Expansive Soils Consequence Analysis

Subject	Impacts of Expansive Soils
Continuity of Operations	Minimal expectation for utilization of COOP unless structures have extensive damage.
Property, Facilities, and Infrastructure	Localized impact could be moderate, including structural integrity to be lost, and roadways, railways to buckle.
Environment	Expansive soils could cause moderate damage to dams, levees, watersheds.
Economic Conditions	Economic impacts include rebuilding of the properties and infrastructure. Drought and extreme rain events could increase impact.
Public Confidence in the Jurisdiction's Governance	Confidence will be dependent on development trends and mitigation efforts at reducing the effect of expansive soils on new construction.



4.24 – Radiological Incident

For purposes of this plan, a radiological incident is considered an accident involving a release of radioactive materials from a nuclear reactor. Radiological accidents could cause injury or death, contaminate property and valuable environmental resources, as well as disrupt the functioning of communities and their economies. Since 1980, each utility that owns a commercial nuclear power plant in the United States has been required to have both an onsite and offsite emergency response plan as a condition of obtaining and maintaining a license to operate that plant. Onsite emergency response plans are approved by the U.S. Nuclear Regulatory Commission (NRC).



4.24.1 – Location and Extent

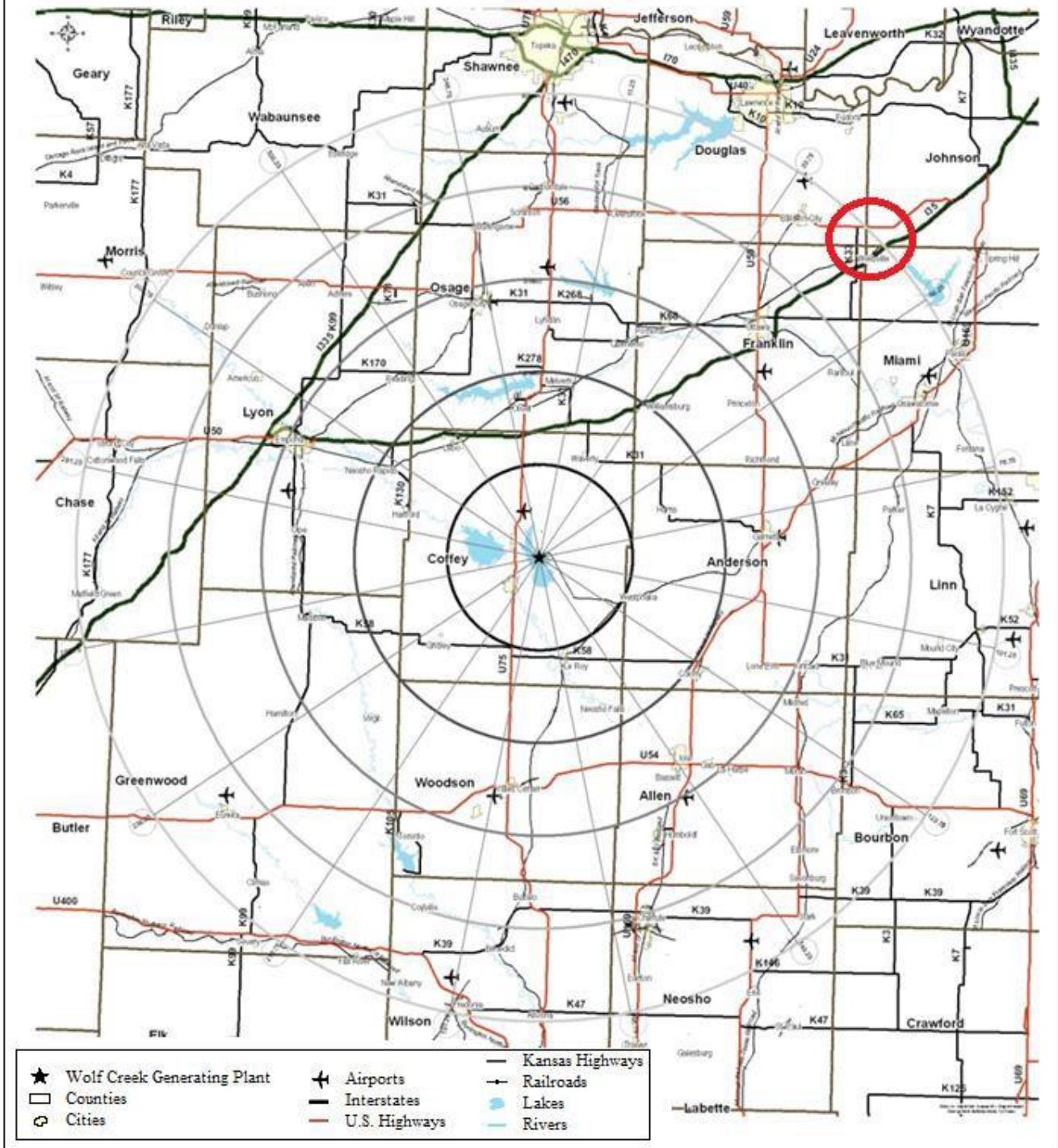
The only active commercial nuclear reactor within the State of Kansas is the Wolf Creek Nuclear Power Plant (Wolf Creek) in Coffey County. The following information, from the NRC, pertains to Wolf Creek:

- **Location:** Burlington, Kansas (3.5 miles Northeast)
- **Operator:** Wolf Creek Nuclear Operating Corporation
- **Operating License:** Issued - 06/04/1985
- **Renewed License:** Issued - 11/20/2008
- **License Expires** - 03/11/2045
- **Reactor Type:** Pressurized Water Reactor
- **Licensed MWt:** 3,565
- **Reactor Vendor/Type:** Westinghouse Four-Loop
- **Containment Type:** Dry, Ambient Pressure

The following map, from KDEM, illustrates both the 10-mile 50-mile emergency planning zones (EPZs) for Wolf Creek.



Wolf Creek Generating Plant Exclusion Zones



Because Region L is not located in the 10-mile EPZ, and only a small portion of the southwest corner of Johnson County is within the in the 50-mile EPZ a nuclear incident from Wolf Creek is not considered a hazard.



4.24.2 – Previous Occurrences

There have been no previous major radiological events recorded in Kansas Region L.

4.24.3 – Hazard Probability Analysis

Historically there have been no nuclear failure and/or release events in Kansas Region L, or at Wolf Creek. The firm regulations imposed by the NRC on Wolf Creek work to ensure its safe operation. The amount of radioactivity released by a nuclear power plant is monitored continuously to be sure it does not go above allowed levels. The same sophisticated monitoring equipment provides exact information about any accidental release. The risk to the public from radioactivity released from nuclear power plants is smaller than the amount, and associated risk, we receive naturally on a daily basis.

4.24.4 – Vulnerability Assessment

Assuming the vulnerability to both structures and populations is not possible due to the tremendous number of variables involved in a potential nuclear release event. However, due to the relative distance of Kansas Region L from Wolf Creek, and the strict oversight provided by the NRC, the potential vulnerability to Kansas Region L is considered to be very low.

4.24.5 – Impact and Consequence Analysis

As per EMAP requirements, the following table provides the Consequence Analysis.

Table 4.161: Radiological Incident Consequence Analysis

Subject	Impacts of Radiological Incident
Health and Safety of Persons in the Area of the Incident	Impact in the immediate area could be severe and long lasting.
Responders	Impact to responders is expected to be severe, potentially even with required safety equipment.
Continuity of Operations	Long term relocation may be necessary if government facilities experience contamination.
Property, Facilities, and Infrastructure	Localized impact could be severe in the incident area. Facilities may need to be abandoned and razed. Large areas may become inaccessible.
Environment	Impact could be severe for the immediate area. Impact will lessen with distance.
Economic Conditions	Local economy and finances may be adversely affected, depending on the nature, extent and duration of the event.
Public Confidence in Governance	Response and recovery will be in question if not timely and effective. Warning systems and the timeliness of those warnings could be questioned.



4.25 – Earthquake

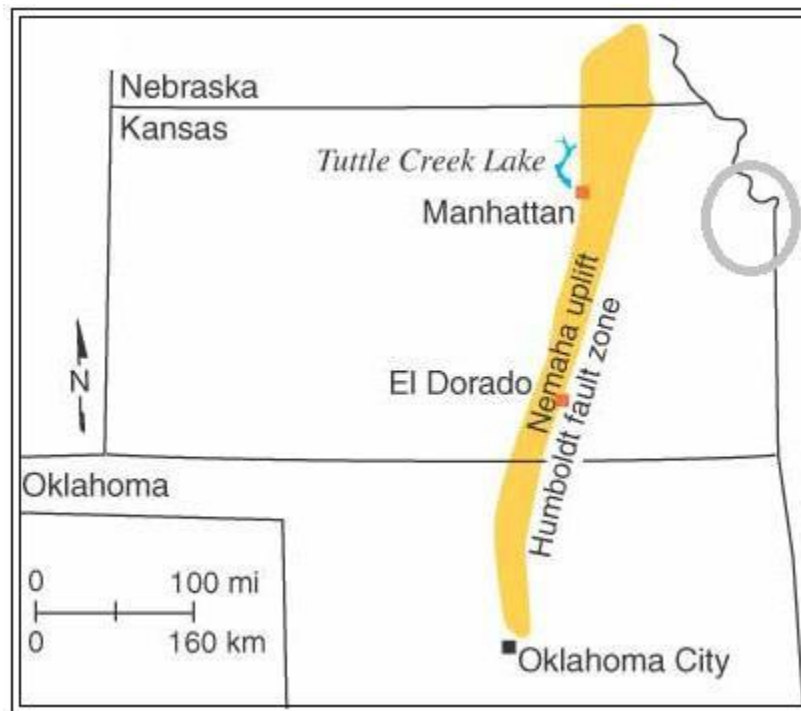
An earthquake is the result of a sudden release of energy in the Earth’s crust that creates seismic waves that are typically caused by the rupturing of geological faults.

4.25.1 – Location and Extent

Overall, Kansas Region L is in an area of relatively low seismic activity. The closest series of major faults is the Humboldt Fault Zone. Also known as the Nemaha Uplift, the Humboldt Fault Zone runs to the west of the region. Most earthquakes in the Humboldt Fault Zone are small and are detected only with instruments.



Humboldt Fault Zone



Two scales are used when referring to earthquake activity. Estimating the total force of an earthquake is the Richter scale, and the observed damage from an earthquake is the Modified Mercalli Intensity Scale. Additionally, both Acceleration (%g) and Velocity (cm/s) can be used to measure and quantify force and movement. The following table equates the above referenced earthquake scales.

Table 4.162: Earthquake Magnitude Scale Comparison

Mercalli Scale Intensity	Verbal Description	Richter Scale Magnitude	Acceleration (%g)	Velocity (cm/s)	Witness Observations
I	Instrumental	1 to 2	0.17%	<0.1	None



Table 4.162: Earthquake Magnitude Scale Comparison

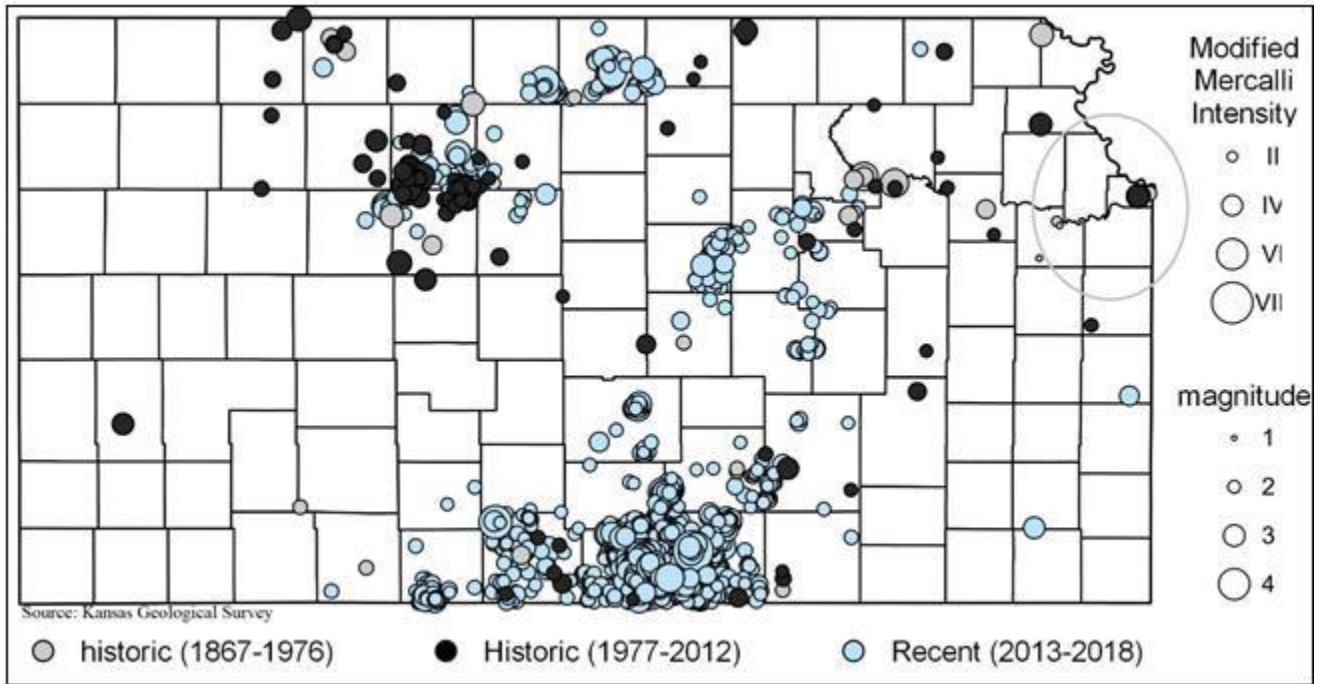
Mercalli Scale Intensity	Verbal Description	Richter Scale Magnitude	Acceleration (%g)	Velocity (cm/s)	Witness Observations
II	Feeble	2 to 3	1.40%	1.1	Noticed only by sensitive people
III	Slight	3 to 4	1.40%	1.1	Resembles vibrations caused by heavy traffic
IV	Moderate	4	3.90%	3.4	Felt by people walking; rocking of free-standing objects
V	Rather Strong	4 to 5	9.20%	8.1	Sleepers awakened; bells ring
VI	Strong	5 to 6	18.00%	16	Trees sway, some damage from falling objects
VII	Very Strong	6	34.00%	31	General alarm, cracking of walls
VIII	Destructive	6 to 7	65.00%	60	Chimneys fall and some damage to building
IX	Ruinous	7	124.00%	116	Ground crack, houses begin to collapse, pipes break
X	Disastrous	7 to 8	>124.0%	>116	Ground badly cracked, many buildings destroyed. Some landslides
XI	Very Disastrous	8	>124.0%	>116	Few buildings remain standing, bridges destroyed.
XII	Catastrophic	8 or greater	>124.0%	>116	Total destruction; objects thrown in air, shaking and distortion of ground

4.25.2 – Previous Occurrences

The following map, from the Kansas Geological Survey (KGS), shows all recorded earthquakes from 1867 through 2018.



KGS Historic Earthquake Map



In addition to the above map, the KGS Earthquake Catalogue records earthquake events from 1979 through present. According to this archive, Kansas Region L has had one earthquake since 1979.

The following table details the Richter Scale Magnitude of any recorded events in the catalogue.

Table 4.163: Number of Earthquakes by Richter Scale Magnitude, 1979 - 2018

0.1 -3.9	4.0 – 4.9	5.0 – 5.9	6.0 – 6.9	7.0- 7.9	8.0 +
1	0	0	0	0	0

Source: KGS

The table below represents details about recorded events from the KGS Earthquake Catalogue.

Table 4.167: Kansas Region L Historic Earthquake Events, 1979 - 2018

Date	County	Richter Scale Magnitude
5/13/1999	Wyandotte	3

Source: KGS

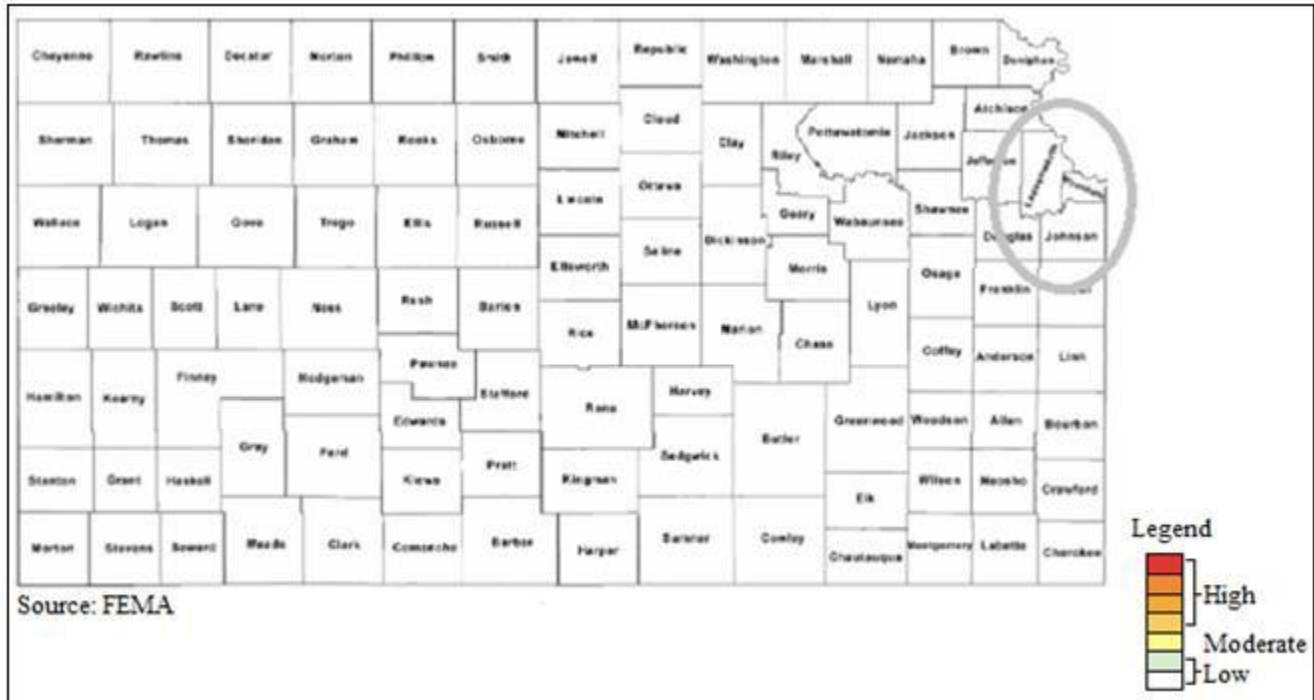
Recently, concern about earthquakes caused by oil and gas exploration and production operations, has grown. Commonly, detected seismic activity associated with oil and gas operations, also known as induced seismicity, is thought to be triggered when wastewater is injected into disposal wells. According to the KGS, linking earthquakes to wastewater injection is difficult. Complex subsurface geology and limited data about that geology make it hard to pinpoint the cause seismic events. However, an established pattern of increased earthquake activity in an area over time may indicate a correlation between injection and seismic events. Given that only one earthquake has been recorded in Kansas Region L since 1979, induced seismicity is currently not believed to be a potential driver of earthquakes for the region.



4.25.3 – Hazard Probability Analysis

The following FEMA Seismic Risk Map for the United States indicates that all of the State of Kansas, including Kansas Region L, falls into the low hazard rankings.

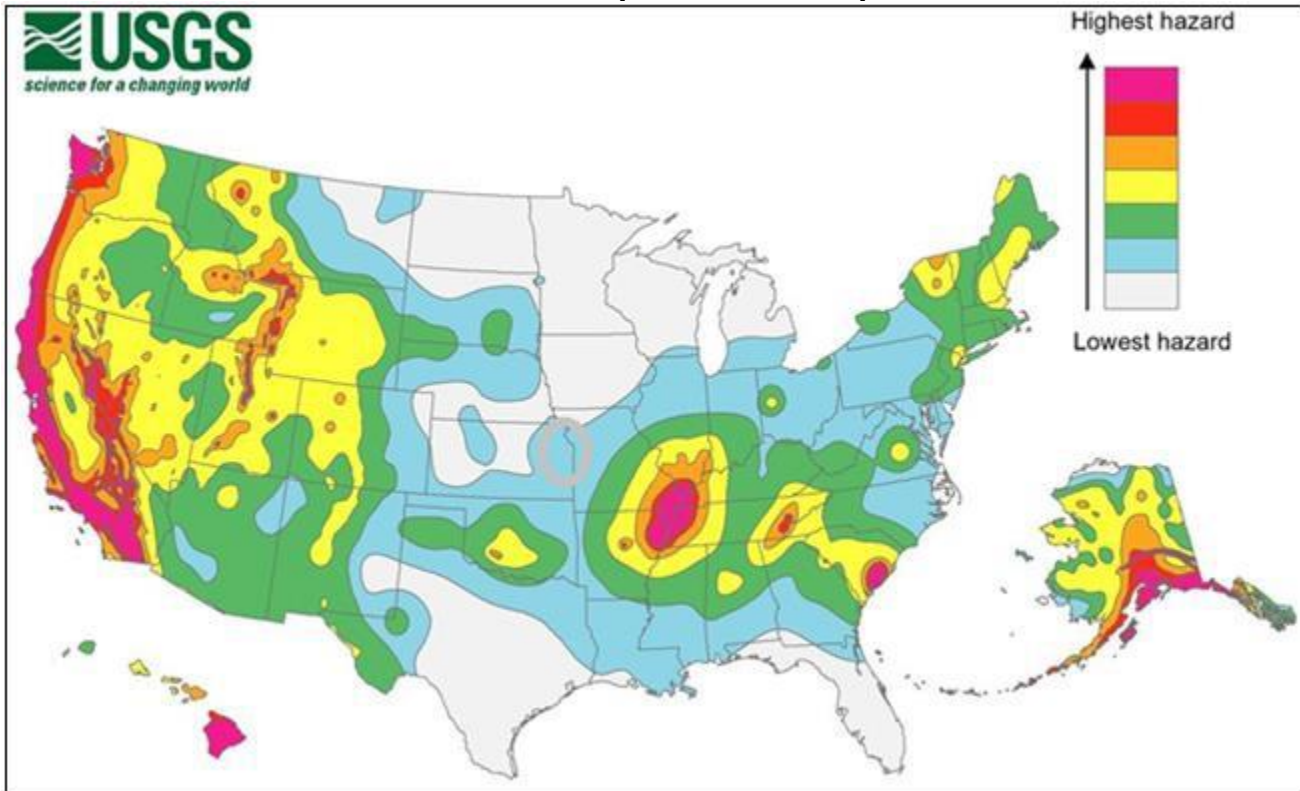
FEMA Seismic Risk Map



The USGS also published a map that indicates hazard rankings based on acceleration (%g) for the United States, with the data correlating with the indicated FEMA risk. As indicated by the map, Kansas Region L is located in a low hazard area (second lowest rating).



USGS Earthquake Hazard Map



New research by Stanford University shows that oil and gas production injection limits enacted by the State Legislature has reduced the frequency of induced seismicity. Current modelling predicts that at current injection rates the number of widely felt earthquakes in Kansas will decrease to as few as 100 by 2020.

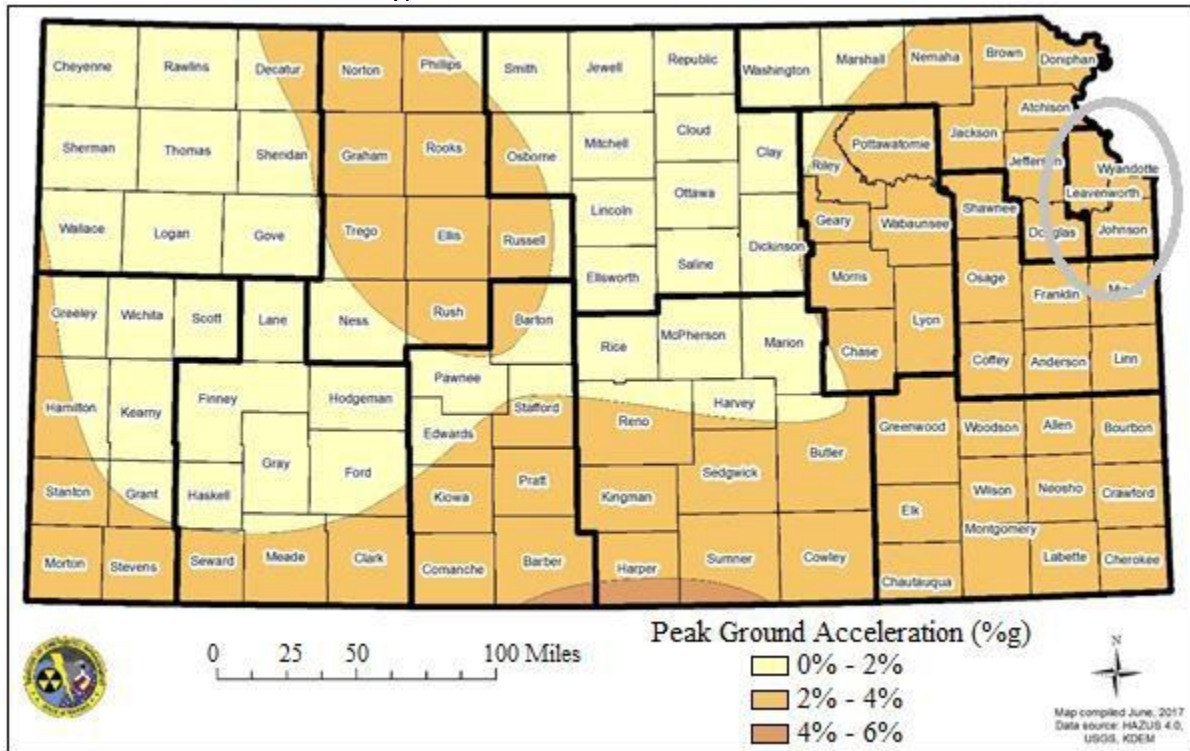
4.25.4 – Vulnerability Analysis

HAZUS, using the default inventory 2010 building valuations, was used to analyze vulnerability and estimate potential losses to earthquakes. A probabilistic, 2,500 Year 6.7 magnitude earthquake scenario was chosen to reveal areas of the region and state that are most vulnerable. These results are not meant to indicate annualized losses or damages as a result of a more typical low-magnitude event, but rather reveal vulnerabilities and losses for the worst-case scenario.

The following map, created using available HAZUS data, shows the ground shaking potential of a worst-case scenario 2,500-year 6.7 magnitude earthquake.



Regional Peak Ground Acceleration



Using available HAZUS data, the following potential losses from a worst-case scenario 2,500-year 6.7 Magnitude earthquake.

Table 4.165: Kansas Region L Probabilistic 6.7 Magnitude Earthquake Damages

County	Total Earthquake Losses	Displaced Households
Johnson	\$430,715,000	228
Leavenworth	\$39,141,000	17
Wyandotte	\$110,331,000	56

Source: KDEM and HAZUS

Counties with a high population and/or a growing population may be at increased risk.

Table 4.166: Kansas Region L Population Vulnerability Data for Earthquakes

County	2017 Population	Percent Population Change 2000 to 2017
Johnson	591,178	31.06%
Leavenworth	81,095	18.06%
Wyandotte	165,288	4.69%

4.25.5 – Consequence Analysis

As per EMAP requirements, the following table provides the Consequence Analysis



Table 4.167: Earthquake Consequence Analysis

Subject	Impacts of Earthquake
Health and Safety of the Public	Severity and location dependent. Impacts on persons near the epicenter are expected to be severe.
Health and Safety of Responders	Severity and location dependent. Impacts on persons near the epicenter are expected to be severe.
Continuity of Operations	Severity and location dependent. Event will likely require relocation, essential function prioritization based on capabilities and severe disruption of services.
Property, Facilities, and Infrastructure	Impact to property, facilities, and infrastructure could be minimal to severe, depending on the location of the facility and the severity of the event. Loss of structural integrity of buildings and infrastructure could occur.
Environment	The impact to the environment could be severe, including topological changes and severe destruction.
Economic Conditions	Impacts to the economy will be dependent severity of earthquake and proximity to the epicenter. Impacts will likely be long lasting and possibly permanent for most severely impacted businesses.
Public Confidence in the Jurisdiction's Governance	Confidence could be an issue if planning is not in place to address need of population, including mass sheltering and mass care.



4.26 – Landslides

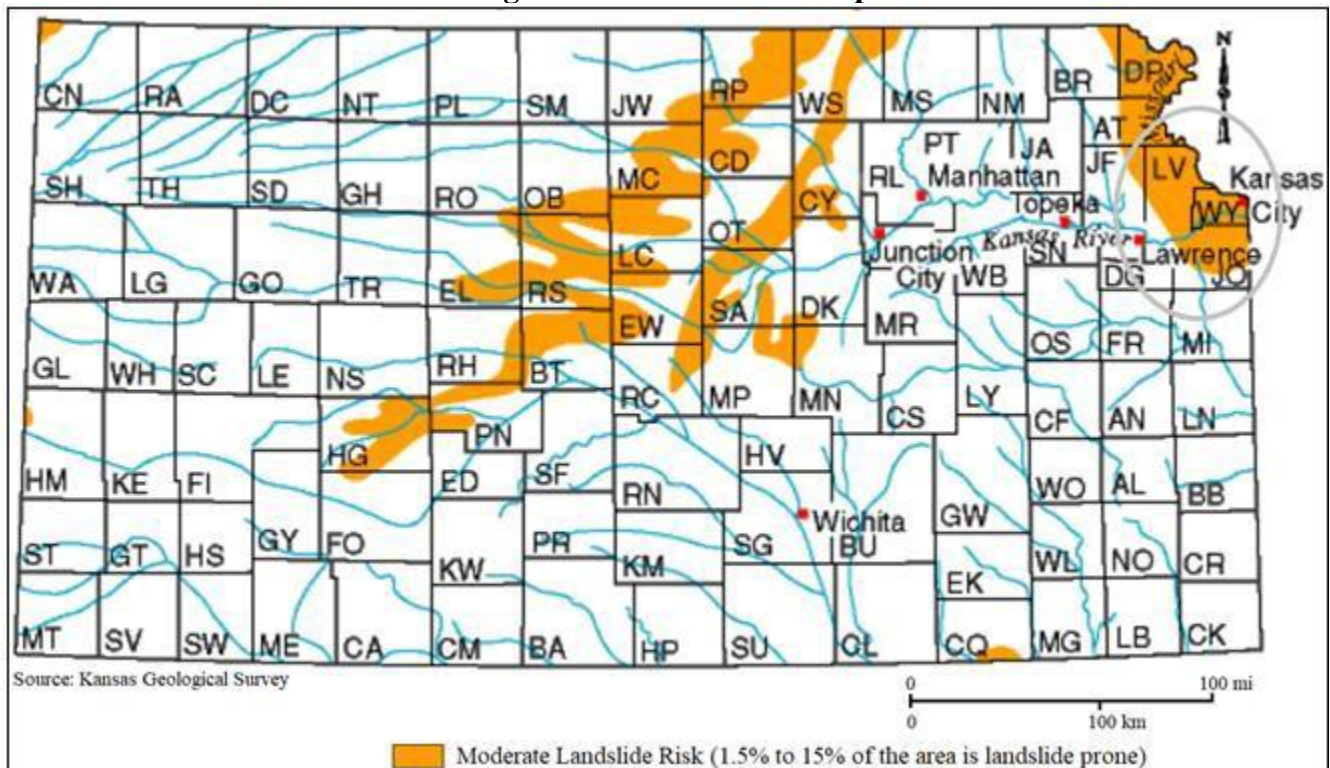
Landslides are the downward and outward movement of slopes. Landslides include a wide range of ground movement, such as rock falls, deep failure of slopes, and shallow debris flows. Although gravity acting on and over steepened slopes is the primary reason for a landslide, landslides are often prompted by the occurrence of other disasters. Other contributing factors include erosion, steep slopes, rain and snow, and earthquakes.



4.26.1 – Location and Extent

Landslides are classified based mostly on their character of movement and degree of internal disruption. These landslide classes are rock fall, flow, slide, and creep. Although these are clear divisions, in the real world a landslide may have components of more than one type. Areas prone to landslides can cover broad geographic regions, but occurrences are generally localized. The entire planning area, including all participating jurisdictions, is potentially at risk to landslides. However, landslides require an earth or rock covered slope, and so flatter areas have a much-decreased risk of occurrence. The following map, produced by the KGS, shows areas of the region with a moderate susceptibility of landslides, equating to 1.5% to 15% of the area being landslide prone.

Regional Landslide Risk Map



4.26.2 – Previous Occurrences

At present there is no centralized and complete database containing historical records for landslides in Kansas. For Kansas Region L there have been no reported or recorded landslides impacting either participating jurisdictions or the region in the past 10 years. The last recorded landslide was in July of 2001.

4.26.3 – Hazard Probability Analysis

Landslides with the potential to affect Kansas Region L are incredibly difficult to quantify and forecast. Compounding the difficulty, landslides occur on their own or occur as a secondary hazard with incidents of heavy rain, melting snow, earthquakes, and land subsidence are their primary cause. Hence, their future occurrences are highly dependent on the likelihood of the mentioned hazards.

As indicated in the map above, large areas of Kansas Region L have a moderate susceptibility to landslides. However, the limited available past occurrence data indicate that there is a very low rate of occurrence. Based on limited available data, and bearing in mind that many landslides may be unreported as they have no impact on human activities, it is not likely that a major landslide will impact the region, based on zero reported occurrences in 10 years.

4.26.4 Vulnerability Analysis

Based on landslide mapping by the KGS, the area for each county with a moderate landslide risk was estimated. The higher percentage of acreage in a moderate landslide risk area the higher the vulnerability. However, landslides require an earth or rock covered slope, and so flatter areas have a much-decreased risk of occurrence.

Table 4.168: Kansas Region L Percentage of Land in Moderate Landslide Risk Area

County	Total County Acreage	Estimated Acreage with Moderate Landslide Potential	Percentage of County Acreage Identified in Potential Slide Area
Johnson	307,200	215,040	70.0%
Leavenworth	300,160	180,000	60.0%
Wyandotte	99,840	99,840	1.07%

Source: ADEM and HAZUS

The following table presents data from HAZUS and local damage reports concerning the value of structures and the percentage of structures for each Kansas Region L county incurring damage over the period 2009 to 2018 from landslide events. A greater percentage of damaged structures damaged may indicate a greater potential future vulnerability.



Table 4.169: Kansas Region L Structural Vulnerability Data for Landslides

County	HAZUS Building Valuation	Reported Structure Damage 2009-2018	Percentage of Building Valuation Damaged
Johnson	\$124,279,962,000	\$0	0.0%
Leavenworth	\$13,050,342,000	\$0	0.0%
Wyandotte	\$29,708,946,000	\$0	0.0%

Source: Local reports and HAZUS

Population vulnerabilities to landslide events are expected to be minimal.

4.26.5 – Impact and Consequence Analysis

As per EMAP requirements, the following table provides the Consequence Analysis.

Table 4.170: Landslide Consequence Analysis

Subject	Impacts of Landslide
Health and Safety of the Public	Severity and location dependent. Impacts on persons in the path of the slide are expected to be severe.
Health and Safety of Responders	Impacts are expected to be minimal.
Continuity of Operations	Minimal expectation of execution of the COOP, unless a facility is impacted.
Property, Facilities, and Infrastructure	Impact to property, facilities, and infrastructure could be minimal to severe, depending on the location of the facility in relation to the slide. Loss of structural integrity of buildings and infrastructure could occur.
Environment	Impact to the area would be minimal other than the immediate area.
Economic Conditions	Impacts to the economy will be dependent severity of landslide and the impact on structures and infrastructure. Impacts could be severe if roads/utilities are affected. Otherwise impact would be non-existent to minimal.
Public Confidence in the Jurisdiction’s Governance	Confidence could be an issue if local development policies are questioned.



4.27 – Soil Erosion and Dust

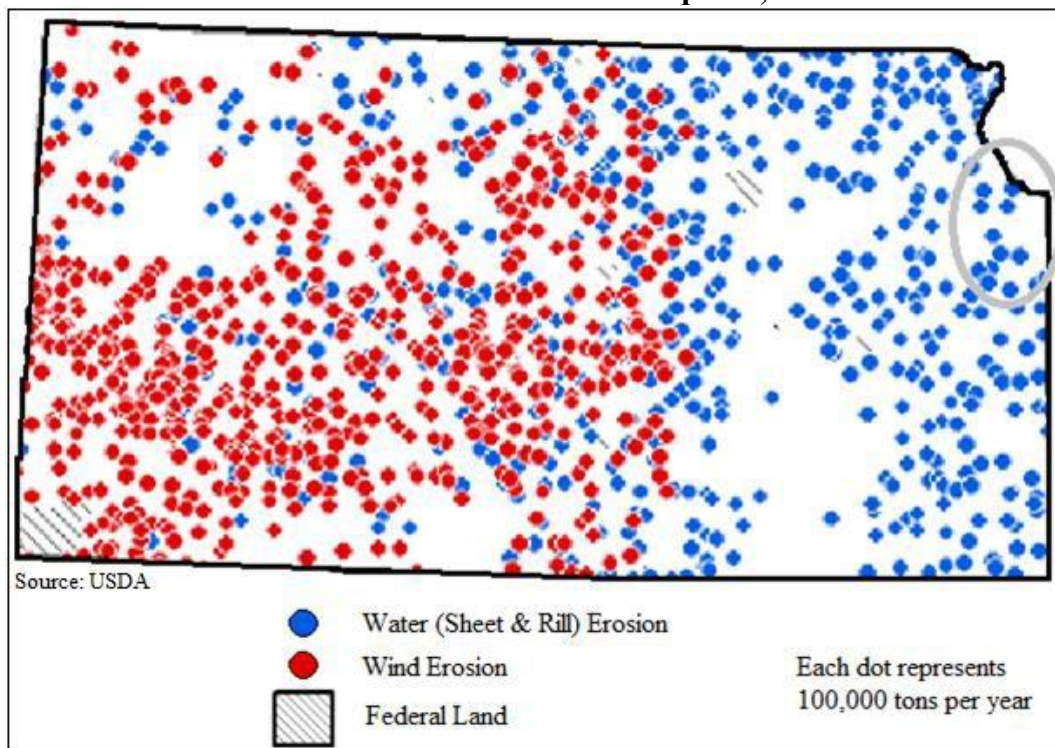
Soil erosion, in general, is a process that removes topsoil through the application of water, wind, or farming activities. Soil erosion can be a slow, unobserved process or can happen quickly due to extreme environmental factors. The United States is losing soil 10 times faster than the natural replenishment rate, and related production losses cost the country about \$44,000,000,000 each year. On average, wind erosion is responsible for about 40% of this loss and can increase markedly in drought years.



4.27.1 – Location and Extent

Soil and erosion and dust occur over broad geographic regions. The entire Kansas Region L planning area, including all participating jurisdictions, is at risk to soil erosion and dust.

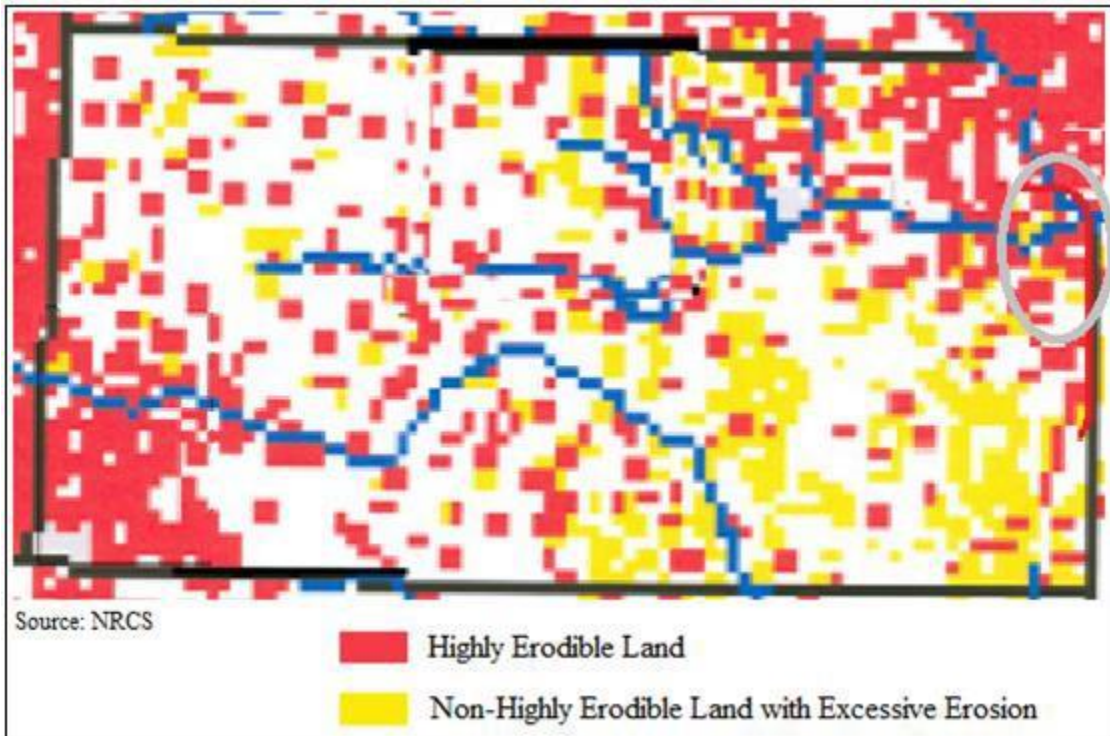
Wind and Water Erosion on Cropland, 2012



The following figure, from the Natural Resources Conservation Service (NRCS) shows areas of excessive erosion of farmland in Kansas. Each red dot represents 5,000 acres of highly erodible land, and each yellow dot represents 5,000 acres of non-highly erodible land with excessive erosion above the tolerable soil erosion rate.



NRCS Areas of Excessive Erosion



4.27.2 – Previous Occurrences

At present there is no centralized and complete database containing historical records for soil erosion in Kansas. For Kansas Region L there have been no reported or recorded soil erosion or dust events impacting either participating jurisdictions or the region in the past 10 years.

Available crop loss data from the USDA Risk Management Agency detailing cause of loss was researched to determine the financial impacts of soil erosion and dust on the Region's agricultural base. Crop loss data for the years 2015- 2018, for the region, indicates no related claims

4.27.3 – Hazard Probability Analysis

Predicting future erosion amounts is problematic as much relies on farm management practices, available moisture and crop type. Due to the on-going nature of this hazard, and the small agricultural base for the region, it is expected that future events causing minimally measurable impact to the regions crops and farmers will continue occur. Again, the rate of occurrence and potential future occurrence will be predicated on farm management practices and drought and water conditions.

4.27.4 – Vulnerability Analysis

For purposes of this assessment, all counties within the region were determined to be at equal risk to soil erosion and dust events. Additionally, as this hazard disproportionately impacts the agricultural sector, only data on that sector was reviewed for potential vulnerability. The USDA 2012 Census of Agriculture (the latest available data) provides data on the crop exposure value, the total dollar value of all crops, for



each Kansas Region L County. USDA Risk Management Agency crop loss data allows us to quantify the monetary impact of soil erosion and dust conditions on the agricultural sector. The higher the percentage loss, the higher potential future vulnerability the county may have to soil erosion and dust events.

Table 4.171: Kansas Region L USDA Annual Soil Erosion Percentage Impact Data, 2014-2018

Jurisdiction	Farm Acreage	Annual Acres Impacted	Annual Percentage of Total Acres Impacted	Market Value of Products Sold	Annualized Crop Insurance Paid	Annual Percentage of Market Value Impacted
Johnson	99,354	0	0.0%	\$24,370,000	\$0	0.0%
Leavenworth	184,471	0	0.0%	\$36,367,000	\$0	0.0%
Wyandotte	12,009	0	0.0%	\$3,291,000	\$0	0.0%

Source: USDA

4.27.5 – Impact and Consequence Analysis

As per EMAP requirements, the following table provides the Consequence Analysis.

Table 4.172: Soil Erosion and Dust Consequence Analysis

Subject	Impacts of Soil Erosion and Dust
Health and Safety of the Public	Impact tends to be agricultural; however, dust can be a danger to susceptible individuals in the form of air pollutants.
Health and Safety of Responders	With proper preparedness and protection, impact to the responders is expected to be minimal.
Continuity of Operations	Minimal expectation for utilization of the COOP.
Property, Facilities, and Infrastructure	Impact to property, facilities, and infrastructure could be severe, depending on the site of the soil erosion. This could adversely affect utility poles/lines, and facilities. Dust can also adversely affect machinery, air conditioners, etc.
Environment	The impact to the environment could be severe. Soil erosion and dust can severely affect farming, ranching, wildlife and plants due to production losses and habitat changes.
Economic Conditions	Impacts to the economy will be dependent on how extreme the soil erosion and dust are. Potentially it could severely affect crop yield and productivity. Seedling survival and growth is stressed by erosion and dust, as is the top soil which agriculture is dependent on.
Public Confidence in the Jurisdiction’s Governance	Planning, response, and recovery may be questioned if not timely and effective.



4.28 – Land Subsidence

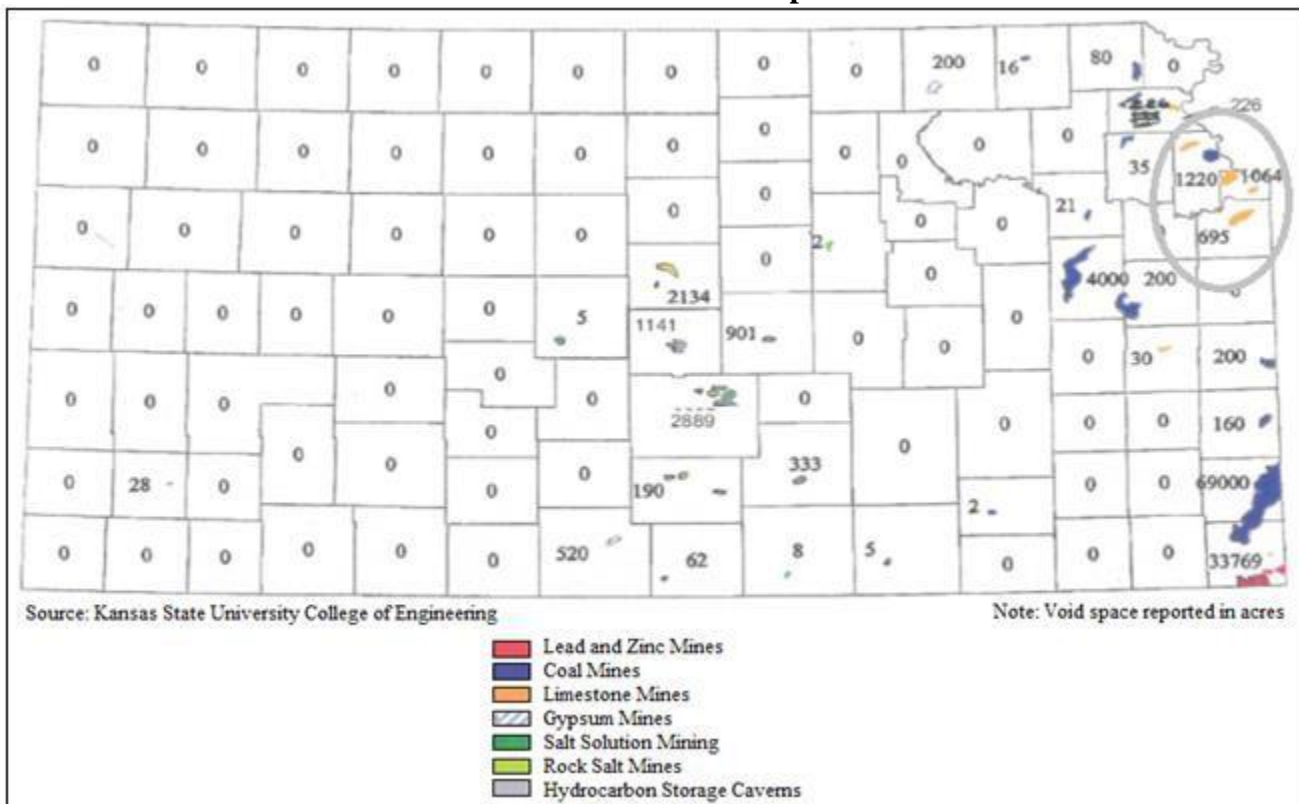
Land subsidence is caused when the ground above manmade or natural voids collapses. Subsidence can be related to mine collapse, water and oil withdrawal, or natural causes such as shrinking of expansive soils, salt dissolution (which may also be related to mining activities), and cave collapses. The surface depression is known as a sinkhole. If sinkholes appear beneath developed areas, damage or destruction of buildings, roads and rails, or other infrastructure can result. The rate of subsidence, which ranges from gradual to catastrophic, correlates to its risk to public safety and property damage.



4.28.1 – Location and Extent

The KDHE prepared a report on “Subsurface Void Space and Sinkhole/Subsidence Area Inventory for the State of Kansas.” The report inventoried subsurface void space from oil and gas exploration and production, natural sources, shaft mining, and solution mining. The following map details the distribution of total acres and major cause of void spaces for all Kansas Region L counties.

Total Subsurface Void Space



The following table details the total amount of subsurface void space as calculated using data from the KDHE map.



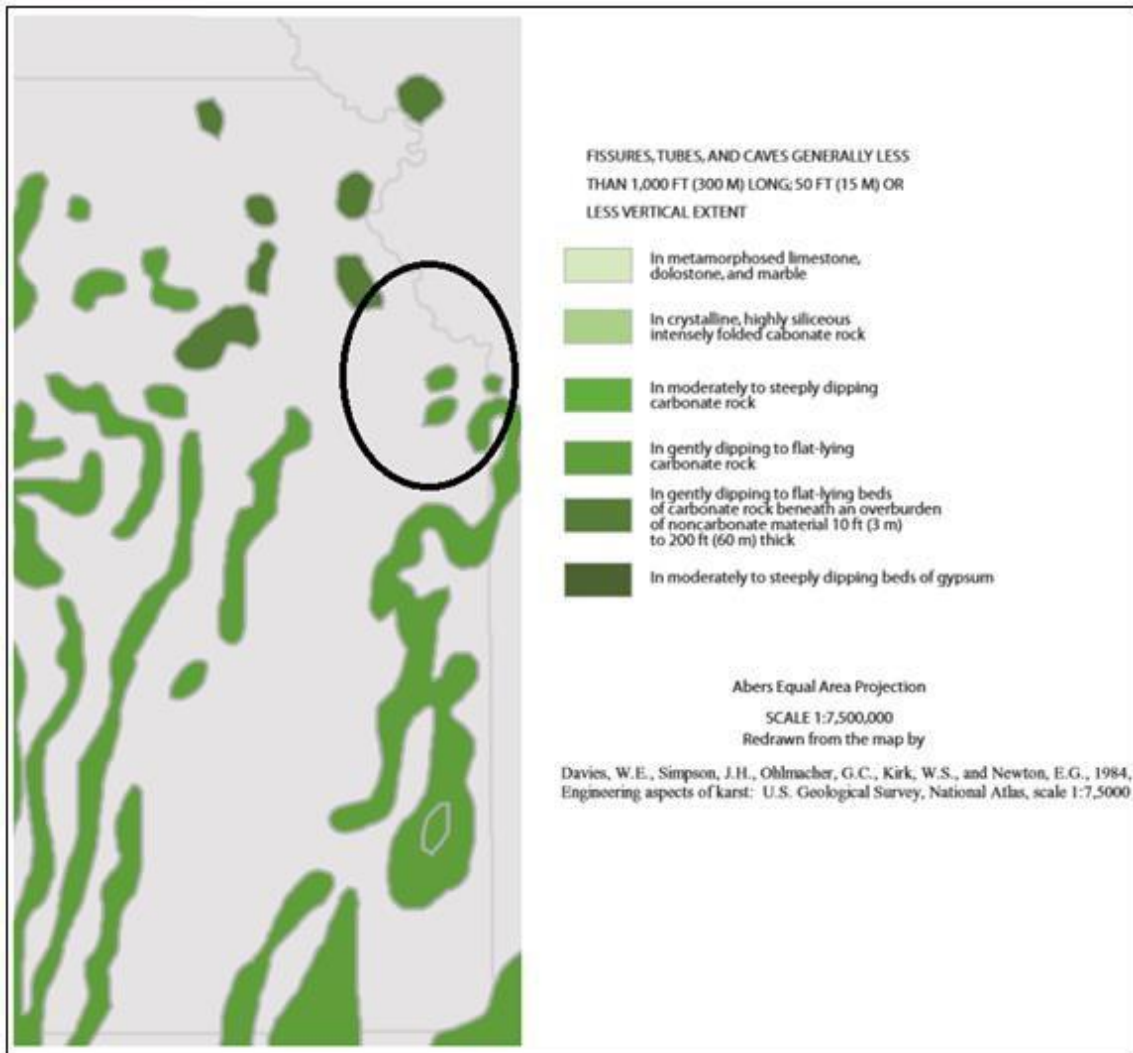
Table 4.173: Kansas Region L Sub-Surface Void Space

County	Total Sub-Surface Void Space
Johnson	695
Leavenworth	1,220
Wyandotte	1,064

Source: KDHE

Of additional concern to Kansas Region L is Karst topography. Karst topography is characterized by sinkholes, depressions, caves, and underground drainage created when groundwater dissolves soluble subsurface rocks such as limestone, gypsum, and dolomite. The following map from the United States Geologic Survey (USGS) indicates areas of Karst topography in the region.

Regional Karst Topography



4.28.2 – Previous Occurrences

There has been one reported land subsidence event in Kansas Region L during the ten-year period from 2009 to 2018.

- **2015:** An isolated sinkhole appeared east of Hole 13 on the Canyon Farms Golf Course in Lenexa, Kansas.

4.28.3 – Hazard Probability Analysis

Land subsidence events with the potential to affect Kansas Region L are incredibly difficult to quantify and forecast. Compounding the difficulty, land subsidence events occur on their own or occur as a secondary hazard with incidents of heavy rain, melting snow, and earthquakes as a primary cause. Hence, their future occurrences are highly dependent on the likelihood of the mentioned hazards.

Based on limited available data, indicating that there has been one reported event in the past ten years, and bearing in mind that many land subsidence events may be unreported as they have no impact on human activities, the probability of a reported land subsidence occurrence is 10% in any given year.

4.28.4 Vulnerability Analysis

Jurisdictions with a high or increasing population and/or a high or increasing structural valuation are to be considered to have a potentially greater vulnerability.

Vulnerability to land subsidence in Kansas Region L was analyzed using the KDHE “Subsurface Void Space and Sinkhole/Subsidence Area Inventory for the State of Kansas” report. All documented acres of subsurface void space were classified according to these risk categories for each of the following causes of void space:

- Lead and Zinc Mines
- Coal Mines
- Limestone Mines
- Gypsum Mines
- Salt Solution Mining
- Rock Salt Mines
- Hydrocarbon Storage Caverns

Based on these classifications, a risk category was assigned to each of the subsurface void acres:

- Category I: High Risk
- Category II: Medium Risk
- Category III: Low Risk

The following table shows the classification of the void space in each of the Kansas Region L counties. Please note that not all classifications with identified acreage are shown.



Table 4.174: Kansas Region L Sub-Surface Void Space Risk Classification

County	Coal Category III Acres	Limestone Category I Acres	Limestone Category II Acres	Limestone Category III Acres
Johnson	0	209	209	277
Leavenworth	1,100	40	40	40
Wyandotte	0	394	323	347

Source: KDHE

Based on this data, the area for each county underlain by sub-surface void acreage was determined. The higher percentage of acreage underlain by void area the higher the vulnerability.

Table 4.175: Kansas Region L Percentage of Land Underlain by Sub-Surface Void Space

County	Total County Acreage	Sub-Surface Void Space Acreage	Percentage of County Acreage Underlain by Void Space
Johnson	307,200	695	0.23%
Leavenworth	300,160	1,220	0.41%
Wyandotte	99,840	1,064	1.07%

Source: KDHE

The following table presents data from HAZUS and local damage reports concerning the value of structures and the percentage of structures for each Kansas Region L county incurring damage over the period 2009 to 2018 from land subsidence events. A greater percentage of damaged structures damaged may indicate a greater potential future vulnerability.

Table 4.176: Kansas Region L Structural Vulnerability Data for Land Subsidence

County	HAZUS Building Valuation	Reported Structure Damage 2009-2018	Percentage of Building Valuation Damaged
Johnson	\$124,279,962,000	\$0	0.0%
Leavenworth	\$13,050,342,000	\$0	0.0%
Wyandotte	\$29,708,946,000	\$0	0.0%

Source: Local reports and HAZUS

4.28.5 – Impact and Consequence Analysis

As per EMAP requirements, the following table provides the Consequence Analysis.

Table 4.177: Land Subsidence Consequence Analysis

Subject	Impacts of Land Subsidence
Health and Safety of the Public	Local impact expected to be moderate to severe for the incident area, depending on the scale of the area.
Health and Safety of Responders	Impact to responders would be minimal.
Continuity of Operations	Minimal expectation of execution of the COOP, unless a facility is impacted.
Property, Facilities, and Infrastructure	Localized impact to facilities and infrastructure in the incident area has the potential to do severe damage.
Environment	Impact to the area would be minimal.



Table 4.177: Land Subsidence Consequence Analysis

Subject	Impacts of Land Subsidence
Economic Conditions	Impacts to the economy will depend on the severity of the damage.
Public Confidence in the Jurisdiction's Governance	Local development policies will be questioned



5.0 Capability Assessment

5.1 – Introduction

44 CFR 201.6 does not require a capability assessment to be completed for local hazard mitigation plans. However, 201.6(c)(3) states "A mitigation strategy that provides the jurisdiction's blueprint for reducing the potential losses identified in the risk assessment, based on existing authorities, policies, programs and resources, and its ability to expand on and improve these existing tools."

This section of the plan discusses the current capacity of regional communities to mitigate the effects of identified hazards. A capability assessment is conducted to determine the ability of a jurisdiction to execute a comprehensive mitigation strategy, and to identify potential opportunities for establishing or enhancing specific mitigation policies, programs or projects.

A capability assessment helps to determine which mitigation actions are practical based on a jurisdiction's fiscal, staffing and political resources. A capability assessment consists of:

- An inventory of relevant plans, ordinances, or programs already in place
- An analysis capacity to carry them out.

A thoughtful review of jurisdictional capabilities will assist in determining gaps that could limit current or proposed mitigation activities, or potentially aggravate a jurisdiction's vulnerability to an identified hazard. Additionally, a capability assessment can detail current successful mitigation actions that should continue to receive support.

For this plan each participating jurisdiction was given an opportunity to present their capability assessment information.

5.2 – Granted Authority

In implementing a mitigation plan or specific action, a local jurisdiction may utilize any or all of the four broad types of government authority granted by the State of Kansas. The four types of authority are defined as:

- Regulation
- Acquisition
- Taxation
- Spending

Regulation

The scope of this local authority is subject to constraints, however, as all of Kansas' political subdivisions must not act without proper delegation from the State. Under a principle known as "Dillon's Rule," all power is vested in the State and can only be exercised by local governments to the extent it is delegated.



Acquisition

The power of acquisition can be a useful tool for pursuing local mitigation goals. Local governments may find the most effective method for completely “hazard-proofing” a particular piece of property or area is to acquire the property, thus removing the property from the private market and eliminating or reducing the possibility of inappropriate development occurring. Kansas legislation empowers cities, towns, counties to acquire property for public purpose by gift, grant, devise, bequest, exchange, purchase, lease or eminent domain (County Home Rule Powers, K.S.A. 19-101, 19-101a, 19-212).

Taxation

The power to levy taxes and special assessments is an important tool delegated to local governments by Kansas law. The power of taxation extends beyond merely the collection of revenue, and can have a profound impact on the pattern of development in the community. Communities have the power to set preferential tax rates for areas which are more suitable for development in order to discourage development in otherwise hazardous areas. Local units of government also have the authority to levy special assessments on property owners for all or part of the costs of acquiring, constructing, reconstructing, extending or otherwise building or improving flood control within a designated area. This can serve to increase the cost of building in such areas, thereby discouraging development. Because the usual methods of apportionment seem mechanical and arbitrary, and because the tax burden on a particular piece of property is often quite large, the major constraint in using special assessments is political. Special assessments seem to offer little in terms of control over land use in developing areas. They can, however, be used to finance the provision of necessary services within municipal or county boundaries. In addition, they are useful in distributing to the new property owners the costs of the infrastructure required by new development.

Spending

The Kansas General Assembly allocated the ability to local governments to make expenditures in the public interest. Hazard mitigation principles can be made a routine part of all spending decisions made by the local government, including the adoption of annual budgets and a Capital Improvement Plan. A Capital Improvement Plan is a schedule for the provision of municipal or county services over a specified period of time. Capital programming, by itself, can be used as a growth management technique, with a view to hazard mitigation. By tentatively committing itself to a timetable for the provision of capital to extend services, a community can control growth to some extent. In addition to formulating a timetable for the provision of services, a local community can regulate the extension of and access to services. A Capital Improvement Plan that is coordinated with extension and access policies can provide a significant degree of control over the location and timing of growth. These tools can also influence the cost of growth. If the Capital Improvement Plan is effective in directing growth away from environmentally sensitive or high hazard areas.



5.3 – Governance

All counties within Kansas Region L operate under a county commissioner form of governance, with the elected board of commissioners overseeing county operations.

Table 5.1: County Governance

Jurisdiction	Government Structure	Number of Commissioners
Johnson County	Commission	7
Leavenworth County	Commission	5
Wyandotte County	Commission	10

In general, the participating towns and cities in Kansas Region L operate either under a Mayoral form of governance or an elected city council form of governance.

5.4 – Jurisdictional Capabilities

Information as to the current capacity of participating jurisdictions is summarized in the following sections and tables. All capability information was provided by jurisdictional officials through the above referenced questions and through outreach from the MPC.

The ability of a local government to develop and implement mitigation projects, policies, and programs is directly tied to its ability to direct staff time and resources for that purpose. Administrative capability can be evaluated by determining how mitigation-related activities are assigned to local departments and if there are adequate personnel resources to complete these activities. The degree of intergovernmental coordination among departments will also affect administrative capability for the implementation and success of proposed mitigation activities.

Many smaller jurisdictions have very limited to no planning, management, response or mitigation capabilities. Often these jurisdictions rely on the county or nearby larger municipalities for assistance. This lack of capabilities is reflected in the following tables. Additionally, many very small or extremely limited participating small jurisdictions, largely townships, are not listed on the capability list. This in no way diminishes the participation in the process of these jurisdictions. Finally, special district capabilities are included in their overarching jurisdiction.

5.4.1 – Planning Capabilities

The planning capability assessment is designed to provide a general overview of the key planning and regulatory tools or programs in place or under development. This information helps identify opportunities to address existing planning gaps and provides an opportunity to review areas that mitigation planning actions can be utilized with existing plans. Jurisdictions were asked if they had completed the following plans:

Comprehensive Plan: A comprehensive plan establishes the overall vision for a jurisdiction and serves as a guide to governmental decision making. A comprehensive plan generally contains



information on demographics, land use, transportation, and facilities. As a comprehensive plan is broad in scope the integration of hazard mitigation measures can enhance the likelihood of achieving risk reduction goals.

Critical Facilities Plan: A critical facilities plan is used to identify a jurisdiction's critical facilities, including fire stations, police stations, hospitals, schools, day care centers, senior care facilities, major roads and bridges, critical utility sites, and hazardous material storage areas. Additionally, this plan may be used to determine methods to mitigate damage to these facilities.

Debris Management Plan: A debris management plan covers the response and recovery from debris-causing incidents such as tornados or floods. Planning considerations include debris removal and disposal, disposal locations, equipment availability, and personnel training.

Emergency Operations Plan: An emergency operations plan outlines responsibility, means and methods by which resources are deployed during and following an emergency or disaster.

Evacuation Plan: A plan that outlines routes and methods by which populations are evacuated during and following an emergency or disaster.

Fire Mitigation Plan: A fire mitigation plan is used to mitigate a jurisdiction's wildfire risk and vulnerability. The plan documents areas with an elevated risk of wildfires, and identifies the actions taken to decrease the risk. A fire mitigation plan can influence and prioritize future funding for hazardous fuel reduction projects, including where and how federal agencies implement fuel reduction projects on federal lands.

Flood Mitigation Assistance Plan: The purpose of the flood mitigation assistance plan is to reduce or eliminate the long-term risk of flood damage to buildings and other structures insured under the NFIP.

Recovery Plan: A disaster recovery plan guides the recovery and reconstruction process following a disaster. Hazard mitigation principles should be incorporated into disaster recovery plans to assist in breaking the cycle of disaster loss.

Vulnerable Population Plan and/or Inventory: A vulnerable populations plan is used to develop a strategic approach for support to persons with functional or special needs before, during and following a disaster.

The table below summarizes relevant jurisdictional planning capabilities.



Table 5.2: Jurisdictional Planning Capabilities

Jurisdiction	Comprehensive Plan	Critical Facilities Plan	Debris Management Plan	Emergency Operations Plan	Evacuation Plan	Fire Mitigation Plan	Flood Mitigation Assistance Plan	Recovery Plan	Vulnerable Population Plan and/or Inventory
Johnson County	x	x	x	x	x	x	x	x	x
City of DeSoto	x			x				x	
City of Edgerton	x								
City of Fairway	x								
City of Gardner	x			x					
City of Lake Quivira	x								
City of Leawood	x			x				x	
City of Lenexa	x		x	x					
City of Merriam	x			x					
City of Mission	x			x					
City of Mission Hills	x			x					
City of Mission Woods	x								
City of Olathe	x			x					
City of Overland Park	x		x	x					
City of Prairie Village	x								
City of Roeland Park	x								
City of Shawnee	x			x			x	x	
City of Spring Hill	x			x					
City of Westwood	x								
City of Westwood Hills	x								
Leavenworth County	x		x	x	x				
City of Basehor		x	x	x	x		x	x	x
City of Easton		x	x	x					
City of Lansing	x	x	x	x					
City of Leavenworth	x	x	x	x	x		x	x	x
City of Linwood		x	x	x					
City of Tonganoxie	x	x	x	x	x		x	x	x
Wyandotte County	x		x	x				x	x
City of Bonner Springs	x			x				x	
City of Edwardsville	x			x				x	



5.4.2 – Codes and Ordinances

Participating jurisdictions were asked if the following codes and ordinances and plans were established and enforced:

Building Code: Many structural mitigation measures involve constructing and retrofitting homes, businesses and other structures according to standards designed to make the buildings more resilient to the impacts of natural hazards. Many of these standards are imposed through the building code.

Floodplain Ordinance: In general, floodplain ordinances are used to:

- Minimize the extent of floods by preventing obstructions that inhibit water flow and increase flood height and damage.
- Prevent and minimize loss of life, injuries, and property damage in flood hazard areas.
- Promote the public health, safety and welfare of citizens in flood hazard areas.

Floodplain ordinances may allow jurisdictions to:

- Manage planned growth
- Adopt local ordinances to regulate uses in flood hazard areas
- Enforce those ordinances
- Grant permits for use in flood hazard areas that are consistent with the ordinance

These ordinances can also help ensure meeting the minimum requirements of participation in the NFIP. The incentive for local governments adopting such ordinances is that they will afford their residents the ability to purchase flood insurance through the NFIP.

Stormwater Ordinance: The purpose of a stormwater ordinance is to protect the quality and quantity of local, regional and state waters from the potential harm of unmanaged stormwater. Stormwater ordinances include protection from activities that result in the degradation of properties, water quality, stream channels, and other natural resources.

Nuisance Ordinance: Local governments may use their ordinance-making power to abate “nuisances,” which could include, by local definition, any activity or condition making people or property more vulnerable to any hazard.

Zoning: Zoning is the traditional and most common tool available to local jurisdictions to control the use of land. Zoning is used to promote health, safety, and the general welfare of the community. Zoning is used to dictate the type of land use and to set minimum specifications for use such as lot size, building height and setbacks, and density of population. Local governments are authorized to divide their jurisdiction into districts, and to regulate and restrict the erection, construction, reconstruction, alteration, repair or use of buildings, structures, or land within those districts. Districts may include general use districts, overlay districts, special use districts or conditional use districts. Zoning ordinances consist of maps and written text.



The table below summarizes relevant jurisdictional codes and ordinances.

Table 5.3: Jurisdictional Codes and Ordinances

Jurisdiction	Building Code	Floodplain Ordinance	Nuisance Ordinance	Storm Water Ordinance	Zoning Ordinance
Johnson County	x	x		x	x
City of DeSoto	x	x		x	x
City of Edgerton	x	x			
City of Fairway	x	x			
City of Gardner	x	x			
City of Lake Quivira	x	x			
City of Leawood	x	x	x	x	x
City of Lenexa	x	x	x	x	x
City of Merriam	x	x			
City of Mission	x	x			
City of Mission Hills	x	x	x	x	x
City of Mission Woods	x	x			
City of Olathe	x	x			
City of Overland Park	x	x			
City of Prairie Village	x	x			
City of Roeland Park	x	x			
City of Shawnee	x	x	x	x	x
City of Spring Hill	x	x			
City of Westwood	x	x			
City of Westwood Hills	x	x			
Leavenworth County		x	x		x
City of Basehor	x	x	x	x	x
City of Easton		x			
City of Lansing	x	x	x	x	x
City of Leavenworth	x	x	x	x	x
City of Linwood		x		x	
City of Tonganoxie		x	x	x	x
Wyandotte County	x	x	x	x	x
City of Bonner Springs	x	x	x	x	x
City of Edwardsville	x	x	x	x	x



5.4.3 – Jurisdictional Programs

This part of the capability’s assessment includes the identification and evaluation of existing programs for each participating jurisdiction:

Community Rating System program under the National Flood Insurance Program: The NFIP's CRS is a voluntary incentive program that recognizes and encourages community floodplain management activities that exceed the minimum NFIP requirements. Participants are offered flood insurance premium rates at a discount to reflect the reduced flood risk resulting from the community actions meeting the three goals of the CRS. These goals are the reduction of flood damage to insurable property, the strengthening and support of insurance aspects of the NFIP, and the encouragement of a comprehensive approach to floodplain management.

Firewise Community Certification: The Firewise Communities Program encourages local solutions for safety by involving homeowners in taking individual responsibility for preparing their homes from the risk of wildfire. Firewise is a key component of Fire Adapted Communities, a collaborative approach that connects all those who play a role in wildfire education, planning and action with comprehensive resources to help reduce risk. The program is co-sponsored by the USDA Forest Service, the US Department of the Interior, and the National Association of State Foresters.

ISO Fire Rating: This assessment also includes the identification and evaluation of existing ISO fire ratings. The Fire Suppression Rating Schedule is a manual containing the criteria ISO uses in reviewing the fire prevention and fire suppression capabilities of individual communities or fire protection areas. The schedule measures the major elements of a community’s fire protection system and develops a numerical grading called a Public Protection Classification.

National Flood Insurance Program: In 1968, Congress created the NFIP to help provide a means for property owners to financially protect themselves. The NFIP offers flood insurance to homeowners, renters, and business owners if their community participates in the NFIP. Participating communities agree to adopt and enforce ordinances that meet or exceed FEMA requirements to reduce the risk of flooding.

National Weather Service StormReady Program: StormReady uses a grassroots approach to help communities develop plans to handle all types of severe weather. The program encourages communities to take a new, proactive approach to improving local hazardous weather operations by providing emergency managers with clear-cut guidelines on how to improve their hazardous weather operations

The table below summarizes relevant local programs.



Table 5.4: Jurisdictional Program Capabilities

Jurisdiction	Community Rating System	Firewise Community Certification	ISO Fire Rating	National Flood Insurance Program	National Weather Service Storm Ready Certification
Johnson County				x	x
City of DeSoto			3/10	x	
City of Edgerton				x	
City of Fairway				x	
City of Gardner				x	
City of Lake Quivira				x	
City of Leawood			1	x	
City of Lenexa	8		x	x	
City of Merriam				x	
City of Mission				x	
City of Mission Hills			1	x	
City of Mission Woods				x	
City of Olathe	8			x	
City of Overland Park	7			x	
City of Prairie Village				x	
City of Roeland Park				x	
City of Shawnee	6		2	x	
City of Spring Hill				x	
City of Westwood				x	
City of Westwood Hills				x	
Leavenworth County				x	x
City of Basehor			4	x	x
City of Easton			6	x	x
City of Lansing	7		4	x	x
City of Leavenworth			2	x	x
City of Linwood	9		5	x	x
City of Tonganoxie			4	x	x
Wyandotte County	6		2/10	x	x
City of Bonner Springs	7		4	x	x
City of Edwardsville			4	x	x

In addition, participating jurisdictions operate with mutual aid agreements. These are understandings among localities to lend assistance across jurisdictional boundaries. Mutual aid may be requested only when an emergency occurs that exceeds local resources.



5.4.4 – Staffing and Departmental Capabilities

A comprehensive mitigation program relies on many skilled professionals. These professionals include:

- Planners
- Emergency managers
- Floodplain managers
- GIS personnel

While exact responsibilities differ from jurisdiction to jurisdiction, the general duties of applicable departments are described below:

Building Official: Building officials are generally the jurisdictional administrator of building and construction codes, engineering calculation supervision, permits, facilities management, and accepted construction procedures. They may also inspect structures to ensure compliance with the plans and to check workmanship as well as code compliance.

Emergency Management Coordinator: The Emergency Management office is responsible for the mitigation, preparedness, response and recovery operations that deal with both natural and man-made disaster events. The formation of an emergency management department in each county is mandated under Kansas General Statutes.

Local Emergency Planning Committee: Local Emergency Planning Committees are generally housed at the county or municipal level. They do not function in actual emergency situations, but attempt to identify and catalogue potential hazards, identify available resources, mitigate hazards when feasible, and write emergency plans. The role of the LEPC is to anticipate and plan the initial response for foreseeable disasters in their jurisdiction.

Mapping Specialist: A geographic information system (GIS) is a system designed to capture, store, manipulate, analyze, manage, and present all types of geographical data. A GIS mapping specialist uses this data to create county maps, including flood plain, fire hazard, drought and other mitigation maps.

NFIP Floodplain Administrator: The NFIP floodplain administrator ensures a jurisdiction is meeting the minimum requirements of participation in the NFIP, and often is tasked with applying for funding or grants.

Planning Department: A planning department usually provides management and oversight of development through the application of codes, ordinances, building regulations and public input.

Public Works Official: Public works officials usually provide management and oversight of infrastructure projects such as public buildings (municipal buildings, schools, hospitals), transport infrastructure (roads, railroads, bridges, pipelines, airports), public spaces (public squares, parks), public services (water supply, sewage, electrical grid, dams), and other physical assets and facilities.



The table below summarizes relevant local staffing and departmental capabilities.

Table 5.5: Staffing and Departmental Capabilities

Jurisdiction	Building Code Official or Inspector	Emergency Management Coordinator	Local Emergency Planning Committee	Mapping Specialist (GIS)	NFIP Floodplain Administrator	Planning Department	Public Works Official
Johnson County	X	X	X	X	X	X	X
City of DeSoto	X	X	X		X	X	X
City of Edgerton	X		X		X		
City of Fairway	X		X		X		
City of Gardner	X	X	X		X		
City of Lake Quivira	X		X		X		
City of Leawood	X	X	X		X	X	X
City of Lenexa	X	X	X	X	X	X	X
City of Merriam	X	X	X		X		
City of Mission	X	X	X		X		
City of Mission Hills	X	X	X		X	X	X
City of Mission Woods	X		X		X		
City of Olathe	X	X	X	X	X	X	X
City of Overland Park	X	X	X	X	X	X	X
City of Prairie Village	X		X		X		
City of Roeland Park	X		X		X		
City of Shawnee	X	X	X	X	X	X	X
City of Spring Hill	X	X	X		X		
City of Westwood	X		X		X		
City of Westwood Hills	X		X		X		
Leavenworth County		X	X	X	X	X	X
City of Basehor	X	X	X	X	X	X	
City of Easton		X	X	X	X		
City of Lansing	X	X	X	X	X	X	X
City of Leavenworth	X	X	X	X	X	X	X
City of Linwood		X	X	X	X		
City of Tonganoxie	X	X	X	X	X	X	X
Wyandotte County	X	X	X	X	X	X	X
City of Bonner Springs			X		X		
City of Edwardsville	X		X		X	X	X



5.4.5 – Non-Governmental Organizations Capabilities

Non-Governmental Organizations (NGOs) are legally constituted corporations that operate independently from any form of government and are not conventional for-profit businesses. In the cases in which NGOs are funded totally or partially by a government agency, the NGO maintains its non-governmental status by excluding government representatives from membership in the organization. The following is a brief discussion of both the American Red Cross and the Salvation Army, both of which provide regional operations and coverage.

American Red Cross: The American Red Cross is a humanitarian organization that provides emergency assistance, disaster relief and education. In addition, they offers services in five other areas: community services that help the needy; communications services and comfort for military members and their family members; the collection, processing and distribution of blood and blood products; educational programs on preparedness, health, and safety; and international relief and development programs.

Salvation Army: The Salvation Army is a Christian denomination and international charitable organization. In addition to being among the first to arrive with help after natural or man-made disasters, the Salvation Army runs charity shops and operates shelters for the homeless.

5.4.6 – Fiscal Capabilities

In general, the jurisdictions of the Kansas Region L receive the majority of their revenue through state and local sales tax and federal and state pass through dollars. Based on available revenue information, and given that both the state and counties are experiencing budget deficits, funding for mitigation programs and disaster response is at a premium. Adding to the budget crunch is the increased reliance on local accountability by the federal government.

The following provide brief definitions of applicable fiscal programs:

Application and Management of Grant Funding: The jurisdiction has the staffing and capabilities to apply for grant funding and oversee all necessary provisions of the funding.

Authority to Levy Taxes: The authority to levy taxes would allow the jurisdiction to tax its population base.

Authority to Withhold Spending in Hazard Prone Areas: The ability of a jurisdiction to not provide funding for activities or actions in an area that is known to be prone to specific hazards.

Incur Debt through General Obligation Bonds: General obligation bonds are issued with the belief that a municipality will be able to repay its debt obligation through taxation or revenue from projects. General obligation bonds can be used to generate funds for mitigation projects.

Usage of Capital Improvement Funding for Mitigation Projects: Capital improvement allows for spending on identified capital projects and for equipment purchases, in this context related to mitigation projects.



The following table highlights each jurisdiction’s fiscal capabilities.

Table 5.6: Jurisdictional Fiscal Capabilities

Jurisdiction	Apply for and Manage Grant Funding	Authority to levy taxes for specific purposes	Authority to Withhold spending in hazard prone areas	Incur Debt through General Obligation Bonds	Usage of Capital Improvement Funding for Mitigation Projects
Johnson County	X	X	X	X	X
City of DeSoto	X	X		X	X
City of Edgerton	X	X			X
City of Fairway	X	X			X
City of Gardner	X	X			X
City of Lake Quivira	X	X			X
City of Leawood	X	X		X	X
City of Lenexa	X	X	X	X	X
City of Merriam	X	X			X
City of Mission	X	X			X
City of Mission Hills	X	X	X	X	X
City of Mission Woods	X	X			X
City of Olathe	X	X			X
City of Overland Park	X	X			X
City of Prairie Village	X	X			X
City of Roeland Park	X	X			X
City of Shawnee	X	X		X	X
City of Spring Hill	X	X			X
City of Westwood	X	X			X
City of Westwood Hills	X	X			X
Leavenworth County	X	X	X	X	X
City of Basehor	X	X	X	X	X
City of Easton		X	X	X	
City of Lansing	X	X	X	X	X
City of Leavenworth	X	X	X	X	X
City of Linwood		X	X	X	
City of Tonganoxie		X	X	X	X
Wyandotte County	X	X	X	X	X
City of Bonner Springs	X	X			X
City of Edwardsville	X	X	X	X	X



5.4.7 – School Capability Assessment

Participating school districts were provided with a different set of questions that participating governmental jurisdictions. These questions were asked to ascertain the level of preparedness of the institution.

The following provides brief definitions of terms used in the capability assessment of schools. Please note that some definitions have been provided in previous sections.

Access to Local, Regional and State Funds: The ability to use local, regional and state funding on school activities and improvements.

Active Shooter Plan: An active shooter plan outlines responsibility, means and methods by which resources are deployed during an active shooter scenario.

Capital Improvement Plan: A capital improvement plan guides scheduling of, and spending on, school improvements. A capital improvement plan can guide future development away from identified hazard areas, an incorporate identified mitigation strategies.

District Master Plan: A master plan establishes the overall vision and serves as a guide to decision making. A master plan generally contains information on demographics, land use, transportation, and facilities. As a master plan is broad in scope the integration of hazard mitigation measures can enhance the likelihood of achieving risk reduction goals.

Emergency Operations Plan/Evacuation Plan: An emergency operations plan outlines responsibility, means and methods by which resources are deployed during and following an emergency or disaster. Often included in these plans are detailed evacuation procedures and policies.

Incur Debt through General Obligation Bonds: General obligation bonds are issued with the belief that an entity will be able to repay its debt obligation through taxation or revenue from projects. General obligation bonds can be used to generate funds for mitigation projects.

School Safety or Resource Officer: A person with overall responsibility for safety of the school, students and staff.

Information as to the current capacity of participating schools, colleges and universities is summarized in the following table.



Table 5.7: College, University or USD Capabilities

Jurisdiction	Access to Local, Regional and State funds	Active Shooter Plan or Policy	Capital Improvement Plan	District Master Plan	School Emergency and Evacuation Plans	School Safety or Resource Officers or Dedicated Law Enforcement
Johnson County						
USD #229 – Blue Valley	x				x	
USD #230 – Spring Hill	x				x	
USD #231 – Gardner/Edgerton	x				x	
USD #232 – DeSoto	x	x	x	x	x	x
USD #233 – Olathe	x				x	
USD #512 – Shawnee Mission	x				x	
Kansas School for the Deaf	x				x	
Johnson County Community College	x	x	x		x	
University of Kansas Edwards Campus	x	x	x	x	x	x
Leavenworth County						
USD #207 – Fort Leavenworth	x	x			x	
USD #449 – Easton	x	x			x	x
USD #453 – Leavenworth	x	x			x	x
USD #458 – Basehor-Linwood	x	x			x	x
USD #464 – Tonganoxie	x	x	x	x	x	x
USD #469 – Lansing	x	x			x	
University of St. Mary	x	x	x		x	
Wyandotte County						
Kansas School for the Deaf and Blind	x	x	x	x	x	x
USD #202 - Turner	x				x	
USD #203 - Piper	x				x	
USD #204 – Bonner-Edwardsville	x	x	x	x	x	x
USD #500 – Kansas City, Kansas	x	x	x	x	x	x
Kansas City, Kansas Community College	x	x	x		x	x

Additionally, under K.S.A. 72-5457 (General Provisions for the Issuance of Bonds), all Kansas USDs may issue general obligation bonds to:

- Purchase or improve any site or sites necessary for school district purposes including housing and boarding pupils enrolled in an area vocational school
- Acquire, construct, equip, furnish, repair, remodel or make additions to buildings including housing and boarding pupils enrolled in an area vocational school operated under the board of education of a school district



6.0 Mitigation Strategy

6.1 – Introduction

As part of this planning effort, Kansas Region L and its participating jurisdictions worked to minimize the risk of future impacts from identified hazards to all citizens. In an attempt to shape future regulations, ordinances and policy decisions, the MPC reviewed and developed a hazard mitigation strategy. This comprehensive strategy includes:

- The consistent review and revision, as necessary, of obtainable goals and objectives
- The consistent review, revision and development of a comprehensive list of potential hazard mitigation actions

The development of a robust mitigation strategy allows for:

- The ability to effectively direct limited resources for maximum benefit
- The ability to prioritize identified hazard mitigation projects to maximize positive outcomes
- The increase in public and private level participation in hazard mitigation through transparency and awareness
- The potential direction of future policy decisions through awareness and education
- The achievement of the ultimate goal of a safer region for all our citizens

Considering the factors listed above, the MPC continues to implement the following mitigation strategy:

- **Implement** the recommendations of this plan.
- **Utilize** existing regulations, policies, programs, procedures, and plans already in place.
- **Share** information on Funding opportunities.
- **Communicate** the information contained in this plan so all jurisdictions and citizens have a clearer understanding of the hazards facing the region and what can be done to mitigate their impacts.
- **Publicize** the success stories that have been achieved through the region’s ongoing mitigation efforts.

6.2 – Emergency Management Accreditation Program Integration

As per requirements, in identifying and reviewing mitigation actions the following activities recommended by the EMAP were considered:

- The use of applicable building construction standards
- Hazard avoidance through appropriate land-use practices
- Relocation, retrofitting, or removal of structures at risk
- Removal or elimination of the hazard
- Reduction or limitation of the amount or size of the hazard
- Segregation of the hazard from that which is to be protected
- Modification of the basic characteristics of the hazard
- Control of the rate of release of the hazard
- Provision of protective systems or equipment for both cyber or physical risks



- Establishment of hazard warning and communication procedures
- Redundancy or duplication of essential personnel, critical systems, equipment, and information materials.

6.3 – Identification of Goals

44 CFR 201.6 (c)(3)(i) A description of mitigation goals to reduce or avoid long-term vulnerabilities to the identified hazards.

Through thorough discussions at stakeholder meetings, the MPC determined that the four previously identified primary hazard mitigation goals remained relevant and applicable. This was because the priorities of Kansas Region L in relation to hazard mitigation planning have not changed during the five-year planning cycle. These goals were reviewed through a well-established consideration process, instituted by the MPC during previous plan updates, which consisted of:

- A review of previously identified hazard mitigation goals
- A review of demographic and built environment data
- A review of identified hazards, hazard events, and vulnerabilities
- A review all identified hazard mitigation actions

The following goals represent the Kansas Region L vision for hazard mitigation and disaster resilience.

- **Goal 1:** Reduce or eliminate risk to the people and property of Kansas Region L from the impacts of the identified hazards in this plan.
- **Goal 2:** Strive to protect all vulnerable populations, structures, and critical facilities in Kansas Region L from the impacts of the identified hazards.
- **Goal 3:** Improve public outreach initiatives to include education, awareness and partnerships with all entities in order to enhance understanding of the risk Kansas Region L faces due to the impacts of the identified hazards.
- **Goal 4:** Enhance communication and coordination among all agencies and between agencies and the public.

6.4 – Problem Statements

Based on the regionally identified hazards, county specific problem statements have been developed to detail identified major concerns that can potentially be addressed through proposed mitigation actions. MPC members were tasked with working with each participating jurisdiction to develop problem statements for their county. Additionally, problem statements from the public survey are incorporated to provide a community wide view. Problems statements were developed using the following inputs:

- Identify a key point of concern
- Is the problem getting worse, better, or staying the same?
- What are the identified or potential impacts?



The following table present regional problem statements to be utilized in informing the review, modification and development of hazard mitigation actions.

Table 6.1: Kansas Region L Problem Statements

Identified Hazard	Problem Statement	Potential Impact(s)
HazMat	Kansas Region L is a hub for interstate and intrastate commerce, increasing the potential of a HazMat event	Increased injuries, deaths and property damage
Flood	Low-water crossing throughout the region repeatedly flood	Road damage, potential loss of life, cutoff of emergency services
Flood	The number of flood insurance policies have decreased from 2012 to 2018	Loss of coverage for flood prone properties.
Tornado	Predictions indicate a potential increase in the number of tornados per year	Increased injuries, deaths and property damage
Windstorm	Kansas Region L is located in Wind Region IV, the highest classification for inland winds.	High potential for property damages, injuries and/or deaths
Winter Storm	Ice storms may damage utilities, especially as grid ages	Lack of service to citizens, potential adverse impacts due to loss of heat or power
Utility Failure	Power infrastructure is above ground and susceptible to a range of hazards	Lack of service to citizens, potential adverse impacts due to loss of heat or power

The following tables present county specific problem statements as identified through both public and stakeholder input to be utilized in informing the review, modification and development of hazard mitigation actions.

Table 6.2: Johnson County Problem Statements

Identified Hazard	Problem Statement
All Hazards	Current public outreach initiatives need to be expanded.
Flood	Flooding is a consistent threat to jurisdictions within the county.
Tornado and Windstorm	All school buildings should have saferooms to accommodate all students and staff.
Utility /Infrastructure Failure	Power outages impact the capabilities of all participating jurisdictions.
Utility Failure	City of De Soto depends on sewer pump stations in a disaster we will need emergency power for up to seven pump stations to prevent sewer backups.

Table 6.3: Leavenworth County Problem Statements

Identified Hazard	Problem Statement
Flood	Flooding is a consistent threat to jurisdictions within the county.
Tornado	Safe rooms should be incorporated in all new construction.
Tornado	Safe rooms should be constructed in all schools.
Tornado	Tornado siren system should provide coverage for entire county.
Utility Failure	Power outages impact the capabilities of all participating jurisdictions.



Table 6.4: Wyandotte County Problem Statements

Identified Hazard	Problem Statement
All Hazards	Public needs to be engaged with hazard mitigation planning.
All Hazards	Large population centers increase potential for injury or death.
Flood	Flooding is a consistent threat to jurisdictions within the county.
HazMat	Large transportation infrastructure may increase risk of HazMat event.

6.5 – Completed Mitigation Actions

Sine the completion of the previous HMP, each jurisdiction has been tracking the completion status of all identified hazard mitigation actions. Each of the following completed actions should be viewed as a testament to the effectiveness of the HMP and a positive step in creating safer and more resilient communities.

Table 6.5: Johnson County and Participating Jurisdictions Completed Hazard Mitigation Actions

Jurisdiction	Action Description
Leawood	Protection of Utilities at a fire station #1 with new generator
Leawood	Installation of additional warning system sirens and computer monitoring system for two areas that lack adequate coverage from existing warning sirens
Mission Hills	Peetwood Park Improvements. Indian lane abuts this park and historically the roadway is overtopped with water when there is a significant rain event.
Mission Hills	Mission Drive Channel that runs from State Line Road to 63rd street abuts property that is in the floodplain (including a church and the City Hall). The flooding also affects two bridges and three public roads.

Table 6.6: Leavenworth County and Participating Jurisdictions Completed Hazard Mitigation Actions

Jurisdiction	Action Description
Leavenworth County	Establish a local reserve fund to augment the Leavenworth County GIS Department’s ability to monitor building trends and erosion patterns across the county through frequent aerial photography.

Table 6.7: Wyandotte County and Participating Jurisdictions Completed Hazard Mitigation Actions

Jurisdiction	Action Description
Board of Public Utilities (Wyandotte County)	Upgrade UG and BPU’s Radio System.
Kansas School for the Deaf and Blind (Wyandotte County)	Design and construct ADA safe rooms in all school buildings.
Kansas School for the Deaf and Blind (Wyandotte County)	Purchase and install mass notification system for deaf (visual notice) and for blind (audio) individuals to provide warnings for intruders, hazards, natural disasters, bomb and civil disorder events.



**Table 6.7: Wyandotte County and Participating Jurisdictions
Completed Hazard Mitigation Actions**

Jurisdiction	Action Description
Wyandotte County	Develop a Wyandotte County Sheriff’s Department Adult/Juvenile Detention Center Evacuation Plan and conduct periodic tabletop exercises.
Wyandotte County	Establish locations for emergency morgues and develop a detailed, coordinated plan for the use of these facilities / locations with proper MOUs / MOAs as required.
Wyandotte County	Develop a plan for using school buses and public transportation to move people to shelters following an incident / disaster.
Wyandotte County	Develop/Update Debris Management Plan to include Memorandums Of Understanding (MOU’s) for debris removal between Wyandotte County and outside / local agencies with equipment available for this, establish collection areas and free mulch program.
Wyandotte County	Develop adequate communications systems among and between disaster response agencies and the EOC.
Wyandotte County	Develop a plan for evacuating special needs populations during disasters.
Wyandotte County	Upgrade Local Government 800 Radio System to include placement of radios in all Unified School District Offices plus District Archdiocese Office and others as identified—possibly American Red Cross and Salvation Army Offices.
Wyandotte County	Provide adequate & timely warning system(s) for Scouts, Scouters and campers at Boy Scout Camp Theodore Naish, BSA.

While the Kansas Region L hazard mitigation program has matured over the years, and many actions have been completed, an unfortunate lack of funding and grant opportunities has prevented the completion many major hazard mitigation projects.

6.6 – Review and Addition of Mitigation Actions

For this plan update, members of the MPC and participating jurisdictions were asked to complete a thorough review of all not completed mitigation actions. Additionally, MPC members and participating jurisdictions were provided with the opportunity to identify and incorporate newly identified actions based on:

- Hazard events that have occurred since the last plan revision
- Updated risk assessments
- Identified goals and objectives
- Changing local capabilities
- New vulnerabilities.

In identifying new, or reviewing existing mitigation actions, the following general categories were considered:

Local Plans and Regulations: Actions that influence the way land and buildings are developed or constructed. Actions may include:



- Revision or institution planning and zoning ordinances
- Revision or institution of building codes
- Open space preservation
- Revision or institution floodplain regulations
- Revision or institution stormwater management regulations
- Drainage system maintenance
- Requirements for riverine setbacks

Structure and Infrastructure Projects: Actions that involve the modification of existing structures to protect, or remove from, a hazard or hazard area., such as:

- Acquisition of hazard prone properties
- Relocation of hazard prone properties
- Revision or institution of building elevation requirements
- Critical facilities protection
- Installation or retrofitting of community safe rooms
- Requiring insurance
- Installation or update of warning systems

Natural Systems Protection: Actions that minimize hazard losses to natural systems, such as:
Actions may include:

- Mandatory floodplain area protection
- Revision or institution of comprehensive watershed management programs
- Requirements for riparian buffers
- Requirements for forest and shrub management
- Revision or institution of erosion and sediment control
- Wetland preservation and restoration
- Slope stabilization programs

Education and Awareness Programs: Actions to inform and educate about potential hazards and actions to mitigate against them. Actions may include:

- Educational outreach programs
- Speaker and/ or demonstration events
- Notifying citizens on where to get information
- School educational and event programs

Each action was reviewed using the following metrics, asking if it was:

- **Specific** – The action addresses a hazard or need
- **Measurable** – Achievement or progress can be measured
- **Attainable** – Accepted by those responsible for achieving it



- **Relevant** – Substantively addresses the problem
- **Time-bound** – Time period for achievement is clearly stated

Additionally, the MPC and each jurisdiction was instructed to provide a brief summary regarding the status of each of these actions using the following:

- **Not Started:** Action will provide reason(s) for lack of progress, which may include lack of Funding, differing priorities, changes in political climate, lack of technical skills, etc.
- **In progress:** Action will provide a summary, and if applicable, a of percentage work completed to date.
- **Deleted:** Actions deemed no longer viable were marked for deletion from the plan. These actions are detailed in the next section.

6.7 – Prioritization of Mitigation Actions

44 CFR 201.6 (c)(3)(iii) An action plan describing how the actions identified in paragraph (c)(3)(ii) of this section will be prioritized, implemented, and administered by the local jurisdiction. Prioritization shall include a special emphasis on the extent to which benefits are maximized according to a cost benefit review of the proposed projects and their associated costs.

All participating jurisdictions worked together to review and prioritize both previously identified and newly created hazard mitigation actions, with a self-analysis method used for prioritization. This methodology takes all considerations into account to ensure that, based on capabilities, funding, public wishes, political climate, and legal framework and context, reasonable actions are determined. Major determining factors included the potential effects on the overall risk to life and property, ease of implementation, community and agency support, consistency with mitigation goals, and the availability of Funding.

Of major concern was the potential cost of each action. In general, identified actions were proposed to reduce future damages. As such, it is critical that selected and implemented actions provide a greater saving over the life of the action than the initial cost. For structural and property protection actions cost effectiveness is primarily assessed on:

- Likelihood of damages occurring
- Severity of the damages
- Potential effectiveness

For all other type of actions, including legislative actions, codes and ordinances, maintenance and education, cost effectiveness is primarily assessed on likely future benefits as these actions may not easily result in a quantifiable reduction in damage.

Based on this review, both previously identified and new action items were prioritized as per the following:



High priority:

- Actions that should be implemented as soon as possible
- Actions deemed most critical to achieve the identified mitigation goals

Medium priority:

- Actions that should be implemented in the long-term
- Actions deemed important to meet identified mitigation goals

Low priority

- Actions that should be implemented if Funding becomes available
- Actions that have lowest impact toward achieving mitigation goals

6.8 – Jurisdictional Mitigation Actions

44 CFR 201.6 (c)(3)(ii): A section that identifies and analyzes a comprehensive range of specific mitigation actions and projects being considered to reduce the effects of each hazard, with particular emphasis on new and existing buildings and infrastructure.

44 CFR 201.6 (c)(3)(iv): For multi-jurisdictional plans, there must be identifiable action items specific to the jurisdiction requesting FEMA approval or credit of the plan.

The following tables identify mitigation action items for each participating jurisdiction, along with the following information:

- Hazard addressed
- Responsible party
- Overall priority
- Goal(s) addressed
- Estimated cost
- Potential Funding source
- Proposed completion timeframe
- Current status
- New actions that have been added to this plan update are identified as such.
- Actions that are in support of NFIP compliance are identified with a bold type **NFIP**



6.8.1 –Johnson County Mitigation Actions

Table 6.8: Johnson County Mitigation Actions

Action Identification	Description	Overall Priority	Goal(s) Addressed	Hazard Addressed	Status	Responsible Entity	Estimated cost, Funding Source, and Completion Date
Johnson County - 1	Active building code enforcement to align with the national level.	H	1,2	All Hazards	In Progress	Johnson County Planning Building Official	Cost: Staff Time Funding: County Funding, and federal as identified Completion Date: Open Ended
Johnson County - 2	NFIP - Continued regulatory compliance and floodplain management.	H	1,2	Flood	In Progress	Johnson County Public Works, Flood Plain Manager	Cost: Staff Time Funding: State and Federal Sources Completion Date: Open Ended
Johnson County - 3	NFIP - Acquisition/Demolition of flood prone properties. Identify habitable buildings in the floodplain and/or are subject to flooding, prioritize locations, and purchase buildings as Funding becomes available.	H	1	Flood	Not Started, Lack of Funding	Johnson County Public Works, Acting Director	Cost: Cost varies and is dependent on the fair market value. Funding: Stormwater Management Program, State and Federal agencies Completion Date:
Johnson County - 4	Design and construct safe rooms in all future buildings built by the County.	H	1	Hail, Tornado, Windstorm	Not Started, Lack of Funding	Johnson County Facilities, Director	Cost: Project and Size Dependent Funding: County Funding, Federal as identified Completion Date: Open ended
Johnson County - 5	NFIP - Improve flood hazard areas using conveyance system structural improvement.	H	1	Flood	Not Started, Lack of Funding	Johnson County Public Works, Acting Director	Cost: Project and Size Dependent Funding: Stormwater Management Program, state and federal agencies Completion Date: Open Ended



Table 6.8: Johnson County Mitigation Actions

Action Identification	Description	Overall Priority	Goal(s) Addressed	Hazard Addressed	Status	Responsible Entity	Estimated cost, Funding Source, and Completion Date
Johnson County - 6	NFIP – Complete low-water crossing elimination projects based on risk and traffic count.	M	1	Flood	Not Started, Lack of Funding	Johnson County Public Works, Acting Director	Cost: Project and Size Dependent Funding: Stormwater Management Program, State and federal agencies Completion Date: Open Ended
Johnson County - 7	NFIP – Purchase, install and implement a flood warning system.	M	4	Flood	Not Started, Lack of Funding	Johnson County Public Works and Johnson County Emergency Management, Asst. Director of Operations	Cost: Project and Size Dependent Funding: Stormwater Management Program, state and federal agencies Completion Date: Open Ended
Johnson County - 8	Purchase and install additional outdoor warning sirens with a computer based digital monitoring system so that defects or maintenance issues will be reported immediately as they occur.	M	4	Tornado, Windstorm	Not Started, Lack of Funding	Johnson County Emergency Management, Asst Director of Operations	Cost: Project and Size Dependent Funding: Annual Budget and HMGP grants. Completion Date: Open Ended



6.8.2 –DeSoto Mitigation Actions (Johnson County)

Table 6.9: DeSoto Mitigation Actions

Action Identification	Description	Overall Priority	Goal(s) Addressed	Hazard Addressed	Status	Responsible Entity	Estimated cost, Funding Source, and Completion Date
DeSoto -1	Continued operation and management of jurisdictional NFIP activities.	H	1,2	Flood	In Progress	Floodplain Manager	Cost: Staff Time Funding: Local Completion Date: On-going
DeSoto - 2	NFIP - Design and construct flood control projects in all flood prone areas.	H	1,2	Flood, Soil Erosion & Dust	Not Started, Lack of Funding	De Soto Engineering Division	Cost: Project and Size Dependent Funding: City and County General Funds, HMGP Grants and Special Benefit Districts Completion Date: Four years
DeSoto - 3	Purchase and install back-up generators for the City Hall/EOC.	H	2	Lightning, Tornado, Utility /Infrastructure Failure, Winter Storm	Lack of Funding	City of De Soto	Cost: \$55,000, Funding: city funds, Grants, Bonds, and CIP Completion Date: Three years
DeSoto - 4	Install additional outdoor warning sirens with a computer based digital monitoring system.	H	1,2	Tornado	New	City of De Soto	Cost: \$25,000 each Funding: City funds, Grants Completion Date: On-going
DeSoto - 5	Provide for current building code enforcement	H	1,2	All Hazards	New	City of De Soto	Cost: Staff Time Funding: City budget Completion Date: On-going
DeSoto - 6	Provide emergency storm shelter in City Hall	H	1,2	All Hazards	New	City of De Soto	Cost: \$500,000 Funding: City budget, grants Completion Date: Two years



6.8.3 – Edgerton Mitigation Actions (Johnson County)

Table 6.10: Edgerton Mitigation Actions

Action Identification	Description	Overall Priority	Goal(s) Addressed	Hazard Addressed	Status	Responsible Entity	Estimated cost, Funding Source, and Completion Date
Edgerton - 1	Operation and management of jurisdictional NFIP activities.	H	1,2	Flood	In Progress	City of Edgerton	Cost: Staff Time Funding: City funds Completion Date: Continuous
Edgerton - 2	Design, purchase and install an Edgerton storm shelter.	M	1	Tornado	Not Started, Lack of Funding	City of Edgerton	Cost: Project and Size Dependent, \$1,000,000 Funding: HMGP Completion Date: 2021
Edgerton - 3	Purchase portable electric generators	M	1,2	All Hazards	Not Started, Lack of Funding	City of Edgerton	Cost: \$14,400 - \$157,000 Funding: Potential grant Completion Date: 2020
Edgerton - 4	Purchase and install Edgerton storm siren system expansion	M	4	Windstorm, Tornado	Not Started, Lack of Funding	City of Edgerton	Cost: \$21,000 Funding: Capital reserve funds with matching grant Completion Date: 2020
Edgerton - 5	Conduct 207 th Street grade separation project	H	1,2	All Hazards	Not Started, Lack of Funding	City of Edgerton, Johnson county	Cost: \$15,000,000 Funding: Federal and State Highway Programs, Federal and State Rail Crossing Programs Completion Date: 2022
Edgerton - 6	NFIP - Construct and complete Edgerton Marias des Cygnes Watershed storm water infrastructure: replace culverts on both 1st and 2 nd Street, raise 2nd Street by 1.2 feet for 200 feet, and improve 1,700 feet of flood channel.	L	1,2	Flood	Not Started, Lack of Funding	City of Edgerton	Cost: \$679,200. Funding: Johnson County SMAC, FEMA programs, and the City’s capital reserve fund Completion Date: 2022
Edgerton - 7	Dam infrastructure repair and upgrade at Edgerton and South Lakes, including a floodgate in the Big Bull Creek.	L	1,2	Dam and Levee Failure, Flood	Not Started, Lack of Funding	City of Edgerton	Cost: Project and Size Dependent, \$20,000,000 Funding: City’s Capital reserve funds with match Completion Date: 2022



6.8.4 –Fairway Mitigation Actions (Johnson County)

Table 6.11: Fairway Mitigation Actions

Action Identification	Description	Overall Priority	Goal(s) Addressed	Hazard Addressed	Status	Responsible Entity	Estimated cost, Funding Source, and Completion Date
Fairway - 1	Deliver public education to city businesses, homeowners, and residents to be pro-active vs reactive in surviving and recovering from disasters.	H	3	All Hazards	Not Started, Staffing and Funding Limitations	Police Department Chief	Cost: \$20,000 Funding: FEMA/State Mitigation grants. City Fairway would provide matching cost share Completion Date: 2020
Fairway - 2	Operation and management of jurisdictional NFIP activities.	H	1,2	Flood	In Progress	Codes Department, City of Fairway Building Inspector/Codes Officer	Cost: Staff Time Funding: City funds Completion Date: Continuous
Fairway - 3	NFIP - Design and complete flood control projects and storm sewer upgrades, including open channels and flood plain modifications, or through a combination of below-ground storm sewers and above ground swales.	H	1,2	Flood	Not Started, Lack of Funding	Fairway 3 Public Works Director	Cost: Project and Size Dependent, \$1,000,000+ Funding: FEMA mitigation and repetitive loss grants. JOCO Storm Water Management Program. CARS, Federal, State, City Funding from Stormwater Utility Fund. Private contributions Completion Date: On-going
Fairway - 4	Purchase trailer-mounted, portable generator for police station.	M	2	All Hazards	Not Started, Lack of Funding	Police Department Chief	Cost: \$40,000 Funding: Disaster Contingency Funds with a matching cost share Completion Date: 2022



6.8.5 – Gardner Mitigation Actions (Johnson County)

Table 6.12: Gardner Mitigation Actions

Action Identification	Description	Overall Priority	Goal(s) Addressed	Hazard Addressed	Status	Responsible Entity	Estimated cost, Funding Source, and Completion Date
Gardner - 1	NFIP - Complete a storm watershed master plan study which identifies stream buffer policies, detention requirements, grading plan requirements, and minimum development standards for stormwater.	H	1,3,4	Flood	Not Started, Lack of Funding	Public Works, Engineering Division	Cost: \$400,000+ Funding: SMAC, General Fund, Stormwater Utility fund and property owner contributions Completion Date: 2022
Gardner - 2	NFIP - Design and complete the Doublegate Culvert Replacement flood control project.	H	2	Flood	Not Started, Lack of Funding	Public Works, Engineering Division	Cost: \$1,200,000 Funding: FEMA mitigation repetitive loss grants, SMAC and City funds from the Stormwater Utility fund Completion Date: 2022
Gardner - 3	Purchase both mobile and fixed generators for city facilities.	M	2	Lightning, tornado, Utility/Infrastructure Failure, Winter Storm, windstorm	Not Started, Lack of Funding	Gardner Public Safety	Cost: \$50,000 per generator w/installation Funding: State and Federal agencies Completion Date: 2022
Gardner - 4	Continued operation and management of jurisdictional NFIP activities.	M	1,2	Flood	In Progress	Public Works, Engineering Division	Cost: Staff Time Funding: Local Completion Date: Continuous
Gardner - 5	Tornado Sirens to service a growth in the Garner population. Also, upgrades are needed to replace aged sirens	M	4	All Hazards	Not Started, Lack of Funding	Gardner Public Safety	Cost: \$22,000 per siren Funding: State and Federal agencies Completion Date: 2022



6.8.6 – Lake Quivira Mitigation Actions (Johnson County)

Table 6.13: Lake Quivira Mitigation Actions

Action Identification	Description	Overall Priority	Goal(s) Addressed	Hazard Addressed	Status	Responsible Entity	Estimated cost, Funding Source, and Completion Date
Lake Quivira - 1	Purchase and install an emergency evacuation exit for gated residential community that houses over 400 homes.	H	1	Hazardous Materials	Not Started, Lack of Funding	Emergency Preparedness, Fire Chief	Cost: \$60,000 for initial construction, \$100,000 with road base update Funding: City of Lake Quivira Inc., FEMA Completion Date: 2022
Lake Quivira - 2	Purchase an emergency power back-up generator for City Hall facility that houses the Fire, Police, and administration departments.	H	2	All Hazards	Not Started, Lack of Funding	City of Lake Quivira Police Department	Cost: \$25,000 Funding: City of Lake Quivira and FEMA Completion Date: 2022



6.8.7 – Leawood Mitigation Actions (Johnson County)

Table 6.14: Leawood Mitigation Actions

Action Identification	Description	Overall Priority	Goal(s) Addressed	Hazard Addressed	Status	Responsible Entity	Estimated cost, Funding Source, and Completion Date
Leawood - 1	Continued operation and management of jurisdictional NFIP activities.	H	1,2	Flood	In Progress	Director of Public Works	Cost: Staff Time Funding: City of Leawood Funding, Completion Date: open ended.
Leawood - 2	NFIP - Conduct a feasibility study on flooding of Indian Creek west of state line road to determine an appropriate course of action which might include a stormwater project to address improvements to the creek, erosion control, and floodproofing of businesses. Complete the recommended project.	H	1,2	Flood, Soil Erosion and Dust	Not Started, Lack of Funding	Director of Public Works	Cost: \$100,000 Funding: Annual Budget Completion Date: Feasibility study completion would be 12 months after Funding, and construction would be 12 – 36 months after Funding.
Leawood - 3	NFIP - Conduct a feasibility study on flooding of Tomahawk and Indian Creeks to determine an appropriate course of action to remedy severe erosion. Complete the recommended project.	H	1,2	Flood, Soil Erosion and Dust	Not Started, Lack of Funding	Director of Public Works	Cost: \$1,000,000 Funding: Annual budget Completion Date: Up to 12 months for feasibility study and 12 – 36 months for construction after Funding received.
Leawood - 4	Purchase and distribute weather radios to enhance the warning of the public and businesses.	H	2	Tornado, Windstorm, Winter Storm, Lightning	Not Started, Lack of Funding	Leawood Fire Chief	Cost: \$315,000 Funding: Annual Budget Completion Date: 2022



6.8.8 – Lenexa Mitigation Actions (Johnson County)

Table 6.15: Lenexa Mitigation Actions

Action Identification	Description	Overall Priority	Goal(s) Addressed	Hazard Addressed	Status	Responsible Entity	Estimated cost, Funding Source, and Completion Date
Lenexa - 1	Continued operation and management of jurisdictional NFIP activities.	H	1,2	Flood	In Progress	City of Lenexa Public Works	Cost: Staff Time Funding: Local Completion Date: Open ended
Lenexa - 2	Construction of Public Safe Rooms. Currently there are none. The large outdoor festivals have no shelter areas.	H	1	Tornado	Not Started, Lack of Funding	City of Lenexa Public Works	Cost: \$2,000,000 Funding: City Funding, Federal as identified Completion Date: 2022
Lenexa - 3	Purchase back-up generators for critical facilities, Fire Station #2 has no emergency power generator	H	2	Lightning, tornado, Utility/ Infrastructure Failure, Winter Storm, Windstorm	Not Started, Lack of Funding	City of Lenexa Fire Department	Cost: \$60,000 Funding: City of Lenexa, State and Federal Funds Completion Date: 2022
Lenexa- 4	NFIP – Acquire and demolish structures located in floodplains.	H	1,3,4	Flood	New	Public Works, Engineering Division	Cost: \$400,000+ Funding: General Fund, Stormwater Utility fund and property owner contributions Completion Date: 2022



6.8.9 – Merriam Mitigation Actions (Johnson County)

Table 6.16: Merriam Mitigation Actions

Action Identification	Description	Overall Priority	Goal(s) Addressed	Hazard Addressed	Status	Responsible Entity	Estimated cost, Funding Source, and Completion Date
Merriam - 1	Continued operation and management of jurisdictional NFIP activities	H	1,2	Flood	In Progress	City Engineer/Floodplain Manager	Cost: Staff Time Funding: City Funds Completions Date: is open ended
Merriam - 2	NFIP - Complete a storm watershed master plan study which identifies stream buffer policies, detention requirements, grading plan requirements, and minimum development standards for stormwater.	H	1,3,4	Flood	New	Public Works, Engineering Division	Cost: \$400,000+ Funding: General Fund, Stormwater Utility fund and property owner contributions Completion Date: 2020
Merriam - 3	NFIP - Acquisition and demolition of properties in floodplains.	H	1,2	Flood	New	City Engineer/Floodplain Manager	Cost: NA Funding: City Funds Completions Date: Open Ended



6.8.10 – Mission Mitigation Actions (Johnson County)

Table 6.17: Mission Mitigation Actions

Action Identification	Description	Overall Priority	Goal(s) Addressed	Hazard Addressed	Status	Responsible Entity	Estimated cost, Funding Source, and Completion Date
Mission 1	Continued operation and management of jurisdictional NFIP activities	H	1,2	Flood	In Progress	City of Mission	Cost: Staff Time Funding: City funds Completion Date: open ended
Mission 2	NFIP - Floodplain management compliance continuation to include regulating new construction in the Special Flood Hazard area.	H	1,2	Flood	In Progress	Floodplain Manager	Cost: Staff Time Funding: City Funds Completion Date: open ended
Mission 3	Design and construct Sylvester Powell Jr. Community Center disaster preparedness project.	M	1	All Hazards	Not Started, Lack of Funding	Emergency Preparedness	Cost: \$1,000,000 Funding: City, county and FEMA Funding Completion Date: 2022
Mission 4	Purchase additional generator for Public Works Facility.	L	2	All Hazards	Not Started, Lack of Funding	Emergency Preparedness	Cost: \$30,000 Funding: Mission General Fund/Federal Funds Completion Date: 2022



6.8.11– Mission Hills Mitigation Actions (Johnson County)

Table 6.18: Mission Hills Mitigation Actions

Action Identification	Description	Overall Priority	Goal(s) Addressed	Hazard Addressed	Status	Responsible Entity	Estimated cost, Funding Source, and Completion Date
Mission Hills - 1	Continued operation and management of jurisdictional NFIP activities.	H	1,2	Flood	In Progress	City Administrator	Cost: Staff Time Funding: City funds Completion Date: Ongoing
Mission Hills - 2	NFIP - Acquiring repetitive loss structures.	H	1,2	Flood	Not Started, Lack of Funding	City Administrator	Cost: \$3,000,000 Funding: City Funds Completion Date: As opportunities arise
Mission Hills - 3	NFIP - Conduct education campaign for residents about the floodplain and NFIP	H	1,2	Flood	Not Started, Lack of Funding	City Administrator	Cost: \$10,000 Funding: City Funds Completion Date: continuous
Mission Hills - 4	Serve as a resource for residents with questions about the floodplain and NFIP .	H	1,2	Flood	In Progress	City Administrator	Cost: Staff Time Funding: City Funds Completion Date: continuous
Mission Hills - 5	NFIP - Hire a firm to forecast flood events and then use the City’s Code Red (reverse 911) to notify those that would likely be affected so they can take precautions /evacuate the area.	M	4	Flood	Not Started, Lack of Funding	City Administrator	Cost: \$1,400,000 Funding: City Funds, Johnson County Completion Date: 5 years
Mission Hills - 6	NFIP - Install automatic bollards that come out of the roadway to block traffic when the creek sensors indicate that the roadway will be overtopped with water.	M	4	Flood	Not Started, Lack of Funding	City Administrator	Cost: \$1,400,000 Funding: City Funds, Johnson County Completion Date: 2025
Mission Hills - 7	NFIP - Realign Brush Creek in Hiawassee park.	M	1,2	Flood	Not Started, Lack of Funding	City Administrator	Cost: \$138,600 Funding: City Funds Completion Date: 2022
Mission Hills - 8	Purchase additional generators for Public Works Facility	L	2	All Hazards	Not Started, Lack of Funding	Emergency Preparedness	Cost: \$50,000 Funding: General Fund/Federal Funds Completion Date: 2020



6.8.12 – Mission Woods Mitigation Actions (Johnson County)

Table 6.19: Mission Woods Mitigation Actions

Action Identification	Description	Overall Priority	Goal(s) Addressed	Hazard Addressed	Status	Responsible Entity	Estimated cost, Funding Source, and Completion Date
Mission Woods - 1	Continued operation and management of jurisdictional NFIP activities.	H	1,2	Flood	In Progress	City of Mission Woods	Cost: Staff Time Funding: NA Completion Date: On-going.
Mission Woods - 2	NFIP - Obtain entry into CRS program	H	1,2	Flood	In Progress	City Administrator	Cost: Staff Time Funding: City Funds Completion Date: Continuous
Mission Woods - 3	Conduct education campaign for residents about the floodplain and NFIP	H	1,2	Flood	Not Started, Lack of Funding	City Administrator	Cost: \$10,000 Funding: City Funds Completion Date: Continuous
Mission Woods - 4	NFIP - Research flooding issues for the City of Mission Woods, mapping opportunities, and code enforcement for construction within the floodplain.	H	1,2	Flood	Not Started, Staffing Limitations	Floodplain Manager	Cost: Staff Time Funding: Local Completion Date: 2022



6.8.13 – Olathe Mitigation Actions (Johnson County)

Table 6.20: Olathe Mitigation Actions

Action Identification	Description	Overall Priority	Goal(s) Addressed	Hazard Addressed	Status	Responsible Entity	Estimated cost, Funding Source, and Completion Date
Olathe - 1	NFIP - Design and construct the Cedar Creek Wastewater Treatment Plan flood wall modifications.	H	2	Flood	Not Started, Lack of Funding	Wastewater Superintendent	Cost: \$1,000,000 Funding: Revenue bonds, grants Completion Date: 2022
Olathe - 2	NFIP - Purchase and demolish targeted, single family structures identified in the updated flood plain maps.	H	1	Flood	Not Started, Lack of Funding	Stormwater Director	Cost: \$750,000 total for 5 structures Funding: Stormwater Management Advisory Council, (SMAC) Funding. Completion Date: 2022
Olathe - 3	Design and construct safe rooms in future public buildings.	M	1	Tornado, windstorm	Not Started, Lack of Funding	Chief Building Official, Olathe, KS	Cost: \$1,000,000 each Funding: Municipal Finances, Bonds and potential grant sources Completion Date: On-going
Olathe - 4	Purchase multiple trailer-mounted, portable generators.	M	2	All Hazards	Not Started, Lack of Funding	Olathe Fire Department, Assistant Chief, Special Operations	Cost: \$75,000 each Funding: Cost-share line item from disaster contingency funds Completion Date: 2022
Olathe - 5	Deliver CERT training program.	H	3,4	All Hazards	Not Started, Lack of Funding	Assistant Chief, Special Operations	Cost: \$22,000 Funding: Budget, Citizen Corps, and UASI grant Completion Date: Jan and November of each year.
Olathe - 6	NFIP - Design and complete storm drainage culvert expansion at 147/Brougham Dr.	H	1,2	Flood	Not Started, Lack of Funding	Olathe Storm Water Planning Division Chief	Cost: \$200,000 Funding: Johnson Completion Date: 2022



Table 6.20: Olathe Mitigation Actions

Action Identification	Description	Overall Priority	Goal(s) Addressed	Hazard Addressed	Status	Responsible Entity	Estimated cost, Funding Source, and Completion Date
Olathe - 7	Deliver All-Hazard Citizen Education training and purchase accompanying Workbook.	H	3	All Hazards	Not Started, Lack of Funding	Olathe Fire Department, Assistant Chief of Special Ops	Cost: \$21,140 for 10,000 workbooks Funding: Emergency Management Divisions printing line item, Administration division's budget. Completion Date: On-going
Olathe - 8	Purchase and install sirens for the expansion of Olathe Outdoor Warning System.	H	4	Tornado, Windstorm	Not Started, Lack of Funding	Olathe fire Department/Emergency Management Division – Chief Dock	Cost: \$138,000 for six sirens Funding: Grant, budget, developer contribution Completion Date: 2022
Olathe - 9	Purchase and upgrade computers for the Olathe EOC & DOC.	H	4	All Hazards	Not Started, Lack of Funding	City of Olathe I.T. Department director	Cost: \$7,000 Funding: Kansas State Mitigation Grant, City of Olathe Line Item Budget Completion Date: As soon as possible
Olathe - 10	Complete the Water Plant 2 chlorine gas retrofit to sodium hypochlorite.	H	2	Hazardous Materials	Not Started, Lack of Funding	Environmental Services Manager	Cost: \$250,000 Funding: Bonds, Grants Completion Date: 2022
Olathe - 11	Design and construct free-standing safe rooms at Santa Barbara Mobile Home Estates.	H	1	Tornado, Windstorm	Not Started, Lack of Funding	Assistant Chief, OFD	Cost: \$800,000. Funding: KS State Mitigation Grand Funds Only Completion Date: 2020
Olathe - 12	Continued operation and management of jurisdictional NFIP activities.	H	1,2	Flood	In Progress	City of Olathe, Floodplain Manager	Cost: Staff Time Funding: Local Completion Date: Open Ended



6.8.14 – Overland Park Mitigation Actions (Johnson County)

Table 6.21: Overland Park Mitigation Actions

Action Identification	Description	Overall Priority	Goal(s) Addressed	Hazard Addressed	Status	Responsible Entity	Estimated cost, Funding Source, and Completion Date
Overland Park - 1	Purchase mobile and fixed generators for use at all city facilities.	H	2	Tornadoes, Wind Storms, Winter Storms	Not Started, Lack of Funding	Manager; Facilities Management and Code Administrator; Building Safety Division	Cost: \$250,000 Funding: Grants, Local Completion Date: 6 months after Funding received.
Overland Park - 2	Purchase emergency generators for the Tomahawk Ridge Community Center.	H	2	Tornadoes, Wind Storms, Winter Storms	Not Started, Lack of Funding	Director Recreation Services Department and Manager, Facilities Management	Cost: \$350,000 Funding: Grants, local Completion Date: 6 months after authorization of funds.
Overland Park - 3	Design and construct Fire Station Number 3 safe room to protect up to 50 people.	H	2	Tornado, Wind Storm	Not Started, Lack of Funding	Fire Chief, Fire Department	Cost: \$150,000 Funding: Grants, local Completion Date: 2020
Overland Park - 4	Purchase emergency generator for Fire Station Number 5. The generator would have a fuel reservoir capable of 48-72 hours of operating time.	H	2	Lightning, Tornado, Utility/ Infrastructure Failure, Winter Storm, Windstorm	Not Started, Lack of Funding	Fire Chief, fire Department	Cost: \$75,000 Funding: Grants, Local Completion Date: 2020
Overland Park - 5	Continued operation and management of jurisdictional NFIP activities.	M	1,2	Flood	In Progress	Code Administrator, and Flood plain Administrator	Cost: Staff Time Funding: Local Completion Date: Open ended
Overland Park - 6	Retrofit four of the five fire stations in Overland Park with wind resistant/energy efficient doors. All large surface area windows would be fitted with storm panels or shutters.	M	2	Tornado, Windstorm	Not Started, Lack of Funding	Fire Chief, Overland park Fire Department	Cost: \$400,000 Funding: Grants, local Completion Date: 2022
Overland Park - 7	Design and construct safe rooms for all critical city facilities.	M	2	Tornado, Windstorm	Not Started, Lack of Funding	Public Works Department City Engineer, and Manager, Facilities Management, and Code Administrator, Building Safety Division	Cost: \$5,000,000 Funding: Local Completions Date: 5 years



Table 6.21: Overland Park Mitigation Actions

Action Identification	Description	Overall Priority	Goal(s) Addressed	Hazard Addressed	Status	Responsible Entity	Estimated cost, Funding Source, and Completion Date
Overland Park - 8	Purchase electronic plan review and recording software and conduct building code enforcement	M	4	All Hazards	Not Started, Lack of Funding	Code Administrator, Building Safety Division	Cost: \$400,000 Funding: Local Completion Date: One year after Funding authorized.
Overland Park - 9	Deliver public education of city businesses, home owners and residents and all city staff in OP for disaster preparedness, mitigation and recovery.	M	4	All Hazards	Not Started, Lack of Funding	City Emergency Management Coordinator	Cost: \$100,000 Funding: Local Completion Date: Approximately one year after Funding is authorized.
Overland Park - 10	NFIP - Complete flood control projects and storm sewer upgrades throughout the city. Projects are prioritized based on engineering and economic feasibility; severity of flooding; availability of city funds to pursue the project; and degree of interest in the project by property owners as manifested by the donation to the city of easements necessary to construct the project.	M	1,2	Flood	Not Started, Lack of Funding	Director, Public Works, Floodplain Manager, Engineering Division	Cost: Project Dependent Funding: Stormwater Utility Fund, JOCO Stormwater Management Program, FEMA mitigation and repetitive loss grants. Property owner contributions are often required via benefit districts. Completion Date: 2 – 4 years from initial identification.
Overland Park - 11	NFIP - Acquisition and demolition of structures with repetitive flood losses.	M	1,2	Flood	Not Started, Lack of Funding	Director, Public Works and Floodplain Manager, Engineering Division	Cost: Varies depending on home Funding: Varies with economy Completion Date: 6 months – 2 years from date of approval.
Overland Park - 12	Design and construction of regional storm water detention facilities to control and/or reduce runoff generated by redevelopment of the downstream area.	M	1,2	Flood	Not Started, Lack of Funding	Director, Public Works Department and Manager, Engineering Services	Cost: Project Dependent Funding: Grants, local Completion Date: 2022



6.8.15 – Prairie Village Mitigation Actions (Johnson County)

Table 6.22: Prairie Village Mitigation Actions

Action Identification	Description	Overall Priority	Goal(s) Addressed	Hazard Addressed	Status	Responsible Entity	Estimated cost, Funding Source, and Completion Date
Prairie Village - 1	Bury underground utility cables	M	1,2	Lightning, Tornado, Utility /Infrastructure Failure, Winter Storm, Windstorm	Not Started, Lack of Funding	Director of Public Works	Cost: \$50,000,000 Funding: NA Completion Date: never ending.
Prairie Village - 2	Continued operation and management of jurisdictional NFIP activities.	H	1,2	Flood	In Progress	Assistant City Administrator	Cost: Staff Time Funding: Local Completion Date: Continuous
Prairie Village - 3	NFIP - Acquisition and demolition of structures with repetitive flood losses.	M	1,2	Flood	Not Started, Lack of Funding	Director, Public Works and Floodplain Manager, Engineering Division	Cost: Varies depending on home Funding: Varies with economy Completion Date: 6 months – 2 years from date of approval.



6.8.16 – Roeland Park Mitigation Actions (Johnson County)

Table 6.23: Roeland Park Mitigation Actions

Action Identification	Description	Overall Priority	Goal(s) Addressed	Hazard Addressed	Status	Responsible Entity	Estimated cost, Funding Source, and Completion Date
Prairie Village - 1	Construct community tornado shelters	H	1,2	Tornado, Windstorm	Not Started, Lack of Funding	Director of Public Works	Cost: \$50,000,000 Funding: NA Completion Date: never ending.
Prairie Village - 2	Continued operation and management of jurisdictional NFIP activities.	H	1,2	Flood	In Progress	Assistant City Administrator	Cost: Staff Time Funding: Local Completion Date: Continuous
Prairie Village - 3	NFIP - Acquisition and demolition of structures with repetitive flood losses.	M	1,2	Flood	Not Started, Lack of Funding	Director, Public Works and Floodplain Manager, Engineering Division	Cost: Varies depending on home Funding: Varies with economy Completion Date: 6 months – 2 years from date of approval.



6.8.17 – Shawnee Mitigation Actions (Johnson County)

Table 6.24: Shawnee Mitigation Actions

Action Identification	Description	Overall Priority	Goal(s) Addressed	Hazard Addressed	Status	Responsible Entity	Estimated cost, Funding Source, and Completion Date
Shawnee - 1	Establish a full time Emergency Management Office.	H	1,2	All Hazards	Not Started, Lack of Funding	City Manager	Cost: \$100,000 per year Funds: General Fund Completion Date: Awaiting approval of City Council
Shawnee - 2	Deliver CERT training program.	M	3	All Hazards	Not Started, Lack of Funding	Acting Emergency Manager	Cost: \$1,000 start-up Funds: State & Federal Grants, Donations Completion Date: Fall 2020
Shawnee - 3	Design and construct safe rooms in all future buildings built by the City.	H	1	Tornado, Windstorm	Not Started, Lack of Funding	Public Works Director	Cost: \$1,000,000 per room Funds: County, Federal Completion Date: Continuous
Shawnee - 4	Deliver public education for city/community in Disaster Preparedness.	M	3	All Hazards	Not Started, Lack of Funding	Acting Emergency Manager	Cost: \$5,000 - \$10,000 Funds: General Fund Completion Date: Continuous
Shawnee - 5	Design and construct free standing storm shelter or underground shelter behind the Justice Center (or in basement).	H	1,2	Tornado, Windstorm	Not Started, Lack of Funding	Acting Emergency Manager	Cost: \$100,000 to \$400,000 Funds: Grants Completion Date: 2025
Shawnee - 6	NFIP - Improve flood hazard areas through the use of conveyance system structural improvement.	H	1	Flood	Not Started, Lack of Funding	Public Works Director	Cost: Project Dependent Funds: Stormwater Management Program, State, Federal Completion Date: On-going
Shawnee - 7	Continued operation and management of jurisdictional NFIP activities.	H	1,2	Flood	In Progress	Public Works Director	Cost: Staff Time Funds: Local Completion Date: Continuous



Table 6.24: Shawnee Mitigation Actions

Action Identification	Description	Overall Priority	Goal(s) Addressed	Hazard Addressed	Status	Responsible Entity	Estimated cost, Funding Source, and Completion Date
Shawnee - 8	Conduct active building code enforcement.	H	1,2	All Hazards	In Progress	Public Works Director	Cost: Staff Time Funds: Local Completion Date: Continuous
Shawnee - 9	NFIP - Acquisition and demolition of flood prone properties.	H	1	Flood	Not Started, Lack of Funding	Public Works Director	Cost: Varies Funds: Stormwater Management Program, State, Federal Completion Date: Continuous
Shawnee - 10	NFIP - Purchase and implement flood warning system to warn residents and the traveling public about potential/actual flooding.	M	4	Flood	Not Started, Lack of Funding	Public Works Director	Cost: \$500,000 Funds: State, Federal Completion Date: On-going
Shawnee - 11	Purchase trailer mounted generators for use throughout the city.	H	1,2	All Hazards	Not Started, Lack of Funding	Acting Emergency Manager	Cost: \$30,000 to \$50,000 Funds: No funds Available Completion Date: On-going
Shawnee - 12	Design and retrofit flood proof building in identified floodplains. Identify habitable buildings in the floodplain and/or are subject to flooding, prioritize locations, install/complete flood proofing techniques for buildings as Funding becomes available if buyout is not an option.	L	1,2	Flood	Not Started, Lack of Funding	Public Works Director	Cost: Project Dependent, \$1,000,000+ Funds: State, Federal Completion Date: Continuous
Shawnee - 13	NFIP - Update the BSEGS to meet the required 5/4 BSEGS rating to improve CRS rating	H	1,2,3	Flood	New	Acting Emergency Manager	Cost: Staff Time Funds: Local Completion Date: April 2020
Shawnee - 14	Conduct system wide stormwater drainage maintenance.	M	1,2	Flood	New	Public Works Director	Cost: Project Dependent, Staff Time Funds: Local, State, Federal Completion Date: 2024



Table 6.24: Shawnee Mitigation Actions

Action Identification	Description	Overall Priority	Goal(s) Addressed	Hazard Addressed	Status	Responsible Entity	Estimated cost, Funding Source, and Completion Date
Shawnee - 15	NFIP- Work with developers and property owners to implement water quality streamway corridors to help improve water quality.	H	1,2,3	Flood	New	Environmental Coordinators	Cost: Staff Time Funds: Local Completion Date: April 2024
Shawnee - 16	Work with the USACE Silver Jackets to incase Turn Around Don't Drown signage throughout the city.	H	1,2,3	Flood	New	Acting Emergency Manager	Cost: Staff Time Funds: Local, State, Federal Completion Date: 2024



6.8.18 – Spring Hill Mitigation Actions (Johnson County)

Table 6.25: Spring Hill Mitigation Actions

Action Identification	Description	Overall Priority	Goal(s) Addressed	Hazard Addressed	Status	Responsible Entity	Estimated cost, Funding Source, and Completion Date
Spring Hill - 1	Design and construct safe rooms in all future city buildings.	H	1	Tornado	Not Started, Lack of Funding	Spring Hill Planning & Development	Cost: \$1,000,000 each Funding: City Funding, Federal as identified Completion Date: Continuous
Spring Hill - 2	Continued operation and management of jurisdictional NFIP activities.	H	1,2	Flood	In Progress	City of Spring Hill	Cost: Staff Time Funding: Local Completion Date: Open Ended
Spring Hill - 3	Conduct public information distribution after a disaster through primary and secondary distribution points.	M	4	All Hazards	In Progress	Spring Hill Planning Department	Cost: Staff Time Funding: Local Completion Date: Implemented as needed
Spring Hill - 4	Purchase portable generators for City Hall.	M	2	All Hazards	Not Started, Lack of Funding	Public Works	Cost: \$100,000 Funding: FEMA, State of Kansas, local capital improvement budgeting Completion Date: 2020
Spring Hill - 5	NFIP - Acquisition and demolition of flood prone properties.	H	1	Flood	New	Public Works Director	Cost: Varies Funds: Stormwater Management Program, State, Federal Completion Date: Continuous



6.8.19 – Westwood Mitigation Actions (Johnson County)

Table 6.26: Westwood Mitigation Actions

Action Identification	Description	Overall Priority	Goal(s) Addressed	Hazard Addressed	Status	Responsible Entity	Estimated cost, Funding Source, and Completion Date
Westwood - 1	Purchase and install back-up generators for critical facilities.	M	2	Lightning, Tornado, Utility/ Infrastructure Failure, Winter Storm, Windstorm	Not Started, Lack of Funding	Police Department/Public Works	Cost: \$75,000 - \$100,000 each Funding: State and federal agencies Completion Date: 1 – 2 years
Westwood - 2	NFIP - Acquisition and demolition of flood prone properties.	H	1	Flood	New	Floodplain Manager	Cost: Varies Funds: Stormwater Management Program, State, Federal Completion Date: Continuous
Westwood - 3	NFIP - Continue to regulate construction in the floodplain and ensure regulatory guidelines are met.	H	1,2	Flood	New	Floodplain Manager	Cost: Staff Time Funding: Local Completion Date: On-going



6.8.20 – Westwood Hills Mitigation Actions (Johnson County)

Table 6.27: Westwood Hills Mitigation Actions

Action Identification	Description	Overall Priority	Goal(s) Addressed	Hazard Addressed	Status	Responsible Entity	Estimated cost, Funding Source, and Completion Date
Westwood Hills - 1	Continued operation and management of jurisdictional NFIP activities.	H	1,2	Flood	In Progress	City of Westwood Hills	Cost: Staff Time Funding: Local Completion Date: Open Ended
Westwood Hills - 2	NFIP - Acquisition and demolition of flood prone properties.	H	1	Flood	New	Floodplain Manager	Cost: Varies Funds: Stormwater Management Program, State, Federal Completion Date: Continuous
Westwood Hills - 3	Purchase and install back-up generators for critical facilities.	M	2	Lightning, Tornado, Utility/ Infrastructure Failure, Winter Storm, Windstorm	Not Started, Lack of Funding	Police Department/Public Works	Cost: \$75,000 - \$100,000 each Funding: State and federal agencies Completion Date: 1 – 2 years



6.8.21 – USD #229 Mitigation Actions (Johnson County)

Table 6.28: USD#229 Mitigation Actions

Action Identification	Description	Overall Priority	Goal(s) Addressed	Hazard Addressed	Status	Responsible Entity	Estimated cost, Funding Source, and Completion Date
USD #229 - 1	Design and construct safe rooms in all school district buildings.	M	1,2	Tornado, Windstorm	Not Started, Lack of Funding	Director of Blue Valley Safety & Security	Cost: \$1,000,000 each Funding: HMGP Completion Date: Ongoing as Funding becomes available



6.8.22 – USD #230 Mitigation Actions (Johnson County)

Table 6.29: USD#230 Mitigation Actions

Action Identification	Description	Overall Priority	Goal(s) Addressed	Hazard Addressed	Status	Responsible Entity	Estimated cost, Funding Source, and Completion Date
USD #230 - 1	Design and construct safe rooms in all school district buildings.	M	1,2	Tornado, Windstorm	Not Started, Lack of Funding	Superintendent/Asst. Superintendent	Cost: \$1,000,000+ each \$500,000 to 750,000 total Funding: bond issues and HMGP Completion Date: 2022



6.8.23 – USD #231 Mitigation Actions (Johnson County)

Table 6.30: USD#231 Mitigation Actions

Action Identification	Description	Overall Priority	Goal(s) Addressed	Hazard Addressed	Status	Responsible Entity	Estimated cost, Funding Source, and Completion Date
USD #231 - 1	Conduct severe weather refuge area improvements study and complete recommended improvements.	H	1,2	Tornado, Windstorm	Not Started, Lack of Funding	USD231 Director of Operations	Cost: \$36,000 for thorough study Funding: FEMA grants, existing capital revenue, and future school bond revenue Completion Date: 2010
USD #231 - 2	Design and construct safe rooms in all school district buildings.	H	1,2	Tornado, Windstorm	Not Started, Lack of Funding	School district administration	Cost: \$1,000,000 each Funding: HMGP Completion Date: 2025



6.8.24 – USD #232 Mitigation Actions (Johnson County)

Table 6.31: USD#232 Mitigation Actions

Action Identification	Description	Overall Priority	Goal(s) Addressed	Hazard Addressed	Status	Responsible Entity	Estimated cost, Funding Source, and Completion Date
USD #232 - 1	Design and construct safe rooms in all school district buildings.	H	1,2	Tornado, Windstorm	Not Started, Lack of Funding	Crisis Plan Coordinator, Facility Department	Cost: \$1,000,000 each Funding: HMGP Completion Date: 2025
USD #232 - 2	Use USD 232 community school resources to disseminate news and information to students, staff and patrons about possible hazards and steps they can take to protect themselves. .	M	3	All Hazards	In Progress	Schools	Cost: Staff Time Funding: USD232 Completion Date: Open Ended



6.8.25 – USD #233 Mitigation Actions (Johnson County)

Table 6.32: USD#233 Mitigation Actions

Action Identification	Description	Overall Priority	Goal(s) Addressed	Hazard Addressed	Status	Responsible Entity	Estimated cost, Funding Source, and Completion Date
USD #233 - 1	Design and construct safe rooms in all school district buildings.	H	1,2	Tornado, Windstorm	Not Started, Lack of Funding	School District Administration	Cost: \$1,000,000 each Funding: HMGP Completion Date: 1 – 5 years
USD #233 - 2	Purchase backup generators for food production center, central office, and designated Jr High for community shelter and for all future school buildings	M	2	Lightning, Tornado, Utility/ Infrastructure Failure, Sinter Storm, Windstorm	Not Started, Lack of Funding	School District Administration	Cost: \$50,000 each Funding: Grant, local Completion Date: 1 – 5 years



6.8.27 – USD #512 Mitigation Actions (Johnson County)

Table 6.33: USD#512 Mitigation Actions

Action Identification	Description	Overall Priority	Goal(s) Addressed	Hazard Addressed	Status	Responsible Entity	Estimated cost, Funding Source, and Completion Date
USD #512 - 1	Design and construct safe rooms in all school district buildings.	H	1,2	Tornado, Windstorm	Not Started, Lack of Funding	Shawnee - Mission Operations & Maintenance Department	Cost: \$1,000,000 each Funds: Bond and/or capital funds, HMGP Completion Date: 2025



6.8.28– Kansas School for the Deaf Mitigation Actions (Johnson County)

Table 6.34: Kansas School for the Deaf Mitigation Actions

Action Identification	Description	Overall Priority	Goal(s) Addressed	Hazard Addressed	Status	Responsible Entity	Estimated cost, Funding Source, and Completion Date
KSD - 1	Design and construct safe rooms in all school buildings.	H	1,2	Windstorm, Tornado	Not Started, Lack of Funding	Unified Government, KSSDB Superintendent	Cost: \$1,000,000 each Funds: FEMA Grant Completion Date: 12 – 18 months
KSD - 2	Purchase backup generators for all facilities.	H	1,2	Utility Failure, Windstorm, Winter Storm	Not Started, Lack of Funding	Unified Government, KSSB Superintendent	Cost: \$230,000 total Funds: FEMA Completion Date: 8 – 10 months
KSD - 3	Provide vaccination services at on-site clinic using the qualified medical staff.	H	1,2	Major Disease Outbreak	In Progress	Unified Government, KSSB Superintendent	Cost: Staff Time, Vaccine Cost Funds: FEMA Grant Completion Date: On-going
KSD - 4	Purchase and install mass notification system for deaf (visual notice) and for blind (audio) individuals to provide warnings for intruders, hazards, natural disasters, bomb and civil disorder events.	H	1,2,4	All Hazards	Not Started, Lack of Funding	School for the Blind Operations Director	Cost: \$800,000 Funds: State, FEMA Completion Date: 5 year phased implementation
KSD - 5	Create an all hazard staff and student evacuation plan and education students and staff on plan. Update plan on a yearly basis,	H	1,3,4	All Hazards	In Progress	Crisis Management Team and Emergency Management Department	Cost: \$185 for 20-40 handbooks Funds: Instructional Operational Funding Completion Date: FY 2013 On-going



6.8.29 – Johnson County Community College Mitigation Actions (Johnson County)

Table 6.35: Johnson County Community College Mitigation Actions

Action Identification	Description	Overall Priority	Goal(s) Addressed	Hazard Addressed	Status	Responsible Entity	Estimated cost, Funding Source, and Completion Date
JCCC - 1	Upgrade new library and other new buildings with safe rooms.	H	1,2	All Hazards	Not Started, Lack of Funding	JCCC Police Department and Emergency Preparedness Manager	Cost: \$30,000,000 For library and safe room. Funds: Bonds, Grants, College Budget, Donations Completion Date: 2022



6.8.30 – University of Kansas Edwards Mitigation Actions (Johnson County)

Table 6.36: University of Kansas Edwards Mitigation Actions

Action Identification	Description	Overall Priority	Goal(s) Addressed	Hazard Addressed	Status	Responsible Entity	Estimated cost, Funding Source, and Completion Date
KU Edwards - 1	Update Emergency Management Plan	M	1,3,4	All Hazards	Not Started, Staffing Limitations	Mary E. Ryan, Associate Dean, Academic and Student Affairs, KU Edwards Campus	Cost: Staff Time Funds: No funds Completion Date: 2025
KU Edwards - 2	Deliver public education to provide educational preparedness material to students, staff, and faculty.	M	3	All Hazards	In Progress	Mary E. Ryan, Associate Dean, Academic and Student Affairs, KU Edwards Campus	Cost: Staff Time Funds: No funds Completion Date: 2025
KU Edwards - 3	Design and construct all future buildings with safe rooms.	M	1,2	All Hazards	Not Started, Lack of Funding	Mary E. Ryan, Associate Dean, Academic and Student Affairs, KU Edwards Campus	Cost: \$1,000,000 each Funds: KDEM, FEMA Completion Date: 2025
KU Edwards - 4	Develop mutual aid agreements with nearby response agencies	M	4	All Hazards	In Progress	Mary E. Ryan, Associate Dean, Academic and Student Affairs, KU Edwards Campus	Cost: Staff Time Funds: No funds Completion Date: 2025



6.8.31 – Consolidated Fire District 2 Mitigation Actions (Johnson County)

Table 6.37: Consolidated Fire District 2 Mitigation Actions

Action Identification	Description	Overall Priority	Goal(s) Addressed	Hazard Addressed	Status	Responsible Entity	Estimated cost, Funding Source, and Completion Date
Consolidated Fire District 2 - 1	Replacement of doors at emergency fire protection facility. The plan is to retrofit or replace the existing apparatus bay doors with wind storm resistant, quick opening bi-fold doors.	H	2	Windstorm	Not Started, Lack of Funding	Consolidated FD #2	Cost: \$60,000 Funds: Grant, Local Completion Date: 18 months



6.8.32 – Fire District 1 Mitigation Actions (Johnson County)

Table 6.38: Fire District 1 Mitigation Actions

Action Identification	Description	Overall Priority	Goal(s) Addressed	Hazard Addressed	Status	Responsible Entity	Estimated cost, Funding Source, and Completion Date
Fire District 1 - 1	Design, purchase and retrofit fire stations within the Fire District with wind resistant / energy efficient doors. All large surface area windows would be fitted with storm panels.	H	2	Windstorm	Not Started, Lack of Funding	Fire District #1 Johnson County, Fire chief	Cost: \$250,000 Funds: Budget, Bonds, Mitigation Grant funds if available Completion Date: 2022



6.8.33 – Fire District 2 Mitigation Actions (Johnson County)

Table 6.39: Fire District 2 Mitigation Actions

Action Identification	Description	Overall Priority	Goal(s) Addressed	Hazard Addressed	Status	Responsible Entity	Estimated cost, Funding Source, and Completion Date
Fire District 2 - 1	Design, purchase and retrofit fire stations within the Fire District with wind resistant / energy efficient doors. All large surface area windows would be fitted with storm panels.	H	2	Windstorm	Not Started, Lack of Funding	Fire District #2, Fire Chief	Cost: \$250,000 Funds: Budget, Bonds, Mitigation Grant funds if available. Completion Date: 2025
Fire District 2 - 2	Purchase backup generators for all fire stations.	H	2	All Hazards	Not Started, Lack of Funding	Fire District #2, Fire chief	Cost: \$30,000 each Funds: Grants, capital improvement, and bonds Completion Date: 2025



6.8.34– Fire District 3 Mitigation Actions (Johnson County)

Table 6.40: Fire District 3 Mitigation Actions

Action Identification	Description	Overall Priority	Goal(s) Addressed	Hazard Addressed	Status	Responsible Entity	Estimated cost, Funding Source, and Completion Date
Fire District 3 - 1	Purchase backup generators for all fire stations.	M	2	All Hazards	Not Started, Lack of Funding	Fire District #3, Johnson County	Cost: \$30,000 each Funds: Grants, capital improvement, and bonds Completion Date: 2025



6.8.35 – Leavenworth County Mitigation Actions

Table 6.41: Leavenworth County Mitigation Actions

Action Identification	Description	Overall Priority	Goal(s) Addressed	Hazard Addressed	Status	Responsible Entity	Estimated cost, Funding Source, and Completion Date
Leavenworth County - 1	Continued operation and management of jurisdictional NFIP activities.	H	1,2	Flood	In Progress	Floodplain Manager	Cost: Staff Time Funding: Local Completion Date: Continuous
Leavenworth County - 2	NFIP - Acquire and demolish or preserve parcels of land subject to repetitive flooding from willing and voluntary property owners.	H	1,2	Flood	Not Started, Lack of Funding	Emergency Management Planner	Cost: Project Dependent Funds: FEMA, KDEM. Local Completion Date: Continuous
Leavenworth County - 3	NFIP - Regularly calculate and document the amount of flood prone property that is preserved as open space to reduce flood insurance burden to the county.	H	1,2	Flood	Not Started, Staffing Limitations	Planner, Flood Plain Administrator	Cost: Staff Time Funds: Local Completion Date: 2022
Leavenworth County - 4	NFIP - Identify flash-flood prone areas to consider flood reduction measures to county planners.	H	1,2	Flood	Not Started, Staffing Limitations	Planner	Cost: Staff Time Funds: Local Completion Date: 2022
Leavenworth County - 5	NFIP - Amend the Floodplain Management Ordinance to include a “no-rise (in base flood elevation)” clause for Leavenworth County.	H	1,2	Flood	Not Started, Staffing Limitations	Planning Commission, Planner	Cost: Staff Time Funds: FEMA Mapping Project Completion Date: 2022
Leavenworth County - 5	NFIP - Research and design an appropriate stream buffer ordinance to further protect the jurisdiction’s water resources and to limit future flood damages adjacent to major waterways.	H	1,2	Flood	Not Started, Staffing Limitations	Planning Commission, Planner	Cost: Staff Time Funds: FEMA/State/Local. Levee Districts Completion Date: 31 Dec 2017
Leavenworth County - 6	NFIP - Identify levee owners in the jurisdiction.	H	1,2	Flood	Not Started, Staffing Limitations	Planner, emergency Management, Levee Districts	Cost: Staff Time Funds: Local Completion Date: 2022
Leavenworth County - 7	NFIP - Implement a study to determine the residual flood risk in levee-protected areas.	M	1,2	Flood	Not Started, Staffing Limitations	Planner, Levee Districts	Cost: Staff Time Funds: Local Completion Date: 2022



Table 6.41: Leavenworth County Mitigation Actions

Action Identification	Description	Overall Priority	Goal(s) Addressed	Hazard Addressed	Status	Responsible Entity	Estimated cost, Funding Source, and Completion Date
Leavenworth County - 8	Identify the county’s most at-risk critical facilities and evaluate potential mitigation techniques for protecting each facility to the maximum extent possible.	M	1,2	All Hazards	Not Started, Staffing Limitations	Emergency Management	Cost: Staff Time Funds: Local Completion Date: 2022
Leavenworth County - 9	Conduct an inventory/survey for the county’s emergency response services to identify any existing needs or shortfalls in terms of personnel, equipment or required resources.	M	1	All Hazards	Not Started, Staffing Limitations	Emergency Management, GIS	Cost: Staff Time Funds: Local/State Completion Date: 2022
Leavenworth County - 10	Research, develop, and recommend an ordinance/resolution to require installation of tornado shelters for major manufactured and/or mobile home parks with more than 10 mobile home spaces.	H	1,2	Tornado, Windstorm	Not Started, Staffing Limitations	Planning and Zoning Department	Cost: Staff Time Funds: Local Completion Date: 2022
Leavenworth County - 11	Evaluate the firefighting water supply resources within the County.	M	1,2	Wildfire	Not Started, Staffing Limitations	Fire Officials, Emergency Management	Cost: Staff Time Funds: Local Completion Date: 2022
Leavenworth County - 12	Distribute assessment report examples provided by the Kansas Forest Service to applicable parties to develop an understanding of the Community Wildfire Protection Plan (CWPP).	H	3,4	Wildfire	Not Started, Staffing Limitations	Rural Fire, Emergency Management	Cost: Staff Time Funds: Local, State, Federal Grant programs. Completion Date: On-going
Leavenworth County - 13	Develop and implement a wildfire prevention/education program.	M	3,4	Wildfire	Not Started, Staffing Limitations	Fire Officials, Emergency Management	Cost: Dependent on size Funds: Local Completion Date: Continuous
Leavenworth County - 14	Examine the current agreements within the county and assess the need to expand or update cooperative agreements for firefighting resources.	H	4	Wildfire	Not Started, Staffing Limitations	Fire Officials, Emergency Management	Cost: Staff Time Funds: Local Completion Date: Continuous
Leavenworth County - 15	Appoint a rural fire committee to schedule meetings with the Kansas Forest Service to map suspected hazardous wildfire areas in the county for potential participation in the Community Wildfire Protection Program (CWPP).	M	3,4	Wildfire	Not Started, Staffing Limitations	Rural Fire, Emergency Management	Cost: Staff Time Funds: Local/State/Federal Completion Date: 2022



Table 6.41: Leavenworth County Mitigation Actions

Action Identification	Description	Overall Priority	Goal(s) Addressed	Hazard Addressed	Status	Responsible Entity	Estimated cost, Funding Source, and Completion Date
Leavenworth County - 16	Incorporate wildfire maps, develop actions and projects for wildfire prevention, and complete an assessment report to meet CWPP requirements for submittal to the Kansas Forest Service.	M	1,4	Wildfire	Not Started, Staffing Limitations	Rural Fire, Emergency Management	Cost: Staff Time Funds: Local, Federal, State Completion Date: 2022
Leavenworth County - 17	Develop cross-departmental information collection capabilities and incorporate cadastral (building/parcel) data utilizing a GIS for purposes of conducting more detailed hazard risk assessments and for tracking permitting / land use patterns, buildings and infrastructure replacement costs, and overall structural accounting for the county.	M	4	All Hazards	Not Started, Staffing Limitations	Emergency Management, GIS	Cost: Staff Time Funds: KDEM, Local, grants Completion Date: Continuous
Leavenworth County - 18	Develop an annex to the Local Emergency Operations Plan (LEOP) for dam/levee failure response and evacuation plans for high hazard dams/levees in Leavenworth County.	H	1,2	Dam/Levee	Not Started, Staffing Limitations	Emergency Management Department	Cost: Staff Time Funds: Local Completion Date: 2022
Leavenworth County - 19	NFIP - Seek Funding to complete a stormwater drainage study for Leavenworth County that will lead to a stormwater management ordinance that maintains pre-development runoff rates.	M	1,2	Flood	Not Started, Lack of Funding	Planner, Public Works	Cost: \$100,000 Funds: State of Kansas, FEMA Completion Date: 2022
Leavenworth County - 20	Research and contact all owners of high hazard dams in the county and inform them of their responsibility to provide Emergency Action Plans to the Leavenworth County Emergency Management. Additionally, Levee owners should be contacted regarding potential PM 43 requirements for continued validation of protected areas behind the levees.	H	3,4	Dam/Levee Failure	Not Started, Staffing Limitations	Emergency Management Department	Cost: Staff Time Funds: Local Completion Date: 2022
Leavenworth County - 21	Research and recommend appropriate building codes for the jurisdiction that	H	1,4	All Hazards	Not Started,	Planning Commission, Planner, BOCC	Cost: Staff Time Funds: Local



Table 6.41: Leavenworth County Mitigation Actions

Action Identification	Description	Overall Priority	Goal(s) Addressed	Hazard Addressed	Status	Responsible Entity	Estimated cost, Funding Source, and Completion Date
	includes wind resistant design techniques for new construction.				Staffing Limitations		Completion Date: 2022
Leavenworth County - 22	Conduct debris removal in Big Stranger Creek that is located within the Drainage District.	M	1,2	Dam/Levee, Flood	Not Started, Lack of Funding	Big Strange Drainage District	Cost: \$200,000 Funds: Local, State, Federal Completion Date: Continuous
Leavenworth County - 23	The Leavenworth County Consolidated Rural Water District (RWD) No. 1 will continue to assess the impact of natural hazards on water distribution lines, systems, and equipment. The Water District will also seek Funding sources to mitigate damage to critical infrastructure and seek Funding for various water main improvement projects.	M	1,2	Utility/ Infrastructure Failure	Not Started, Lack of Funding	Leavenworth county Consolidated RWD #1	Cost: Project Dependent Funds: Local, State, Federal Completion Date: Continuous
Leavenworth County - 24	The Leavenworth County Rural Water District (RWD) No. 7 will continue to assess the impact of natural hazards on water distribution lines, systems, and equipment. The Water District will also seek Funding sources to mitigate damage to critical infrastructure and seek Funding for various water main improvement projects..	M	1,2	All Hazards	Not Started, Lack of Funding	Leavenworth County RWD 7	Cost: Project Dependent Funds: Local, State, Federal Completion Date: Continuous
Leavenworth County - 25	Obtain Funding for the purchase of mobile backup power generators for the groundwater well facilities of Leavenworth County Rural Water District (RWD) 7.	M	1,2	All hazards	Not Started, Lack of Funding	Leavenworth County RWD 7	Cost: \$150,000 Funds: Local, State, Federal Completion Date: 2022
Leavenworth County - 26	The Leavenworth Water Department will continue to assess the impact of natural hazards on water distribution lines, systems, and equipment. The Department will also seek additional Funding sources to mitigate damage to critical infrastructure.	M	1,2	All Hazards	Not Started, Lack of Funding	Leavenworth Water Department, Leavenworth County	Cost: Project Dependent Funds: Local, State, Federal Completion Date: Continuous



Table 6.41: Leavenworth County Mitigation Actions

Action Identification	Description	Overall Priority	Goal(s) Addressed	Hazard Addressed	Status	Responsible Entity	Estimated cost, Funding Source, and Completion Date
Leavenworth County - 27	Coordinate county and local government mitigation efforts with Rural Electric Cooperatives (REC's), encourage identification of hazards potentially affecting their infrastructure, assessment of the vulnerabilities of the infrastructure to these hazards, and identification of mitigation strategies.	M	1,2,4	Utility/ Infrastructure Failure	Not Started, Staffing Limitations	City, county Planners, RECs	Cost: Staff Time Funds: Local Completion Date: 2022
Leavenworth County - 28	NFIP - Contact owners identified in high-risk flood areas and inform them of potential availability of assistance through the FEMA program, in addition to other flood protection measures.	H	3	Flood	Not Started, Staffing Limitations	County Planners, City Officials	Cost: Staff Time Funds: Local Completion Date: Continuous
Leavenworth County - 29	NFIP - Advertise and promote the availability of flood insurance to property owners by direct mail once a year.	H	3	Flood	In Progress	County Planners, City Officials	Cost: Staff Time Funding: Local Completion Date: Continuous
Leavenworth County - 30	Collect educational materials on individual and family preparedness / mitigation measures for property owners, and display at both the library and routinely visited government offices.	H	3	All Hazards	Not Started, Staffing Limitations	Chamber of Commerce, Emergency Management, City Officials	Cost: Staff Time Funds: Local Completion Date: Continuous
Leavenworth County - 31	Annually host a public "hazards workshop" in combination with local festivals, fairs, or other appropriate events.	H	3,4	All Hazards	Not Started, Staffing Limitations	City and County Planners, Emergency Management	Cost: Staff Time Funds: Local Completion Date: Continuous
Leavenworth County - 32	Promote and educate the jurisdiction's public and private sectors on potential agricultural terrorism and bio-terrorism issues that can severely impact the county and regional economies and develop and implement plans to address these issues.	H	1,2,3,4	Terrorism, Agriterrorism	Not Started, Staffing Limitations	County Health Department, County Emergency Management, county Extension, Local Producers	Cost: Staff Time Funds: Local/State Completion Date: Continuous
Leavenworth County - 33	NFIP - The County and local governments will work with the Kansas Dept. of Ag - Division of Water Resources to educate	H	3,4	Flood	Not Started, Staffing Limitations	Emergency Management, City Officials	Cost: Staff Time Funds: Local/State Completion Date: Continuous



Table 6.41: Leavenworth County Mitigation Actions

Action Identification	Description	Overall Priority	Goal(s) Addressed	Hazard Addressed	Status	Responsible Entity	Estimated cost, Funding Source, and Completion Date
	and promote local jurisdictional participation in the NFIP CRS.						
Leavenworth County - 34	Establish, promote, and fund continuity of water systems between rural water districts to larger water departments to manage future growth in the county.	M	4	All Hazards	Not Started, Lack of Funding	Water Departments, Water Districts	Cost: Project Dependent Funds: Local, State, Federal Completion Date: 2025
Leavenworth County - 35	Fund the construction of safe rooms and storm shelters in public and private schools, day care centers and senior care facilities.	H	1,2	Tornado	Not Started, Lack of Funding	School Districts, City Officials, State of Kansas, FEMA	Cost: \$1,000,000+ each room Funds: FEMA, State, Local Completion Date: Continuous
Leavenworth County - 36	Prepare and adopt an Outdoor Warning Sirens Plan for the county, including consideration of the unique geographical locations, technical requirements, system types and operational procedures of each local jurisdiction.	M	1,2	All Hazards	Not Started, Lack of Funding	Leavenworth County Emergency Management, Emergency Services	Cost: \$200,000 Funds: Local, State, Federal Completion Date: 2025



6.8.36 – Basehor Mitigation Actions (Leavenworth County)

Table 6.42: Basehor Mitigation Actions

Action Identification	Description	Overall Priority	Goal(s) Addressed	Hazard Addressed	Status	Responsible Entity	Estimated cost, Funding Source, and Completion Date
Basehor - 1	Continued operation and management of jurisdictional NFIP activities.	H	1,2	Flood	In Progress	Floodplain Manager	Cost: Staff Time Funding: Local Completion Date: Continuous
Basehor - 2	NFIP - Identify flash-flood prone areas to consider flood reduction measures to city/county planners.	L	1,2	Flood	Not Started, Staffing Limitations	Floodplain Manager, City Planner, City Superintendent Public Works	Cost: Staff Time Funds: Local Completion Date: 2022
Basehor - 3	Incorporate the inspection and management of trees into the city maintenance program that may pose a threat to the electrical lines that could result in power outages.	M	1,2	Winter Storm, Wind Storms	Not Started, Staffing Limitations	City Superintendent, Codes Enforcement Officer	Cost: Staff Time Funds: Local, State, Federal Completion Date: 2022
Basehor - 4	Purchase fixed and mobile generators for all city facilities.	H	2	All Hazards	Not Started, Lack of Funding	City Superintendent,	Cost: Staff Time Funds: Local, State, Federal Completion Date: 2022
Basehor - 5	Design and construct a safe room within the City of Basehor City Hall / Police Department.	L	1,2	Tornado, Windstorm	Not Started, Lack of Funding	City Engineer, Planner	Cost: \$2,000,000 Funds: Local, State, Federal Completion Date: 2022
Basehor - 6	Design and construct a safe room within the new City Hall / Police Department when constructed.	L	1,2	Tornado, Windstorm	Not Started, Lack of Funding	City Engineer, Planner	Cost: \$2,000,000 Funds: Local, State, Federal Completion Date: 2022
Basehor - 7	Develop a radio communications plan between the City of Basehor Public Works Department / Street Department and City Hall to ensure interoperability between entities.	M	4	All Hazards	Not Started, Staffing Limitations	City Administrator, Chief of Police, City Superintendent	Cost: Staff Time Funds: Local, State, Federal Completion Date: Continuous
Basehor - 8	Purchase a brine applicator and mixer to apply chemicals to roads within the City of	L	1,2	All Hazards	Not Started, Lack of Funding	City Superintendent	Cost: \$200,000 Funds: Local, State, Federal



Table 6.42: Basehor Mitigation Actions

Action Identification	Description	Overall Priority	Goal(s) Addressed	Hazard Addressed	Status	Responsible Entity	Estimated cost, Funding Source, and Completion Date
	Basehor prior to major winter storm events, including ice storms.						Completion Date: 2022
Basehor - 9	Purchase of equipment to assist in the removal of debris and assist with cleanups after major storms.	M	1,2	All Hazards	Not Started, Lack of Funding	City Superintendent	Cost: \$400,000 Funds: Local, State, Federal Completion Date: 2022



6.8.37 – Easton Mitigation Actions (Leavenworth County)

Table 6.43: Easton Mitigation Actions

Action Identification	Description	Overall Priority	Goal(s) Addressed	Hazard Addressed	Status	Responsible Entity	Estimated cost, Funding Source, and Completion Date
Easton – 1	Continued operation and management of jurisdictional NFIP activities.	H	1,2	Flood	In Progress	Floodplain Manager	Cost: Staff Time Funding: Local Completion Date: Continuous
Easton – 2	NFIP - Identify flash-flood prone areas to consider flood reduction measures to city officials / county planners.	H	1,2	Flood	Not Started, Staffing Limitations	Floodplain Manager	Cost: Staff Time Funds: Local Completion Date: 2022
Easton – 3	NFIP - Seek Funding to raise the casings around the potable water wells utilized by the City of Easton to protect them from flood water contamination.	M	1,2	Flood	Not Started, Lack of Funding	City of Easton Manager	Cost: Project Dependent Funds: Local, State, Federal Completion Date: Continuous
Easton – 4	Purchase and install a backup generator for the City of Easton Water Treatment Plant in the event of severe weather events.	H	1,2	All Hazards	Not Started, Lack of Funding	City of Easton Manager	Cost: \$150,000 Funds: Local, State, Federal Completion Date: 2022
Easton – 5	NFIP - Purchase and install control valves for the City of Easton Water Treatment Plant and storage facility in the event of flooding events.	M	1,2	Flood	Not Started, Lack of Funding	City of Easton Manager	Cost: \$150,000 Funds: Local, State, Federal Completion Date: 2022
Easton – 6	NFIP - Acquire and demolish flood prone properties within the city.	M	1,2	Flood	Not Started, Lack of Funding	City of Easton Manager	Cost: Project Dependent Funds: Local, State, Federal Completion Date: 2022
Easton – 7	Design and construct community safe rooms within the city	M	1,2	Tornado, Windstorm	Not Started, Lack of Funding	City of Easton Manager	Cost: \$1,000,000 each Funds: Local, State, Federal Completion Date: 2022
Easton – 8	NFIP - Conduct an engineering study and complete the project to raise the State highway 300 yards east of First Street to the twin bridges over Stranger Creek.	M	1,2	Flood	Not Started, Lack of Funding	City of Easton Manager	Cost: \$50,000 Funds: Local, State, Federal Completion Date: 2022



6.8.38 – Lansing Mitigation Actions (Leavenworth County)

Table 6.44: Lansing Mitigation Actions

Action Identification	Description	Overall Priority	Goal(s) Addressed	Hazard Addressed	Status	Responsible Entity	Estimated cost, Funding Source, and Completion Date
Lansing - 1	Continued operation and management of jurisdictional NFIP activities.	H	1,2	Flood	In Progress	Floodplain Manager	Cost: Staff Time Funding: Local Completion Date: Continuous
Lansing - 2	NFIP - Identify flash-flood prone areas to consider flood reduction measures to city planners.	H	1,2	Flood	Not Started, Staffing Limitations	Public Works Director	Cost: \$20,000 Funds: Local/Grant Completion Date: 3 years
Lansing - 3	Design and construct storm shelters for existing mobile home parks in the City of Lansing that currently do not have storm shelters or have inadequate storm shelters.	H	1,2	Tornado, Windstorms	Not Started, Lack of Funding	Community Development Superintendent	Cost: \$783,153 Funds: Local, State, Federal Completion Date: 6 years
Lansing - 4	NFIP - Develop and fund professional services to augment the City of Lansing's GIS capability.	M	1,2	Flood	Not Started, Lack of Funding	Public Works Director	Cost: \$40,000 Funds: Local, State, Federal Completion Date: 2 years
Lansing - 5	NFIP - Conduct engineering studies, and then design and construct levees to protect the Rock Creek West/Rock Creek West #5 neighborhood and the Fawn Valley Replat neighborhood from flooding events.	M	1,2	Flood	Not Started, Lack of Funding	Public Works Director	Cost: \$275,000 Funds: Local, State, Federal Completion Date: 6 months
Lansing - 6	NFIP - Conduct engineering studies, and then design and reconstruct an engineered storm water channel within the city limits of Lansing in the Holiday Hills neighborhood.	H	1,2	Flood	Not Started, Lack of Funding	Public Works Director	Cost: \$250,000 Funds: Local, Grant Completion Date: 3
Lansing - 7	NFIP - Research and fund engineering services for a city-wide storm water infrastructure-needs assessment. .	H	1,2	Flood	Not Started, Lack of Funding	Public Works Director	Cost: \$150,000 Funds: Local, Grant Completion Date: 2022
Lansing - 8	NFIP - Design and complete construction of stream bank stabilization on Nine Mile	M	1,2	Flood	Not Started,	Public Works Director	Cost: \$200,000 Funds: Local, Grant



Table 6.44: Lansing Mitigation Actions

Action Identification	Description	Overall Priority	Goal(s) Addressed	Hazard Addressed	Status	Responsible Entity	Estimated cost, Funding Source, and Completion Date
	Creek and Seven Mile Creek within the city limits of Lansing.				Lack of Funding		Completion Date: 2022
Lansing - 9	NFIP - Perform maintenance activities along Nine Mile Creek and Seven Mile Creek, including the contractor removal or deadfall and/or log jams.	M	1,2	Flood	Not Started, Lack of Funding	Public Works Director	Cost: Project Dependent Funds: Local, State, Federal Completion Date: 2022
Lansing - 10	NFIP - Perform storm water quality monitoring in the City of Lansing. .	M	1,2	Flood	Not Started, Lack of Funding	Public Works Director	Cost: \$100,000 Funds: Local, State, Federal Completion Date: 2022



6.8.39 – City of Leavenworth Mitigation Actions (Leavenworth County)

Table 6.45: City of Leavenworth Mitigation Actions

Action Identification	Description	Overall Priority	Goal(s) Addressed	Hazard Addressed	Status	Responsible Entity	Estimated cost, Funding Source, and Completion Date
City of Leavenworth - 1	NFIP - Identify flash-flood prone areas to consider flood reduction measures to city planners.	H	1,2	Flood	Not Started, Staffing Limitations	City Planner, Floodplain Manager, Public Works Director	Cost: Staff Time Funds: Local Completion Date: 2022
City of Leavenworth - 2	Continued operation and management of jurisdictional NFIP activities.	H	1,2	Flood	In Progress	Floodplain Manager	Cost: Staff Time Funding: Local Completion Date: Continuous
City of Leavenworth - 3	NFIP - Acquire and demolish flood prone properties within the city.	M	1,2	Flood	Not Started, Lack of Funding	City of Leavenworth	Cost: Varies Funds: Local, State, Federal Completion Date: Continuous
City of Leavenworth - 4	NFIP - Purchase a portable dam system to reduce exposure from flooding to the Leavenworth Community Center.	M	1,2	Flood	Not Started, Lack of Funding	City of Leavenworth	Cost: \$200,000 Funds: Local, State, Federal Completion Date: 2022
City of Leavenworth - 5	NFIP - Purchase a portable dam system to reduce exposure from flooding to the City of Leavenworth Wastewater Treatment Plant.	M	1,2	Flood	Not Started, Lack of Funding	City of Leavenworth	Cost: \$200,000 Funds: Local, State, Federal Completion Date: 2022
City of Leavenworth - 6	NFIP - Seek Funding to construct a new City of Leavenworth Animal Control Shelter Building to replace the existing structure which is susceptible to repeated flooding events.	L	1,2	Flood	Not Started, Lack of Funding	City of Leavenworth	Cost: \$2,000,000 Funds: Local, State, Federal Completion Date: 2022



6.8.40 – Linwood Mitigation Actions (Leavenworth County)

Table 6.46: Linwood Mitigation Actions

Action Identification	Description	Overall Priority	Goal(s) Addressed	Hazard Addressed	Status	Responsible Entity	Estimated cost, Funding Source, and Completion Date
Linwood - 1	NFIP - Identify flash-flood prone areas to consider flood reduction measures to city planners.	H	1,2	Flood	Not Started, Staffing Limitations	Planning Board Commissioner	Cost: Staff Time Funds: Local Completion Date: 2022
Linwood - 2	Continued operation and management of jurisdictional NFIP activities.	H	1,2	Flood	In Progress	Floodplain Manager	Cost: Staff Time Funding: Local Completion Date: Continuous



6.8.41 – Tonganoxie Mitigation Actions (Leavenworth County)

Table 6.47: Tonganoxie Mitigation Actions

Action Identification	Description	Overall Priority	Goal(s) Addressed	Hazard Addressed	Status	Responsible Entity	Estimated cost, Funding Source, and Completion Date
Tonganoxie - 1	Identify flash-flood prone areas to consider flood reduction measures to city planners. Flood zone mapping has provided initial identification of potential hazard areas that can be reviewed with other data sources, such as the watershed districts goals and objectives, in developing long range planning activities for flood prevention, or other planning steps to reduce exposure to this hazard.	H	1,2	Flood	Not Started, Lack of Funding	City Planning Committee, Floodplain Manager, City Engineer	Cost: \$100,000 Funds: Local Completion Date: 2022
Tonganoxie - 2	Continued operation and management of jurisdictional NFIP activities.	H	1,2	Flood	Not Started, Staffing Limitations	Floodplain Manager	Cost: Staff Time Funding: Local Completion Date: Continuous
Tonganoxie - 3	Develop and fund professional services to augment the City of Tonganoxie's GIS capability.	M	1,2	Flood	Not Started, Lack of Funding	City of Tonganoxie Planner, City Engineer	Cost: 65,000 Funds: Local, State, Federal Completion Date: 2022
Tonganoxie - 4	Design and complete and construction of stream bank stabilization on Tonganoxie Creek within the city limits of Tonganoxie.	M	1,2	Flood	Not Started, Lack of Funding	City of Tonganoxie, City Engineer	Cost: \$25,000 Funds: Local, State, Federal Completion Date: 2022
Tonganoxie - 5	Research and fund engineering services for a city-wide storm water infrastructure-needs assessment.	M	1,2	Flood	Not Started, Lack of Funding	City of Tonganoxie Engineer	Cost: \$25,000 Funds: Local, State, Federal Completion Date: 2022
Tonganoxie - 6	Perform maintenance activities along Tonganoxie Creek within the city limits of Tonganoxie to include contractor removal or deadfall and/or log jams.	M	1,2	Flood	Not Started, Lack of Funding	City of Tonganoxie, City Engineer	Cost: \$15,000 Funds: Local, State, Federal Completion Date: 2022
Tonganoxie - 7	Perform storm water quality monitoring in the City of Tonganoxie.	M	1,2	Flood	Not Started, Staffing Limitations	City of Tonganoxie Engineer	Cost: \$10,000+ Funds: Local, State, Federal Completion Date: 2022



Table 6.47: Tonganoxie Mitigation Actions

Action Identification	Description	Overall Priority	Goal(s) Addressed	Hazard Addressed	Status	Responsible Entity	Estimated cost, Funding Source, and Completion Date
Tonganoxie - 8	Incorporate the inspection and management of trees into the city maintenance program that may pose a threat to the electrical lines that could result in power outages during ice storms.	M	1,2	Ice Storm	Not Started, Lack of Funding	City of Tonganoxie and Local Utility Companies	Cost: \$10,000 Funds: Local, State, Federal Completion Date: Continuous
Tonganoxie - 9	Create a working group to assess the county's firefighting / EMS resources to identify any existing needs or shortfalls in terms of personnel, equipment or additional required resources. Complete all recommendations.	M	4	All Hazards	Not Started, Lack of Funding	City of Tonganoxie Fire Chief, EMS	Cost: \$30,000 Funds: Local, State, Federal Completion Date: 2022
Tonganoxie - 10	Design and construct safe rooms within the City of Tonganoxie City Hall and Fire Station.	M	1,2	Tornado, Windstorm	Not Started, Lack of Funding	City of Tonganoxie Fire Chief/Work Group	Cost: \$5,000,000 Funds: Local, State, Federal Completion Date: 2022



6.8.42 – University of St. Mary Mitigation Actions (Leavenworth County)

Table 6.48: University of St. Mary Mitigation Actions

Action Identification	Description	Overall Priority	Goal(s) Addressed	Hazard Addressed	Status	Responsible Entity	Estimated cost, Funding Source, and Completion Date
St. Mary - 1	Incorporate the inspection and management of trees into the University's routine maintenance process to remove trees that may increase the risk of power failure throughout the campus infrastructure.	M	1,2	Utility/ Infrastructure Failure	Not Started, Staffing Limitations	University of St. Mary	Cost: \$10,000 Funds: Local Completion Date: Continuous
St. Mary - 2	Appoint a committee to develop a radio communications plan between campus security units and outside agencies of Leavenworth County and the City of Leavenworth to ensure interoperability between all communities.	M	4	All Hazards	Not Started, Staffing Limitations	University of St. Mary, City of Leavenworth, Leavenworth County	Cost: Staff Time Funds: Local, State, Federal Completion Date: 2022
St. Mary - 3	Appoint a committee to research and implement enhancement to the University's early warning systems for students and staff for weather alerts and campus emergencies.	M	1,2,4	All Hazards	Not Started, Staffing Limitations	University of St. Mary	Cost: Staff Time Funds: Local, State, Federal Completion Date: 2022



6.8.43 – USD #207 Mitigation Actions (Leavenworth County)

Table 6.49: USD #207 Mitigation Actions

Action Identification	Description	Overall Priority	Goal(s) Addressed	Hazard Addressed	Status	Responsible Entity	Estimated cost, Funding Source, and Completion Date
USD #207 - 1	The safe room for the new school will be located on the lower level; however, it will have an on-grade entrance/exit due to the terrain of the site. Three walls are below grade. The elevator will allow the 2nd and 3rd floor staff and students with disabilities (and wheelchair bound students) to access the safe room.	H	1,2	Tornado, Windstorm	Not Started, Lack of Funding	USD 207 Board of Education; CFO (business manager) will tract progress of project.	Cost: \$28,600,00 Funds: FEMA Grant and USD 207 Completion Date: 2022
USD #207 - 2	Design and construct a safe room for MacArthur Elementary School.	H	1,2	Tornado, Windstorm	Not Started, Lack of Funding	USD 207 Board of Education; CFO (business manager) will tract progress of project along with architectural firm (BCDM) and Titan Construction Company	Cost: \$1,200,00 Funds: Local Completion Date: 2022



6.8.44 – USD #449 Mitigation Actions (Leavenworth County)

Table 6.50: USD #449 Mitigation Actions

Action Identification	Description	Overall Priority	Goal(s) Addressed	Hazard Addressed	Status	Responsible Entity	Estimated cost, Funding Source, and Completion Date
USD #449 - 1	Design and construct safe rooms for all district school buildings.	M	1,2	Tornado, Windstorm	Not Started, Lack of Funding	School District, State, FEMA	Cost: \$1,000,000 each Funds: FEMA Completion Date: 2022



6.8.45 – USD #453 Mitigation Actions (Leavenworth County)

Table 6.51: USD #453 Mitigation Actions

Action Identification	Description	Overall Priority	Goal(s) Addressed	Hazard Addressed	Status	Responsible Entity	Estimated cost, Funding Source, and Completion Date
USD #453 - 1	Design and construct safe rooms for all district school buildings	M	1,2	Tornado, Windstorm	Not Started, Lack of Funding	School District, FEMA	Cost: \$1,000,000 each Funds: FEMA Completion Date: 2022



6.8.46 – USD #458 Mitigation Actions (Leavenworth County)

Table 6.52: USD #458 Mitigation Actions

Action Identification	Description	Overall Priority	Goal(s) Addressed	Hazard Addressed	Status	Responsible Entity	Estimated cost, Funding Source, and Completion Date
USD #458 - 1	Design and construct safe rooms for all district school buildings	M	1,2	Tornado, Windstorm	Not Started, Lack of Funding	School District, FEMA	Cost: \$1,000,000 each Funds: FEMA Completion Date: 2022
USD #458 - 2	Assess elevations and water flow in the district to qualify the benefit of flood control projects in the District. Complete recommended projects.	M	1,2	Flood	Not Started, Lack of Funding	School District	Cost: Project Dependent Funds: Local, State, Federal Completion Date: 2022



6.8.47 – USD# 464 Mitigation Actions (Leavenworth County)

Table 6.53: USD #464 Mitigation Actions

Action Identification	Description	Overall Priority	Goal(s) Addressed	Hazard Addressed	Status	Responsible Entity	Estimated cost, Funding Source, and Completion Date
USD #464 - 1	Design and construct safe rooms for all district school buildings	M	1,2	Tornado, Windstorm	Not Started, Lack of Funding	Superintendent of Schools	Cost: \$1,00,000 each Funds: Local Completion Date: Continuous
USD #464 - 2	Purchase and install backup power generators for the schools of USD 464.	M	1,2	All Hazards	Not Started, Lack of Funding	Superintendent of Schools	Cost: \$50,000 each Funds: Local, State, Federal Completion Date: 2022
USD #464 - 3	Seek Funding to retain a professional school safety and security firm to review and update the school’s Security Plan for domestic acts of terrorism, building security, and contagious disease response.	M	1,2,3	Terrorism, Civil Disorder	Not Started, Lack of Funding	Superintendent of Schools	Cost: \$50,000 Funds: Local, State, Federal Completion Date: 2022



6.8.48 – USD #469 Mitigation Actions (Leavenworth County)

Table 6.54: USD #469 Mitigation Actions

Action Identification	Description	Overall Priority	Goal(s) Addressed	Hazard Addressed	Status	Responsible Entity	Estimated cost, Funding Source, and Completion Date
USD #469 - 1	Design and construct safe rooms for all district school buildings	M	1,2	Tornado, Windstorm	Not Started, Lack of Funding	School District, State, FEMA	Cost: \$1,000,000 Each Funds: Local Completion Date: Continuous
USD #469 - 2	Seek Funding to retain a professional school safety and security firm to review and update the school’s Security Plan for domestic acts of terrorism, building security, and contagious disease response.	M	1,2,3	Terrorism, Civil Disorder	Not Started, Lack of Funding	Board of Education, School superintendent	Cost: \$50,000 Funds: Local, State, Federal Completion Date: 2022



6.8.49 – Leavenworth Rural Water District #7 Mitigation Actions (Leavenworth County)

Table 6.55: Leavenworth Rural Water District #7 Mitigation Actions

Action Identification	Description	Overall Priority	Goal(s) Addressed	Hazard Addressed	Status	Responsible Entity	Estimated cost, Funding Source, and Completion Date
LVRWD7 - 1	Maintain, repair, and collect GPS locations of fire hydrants within the area served by Leavenworth RWD#7.	M	4	Wildfire	In Progress	Operations, Leavenworth RDW7	Cost: Staff Time Funds: District Funds Completion Date: 2022



6.8.50 – Wyandotte County Mitigation Actions

Table 6.56: Wyandotte County Mitigation Actions

Action Identification	Description	Overall Priority	Goal(s) Addressed	Hazard Addressed	Status	Responsible Entity	Estimated cost, Funding Source, and Completion Date
Wyandotte – 1	NFIP - Develop alternative ways to better monitor, in real-time, water levels of the Kansas & Missouri Rivers, Turkey Creek and other smaller streams / tributaries throughout the county for the purposes of advance planning, response & warning.	H	1,2, 4	Flood	In Progress 10% complete	Emergency Management Director	Cost: \$10,000 Funds: FEMA Completion Date: 2 – 5 years
Wyandotte – 2	Adopt building codes to require safe rooms in residential structures and public buildings, including schools.	H	1,2	Windstorm, Tornadoes	In Progress Residential is in code now. Schools and Public buildings is on-going	UG Planning Department working with UG Commissioners and Bonner Springs, KS and Edwardsville, KS Planning and Zoning	Cost: Staff Time Funds: Grants, local Funding, individual Funding. Completion Date: 3 – 10 years
Wyandotte – 3	Work with large venues to ascertain the best available locations to direct their visitors/fans to in case of the need for sheltering. Emphasize the need for each large venue (and those to be constructed) to provide adequate sheltering from storms (tornadoes, hail, lightning, etc.,) as a minimum within their design or added as a retrofit.	H	1,2	All Hazards	In Progress Some venues have developed plans that identify shelter areas, others have not.	Emergency Management Director	Cost: Project Dependent, Staff Time Funds: Local, large venue funds, grant Funding Completion Date: 3 – 10 years
Wyandotte – 4	Continued operation and management of jurisdictional NFIP activities.	H	1,2	Flood	On Going	Flood Plain Manager (Planning Department), County Emergency Management	Cost: Staff Time Funds: Local Completion Date: Continuous
Wyandotte – 5	NFIP - Purchase flood prone properties. Especially repetitive loss properties.	H	1,2	Flood	On Going	Wyandotte county Emergency Management Director	Cost: Project Dependent Funds: Federal HMGP, Local, Combination of both Completion Date: Continuous
Wyandotte – 6	Provide back-up generators for critical facilities within the county. The County	H	1,2	All Hazards	In Progress	Emergency Management Director	Cost: \$3,000,000 Funds: Grant, Local



Table 6.56: Wyandotte County Mitigation Actions

Action Identification	Description	Overall Priority	Goal(s) Addressed	Hazard Addressed	Status	Responsible Entity	Estimated cost, Funding Source, and Completion Date
	has 57 facilities that require backup power to function should line power be lost.				Some facilities have installed generators (Fleet, Dispatch) and others are waiting for Funding		Completion Date: Continuous
Wyandotte – 7	Develop low water plans for utilities, businesses and organizations dependent on the water supply from the rivers.	H	1,2,4	Drought	Not Started,, Lack of Funding	Emergency Management Department director	Cost: \$100,000 annually Funds: Local Completion Date:
Wyandotte – 8	NFIP - Protect or relocate flood prone critical facilities.	H	1,2	Flood	On Going	Emergency Management Department Director	Cost: Project Dependent Funds: Local, Grant Completion Date: One to several years – depending on the prevention method(s) chosen to be used, and/or the need to relocate the critical facility.
Wyandotte – 9	NFIP - Build bridges and/or raise roads in low-lying areas.	H	1,2	Flood	On Going	UG Public Works Street Department Director	Cost: Project Dependent Funds: Local, CMIP, Excise Taxes, Grants Completion Date: Continuous
Wyandotte – 10	Expand and improve outdoor warning system network in Wyandotte County.	H	1,2	Windstorm, Tornadoes	In Progress Typically one new siren is installed each year	Emergency Management Director	Cost: \$25,000 to \$50,000 per siren, plus on-going annual required maintenance. Funds: Grants, HMIP, revenue-sharing, other local funds. Completion Date: Continuous



Table 6.56: Wyandotte County Mitigation Actions

Action Identification	Description	Overall Priority	Goal(s) Addressed	Hazard Addressed	Status	Responsible Entity	Estimated cost, Funding Source, and Completion Date
Wyandotte – 11	Continue Participation in the StormReady Community Certification Program thru the National Weather Service.	H	3,4	All Hazards	On Going	Emergency Management Director	Cost: Staff Time Funds: Local Completion Date: Continuous
Wyandotte – 12	Provide public education sessions on extreme temperature (heat / cold) conditions.	H	1,2,3,4	Extreme Temperatures	In Progress With emphasis on social media and web based information	Emergency Management & Public Health Departments Directors	Cost: Program size dependent Funds: Grants, local, combination Completion Date: Continuous
Wyandotte – 13	Promote NOAA all-hazards weather radios and support the KC Metro Region’s “Project Community Alert” all-hazards weather radio program.	H	1,2,3,4	All Hazards	In Progress The PCA is in hiatus due to Lack of Funding	Emergency Management Department Director	Cost: Program size dependent Funds: Grants, local, combination Completion Date: Continuous
Wyandotte – 14	Provide public education sessions on how to protect from, prepare for, respond to, and recover from tornados and severe weather.	H	1,2,3	Tornados	In progress Public presentations are provided ad hoc	Emergency Management Department Director	Cost: Program size dependent Funds: Grants, local, combination Completion Date: Continuous
Wyandotte – 15	Provide public education sessions on winter weather driving.	H	1,2,3	Winter Storms	In progress Public presentations are provided ad hoc	Emergency Management Department Director	Cost: Program size dependent Funds: Grants, local, combination Completion Date: Continuous
Wyandotte – 16	Provide public education sessions on the dangers of lightning.	H	1,2,3	Lightning	In progress Public presentations are provided ad hoc	Emergency Management Department Director	Cost: Program size dependent Funds: Grants, local, combination Completion Date: Continuous
Wyandotte – 17	Provide public education sessions to encourage ALL citizens to have a disaster	H	1,2,3	All Hazards	In progress	Emergency Management Department Director	Cost: Program size dependent



Table 6.56: Wyandotte County Mitigation Actions

Action Identification	Description	Overall Priority	Goal(s) Addressed	Hazard Addressed	Status	Responsible Entity	Estimated cost, Funding Source, and Completion Date
	kit which contains food, water, flashlight, batteries, battery operated radio, medications, etc.				Public presentations are provided ad hoc		Funds: Grants, local, combination Completion Date: Continuous
Wyandotte – 18	Continue review / revision of the Wyandotte County Emergency Operations Plan (EOP).	H	4	All Hazards	In Progress Monthly meetings are held to review each CEOP Annex	Emergency Management Department Director	Cost: Staff Time Funds: Local Completion Date: Continuous
Wyandotte – 19	Develop and maintain a Continuity of Operations Plan (COOP) for the Unified Government.	H	1,2,3,4	All Hazards	Not Started, Lack of Funding	Wyandotte County emergency management Director	Cost: Staff Time Funds: Grant DHS, Federal & State Grants, Local, combination Completion Date: 1 to 1 ½ years after start.
Wyandotte – 20	Develop and maintain a Multi-Hazards Evacuation Plan.	H	1,2,3,4	All Hazards	In Progress Several key facilities have had plans developed	Wyandotte County Emergency Management Director	Cost: \$400,00 Funds: DHS Grant, Federal and State Grants, Local, combination Completion Date: 1 to 1 1/2 years after start.
Wyandotte – 21	NFIP - Conduct removal of debris from floodways to mitigate floodwater back-up.	H	1,2	Flood	On Going	Public Works Department Director	Cost: Project Dependent Funds: Local, Grant Completion Date: Continuous
Wyandotte – 22	Coordinate with NASCAR to develop a formal emergency response plan for the Kansas Speedway...	H	1,2	All Hazards	Not Started, Lack of Funding	Emergency Management Director	Cost: \$30,000 Funds: NASCAR Completion Date: 3 months
Wyandotte – 23	NFIP - Continue Participation in the Community Emergency Response Team (CERT) program by recruiting, training, equipping and fielding CERT Teams.	H	1,2,3	Flood	On Going	Emergency Management Director	Cost: \$4,000 per class of 25 Funds: Grant, Local, Individual, combination Completion Date: Continuous



Table 6.56: Wyandotte County Mitigation Actions

Action Identification	Description	Overall Priority	Goal(s) Addressed	Hazard Addressed	Status	Responsible Entity	Estimated cost, Funding Source, and Completion Date
Wyandotte – 24	Construct a boat ramp to the Kansas River near the I-435 Bridge for joint use by KDOT, local law enforcement and fire departments, and other potential first responders.	H	1,2	All Hazards	Not Started, Lack of Funding	UG Public Works Department Director	Cost: \$100,000 Funds: HMGP, DHS Grant, CMIP, local Completion Date: 2 – 5 years
Wyandotte – 25	Construct a boat ramp to the Kansas River beneath the Turner Diagonal Bridge and 7 th St. for joint use by KDOT, local law enforcement and fire departments, and other potential first responders.	H	1,2	All Hazards	In Progress 50% complete 7 th Street ramp is done	UG Public Works Director	Cost: \$60,000 Funds: HMGP, DHS Grant, CMIP, local Completion Date: 2 – 5 years
Wyandotte – 26	Establish priority reconnects with local utility companies after outages created by severe storms or other type incidents.	H	1,2	Utility/ Infrastructure Failure	In Progress all three of the power providers have priority reconnect lists but the data must be maintained	County Emergency Management Director/all utilities in Wyandotte County	Cost: Staff Time Funding: Local, State Completion Date: 6 month – 2 years
Wyandotte – 27	Establish periodic reviews / updates of Wyandotte County Multi-Jurisdictional All-Hazards Mitigation Plan, conducting a major review every five years.	H	1,2	All Hazards	On Going	Wyandotte County Emergency Management Director	Cost: Staff Time Funds: Local Completion Date: On-going
Wyandotte – 28	Adopt / implement / enforce building code standards for the installation of lightning protection systems.	H	1,2	Lightning	In Progress UG has done this. BS and Edwardsville in progress	UG, Bonner Springs, Edwardsville Planning Departments, Director of Neighborhood Resource Center	Cost: Staff Time Funds: Local Completion Date: 2 – 5 years
Wyandotte – 29	Create a public notification system to alert the public about an epidemic and how to prevent or treat the disease.	H	1,2,4	Major Disease Outbreak	Complete Current plans call for the use of mass media to share this information	Wyandotte County Emergency Management Director, Wyandotte county Public Health Department Director	Cost: \$500,000 Funds: Federal, State Grant Funding through DHS/MMRS Local, combination Completion Date: 6 months – 1 ½ years



Table 6.56: Wyandotte County Mitigation Actions

Action Identification	Description	Overall Priority	Goal(s) Addressed	Hazard Addressed	Status	Responsible Entity	Estimated cost, Funding Source, and Completion Date
Wyandotte – 30	Offer / provide Damage Assessment Team training annually for designated damage assessment personnel.	H	4	All Hazards	In Progress Local codes officials are trained on this and refreshed with JIT training pre-deployment	Wyandotte County Emergency management Director	Cost: Staff Time Funds: KDEM, IAW FEMA guidelines Completion Date: Continuous
Wyandotte – 31	Identify large venues, ball fields, parks and other areas countywide for installation of lightning detectors and develop a program for their installation.	H	1,2	Lightning	In Progress Lightning detection systems have been installed at the Adult and Youth Soccer Training facilities.	Wyandotte County emergency Management Director	Cost: \$5,000,000 Funds: HMGP, DHS Grant, Local, Combination Completion Date: 1 – 3 years
Wyandotte – 32	Partner with local school districts to ensure they have coordinated, well-prepared plans for school evacuations and sheltering-in-place.	H	1,2,3,4	All Hazards	Not Started, Lack of Funding	Wyandotte County Emergency Management Director	Cost: Staff Time Funds: Local Completion Date: Continuous, on-going. Wyandotte County has gotten with the districts, however, as plan are revised the cycle begins over.
Wyandotte – 33	Support the continuation of Tabletop, Functional and Full-Scale Exercises and other training events for responders and support personnel.	H	1,2,4	All Hazards	In Progress Routinely Wy Co EMA participates in 5 to 7 exercises per year with at least 2 being	Wyandotte County Emergency management Director	Cost: Staff Time Funds: SHSG, UASI, County, EMPG, HMEP Completion Date: Continuous



Table 6.56: Wyandotte County Mitigation Actions

Action Identification	Description	Overall Priority	Goal(s) Addressed	Hazard Addressed	Status	Responsible Entity	Estimated cost, Funding Source, and Completion Date
					functional or full scale		
Wyandotte – 34	Create a method for parents to reach their children during disaster emergencies.	H	4	All Hazards	Not Started, Lack of Funding	Wyandotte County Emergency Management Director	Cost: \$250,000 annually Funds: NA Completion Date: Continuous
Wyandotte – 35	Involve the Local Emergency Planning Committee (LEPC) in all hazard identification and response / recovery / mitigation planning.	H	4	All Hazards	In Progress Wy Co is a member of the Mid America Regional LEPC and participates in the planning process there.	Wyandotte County Emergency Management Director	Cost: Staff Time Funds: Local Completion Date: Continuous
Wyandotte – 36	Provide public education sessions on aggressive smoke detector installation.	H	3	Wildfire	In Progress In partnership with Red Cross provide and install smoke detectors	Kansas City, Kansas fire Department, Bonner Springs, Edwardsville, and Fire Inspector	Cost: Provided by ARC Funds: Unknown Completion Date: Continuous
Wyandotte – 37	NFIP - Upgrade / expand / improve storm water Management Systems.	H	1,2	Flood	In Progress	UG Water Pollution Control, Public Works Departments of Bonner springs, Edwardsville, and Lake Quivira	Cost: \$50,000,000 to \$10,000,000 Funding: Grant, Local, combination Completion Date: Continuous
Wyandotte –38	Develop / improve early warning system and work with Media Partners / Outlets to ensure that the same, clear, consistent message is being sent out by everyone	H	3,4	All Hazards	In Progress Wy Co PIO group has been established to address this issue	Wyandotte county Emergency Management Director	Cost: Staff Time Funds: Local Completion Date: Continuous



Table 6.56: Wyandotte County Mitigation Actions

Action Identification	Description	Overall Priority	Goal(s) Addressed	Hazard Addressed	Status	Responsible Entity	Estimated cost, Funding Source, and Completion Date
Wyandotte – 39	Create and deliver seminars / training on planning for special event venues to include all hazard events, emergency response plans and continuity of business plans.	H	1,2,4	All Hazards	In Progress Training is scheduled for Feb 2019 to address this	Wyandotte County emergency Management Director	Cost: \$20,000 Funds: Grants, Donations, Local Completion Date: TBD
Wyandotte – 40	Invite critical organizations to be part of the KC TEW for advance notification of terrorist activity in the area.	H	1,2,3,4	Terrorism/Agri-Terrorism	In Progress	Wyandotte County Sheriff's Chief & KCK Police Department	Cost: Staff Time Funds: Local Completion Date: Continuous
Wyandotte – 41	Develop / maintain an Early Warning System to notify the Public on potential Haz-Mat dangers integrating it with existing early warning capabilities.	H	1,2,4	Hazardous Materials	Not Started, Lack of Funding	Wyandotte County emergency Management Director	Cost: \$150,000 annually Funds: DHS Grant, Local, Combination Completion Date: 1 – 3 years
Wyandotte – 42	Develop / maintain an Early Warning System to notify Hospitals and other critical facilities of impending hazard threats integrating it with existing early warning capabilities.	H	1,2,4	All Hazards	Not Started, Lack of Funding	Wyandotte County Emergency Management Director	Cost: \$150,000 annually Funds: DHS Grant, Local, combination Completion Date: 1 – 3 years
Wyandotte – 43	Implement usage of electronic signs on highways to notify motorists of weather warnings and other hazards.	H	1,2, 4	All Hazards	In Progress We would use the SCOUT sign system to do this	Wyandotte County Emergency Management Director	Cost: Staff Time Funds: KDOT / MoDOT Completion Date: 6 month – 1 ½ years
Wyandotte – 44	NFIP - Update all Flood Insurance Maps.	H	1,2	Flood	Not Started, Lack of Funding	UG Planning Department Director	Cost: \$250,000 Funds: Local and grants Completion Date: 6 months – 1 ½ years
Wyandotte – 45	NFIP - Notify all homeowners and businesses in flood prone areas of their possible risk.	H	1,2	Flood	In Progress	UG Planning and Zoning Department; Bonner springs and Edwardsville Planning Departments	Cost: Staff Time Funds: Local Completion Date: 1 – 2 years
Wyandotte – 46	Require fixed HazMat facilities to have their emergency response procedures coordinated with the city and county first responder plans.	H	1,4	Utility/ Infrastructure Failure	In Progress This is done when Fire	Wyandotte County Emergency Management Director	Cost: Staff Time Funds: Local Completion Date: 1+ years



Table 6.56: Wyandotte County Mitigation Actions

Action Identification	Description	Overall Priority	Goal(s) Addressed	Hazard Addressed	Status	Responsible Entity	Estimated cost, Funding Source, and Completion Date
					Depts meet with facilities		
Wyandotte – 47	Identify and develop a list of those areas susceptible to explosive fires, such as grain elevators, etc., and map them.	M	1,2	Wildfire	On going Mapped in our GIS department	Wyandotte County emergency Management Director	Cost: Staff Time Funds: DHS Grant, Local, combination Completion Date: 1 – 3 years then continuous.
Wyandotte – 48	Develop a Memorandum of Understanding (MOU) with/between area building departments for post-disaster damage assessment.	M	4	All Hazards	Not Started, Lack of Funding	Wyandotte County Emergency Management Director	Cost: Staff Time Funds: DHS Grant, Local, combination Completion Date: 6 month – 1 years then continuous
Wyandotte – 49	Map all geological hazards countywide and make this information available. Identify and map specific underground void space areas prone to collapse failure and limit future development in these areas.	M	1,2	All Hazards	Not Started, Lack of Funding	Map all geological hazards countywide and make this information available. Identify and map specific underground void space areas prone to collapse failure and limit future development in these areas.	Cost: \$50,000 annually Funds: DHS Grant, Local, Combination Completion Date: Continuous
Wyandotte – 50	Provide preparedness planning training and information for small business owners.	M	3	All Hazards	Not Started, Lack of Funding	Provide preparedness planning training and information for small business owners.	Cost: \$5,000 Funds: Grants, Corporate Sponsors Completion Date: TBD
Wyandotte – 51	Develop and enforce building restrictions in dam inundation areas.	M	1,2	Dam and Levees	Not Started, Consider moving to Urban Planning and Land Use	Wyandotte County Emergency Management Director	Cost: Staff Time Funds: None Completion Date: 1 – 5 years
Wyandotte – 52	NFIP - Install and maintain fog warning flashing lights and flash flood warnings (lights and signs) in low-lying and flood prone areas.	M	1,2	Flood	In Progress Lights and gates installed on Mill St at	Wyandotte County Emergency Management Director	Cost: \$100,000 per crossing Funds: Grant, Local, Combination Completion Date:



Table 6.56: Wyandotte County Mitigation Actions

Action Identification	Description	Overall Priority	Goal(s) Addressed	Hazard Addressed	Status	Responsible Entity	Estimated cost, Funding Source, and Completion Date
					Turkey Creek crossing		
Wyandotte – 53	Identify potential landslide areas and install reinforcement barriers to nullify potential disasters and protect infrastructure.	M	1,2	Landslides	Not Started, Lack of Funding	Wyandotte County Emergency Management Director, Public Works Departments of the UG, Bonner springs and Edwardsville	Cost: \$90,000 annually Funds: State, Federal, Local, Combination Completion Date: .2020
Wyandotte – 54	NFIP - Provide an early warning system on streams with the most potential for flood damage to structures.	M	1,2	Flood	In Progress Stream gauge installed at Mill St & Turkey Creek crossing	Wyandotte County Emergency Management Director	Cost: \$50,000 each Funds: HMGP, DHS Grants, Local Completion Date: 3 – 5 years
Wyandotte – 55	Identify critical businesses and public service agencies and work to ensure their Continuity of Operations during / following a disaster.	M	4	All Hazards	Not Started, Lack of Funding	Wyandotte County Emergency Management Director	Cost: \$100,000 annually Funds: HMGP, DHS Grants, Local, Individual business/agency Funding or donations, combination Completion Date: 2 – 5 years
Wyandotte – 56	Create / develop and maintain a plan for pet and livestock rescue, care and sheltering during / following disasters.	M	2	All Hazards	Not Started, Lack of Funding	Wyandotte County Emergency Management Director	Cost: Staff Time Funds: DHS Grants, Local, State, Federal Completion Date: 2 – 5 years
Wyandotte – 57	Develop / review / update EAPs for High & Significant hazard dams in Wyandotte County.	M	1,2	Dams and Levees	In Progress Plans are reviewed as received	Owner of Dam – UG Urban Planning and KS Dept of AG	Cost: Staff Time Funds: Individual owner Completion Date: 6 months after start of plan
Wyandotte - 58	Develop a vaccination strategy and a hospital mass prophylaxis plan.	H	1,2	Major Disease Outbreak	Not Started, Lack of Funding	County, Manager Infection Control Director, Health Department, Administrator	Cost: TBD Funds: MMRS, and the SNS Completion Date: Continuous



6.8.51 –Bonner Springs Mitigation Actions (Wyandotte County)

Table 6.57: Bonner Springs Mitigation Actions

Action Identification	Description	Overall Priority	Goal(s) Addressed	Hazard Addressed	Status	Responsible Entity	Estimated cost, Funding Source, and Completion Date
Bonner Springs - 1	Conduct a study and complete the recommended detention actions along Mission Creek north of Kaw Dr. (K-32) near Shawnee Rock.	H	1,2	Flood	Not Started, Lack of Funding	City of Bonner Springs, City Planner/Floodplain Administrator, Public Works Director	Cost: \$500,000 Funds: FEMA, Local, combination Completion Date: 1 – 3 years
Bonner Springs - 2	Continued operation and management of jurisdictional NFIP activities.	H	1,2,4	Flood	In Progress	Bonner springs Planning Department, City Planning Director	Cost: Staff Time Funds: Local Completion Date: Continuous
Bonner Springs - 4	Purchase and mount a camera at Fire Department for storm monitoring.	H	1,2	Hailstorm, Lightning, Tornado, Windstorm, Winter Storm	Not Started, Lack of Funding	Bonner springs Fire Department, Fire Chief, and WYCO Emergency Management Director	Cost: \$10,000 Funds: Local, State Completion Date: 1 year
Bonner Springs - 5	Complete Continuity of Operations plans for the City of Bonner Springs Government utilizing a contractor.	H	1,4	All Hazards	Not Started, Lack of Funding	City of Bonner springs City Manager	Cost: \$15,000 Funds: State, Local Completion Date: 2020
Bonner Springs - 6	Develop family preparedness handbook in multiple languages and promote family preparedness planning with brochures, website and community outreach. Evaluate program outcomes with surveys and website	H	1,2,3	All Hazards	Not Started, Lack of Funding	City of Bonner Springs, City Manager	Cost: \$50,000 Funds: DHS Grant, UASI Homeland Security Funds Completion Date: 2021
Bonner Springs - 7	NFIP - Provide public education sessions on the Turn Around Don't Drown program.	H	1,2,3	Flood	Not Started, Lack of Funding	City of Bonner Springs Fire Department Fire Chief	Cost: \$2,000 Funds: Corporate Sponsors Completion Date: 2020
Bonner Springs - 8	NFIP - Conduct Spring Creek storm drainage improvements to address flooding that occurs as a result of inadequate drainage. Replace and construct additional culverts to reduce flooding.	M	1,2	Flood	Not Started, Lack of Funding	City of Bonner Springs Public Works Director	Cost: \$1,900,000 (Project Dependent) Funds: Local, State, Grant Completion Date: 2022



Table 6.57: Bonner Springs Mitigation Actions

Action Identification	Description	Overall Priority	Goal(s) Addressed	Hazard Addressed	Status	Responsible Entity	Estimated cost, Funding Source, and Completion Date
Bonner Springs - 9	NFIP - Conduct Spring Creek storm drainage / Springdale Avenue to Morse Avenue stream bank improvements.	M	1,2	Flood	Not Started, Lack of Funding	City of Bonner Springs Public Works Director	Cost: \$782,700 (Project Dependent) Funds: FEMA HMGP, other Grants Completion Date: 2022
Bonner Springs - 10	Develop procedures to activate the Emergency Alert System (EAS) and National Weather Service (NWS) All Hazard Radios for chemical events, exercise the program, and Review After Action and make any necessary changes	M	1,2,4	Hazardous Materials	Not Started, Lack of Funding	City of Bonner Springs Police Chief and Fire Chief	Cost: Staff Time Funds: Local Completion Date: 2022
Bonner Springs - 11	NFIP - Institute a streambank setback ordinance controlling development along streambanks.	M	1,2,4	Flood	Not Started, Lack of Funding	City of Bonner Springs City Planning Director	Cost: Staff Time Funds: Local Completion Date: 2021
Bonner Springs - 12	NFIP - Provide hydrologic and hydraulic analysis and storm drainage improvement design along Wolf Creek watershed.	L	2	Flood	Not Started, Lack of Funding	City of Bonner Springs City Planning Director	Cost: \$100,000 Funds: FEMA HMGP, County Completion Date: 2021
Bonner Springs - 13	NFIP - Conduct improvements needed to address the undersized drainage features in the Clark Area Drainage Watershed.	L	2	Flood	Not Started, Lack of Funding	City of Bonner Springs Public Works Director	Cost: \$1,1753,000 (Project Dependent) Funds: FEMA HMGP, other Grants Completion Date: 2022
Bonner Springs - 14	Design and deliver a Shelter-in-Place program to educate individuals on how to receive notification regarding a chemical incident and necessary actions to take.	L	3	Hazardous Materials	Not Started, Lack of Funding	City of Bonner Springs Police Chief and Fire Chief	Cost: \$7,500 Funds: Local Completion Date: 2020



6.8.52 –Edwardsville Mitigation Actions (Wyandotte County)

Table 6.58: Edwardsville Mitigation Actions

Action Identification	Description	Overall Priority	Goal(s) Addressed	Hazard Addressed	Status	Responsible Entity	Estimated cost, Funding Source, and Completion Date
Edwardsville - 1	Continued operation and management of jurisdictional NFIP activities.	H	1,2	Flood	In Progress	City of Edwardsville, City Administrator	Cost: Staff Time Funds: Staff Time Completion Date: Continuous
Edwardsville - 2	Purchase and install generator at Community Center.	H	1,2	Extreme Temperatures, Earthquake, Flood, Utility Failure, Windstorm, Winter Storm	Not Started, Lack of Funding	City of Edwardsville, City Administrator	Cost: \$13,500 Funds: FEMA HMGP, Local, In-Kind Completion Date: 1 year
Edwardsville - 3	Development of the North Fire Station into a remote facility that will support continuation of City Services. Renovation of the facility, purchase and installation of necessary equipment to make the North Fire Station operable for all services of the city.	M	4	All Hazards	Not Started, Lack of Funding	City of Edwardsville, Fire Department Chief	Cost: Project Size Dependent Funds: DHS Grants, Assistance to Firefighters Grant Completion Date: 3 years
Edwardsville - 4	NFIP - Acquire and demolish properties in flood prone areas	H	1,2	Flood	New	City of Edwardsville, City Administrator	Cost: Varied Funds: FEMA HMGP, Local Completion Date: 2022



6.8.53 - USD #202 Mitigation Actions (Wyandotte County)

Table 6.59: USD#202 Mitigation Actions

Action Identification	Description	Overall Priority	Goal(s) Addressed	Hazard Addressed	Status	Responsible Entity	Estimated cost, Funding Source, and Completion Date
USD #202 - 1	Purchase and install camera system (or system updates) in all school district buildings.	H	1,2,4	Terrorism, Civil Disorder	Not Started, Lack of Funding	USD204, IT Department, Administration, Local Police Departments	Cost: \$70,000 Funds: Completion Date: 4 months after Funding is secured
USD #202 - 2	Design and construct safe rooms in all school district buildings.	H	1,2	Windstorm, Tornado	Not Started, Lack of Funding	USD 204 Superintendent	Cost: Funds: HMGP, In-kind Completion Date: Within 1 year of project approval
USD #202 - 3	Radios that will provide communications between School District staff and local Law Enforcement to establish a common operating picture and situational awareness and to meet the new Safe and Secure standards #3	H	2,4	Windstorm, Tornado	Not Started, Lack of Funding	USD 202 Superintendent	Cost: \$50,000 to \$100,000 Funds: HMGP, In-kind Completion Date: Within 1 year of project approval
USD #202 - 4	Design and construct an Outdoor Venue Storm Shelter	H	1	Windstorm, Tornado	Not Started, Lack of Funding	USD 202 Superintendent	Cost: \$50,000 to \$500,000 Funds: HMGP, In-kind Completion Date: Within 1 year of project approval
USD #202 - 5	Lightning Detection which will provide advance warning of potentially life threatening storms.	H	1,4	Windstorm, Tornado	Not Started, Lack of Funding	USD 202 Superintendent	Cost: \$50,000 to \$100,000 Funds: HMGP, In-kind Completion Date: Within 1 year of project approval



6.8.54 - USD #203 Mitigation Actions (Wyandotte County)

Table 6.60: USD#203 Mitigation Actions

Action Identification	Description	Overall Priority	Goal(s) Addressed	Hazard Addressed	Status	Responsible Entity	Estimated cost, Funding Source, and Completion Date
USD #203 - 1	Purchase and install camera system (or system updates) in all school district buildings.	H	1,2,4	Terrorism, Civil Disorder	Not Started, Lack of Funding	USD 203 Superintendent	Cost: \$70,000 Funds: Completion Date: 4 months after Funding is secured



6.8.55 - USD #204 Mitigation Actions (Wyandotte County)

Table 6.61: USD#204 Mitigation Actions

Action Identification	Description	Overall Priority	Goal(s) Addressed	Hazard Addressed	Status	Responsible Entity	Estimated cost, Funding Source, and Completion Date
USD #204 - 1	Purchase and install camera system (or system updates) in all school district buildings.	H	1,2,4	Terrorism, Civil Disorder	Not Started, Lack of Funding	USD204, IT Department, Administration, Local Police Departments	Cost: \$70,000 Funds: Completion Date: 4 months after Funding is secured
USD #204 - 2	Design and construct safe rooms in all school district buildings.	H	1,2	Windstorm, Tornado	Not Started, Lack of Funding	USD 204 Superintendent	Cost: Funds: HMGP, In-kind Completion Date: Within 1 year of project approval



6.8.56 - USD #500 Mitigation Actions (Wyandotte County)

Table 6.62: USD#500 Mitigation Actions

Action Identification	Description	Overall Priority	Goal(s) Addressed	Hazard Addressed	Status	Responsible Entity	Estimated cost, Funding Source, and Completion Date
USD #500 - 1	Design and construct safe rooms in all school district buildings.	H	1,2	Windstorm, Tornado	Not Started, Lack of Funding	USD 500 Superintendent	Cost: Funds: HMGP, In-kind Completion Date: Within 1 year of project approval
USD #500 - 2	Radios provide communications between School District staff, Transportation, and our Police Department to establish interoperability and situational awareness and to meet the new Safe and Secure standards #3	H	2,4	Windstorm, Tornado	Not Started, Lack of Funding	USD 500 Superintendent	Cost: \$250,000 to \$1,000,000 Funds: HMGP, In-kind Completion Date: Within 1 year of project approval
USD #500 - 3	Purchase backup generators for food production center, central office building(s), high schools, and middle schools for shelter and for all future school buildings.	H	1,2,4	All Hazards	Not Started, Lack of Funding	USD 500 Superintendent	Cost: \$750,000 Funds: HMGP, In-kind Completion Date: 12 months after funding is secured
USD #500 - 4	Lightning Detection which will provide advance warning of potentially life threatening storms.	H	1,4	Windstorm, Tornado	Not Started, Lack of Funding	USD 500 Superintendent	Cost: \$50,000 to \$100,000 Funds: HMGP, In-kind Completion Date: Within 1 year of project approval



6.8.57 – Kansas State School for the Blind Mitigation Actions (Wyandotte County)

Table 6.63: Kansas State School for the Blind Mitigation Actions

Action Identification	Description	Overall Priority	Goal(s) Addressed	Hazard Addressed	Status	Responsible Entity	Estimated cost, Funding Source, and Completion Date
KSSB - 1	Purchase back-up generators for all school buildings	H	1,2	Utility Failure, Windstorm, Winter Storm	In Progress Waiting for Funding	Unified Government, KSSB Superintendent	Cost: \$230,000 total Funds: FEMA HMGP Completion Date: 8 – 10 months
KSSB - 2	Provide vaccination services at on-site clinic using the qualified medical staff.	H	1,2	Major Disease Outbreak	In Progress	Unified Government, KSSB Superintendent	Cost: Staff Time Funds: FEMA Grant Completion Date: On-going
KSSB - 3	Create an all hazard staff and student evacuation plan and education students and staff on plan. Update plan on a yearly basis,	H	1,3,4	All Hazards	In Progress Requires renewal annually	Crisis Management Team and Emergency Management Department	Cost: \$185 for 20-40 handbooks Funds: In structural Operational Funding Completion Date: 2020



6.8.58 – Kansas City, Kansas Community College Mitigation Actions (Wyandotte County)

Table 6.64: Kansas City, Kansas Community College Mitigation Actions

Action Identification	Description	Overall Priority	Goal(s) Addressed	Hazard Addressed	Status	Responsible Entity	Estimated cost, Funding Source, and Completion Date
KCKCC - 1	Design and construct groundwater control runoff projects for KCKCC Campus.	M	1,2	Flood	Not Started, Lack of Funding	KCKCC Buildings and Grounds Department	Cost: \$100,000 Funds: College Funds Completion Date: 8 months.
KCKCC - 2	Develop Emergency Action Plans for the dam on the Kansas City Kansas Community College's campus.	M	1,2	Dam and Levees	Not Started, Lack of Funding	KCK Community college	Cost: \$50,000 Funds: Grants, Local, combination Completion Date: 1 – 1 ½ years



6.8.59 – University of Kansas Hospital Mitigation Actions (Wyandotte County)

Table 6.65: University of Kansas Hospital Mitigation Actions

Action Identification	Description	Overall Priority	Goal(s) Addressed	Hazard Addressed	Status	Responsible Entity	Estimated cost, Funding Source, and Completion Date
KU Hospital - 1	Construct Saferoom as part of new office complex construction and for any new facilities.	H	1,2	Windstorm, Tornado	Not Started, Lack of Funding	University of Kansas Hospital	Cost: \$120 sq. ft @ 5 ft per person Funds: FEMA Completion Date:



6.8.60 – University of Kansas Medical Center Mitigation Actions (Wyandotte County)

Table 6.66: University of Kansas Medical Center Mitigation Actions

Action Identification	Description	Overall Priority	Goal(s) Addressed	Hazard Addressed	Status	Responsible Entity	Estimated cost, Funding Source, and Completion Date
UK Medical Center - 1	Acquire audio and visual emergency equipment for exterior and interior grounds on campus.	H	1,2,4	All Hazards	Not Started, Lack of Funding	University Emergency Management Coordinator	Cost: \$50,000+ Funds: Grants and Internal Funding Completion Date: Approximately 2 years.
UK Medical Center - 2	Conduct regular emergency preparedness drills for higher education students, staff, and faculty, including fire drills and tornado drills.	H	1,3,4	All Hazards	Not Started, Lack of Funding	University Emergency Management Coordinator	Cost: \$2,500 Funds: Internally funded Completion Date: less than one year
UK Medical Center - 3	Design and construct saferooms at school and public buildings.	H	1,2	Tornado, Windstorm	Not Started, Lack of Funding	University Emergency Management Coordinator	Cost: \$100,000+ Funds: Grants and Internal Funding Completion Date: 5 years



6.8.61 – Wyandotte County Board of Public Utilities Mitigation Actions (Wyandotte County)

Table 6.67: Wyandotte County Board of Public Utilities Mitigation Actions

Action Identification	Description	Overall Priority	Goal(s) Addressed	Hazard Addressed	Status	Responsible Entity	Estimated cost, Funding Source, and Completion Date
Board of Public Utilities - 1	Install additional lightning arrestors on power infrastructure.	H	1,2	Lightning, Utility/ Infrastructure Failure	In Progress Limited by Lack of Funding	Board of Public Utilities and other utility companies	Cost: Funds: Grant, Local, Combination Completion Date: 1 – 5 years
Board of Public Utilities - 2	Provide public education sessions on energy consumption during extreme heat events; cooling center locations and free fan programs.	H	3	Extreme Temperatures, Utility/ Infrastructure Failure	In Progress Limited by Lack of Funding	Wyandotte County emergency Management Director	Cost: NA Funds: None Completion Date: Continuous
Board of Public Utilities - 3	Provide public education sessions on home improvement programs to conserve water and electricity usage to lower consumption during peak demand periods.	H	3	Utility/ Infrastructure Failure	In Progress Limited by Lack of Funding	Wyandotte County Emergency Management Director	Cost: NA Funds: NA Completion Date: Continuous
Board of Public Utilities - 4	Create Redundancy in Utility Distribution Lines (Loops) and Key Equipment at Production Facilities.	H	1,2	Utility/ Infrastructure Failure	In Progress Limited by Lack of Funding	Board of Public Utilities (BPU), KCP&L, Operations	Cost: Funds: Grant, Local, combination Completion Date: 3 – 5 years, then continuous.
Board of Public Utilities - 5	Upgrade power distribution systems through replacement of porcelain insulators and switches with polymer components.	M	1,2	Utility/ Infrastructure Failure	In Progress Limited by Lack of Funding	Board of Public Utilities and KCPL	Cost: Funds: Local Utility Funded, Grant Completion Date: 2022
Board of Public Utilities - 6	Strengthen, bury and/or upgrade utility power lines / distribution systems to reduce power failures.	H	1,2	Utility/ Infrastructure Failure	In Progress New developments are required to put local power lines underground.	Board of Public Utilities, KCP&L, other utilities as needed	Cost: \$20,000,000 to \$500,000,000 Funds: HMGP Funding/Local Match, Local Completion Date: Continuous



6.8.62 – Boy Scouts of America Mitigation Actions (Wyandotte County)

Table 6.68: Boy Scouts of America Mitigation Actions

Action Identification	Description	Overall Priority	Goal(s) Addressed	Hazard Addressed	Status	Responsible Entity	Estimated cost, Funding Source, and Completion Date
Boy Scouts of America - 1	Purchase and install an adequate communications system(s) for Scouts, Scouters and campers at Boy Scout Camp Theodore Naish, BSA.	High	4	All Hazards	Not Started, Lack of Funding	Wyandotte County Emergency Management Director	Cost: Funds: Grant Funding with in-kind match, contributions of local material, manpower & monetary resources. Completion Date:
Boy Scouts of America - 2	Flood Control Dam – To be installed on East Mission Creek above Lake of the Forest	High	4	Flooding	Not Started Lack of Funding	Wyandotte County Flood Plain Management Program	Cost: \$2 Million Funds: Grant funding and flood management funds.



6.8.63 – Kaw Valley Drainage District Mitigation Actions (Wyandotte County)

Table 6.69: Kaw Valley Drainage District Mitigation Actions

Action Identification	Description	Overall Priority	Goal(s) Addressed	Hazard Addressed	Status	Responsible Entity	Estimated cost, Funding Source, and Completion Date
Kaw Valley Drainage District - 1	Provide adequate communications & warning system(s) for Kaw Valley Drainage District.	H	1,2,4	Flood, Dam and Levee	Not Started, Lack of Funding	KVDD and County Emergency Management Department	Cost: Funds: FEMA, Local, combination Completion Date: 2022
Kaw Valley Drainage District - 2	Place/re-place riprap along the slopes of the Kaw Valley Drainage District's levees to protect them from erosive forces.	H	1,2	Flood, Dam and Levee	Not Started, Lack of Funding	Kaw Valley Drainage District	Cost: \$18,000,000 Funds: FEMA, Local, combination Completion Date: 2 years
Kaw Valley Drainage District - 3	Raise the top of the levees 4 – 5' in order to meet the requirements for the 500-year flood event.	H	1,2	Flood, Dam and Levee	Not Started, Lack of Funding	Kaw Valley Drainage District	Cost: \$250,000,000 Funds: FEMA, Local, Combination Completion Date: 10 years
Kaw Valley Drainage District - 4	Meet FEMA requirements relating to levee 100-year certification.	H	1,2	Flood, Dam and Levee	Not Started, Lack of Funding	Kaw Valley Drainage District	Cost: \$1,300,000 Funds: Federal, Local Completion Date: 2 years



6.8.64 – Fairfax Drainage District Mitigation Actions (Wyandotte County)

Table 6.70: Fairfax Drainage District Mitigation Actions

Action Identification	Description	Overall Priority	Goal(s) Addressed	Hazard Addressed	Status	Responsible Entity	Estimated cost, Funding Source, and Completion Date
Fairfax Drainage District - 1	Complete floodwall improvements at the Quindaro Power Plant owned by BPU by strengthening or replacing sections of the floodwall.	H	1,2	Flood, Dam & Levee	Not Started, Lack of Funding	Fairfax Drainage District General Manager	Cost: \$9,000,000 Funds: USACE, 65%, Local 35% Completion Date: 5 - 10 years



6.9 –Mitigation Actions No Longer Under Consideration

For this plan update, members of the MPC and participating jurisdictions were asked to consider if all previous mitigation actions were still viable. Actions deemed no longer viable were removed from consideration and are detailed below.

**Table 6.71: Johnson County and Participating Jurisdictions
Removed Hazard Mitigation Actions**

Jurisdiction	Action Description	Rationale for Removal
Johnson County	Educate the public on the impacts of all hazards through all means necessary in order to facilitate mitigation techniques to reduce the impacts of hazards.	Program Oriented
Johnson County	All-Hazard education for mitigation, preparedness, response, & recovery. The County will work with all citizens and businesses to help them understand the hazards and how to prepare themselves as well as how to mitigate hazards if possible	Program Oriented
Johnson County	Actively promote the purchase of private insurance to county residents	Program Oriented
Johnson County	Actively promote the purchase of crop insurance to county residents	Program Oriented
Johnson County	Design and retrofit flood proof building in identified floodplains. Identify habitable buildings in the floodplain and/or are subject to flooding, prioritize locations, install/complete flood proofing techniques for buildings as Funding becomes available if buyout is not an option.	Not Feasible
Johnson County	Design and construct safe rooms in Private Non-Profit Schools.	Not a County Function
Johnson County	Provide homeowner education on wildfire mitigation in wildland-urban interface.	Program Oriented
Johnson County	Reduce hazardous fuels in prioritized wildfire risk areas.	Not Feasible

**Table 6.72: Leavenworth County and Participating Jurisdictions
Removed Hazard Mitigation Actions**

Jurisdiction	Action Description	Rationale for Removal
Leavenworth County	Establish a local reserve fund to augment the Leavenworth County GIS Department’s ability to monitor building trends and erosion patterns across the county through frequent aerial photography.	Local Funding

**Table 6.73: Wyandotte County and Participating Jurisdictions
Removed Hazard Mitigation Actions**

Jurisdiction	Action Description	Rationale for Removal
Wyandotte County	Ability to continue to provide outpatient Mental Health services to current consumers, as well as provide services to those affected	Program Oriented



**Table 6.73: Wyandotte County and Participating Jurisdictions
Removed Hazard Mitigation Actions**

Jurisdiction	Action Description	Rationale for Removal
Wyandotte County	Develop protocols for delivering vaccine / providing vaccinations.	Program Oriented
Wyandotte County	Provide public education sessions on public health and what actions to take to prepare for an event, prevent illness, and care for the ill.	Program Oriented
Wyandotte County	Provide public education sessions on public health and what actions to take to prepare for an event, prevent illness, and care for the ill.	Program Oriented
Wyandotte County	Enforce strict compliance on dam and levee deficiencies found during periodic inspections.	KDA Function
Wyandotte County	Provide public education sessions to encourage the use of grounded outlets and surge protectors in homes and businesses.	<u>No longer viable</u>
Wyandotte County	Adopt / enforce codes to bury utility lines in future developments.	Not Feasible
Wyandotte County	Create a website to allow citizens to communicate with each other following a large disaster.	Not Feasible
Wyandotte County	Encourage the use of flashing fire alarms for the hearing impaired.	Program Oriented
Wyandotte County	Prepare procedures and sites for decontamination.	Program Oriented
Wyandotte County	Use traffic simulations to predict evacuation problems and plan for these problems.	Not Feasible
Wyandotte County	Create and train volunteer search & rescue teams to support professional first responders.	Not Feasible
Wyandotte County	Provide public education sessions on hailstorm damage prevention.	Not Required
Wyandotte County	Identify the locations of special needs populations and develop a disaster early warning system for them.	Not Viable
Wyandotte County	Promote Wyandotte County Multi-Jurisdictional All-Hazards Mitigation Plan to the public.	Program Oriented
Wyandotte County	Continue review / revision of the Wyandotte County Metropolitan Medical Response System (MMRS) Plan.	MMRS Program No Longer Exists
Wyandotte County	Conduct periodic site visits to hazardous materials (Haz-Mat) critical facilities for familiarization with the facility and to determine site capabilities and limitations for response.	Program Oriented

6.10 – Action Implementation and Monitoring

44 CFR 201.6 (c)(3)(iii) An action plan describing how the actions identified in paragraph (c)(3)(ii) of this section will be prioritized, implemented, and administered by the local jurisdiction. Prioritization shall include a special emphasis on the extent to which benefits are maximized according to a cost benefit review of the proposed projects and their associated costs.



Kansas Region L and relevant participating jurisdictions are responsible for implementing their identified mitigation action(s). To foster accountability and increase the likelihood that actions will be implemented, every proposed action is assigned to an action champion. In general:

- The identified champion will be responsible for tracking and reporting on action status.
- The identified champion will provide input on whether the action as implemented is successful in reducing vulnerability.
- If the action is unsuccessful in reducing vulnerability, the identified champion will be tasked with identifying deficiencies and additional required actions.

Additionally, each action has been assigned a proposed completion timeframe to assist in tracking the continued viability of the action if not completed, and to assist participating jurisdictions in potentially programming Funding to complete the actions.

In general, each participating jurisdiction, along with the MPC, is responsible for monitoring the progress of mitigation activities and projects. To facilitate the tracking of mitigation actions the Kansas Region L MPC and KDEM, in conjunction with participating jurisdictions, will compile a list of projects funded and completed. Additionally, the MPC and participating jurisdictions will be solicited annually to provide information on any other mitigation projects that were not funded through hazard mitigation grants for tracking and update purposes.

To track mitigation projects from initiation to closeout, participating jurisdictions will use a project tracking methodology that includes, at a minimum, the following information:

- Applicant data
- Grant identifier
- Award date
- Awarded contractor
- Period of Performance
- Total project cost, including local share of project
- Quarterly Reports

Upon completion of a project the awarded participating jurisdiction will conduct a closeout site visit to:

- Review all project documents
- Review all procurement documents and contracts
- Photograph completed project

Project closeout packages will generally be submitted no more than 90 days after a project has been completed, and should include the following:

- All available documentation
- Photographs of completed project
- Materials, labor and equipment documentation
- Close-out certification



6.11 – Jurisdictional Compliance with NFIP

44 CFR 201.6 (c)(3)(ii) All plans approved by FEMA after October 1, 2008, must also address the jurisdiction's participation in the NFIP, and continued compliance with NFIP requirements, as appropriate.

Participating jurisdictions are committed to continued involvement and compliance with the NFIP. To help facilitate compliance, each participating jurisdiction:

- Adopts floodplain regulations through local ordinance
- Enforces floodplain ordinances through building restrictions as detailed in relevant ordinance
- Regulates new construction in Special Flood Hazard Areas as outlined in their floodplain ordinance
- Utilizes FEMA FIRMs
- Monitors floodplain activities

Currently, no participating jurisdiction has available funding to complete local requests for floodplain map updates. Additionally, as of this plan, there are no active community assistance or monitoring activities occurring in any participating jurisdiction. Key to achieving across the board reduction in flood damages is a robust community assistance, education and awareness program. As such, Kansas Region L and its participating jurisdictions will continue to develop both electronic (including social media) and in person outreach activities.

Specific mitigation actions supporting regional commitment to both the NFIP and potential CRS application and compliance were identified above with a bold type **NFIP** in the subsequent mitigation action sections.

6.12 –Flood Loss Mitigation Strategy

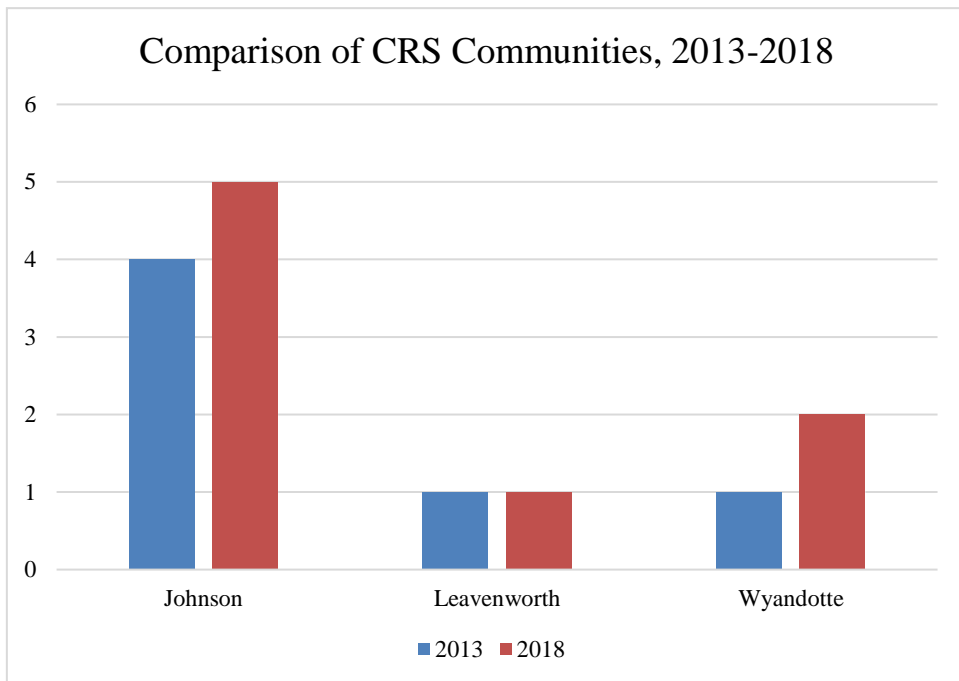
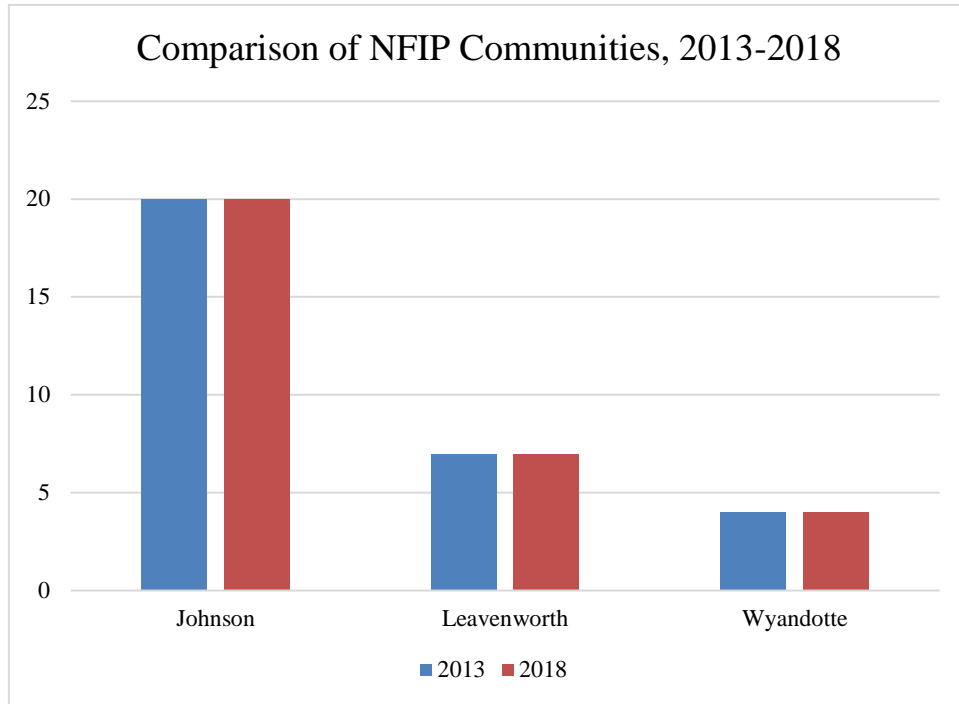
Kansas Region L has a long-standing commitment to the reduction of losses caused by flooding. The following section provides an overview of this commitment and further details strategies to continue decreasing both vulnerability and losses.

As part of the commitment and long-term strategy to minimizing flood losses, Kansas Region L prioritizes membership and adherence to the requirements of the NFIP.

The following graphs illustrate the comparison of the number of NFIP and CRS communities from 2013 to 2018. Of note:

- The number of NFIP communities in the region remained the same, with no communities dropping out of the program
- The number of CRS communities increased during the five-year span





As part of a continuing strategy, and as noted in detailed mitigation actions, the State of Kansas, Kansas Region L, and regional counties continue to stress the importance of participation in the NFIP. Strategies to increase program enrollment include:

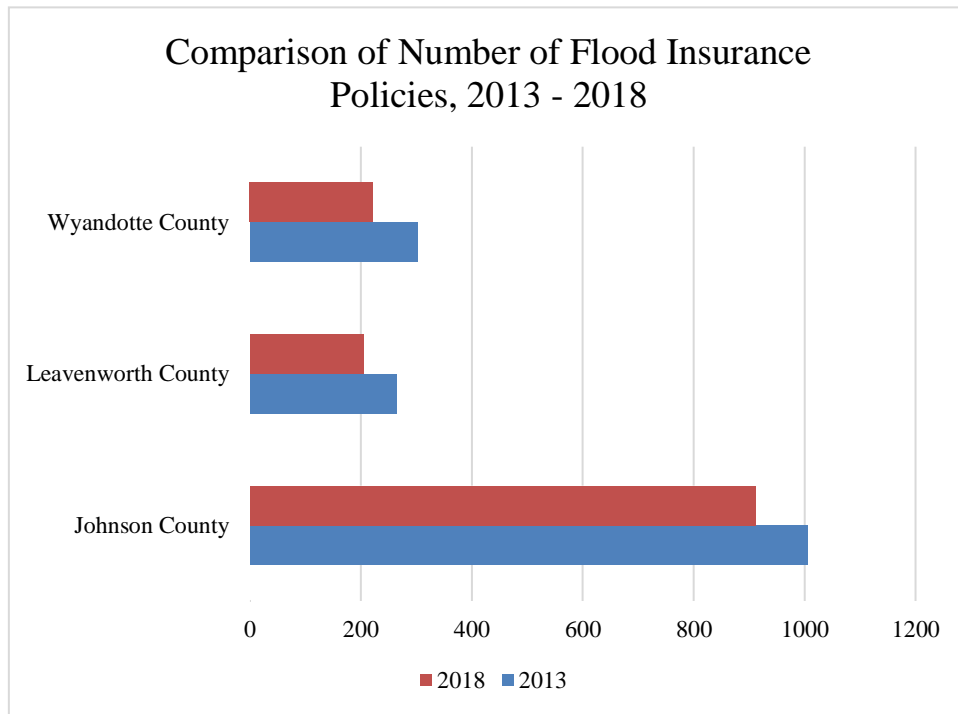
- Continued technical assistance from KDEM to communities participating, and wishing to participate in the NFIP

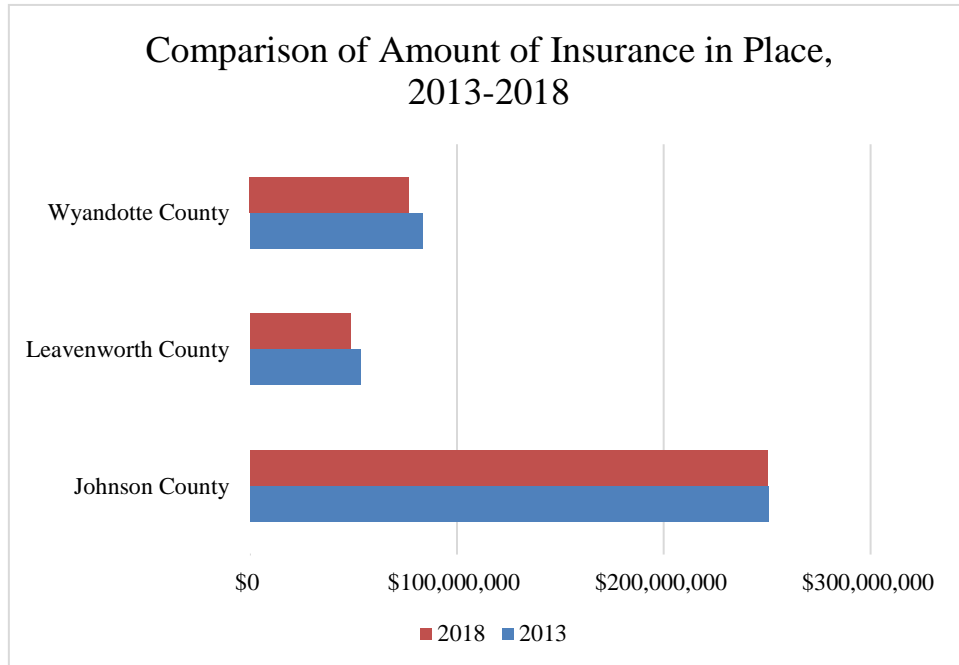


- Continued technical assistance from KDEM to communities participating, and wishing to participate in the CRS program
- Continued provision of details concerning these programs at local and regional meetings

Additionally, Kansas Region L communities actively encourage the purchase of flood insurance by homeowners. The following graphs illustrate both the number of policies in force, and the amount of coverage provided by those policies. Of note:

- The number of flood insurance policies decreased during the five-year period of 2013 to 2018
- The amount of coverage provided by these policies decreased during the five-year period of 2013 to 2018





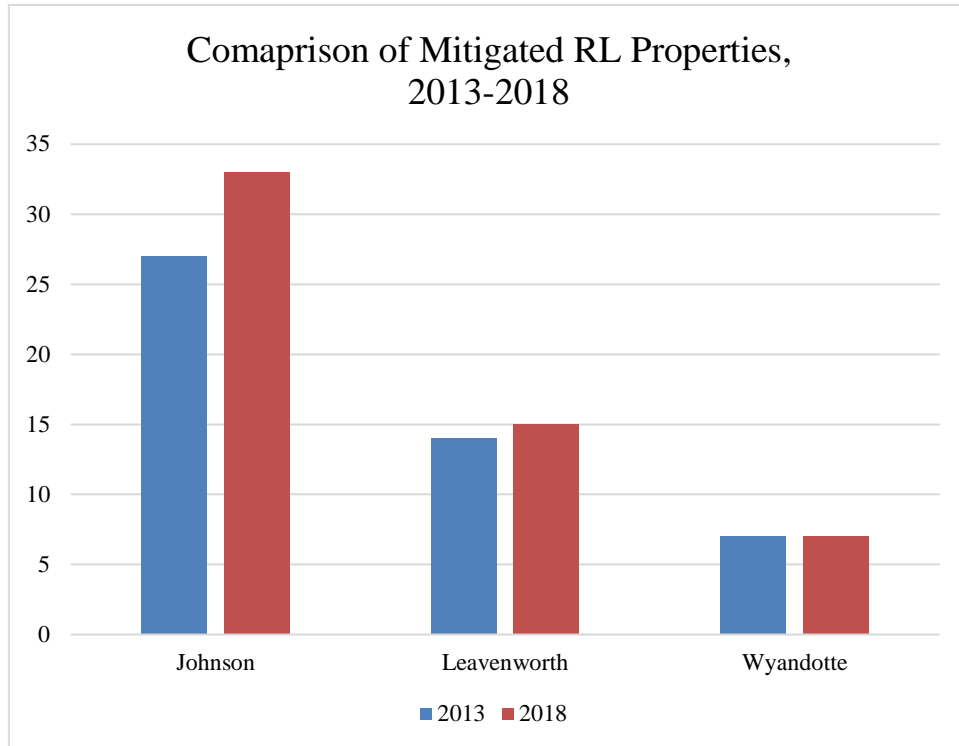
As part of a continuing strategy, and as noted in detailed mitigation actions, Kansas Region L jurisdictions continue to stress the importance of flood insurance. Strategies to increase insurance coverage include:

- Continued technical assistance from Kansas Region L jurisdictions to assist homeowners with insurance questions
- Continued public outreach and education programs to stress the importance and accessibility of flood insurance
- NFIP participation to allow for the purchase of flood insurance
- CRS participation to provide policy holders with pricing discounts

A further part of this commitment is the reduction of the number of RL and SRL properties within the region. The following graphs illustrate the comparison of the number of mitigated RL and SRL properties from 2013 to 2018. Of note:

- The number of mitigated properties increased by seven over the five-year period





Since the last plan update, no SRL properties have been mitigated. Kansas Region L continues to reach out to the all communities to help facilitate the mitigation of all SRL properties.

As part of a continuing strategy, and as noted in detailed mitigation actions, the State of Kansas, Kansas Region L, and regional jurisdictions continue to stress the importance of RL and SRL mitigation. Strategies to continue with RL and SRL mitigation include:

- Continued technical assistance from KDEM concerning RL and SRL properties
- Continued technical assistance form KDEM concerning available grant Funding opportunities for RL and SRL mitigation projects
- Continued enforcement of floodplain regulations and ordinances to minimize properties in identified floodplains

6.13 –Primary Mitigation Action Funding Sources

It is generally recognized that mitigation actions help communities realize long term savings by preventing future losses due to hazard events. However, many mitigation actions are beyond the budgetary capabilities a jurisdiction and Funding assistance, often in the form of grants, may be required. This following table provides a general description of some of the primary avenues available to jurisdictions to defray the cost of implementing mitigation actions.



Table 6.74: Primary Hazard Mitigation Funding Mechanisms

Program	Funding Agency	Funding Match Requirement	Program Description
Community Development Block Grant Program	Department of Housing and Urban Development	N/A	Program is a competitive grant process through which about half of the Funding goes to support the development of community facilities and water and sewer projects. grants in four categories, community improvement, urgent need, Kansas Small Towns Environment Program and economic development.
Federal Public Assistance	FEMA	Varied	Provides Funding used to restore the parts of a structure that was damaged during a disaster. The restoration must provide protection from subsequent events.
Federal Individual Assistance	FEMA	Varied	Provides assistance for qualified homeowners/renters whose primary residence was damaged or destroyed in a declared designated area.
Flood Mitigation Assistance	FEMA	Varied	Program provides Funding to States, Territories, federally recognized tribes and local communities for projects and planning that reduces or eliminates long-term risk of flood damage to structures insured under the NFIP. Funding is also available for management costs.
Hazard Mitigation Grant Program	FEMA	25%	Program is to ensure that the opportunity to take critical mitigation measures to reduce the risk of loss of life and property from future disasters is not lost during the reconstruction process following a disaster. Funding is available, when authorized under the Presidential Major Disaster Declaration, in the areas of the state requested by the governor. The amount of Funding available to the applicant is based upon the total federal assistance provided by FEMA for disaster recovery under the major disaster declaration.
Pre-Disaster Mitigation Program	FEMA	25%	Program is designed to assist states, territories, Indian tribal governments, and local communities to implement a sustained pre-disaster natural hazard mitigation program to reduce overall risk to the population and structures from future hazard events, while also reducing reliance on federal Funding from future major disaster declarations.

6.14 – Additional Hazard Mitigation Funding Mechanisms

A wide variety of federal and state agencies offer mechanisms for funding mitigation projects. A thorough, but by no means complete, list of potential mitigation funding sources are detailed in the following table along with a brief program description.

Table 6.75: Additional Potential Hazard Mitigation Funding Mechanisms

Department	Program	Program Description
FEMA	Fire Management Assistance Grant Program	Provides for the mitigation, management, and control of fires on publicly or privately-owned forests or grasslands. The process is initiated when the state requests federal assistance for an event where the threat of major disaster exists for either single fires or numerous small fires.



Table 6.75: Additional Potential Hazard Mitigation Funding Mechanisms

Department	Program	Program Description
FEMA	Risk Mapping, Assessment, and Planning (Risk Map)	The Risk MAP strategy incorporates Flood (NFIP) plain management with hazard mitigation by using tools such as DFIRMs, HAZUS reports, and risk assessment data to deliver quality data that increases public awareness and leads to action to reduce risk to life and property.
National Oceanic and Atmospheric Administration National Weather Service (NOAA NWS)	StormReady Program	StormReady is a voluntary program that was developed by NOAA NWS to help communities better prepare for and mitigate effects of all types of severe weather from tornadoes to Flood (NFIP)ing. The program encourages communities to take a new, proactive approach to improving local hazardous weather operations by providing emergency managers with clear-cut guidelines on how to improve their hazardous weather operations.
Mutual Aid	Kansas Water, Wastewater, Gas and Electric Utility Mutual Aid Program (KSMAP)	KSMAP has been developed to serve as the mutual aid program for Kansas utilities to help with provision of equipment, materials and personnel to assist in the restoration and continuation of utility service for those utilities needing assistance. The project is a joint effort of Kansas Municipal Utilities, Kansas Rural Water Association, the Kansas Section – American Water Works Association, the Kansas Water Environment Association, Kansas Corporation Commission, Kansas Department of Health & Environment and the Kansas Division of Emergency Management.
FEMA	Individual & Households, Other Needs Assistance (ONA) Program	The ONA program provides financial assistance to individuals or households who sustain damage or develop serious needs because of a natural or man-made disaster. The Funding share is 75% federal funds and 25% state funds. The program gives funds for disaster-related necessary expenses and serious needs, including personal property, transportation, medical and dental, funeral, essential tools, Flood (NFIP) insurance, and moving and storage. The current maximum allowable amount for any one disaster to individuals or families is \$25,000.
Council of Western State Foresters	Wildland Urban Interface (WUI) Grants	The WUI Grant may be used to apply for financial assistance towards hazardous fuels and educational projects within the four goals of: improved prevention, reduction of hazardous fuels, restoration of fire-adapted ecosystems and promotion of community assistance.
Small Business Administration	Disaster Loans	SBA disaster loans can be used to repair or replace the following items damaged or destroyed in a declared disaster: real estate, personal property, machinery and equipment, and inventory and business assets.
Kansas Department of Agriculture – Division of Conservation (KDA-DoC)	Multipurpose Small Lakes Program	Provides state cost-share assistance to a government entity for the construction or renovation of a dam for Flood (NFIP) control and water supply and/or recreational purposes. It requires a general plan of works and a local nonpoint source pollution control plan.
(KDA-DoC)	State Assistance to Watershed Dam Construction	Provides state cost-share assistance to a government entity for the construction or renovation of a dam for Flood (NFIP) control and water supply and/or recreational purposes. It requires a general plan of works and a local nonpoint source pollution control plan.



Table 6.75: Additional Potential Hazard Mitigation Funding Mechanisms

Department	Program	Program Description
(KDA-DoC)	Water Resources Cost Share Program	Provides state cost-share assistance to landowners for the establishment of enduring water conservation practices to protect and improve the quality and quantity of Kansas water resources.
KDA-DWR	Flood (NFIP)plain Management Program	Program provides technical assistance for local, state and federal Flood (NFIP)plain management, including managing the NFIP and Flood (NFIP)plain ordinances and regulations adopted by city and county governments.
Kansas Department of Commerce (KDC)	Community Service Tax Credit	Program offers Kansas tax credits to for nonprofit organizations for contributions to approved projects. Projects eligible for tax credit awards include community service, crime prevention and health care
Kansas Department of Health and Environment—Bureau of Environmental Remediation (KDHE-BER)	Abandoned Mine Land Program	Program provides for the remediation of sites that are an immediate threat to the health and safety of the public.
KDHE-BER	Kansas Brownfields Program	Programs to assist communities with the redevelopment of brownfields properties
Kansas Forest Service (KFS)	Community Forestry Program	Program provides assistance, education, and support to communities and municipalities in organizing urban and community forestry programs, identifying resource needs, setting priorities of work, and training city employees.
KFS	Rural Forestry Program	Professional foresters provide on-site forest management and agro-forestry analysis and recommendations through inventory of forests, woodlands and windbreaks.
KFS	Firewise Program	The Kansas Firewise program offers prevention materials for homeowners to reduce the threat of wildland fire in rural and high-risk areas.
KFS	Forest Health Program	Program monitors the impacts of insects, diseases, drought, Flood (NFIP)ing and other health issues in forests, woodlands, windbreaks and conservation tree plantings by providing diagnosis and control recommendations and mitigation and planning for Emerald Ash Borer, Asian Bush Honeysuckles and other invasive species.
KFS	Landowner Education	Provides information and education to farmers regarding the benefits of good forest management. This includes information about federal cost share practices including the Environmental Quality Incentives Program, Conservation Reserve Program, and the Riparian and Wetland Protection Program.



7.0 Plan Maintenance

7.1 – Hazard Mitigation Plan Monitoring and Evaluation

44 CFR 201.6 (c)(4) A plan maintenance process that includes: (i) A section describing the method and schedule of monitoring, evaluating, and updating the mitigation plan within a five-year cycle.

The Kansas Region L Hazard Mitigation Plan will be updated then approved by FEMA every five years. During the five-year cycle, the plan will undergo continuous monitoring and evaluation to ensure that the policies, procedures, priorities, and state environment established in the plan reflect current conditions.

To achieve this, the MPC will meet annually after plan approval. If needed, additional meetings will take place during this timeframe. The State of Kansas State Hazard Mitigation Officer, in conjunction with the MPC and participating jurisdictions, will determine the meeting dates and location and is responsible for sending invitations.

During the five-year evaluation phase, the MPC is responsible for assessing the effectiveness of the plan by:

- Reviewing the hazards and determining if any of them have changed
- Determining if there are new hazards that pose a risk to the state
- Ensuring goals and objectives are still relevant
- Determining if any actions have been completed or are deemed irrelevant
- Determining if new actions should be added
- Determining if capabilities have changed

In addition to these meetings, the MPC will monitor and evaluate the progress of mitigation projects via regular reports, site visits, and correspondence. Progress and viability of identified mitigation actions will be measured based on the following variables:

- The number of projects successfully implemented
- The breadth of disbursement of mitigation grant funds
- The disaster losses avoided over time
- Public awareness
- Success of completed mitigation projects in helping address and achieve identified goals and objectives
- Have the completed mitigation actions resulted in a safer Kansas Region L

In order to monitor the implementation of plan actions and the overall progress of plan goals, MPC members will report on the following information:

- How the actions from the mitigation strategy are being pursued and completed
- Are actions being prioritized
- How the plan goals and objectives are being carried out
- How mitigation funding mechanisms are being utilized
- How participating jurisdictions are receiving technical assistance



7.2 – Jurisdictional Maintenance Requirements

Kansas Region L and all participating jurisdictions will be tasked with plan monitoring, evaluation, and maintenance. All participating jurisdictions, led by MPC, will:

- Regularly monitor and evaluate the implementation of the plan
- When applicable, after a disaster event, evaluate the effectiveness of the plan
- Act as a think tank for all issues related to hazard mitigation planning
- Act as a clearinghouse for hazard mitigation ideas and activities
- Assist with the implementation of all identified actions with available resources
- Monitor all available funding opportunities for mitigation actions
- Coordinate the cycle for the revision and update of the mitigation plan
- Report on plan progress and recommended changes to the relevant governing bodies
- Inform and solicit input from the public

Each participating jurisdiction will also be responsible for promoting the integration of the hazard mitigation plan into all relevant plans, policies, procedures and ordinances.

7.3 – Plan Maintenance and Update Process

44 CFR 201.6 (c)(4) A plan maintenance process that includes: (i) A section describing the method and schedule of monitoring, evaluating, and updating the mitigation plan within a five-year cycle."

Kansas Region L, the State of Kansas, and the MPC will facilitate a yearly plan review and the subsequent hazard mitigation plan revision and re-adoption process within the required five-year period.

Information from the annual meetings will be incorporated in to the plan update. Starting in calendar year 2022, the formal update process will begin. A thorough review and revision of the plan will take place, following all requirements detailed in 44 CFR 201.4, FEMA guidance documents, and DMA 2000. The following represents a general timeline for the next required plan revision, with work beginning approximately one year before plan expiration.

- **Three years before plan expiration, Spring:** The MPC will begin updating the plan risk assessment. Hazards will be analyzed for continued relevancy and a review will be conducted to determine and new potential hazards.
- **Three years before plan expiration, Fall:** The MPC will begin updating the vulnerability assessment. Data will be gathered on jurisdictional assets, critical facilities, building stock values, crop losses, jurisdictional damages, etc.
- **Two years before plan expiration, Spring:** The MPC will review all information from previous meetings and determine if hazard mitigation goals and objectives are still relevant. Actions will be reviewed for currency and applicability. Work will begin on HMP revision.
- **Two years before plan expiration, Fall:** The MPC will evaluate the policies, programs, capabilities, and funding sources from the previous plan and plan revision to determine if they are still accurate and determine if additions are required.



- **One year before plan expiration:** Work will begin on the revision of the 2019 HMP.
- **Six months before plan expiration:** The MPC will review the final draft copy of the mitigation plan and make comments and updates if necessary. All participating jurisdictions and the public will be given an opportunity to review and comment on draft HMP.
- **Two months before plan expiration:** Formal submittal to FEMA for re-approval.

As part of the plan maintenance process, and consistently during the five-year HMP approval period, the MPC will continually monitor all elements of the plan, including:

- The incorporation of the HMP into other planning mechanisms
- All revisions and updates to the HMP
- Continued public participation

This monitoring will be done through outreach efforts to include:

- Email communication
- Phone communication
- In person communication at meetings, relevant conferences, and local planning events

Through consistent monitoring the MPC will then be able to efficiently incorporate these elements into the next plan revision.

Upon each successive revision, the plan will need to be re-adopted by all participating jurisdictions. Circumstances, including a major disaster or a change in regulations or laws, may modify the required five-year planning cycle.

7.4 – Post-Disaster Declaration Procedures

Following a disaster, each participating jurisdiction and the MPC may review the plan to determine if any additional actions need to be identified, additional funding has become available, or any identified actions need to be re-prioritized.

7.5 – Incorporation of HMP into Other Planning Mechanisms

44 CFR 201.6 (c)(4)(ii) A process by which local governments incorporate the requirements of the mitigation plan into other planning mechanisms such as comprehensive or capital improvement plans, when appropriate.

The hazard mitigation plan is an overarching document that is both comprised of, and contributes to, various county and local plans. Under the leadership of the MPC, it is hoped that when each of these other plans is updated, they will be measured against the contents of this HMP.

Below is a list of the various jurisdictional planning efforts, either solely or jointly administered, and relevant planning documents. While each plan can stand alone, each participating jurisdiction, under the



leadership of their MPC member, will actively work to incorporate relevant parts of this hazard mitigation plan into the following:

- All participating jurisdictions Codes and Ordinances
- All participating jurisdictions Comprehensive Plans
- All participating jurisdictions Critical Facilities Plans
- All participating jurisdictions Economic Development Strategic Plans
- All participating jurisdictions Emergency Operations Plans
- All participating jurisdictions Flood Mitigation Assistance Plan
- All participating jurisdiction Land-Use Plans
- Community Wildfire Protection Plans

Additionally, in cooperation with the MPC, each participating jurisdiction will be actively courted on incorporating elements of this hazard mitigation plan for any relevant plan, code or ordinance revision or creation.

Each participating jurisdiction has committed to actively encourage all departments to implement actions that minimize loss of life and property damage. Whenever possible, each participating jurisdiction will use existing plans, policies, procedures and programs to aid in the implementation of identified hazard mitigation actions. Potential avenues for implementation may include:

- Budget revisions or adoptions
- Capital improvement plans
- General or master plans
- Hiring of staff
- Land use planning
- Operation plans
- Ordinances
- Stormwater planning

Participating jurisdictions are encouraged to utilize all available budget avenues for the completion of hazard mitigation items. Budgetary options may include:

- Annual budgets
- Application for grant funding
- Departmental budgets
- In-kind donations

Where appropriate, the MPC will take the lead in integrating this HMP into overarching, countywide plans, code, ordinances and any other relevant documents, policies or procedures.



7.6 – Continued Public Involvement

44 CFR 201.6 (c)(4)(iii) Discussion on how the community will continue public participation in the plan maintenance process.

Public participation is an important part of the continued mitigation planning process. Every effort will be made to keep the public informed on both relevant mitigation issues and the five-year plan revision cycle. Strategies for continued public involvement may include:

- Postings on electronic media, to include websites
- Notifications, when possible, in local media
- Making plans available for review in public locations
- A review of local mitigation strategies and goals
- A review completed and remaining hazard mitigation actions



Appendix A

Adoption Resolutions



Appendix B

FEMA Approval Documents



Appendix C

Meeting Minutes and Sign-In Sheets



To **Region “L” Hazard Mitigation Planning Committee**

Through **Jeanne Bunting, Mitigation Planner
Kansas Division of Emergency Management (KDEM)**

From **Jeanne Bunting, Mitigation Planner**
Tel / E-mail **Kansas Division of Emergency Management (KDEM)**

Date **10 September 2018**

Subject **Minutes from the Region “L” Mitigation Planning Meeting held on 10 September 2018 in Olathe, KS.**

This document is a record of attendance and a summary of the issues discussed during the above Kickoff meeting. Topics covered during the meeting included: (1) an introduction to the purpose of hazard mitigation planning, (2) the benefits of a multi-jurisdictional approach, (3) the reasons for the regional mitigation planning process, (4) grant programs linked to an approved plan and (5) action items in the previous county hazard mitigation plans. The hazard mitigation planning process was reviewed to include requirements for public involvement and the use of data collection guides, and the new action criteria. The planning committee reviewed the list of hazards to be used as a part of the regional plan. The group discussed mitigation actions and the availability of grant programs during the meeting. The meeting concluded with a discussion of the next steps in the planning process. The formal presentation portion of the meeting began at 0900 am CDT and concluded at 10:30 am CDT.

Attendees

Name	Organization	County
David Brown	Fairway PD, Chief of Police	Johnson
Kyle Burns	Overland Park Emergency Manager	Johnson
Rick Castillo	USD 233, Olathe Public Schools, Manager of Safety & Security	Johnson
Alvie Cater	USD 232, Desoto Schools, Asst Superintendent	Johnson
Steve Chick Sr	City of De Soto, Emergency Manager	Johnson
Sidney Cumberland	Blue Valley School District, Risk Manager	Johnson
Matt Epperson	Shawnee FD, Emergency Services Chief	Johnson
Lester Estelle	WaterOne, Process Management Coordinator	Johnson
Colin Fitzgerald	City of Leawood, Deputy Chief	Johnson
Rebecca Galati	KCP&L and Westar Energy, Community Business Manager	Johnson
Jennifer Lee	City of Mission Hills, Assistant City Administrator	Johnson
Roger Lippert	Johnson County MED-ACT, Division Chief	Johnson
Lana McPherson	City of De Soto, City Clerk	Johnson
Trig Morley	FD #1, Johnson County, Battalion Chief	Johnson
Harold Nelson	Atmos Energy, Safety Specialist	Johnson
Alisa Pacer	Johnson County CC, Emergency Manager	Johnson
Gary Tolle	Southern Star Central Gas Pipeline, Compliance Pipeline Safety	Johnson
Kevin Weyand	Olathe FD, Division Chief	Johnson
Cary Gerst	JOCO Emergency Management, Asst. Dir.	Johnson

	Planning	
Jeanne Bunting	KDEM, Mitigation Planner	State
Susan McMahan	KDEM, Planner	State
Josh Smith	KDEM, Regional Coordinator	State
Emily Hatcher	FEMA, Floodplain Specialist	Federal
Jacob Gray	KDEM, SHMO	State
Steve Samuelson	DWR, NFIP Coordinator	State
Justin Sorg	FEMA, Community Planner	Federal

Introductions

Jeanne Bunting with KDEM began the meeting by welcoming and thanking the attendees. Participants introduced themselves and identified what jurisdiction they represented.

Introduction to Hazard Mitigation Planning

Ms. Bunting presented information on the purpose and requirements of the Disaster Mitigation Act of 2000. The attendees were reminded that this is a regional planning effort which will update the current Region L mitigation plan. The plan includes: Leavenworth, Johnson, and Wyandotte Counties. The presentation also addressed the benefits for jurisdictions participating in this mitigation plan update, including eligibility for federal hazard mitigation assistance funding programs. The region has received funds in the amount of \$7, 939, 351 toward mitigation projects and planning.

Ms. Bunting described the benefits of participating in a multi-jurisdictional plan as improving coordination and communication among local jurisdictions and that these hazards do not stop at jurisdictional boundaries thus this multi-jurisdictional plan allows for a more comprehensive approach. The group also heard information regarding the significant cost savings being realized by the regional approach to planning. The regional approach now being used allows planning services to be provided to each county for the update at no cost to the county. Matt Eyer with Blue Umbrella will be completing the Region “L” mitigation plan for committee review.

Jeanne Bunting also described the role of the Hazard Mitigation Planning Committee (HMPC). Each jurisdiction participating in development of the plan must meet the following minimum requirements:

- Designate a representative to serve on the Region “L” Hazard Mitigation Planning Committee, which will meet twice during the planning process, Emergency Managers will meet three times.
- Provide data for and assist in the development of the updated risk assessment that describes how various hazards impact your jurisdiction,
- Provide data to describe current capabilities,
- Develop/update mitigation actions (at least one) specific to your jurisdiction,
- Provide comments on plan drafts as requested,
- Inform the public, local officials, and other interested parties about the planning process and provide opportunities for them to comment on the plan, and
- Formally adopt the mitigation plan.

Planning for Public Involvement

The local/regional hazard mitigation plan requirements state that the public must have the opportunity to comment on the plan. The public will be given two opportunities to comment on the plan, once during the drafting stage and another when the plan is complete in the final draft stage. KDEM is planning to utilize a questionnaire on SurveyMonkey.com to ask the public's opinion about hazards that affect them during the drafting stage. The HMPC members in the county are also requested to post the SurveyMonkey.com link, once available, on their websites and newsletters to the public and to distribute the survey as widely as possible.

Data Collection Process

The participating jurisdictions at the meeting were provided hard copies of Data Collection Guides. Local County Emergency Management Agencies will follow-up with jurisdictions that were not in attendance at this meeting to provide an overview of the process being used and copies of data collection guides for completion. Ms Bunting briefed on the Data Collection Guides, and reminded the attendees that they are specific for local units of government and schools. There are two different guides, one for local governments, and one for schools and universities. The jurisdictions were requested to provide data regarding hazards that had occurred in their jurisdiction since the last plan update (2014) for the 22 hazards that are in the Regional Plan. The Data Collection Guides were requested to be returned to Jeanne Bunting 10 October 2018.

Plan Format/ Regional and Countywide Risk Assessment

The list of hazards in the State of Kansas plan is the list that is being used for the regional plans. All of the hazards included in the State Plan were included in the current plan for the counties in Region L. Blue Umbrella staff will be updating the regional hazard ranking using the State Plan methodology for hazards in their current plan.

Hazard Mitigation Assistance Grants Available Linked to Approved Plan

The following three Hazard Mitigation Assistance grant programs were outlined, priority activities discussed, deadline of grants, and current funds available for:

- Hazard Mitigation Grant Program (HMGP)
- Pre-disaster Mitigation (PDM)
- Flood Mitigation Assistance (FMA)
- POST HMGP Fire

Other state and federal grant programs for mitigation projects were also mentioned.

Mitigation Actions

The planning committee was provided an introduction to update and development of mitigation actions. Jurisdictional representatives were requested to provide updates as to: (1) action status – in a measureable format, i.e. 100% complete. They were also advised of the FEMA SMART action criteria and the four categories for actions. The group was reminded that each participating jurisdiction must have at least one action and that all NFIP jurisdictions must have at least two NFIP-related actions. Participants were also given a copy of the form for adding new actions to the plan. The updates on the current actions and any new actions were requested to be returned to Jeanne Bunting by 10 October 2018. The date for the final planning meeting will be sent to each agency. At that final meeting, the mitigation actions for the plan will be prioritized.

Next Steps

The meeting concluded with a discussion of the remaining steps to complete the planning process as follows:

- **October 10, 2018— Data Collection Guides Due to KDEM**
- **October 10, 2018 — Mitigation Action Updates + New Actions Due to KDEM**
- **December 2018, TBD – Meeting #2 for Emergency Management Officials**
- **TBD (Beginning of March 2019) – Meeting #3 All Committee Members – Action Priorities**
- **March 2019 (end of) — Submit Plan to FEMA**

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Initial	*Last Name	*First Name	*Department/Organization	*Position/fritl	*Ernail	Office .p,i,,oi:re	CellPhone
	Brown	David	Fairway Police Department	Chief of Police	dbrown@fairwaypd.org	9132622364	
	Burns	Kyle	Overland Park Emergency Management	EM	kyle.burns@opkansas.org	9138958308	7065369552
	Castillo	Rick	Olathe Public Schools USO 233	Manager of Safety & Security	scastilloec@olatheschools.org	19137807766	9132693793
		ALVIE	USO 232	Assistant Suneri			
	Cater	Alvie	Unified School District 232 (De Soto)	Assistant Superintendent	acater@usd232.org	913-667-6200	913-515-7324
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	Cumberland	Sidney	Blue Valley School District	Risk Manager	scumberland@bluevalleyk12.org	9132394244	
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	Estelle	Lester	WaterOne	Process Management Coordinator	lestelle@waterone.org	913-895-5832	913-238-2048
	Fitzgerald	Colin	City of Leawood	Deputy Chief	colinf@leawood.org	9132660606	9132353046
	Galati	Rebecca	KCP&L and Westar Energy	Community Business Manager	rebecca.galati@kcpl.com	816-556-2979	
	Lee	Jennifer	City of Mission Hills	Assistant City Administrator	jlee@missionhillsks.gov	913-362-9620	

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Initial	*LastName.	*FirstName	*Department: Organization	*Position/Title	*Email	*Office Phone	Cell Phone
<i>LM</i>	McPherson	Lana	City of De Soto	City Clerk	lmcpherson@desotoks.us	913-583-1182 e110	<i>913-689-8133</i>
<i>TM</i>	Morley	Trig	Fire District #1 of Johnson County	Battalion Chief	trig.morley@jocofd1.org	9139153818	
<i>HN</i>	Nelson	Harold	Atmos Energy	Safety Specialist	harold.nelson@atmosenergy.com	913-254-6339	816-718-3897
<i>AP</i>	Pacer	Alisa	JCCC	Emergency Manager	apacer@jccc.edu	9134697622	8168680499
<i>GT</i>	Tolle	Gary	Southern Star Central Gas Pipeline	compliance pipeline safety	Gary.Tolle@sscgpc.com	913.422.6321	660.563.0636
<i>KW</i>	Weyand	Kevin	Olathe Fire Department	Division Chief	kweyand@olatheks.org	913-971-7955	913-731-5485
<i>WB</i>	Willson	Brad	Spring Hill School District	Assistant Superintendent	willsonb@usd230.org	(913) 592-7200	(913) 206-9054
	Gerst	Cary	JOCO Emergency Management	Asst. Dir. Planning	cgerst@jocogov.org	913-715-1005	
	Bunting	Jeanne	KDEM	Mit Planner	Jeanne.L.Bunting@ks.gov	<i>785-554-9976</i>	
	McMahon	Susan	KDEM	Planner		785-207-1805	
	Smith	Josh	KDEM	REGIONAL COORD.		620-794-6543	
	HATCHER	EMILY	FEMA	FLOODPLAIN SPECIALIST	EMILY.HATCHER@FEMA.DHS.GOV	202-577-2282	
	Gray	Jacob	KDEM	SHMO	jacob.s.gray@ks.gov	785-646-1973	
	SAMUELSON	STEVE	DWR	NFIP Coordinator	steve.samuelson@ks.gov	785-296-4622	
<i>JS</i>	SORL			Community Planner	justin.sorl@ks.gov		202-DZ-7-rl,,,b'il-1

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Region "L" Mitigation Plan Kickoff Meeting

Location: Jefferson County

Date: 17 Oct, Time: 0900

Page 1 of 2

Name (PRINT LEGIBLY)	Organization	Phone/Email
Steve Scriverson	IDWD	Sf--e.v-e.-S.Cl.M u.P1: 0 11.f.f.J, L<S . o, cv
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e qff: "JE") t<-l E) v--	City of BASEhor	citysuper@cityofbasehor.org 913-724-2000-office
Michelle Bedford	Lan-Del Water District	913-727-3350 mbedford@lan-del.com
Gail Hanson	Lan-Del Water	ghanson@lan-del.com 727-3380
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To **Region "L" Hazard Mitigation Planning Committee**

Through **Jeanne Bunting, Mitigation Planner
Kansas Division of Emergency Management (KDEM)**

From **Jeanne Bunting, Mitigation Planner**
Tel / E-mail **Kansas Division of Emergency Management (KDEM)**

Date **17 September 2018**

Subject **Minutes from the Region "L" Mitigation Planning Meeting held on 17 September 2018 in Leavenworth, KS.**

This document is a record of attendance and a summary of the issues discussed during the above Kickoff meeting. Topics covered during the meeting included: (1) an introduction to the purpose of hazard mitigation planning, (2) the benefits of a multi-jurisdictional approach, (3) the reasons for the regional mitigation planning process, (4) grant programs linked to an approved plan and (5) action items in the previous county hazard mitigation plans. The hazard mitigation planning process was reviewed to include requirements for public involvement and the use of data collection guides, and the new action criteria. The planning committee reviewed the list of hazards to be used as a part of the regional plan. The group discussed mitigation actions and the availability of grant programs during the meeting. The meeting concluded with a discussion of the next steps in the planning process. The formal presentation portion of the meeting began at 0900 am CDT and concluded at 1030 am CDT.

Attendees

Name	Organization	County
Steve Samuelson	KDA/DWR/Floodplain	State
Michelle Wolfe	FEMA Region VII	Federal
Mike McDonald	City of Leavenworth	Leavenworth
Kim Buchanan	Leavenworth County Emergency Management	Leavenworth
Chuck Magaha	Leavenworth County Emergency Manager	Leavenworth
Gene Myracle Jr	City of Basehor	Leavenworth
Michelle Redford	Lan-Del Water District	Leavenworth
Gail Hanson	Lan-Del Water District	Leavenworth
Michael Dickason	Lansing Police	Leavenworth
David Bresser	Lansing USD 469	Leavenworth
Jim Sherlay	LVSO	Leavenworth
Sarah Shafer	LVCO Public Works Dept	Leavenworth
Greg Lawson	Tonganoxie Police	Leavenworth
John Zimbelman	Tonganoxie Fire Department	Leavenworth
Kyle Craig	Lan-Del Water District	Leavenworth
Jeff Joseph	LVCO Planning and Zoning Department	Leavenworth
Matt Dedeke	USD453	Leavenworth
Amy Sloan	USD453	Leavenworth
Emily Hatcher	FEMA Region VII	Leavenworth
Rebecca Savidge	City of Lansing	Leavenworth
Mark Lee	City of Basehor	Leavenworth

David Howard	USD458	Leavenworth
Matt Eyer	Plan Author	Colorado
Jeanne Bunting	KDEM	State

Introductions

Jeanne Bunting with KDEM began the meeting by welcoming and thanking the attendees. Participants introduced themselves and identified what jurisdiction they represented.

Introduction to Hazard Mitigation Planning

Ms. Bunting presented information on the purpose and requirements of the Disaster Mitigation Act of 2000. The attendees were reminded that this is a regional planning effort which will update the current Region L mitigation plan. The plan includes: Leavenworth, Johnson, and Wyandotte Counties. The presentation also addressed the benefits for jurisdictions participating in this mitigation plan update, including eligibility for federal hazard mitigation assistance funding programs. The region has received funds in the amount of \$7, 939, 351 toward mitigation projects and planning.

Ms. Bunting described the benefits of participating in a multi-jurisdictional plan as improving coordination and communication among local jurisdictions and that these hazards do not stop at jurisdictional boundaries thus this multi-jurisdictional plan allows for a more comprehensive approach. The group also heard information regarding the significant cost savings being realized by the regional approach to planning. The regional approach now being used allows planning services to be provided to each county for the update at no cost to the county. Matt Eyer with Blue Umbrella will be completing the Region “L” mitigation plan for committee review.

Jeanne Bunting also described the role of the Hazard Mitigation Planning Committee (HMPC). Each jurisdiction participating in development of the plan must meet the following minimum requirements:

- Designate a representative to serve on the Region “L” Hazard Mitigation Planning Committee, which will meet twice during the planning process, Emergency Managers will meet three times.
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Plan Format/ Regional and Countywide Risk Assessment

The list of hazards in the State of Kansas plan is the list that is being used for the regional plans. All of the hazards included in the State Plan were included in the current plan for the counties in Region L. Blue Umbrella staff will be updating the regional hazard ranking using the State Plan methodology for hazards in their current plan.

Hazard Mitigation Assistance Grants Available Linked to Approved Plan

The following three Hazard Mitigation Assistance grant programs were outlined, priority activities discussed, deadline of grants, and current funds available for:

- Hazard Mitigation Grant Program (HMGP)
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Other state and federal grant programs for mitigation projects were also mentioned.

Mitigation Actions

The planning committee was provided an introduction to update and development of mitigation actions. Jurisdictional representatives were requested to provide updates as to: (1) action

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Next Steps

The meeting concluded with a discussion of the remaining steps to complete the planning process as follows:

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- **March 2019 (end of) — Submit Plan to FEMA**

To **Region “L” Hazard Mitigation Planning Committee**

Through **Jeanne Bunting, Mitigation Planner
Kansas Division of Emergency Management (KDEM)**

From **Jeanne Bunting, Mitigation Planner**
Tel / E-mail **Kansas Division of Emergency Management (KDEM)**

Date **17 September 2018**

Subject **Minutes from the Region “L” Mitigation Planning Meeting held on 17
September 2018 in Kansas City KS.**

This document is a record of attendance and a summary of the issues discussed during the above Kickoff meeting. Topics covered during the meeting included: (1) an introduction to the purpose of hazard mitigation planning, (2) the benefits of a multi-jurisdictional approach, (3) the reasons for the regional mitigation planning process, (4) grant programs linked to an approved plan and (5) action items in the previous county hazard mitigation plans. The hazard mitigation planning process was reviewed to include requirements for public involvement and the use of data collection guides, and the new action criteria. The planning committee reviewed the list of hazards to be used as a part of the regional plan. The group discussed mitigation actions and the availability of grant programs during the meeting. The meeting concluded with a discussion of the next steps in the planning process. The formal presentation portion of the meeting began at 1330 pm CDT and concluded at 1510 pm CDT.

Attendees

Name	Organization	County
Larry Eker	Wyandotte County Emergency Management	Wyandotte
Rob Richerd	Wynadotte County Planning	Wyandotte
Alan Sanders	Boy Scouts of America	Wyandotte
Matt May	Wyandotte County Emergency Manager	Wyandotte
Michelle Wolfe	FEMA Region VII	Federal
John Martello	KSSDB	Wyandotte
Kevin Martin	Harvesters	Wyandotte
Wilba Miller	Community Development KC/UG	Wyandotte
Jeremy Ash	BPU Electric Ops	Wyandotte
Emily Hatcher	FEMA Region VII	Federal
Kim Portillo	County Planning/CRS Coordinator	Wyandotte
E. Burnstn	US-GSS	Wyandotte
Martin Koch	DWR	State
James Zeeb	KCK Fire Department	Wyandotte
Christian Coole	UG GIS	Wyandotte
Amber McCullough	Bonner Springs	Wyandotte
Keith Brown	BPU	Wyandotte
Jonathan Wiles	City of Shawnee	Johnson
Randall Hundley	KCATA	Wyandotte
Bobby Edwards	KCATA	Wyandotte
Steve Daily	FDO	Wyandotte

Joe Peterson	USD202, Turner	Wyandotte
John Callahan	Salvation Army	Wyandotte
Eric Nobert	UG Public Works	Wyandotte
Lana Gerber	USD202, Turner	Wyandotte
Ron Starbuck	Wyandotte County PD	Wyandotte
Rick Sailler	City of Bonner Springs	Wyandotte
Carrie Summers	KU Medical Center	Wyandotte
Marvino Gilliam	KCATA	Wyandotte
Doug Ferguson	US EPA	Federal
Phillip Brown	KC BPU	Wyandotte
Jeanne Bunting	KDEM	State
Matt Eyer	Plan Author	Colorado

Introductions

Jeanne Bunting with KDEM began the meeting by welcoming and thanking the attendees. Participants introduced themselves and identified what jurisdiction they represented.

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 - Formally adopt the mitigation plan.
-

Planning for Public Involvement

The local/regional hazard mitigation plan requirements state that the public must have the opportunity to comment on the plan. The public will be given two opportunities to comment on the plan, once during the drafting stage and another when the plan is complete in the final draft stage. KDEM is planning to utilize a questionnaire on SurveyMonkey.com to ask the public's opinion about hazards that affect them during the drafting stage. The HMPC members in the county are also requested to post the SurveyMonkey.com link, once available, on their websites and newsletters to the public and to distribute the survey as widely as possible.

Data Collection Process

The participating jurisdictions at the meeting were provided hard copies of Data Collection Guides. Local County Emergency Management Agencies will follow-up with jurisdictions that were not in attendance at this meeting to provide an overview of the process being used and copies of data collection guides for completion. Ms Bunting briefed on the Data Collection Guides, and reminded the attendees that they are specific for local units of government and schools. There are two different guides, one for local governments, and one for schools and universities. The jurisdictions were requested to provide data regarding hazards that had occurred in their jurisdiction since the last plan update (2014) for the 22 hazards that are in the Regional Plan. The Data Collection Guides were requested to be returned to Jeanne Bunting 10 October 2018.

Plan Format/ Regional and Countywide Risk Assessment

The list of hazards in the State of Kansas plan is the list that is being used for the regional plans. All of the hazards included in the State Plan were included in the current plan for the counties in Region L. Blue Umbrella staff will be updating the regional hazard ranking using the State Plan methodology for hazards in their current plan.

Hazard Mitigation Assistance Grants Available Linked to Approved Plan

The following three Hazard Mitigation Assistance grant programs were outlined, priority activities discussed, deadline of grants, and current funds available for:

- Hazard Mitigation Grant Program (HMGP)
- Pre-disaster Mitigation (PDM)
- Flood Mitigation Assistance (FMA)
- POST HMGP Fire

Other state and federal grant programs for mitigation projects were also mentioned.

Mitigation Actions

The planning committee was provided an introduction to update and development of mitigation actions. Jurisdictional representatives were requested to provide updates as to: (1) action status – in a measureable format, i.e. 100% complete. They were also advised of the FEMA SMART action criteria and the four categories for actions. The group was reminded that each participating jurisdiction must have at least one action and that all NFIP jurisdictions must have at least two NFIP-related actions. Participants were also given a copy of the form for adding new actions to the plan. The updates on the current actions and any new actions were requested to be returned to Jeanne Bunting by 10 October 2018. The date for the final planning meeting will be sent to each agency. At that final meeting, the mitigation actions for the plan will be prioritized.

Next Steps

The meeting concluded with a discussion of the remaining steps to complete the planning process as follows:

- **October 10, 2018— Data Collection Guides Due to KDEM**
- **October 10, 2018 — Mitigation Action Updates + New Actions Due to KDEM**
- **December 2018, TBD – Meeting #2 for Emergency Management Officials**
- **TBD (Beginning of March 2019) – Meeting #3 All Committee Members – Action Priorities**
- **March 2019 (end of) — Submit Plan to FEMA**

Region "L" Mitigation Plan Kickoff Meeting

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Johnson County

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$\frac{1}{1-x^{75557863725914323419136}} = 1 + x^{75557863725914323419136} + x^{151115727451828646838272} + x^{226694591177742798547392} + \dots$

$\frac{1}{1-x^{151115727451828646838272}} = 1 + x^{151115727451828646838272} + x^{302231454903657293676544} + x^{453347182355485840514816} + \dots$

$\frac{1}{1-x^{302231454903657293676544}} = 1 + x^{302231454903657293676544} + x^{604462909807314587353088} + x^{906694364710971881029632} + \dots$

$\frac{1}{1-x^{604462909807314587353088}} = 1 + x^{604462909807314587353088} + x^{1208925819614629174706176} + x^{1813388729421943261069248} + \dots$

$\frac{1}{1-x^{1208925819614629174706176}} = 1 + x^{1208925819614629174706176} + x^{2417851639229258349412352} + x^{3626777458843887514117504} + \dots$

$\frac{1}{1-x^{2417851639229258349412352}} = 1 + x^{2417851639229258349412352} + x^{4835703278458516698824704} + x^{7253554917687775048237056} + \dots$

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$\frac{1}{1-x^{2535301200456458802993406410752}} = 1 + x^{2535301200456458802993406410752} + x^{5070602400912917605986812821504} + x^{7605903601369376408980219232256} + \dots$

$\frac{1}{1-x^{5070602400912917605986812821504}} = 1 + x^{5070602400912917605986812821504} + x^{10141204801825835211973625643008} + x^{15211807202738752817960438464512} + \dots$

$\frac{1}{1-x^{10141204801825835211973625643008}} = 1 + x^{10141204801825835211973625643008} + x^{20282409603651670423947251286016} + x^{30423614405477505635920876929024} + \dots$

$\frac{1}{1-x^{20282409603651670423947251286016}} = 1 + x^{20282409603651670423947251286016} + x^{40564819207303340847894502572032} + x^{60847228810955011271841753858048} + \dots$

$\frac{1}{1-x^{40564819207303340847894502572032}} = 1 + x^{40564819207303340847894502572032} + x^{81129638414606681695789005144064} + x^{121694457621910022543683507716096} + \dots$

$\frac{1}{1-x^{81129638414606681695789005144064}} = 1 + x^{81129638414606681695789005144064} + x^{162259276829213363391578010288128} + x^{243388815243820045087367015432192} + \dots$

$\frac{1}{1-x^{162259276829213363391578010288128}} = 1 + x^{162259276829213363391578010288128} + x^{324518553658426726783156020576256} + x^{486777830487640080174734030864384} + \dots$

$\frac{1}{1-x^{324518553658426726783156020576256}} = 1 + x^{324518553658426726783156020576256} + x^{649037107316853453566312041152512} + x^{973555660975280180349468061728768} + \dots$

$\frac{1}{1-x^{649037107316853453566312041152512}} = 1 + x^{649037107316853453566312041152512} + x^{1298074214633706907132624082305024} + x^{1947107321950560360698936123457536} + \dots$

$\frac{1}{1-x^{1298074214633706907132624082305024}} = 1 + x^{1298074214633706907132624082305024} + x^{2596148429267413814265248164610048} + x^{3894222643901120721397872246915072} + \dots$

$\frac{1}{1-x^{2596148429267413814265248164610048}} = 1 + x^{2596148429267413814265248164610048} + x^{5192296858534827628530496329220096} + x^{7788445287802241442795744493830144} + \dots$

$\frac{1}{1-x^{51922968585348276285304963292200$

To **Region “L” Hazard Mitigation Planning Committee**

Through **Jeanne Bunting, Mitigation Planner
Kansas Division of Emergency Management (KDEM)**

From **Jeanne Bunting, Mitigation Planner**
Tel / E-mail **Kansas Division of Emergency Management (KDEM)**

Date **5 December 2018**

Subject **Minutes from the Region “L” Mitigation Planning Meeting held on 5
December 2018 in Olathe, KS.**

This document is a record of attendance and a summary of the issues discussed during the above meeting. Topics covered during the meeting included: (1) Strategy, (2) Goals, and (3) actions. The hazard mitigation planning process was reviewed to include requirements for public involvement and the use of data collection guides, and the new action criteria. The meeting concluded with a discussion of the next steps in the planning process with the final meeting being 11 February at 1:30 pm. The formal presentation portion of the meeting began at 1030 am CDT and concluded at 1130 am CDT.

Attendees

Name	Organization	County
Cary Gerst	Johnson County Emergency Management	Johnson
Chuck Magaha	Leavenworth County Emergency Management	Leavenworth
Matt May	Wyandotte County Emergency Management	Wyandotte
Matt Eyer	Blue Umbrella Contractor	All
Jeanne Bunting	KDEM	State

Agenda

The meeting was scheduled out of the KEMA cycle in order to facilitate the uniqueness of Region L. All three counties were represented. Matt Eyer, the plan author, reviewed the strategy, goals, and went in depth on the necessary steps needed in order to bring the actions up to par and in accordance with SMART objectives. Actions are due back to Jeanne Bunting by 10 January 2019 for inclusion in the 2019 plan update.

Next Steps

The meeting concluded with a discussion of the remaining steps to complete the planning process as follows:

- **January 10, 2019— Actions Due to KDEM**
- **February 11, 2019 — Final Meeting for Region L at 1:30 pm**
- **March 2019 — Submit Plan to FEMA**

//s//

Jeanne Bunting, Mitigation Planner, KDEM

To **Region "L" Hazard Mitigation Planning Committee**

Through **Jeanne Bunting, Mitigation Planner
Kansas Division of Emergency Management (KDEM)**

From **Jeanne Bunting, Mitigation Planner**
Tel / E-mail **Kansas Division of Emergency Management (KDEM)**

Date **11 February 2019**

Subject **Minutes from the Region "L" Mitigation Planning Meeting held on 11 February 2019, at Wyandotte County for Johnson, Leavenworth and Wyandotte Counties.**

This document is a record of attendance and a summary of the issues discussed during the above meeting. Topics covered during the meeting included: (1) Strategy, (2) Goals, and (3) actions, 4) final steps, 5) draft plan. The meeting concluded with a discussion of the next steps in the planning process and the necessity to open the plan for public comment. The formal presentation portion of the meeting began at 1330 am CDT and concluded at 1430 am CDT.

Attendees

Name	Organization	County
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See attached.

Agenda

The meeting was scheduled in order to finalize the draft plan of Region L. All three counties were represented. Matt Eyer, the plan author, reviewed the strategy, goals, and went in depth on the next steps, which include public comments.

Next Steps

The meeting concluded with a discussion of the remaining steps to complete the planning process as follows:

- **March 2019 – Submit Plan to FEMA**

//s//

Jeanne Bunting, Mitigation Planner, KDEM

Name (Legibly!)	County/Organization (Legibly!)	Title (Legibly!)
31 <u>Lang</u> <u>la.</u> <u>lfuch</u>	<u>EM</u> <u>S</u> <u>i</u> <u>---</u> <u>c0o.</u> <u>-d</u> / <u>no.l.</u> <u>Leavenworth CoWt-J...</u> <u>Efv</u> / <u>11</u>	<u>Director</u> <u>Deputy</u>
<u>James Zeeb</u>	<u>Oe.p.</u>	<u>IA 5 1/4</u>
<u>Steve Mahe</u>		<u>LC'a</u> <u>C</u>
<u>Craig Wood</u>		
<u>Chris Green</u>	<u>City of Peoto</u>	
<u>Steve</u>	<u>City of Bonner Springs</u>	<u>EMOLG. MGR.</u>
<u>Chris Drake</u>	<u>City of Leavenworth</u>	<u>City Clerk</u>
<u>Mike McDermott</u>	<u>KBEM</u>	<u>Public Works Director</u>
<u>Jeanne Bunting</u>	<u>UG NRC</u>	<u>Mitigation Planner</u>
<u>Greg Talkin</u>	<u>UG GSS</u>	<u>Director</u>
<u>CHRISTIAN COOLEY</u>		
<u>Steve Dailey</u>	<u>Fairfax Drainage District</u>	

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Name (Legibly!)	County/Organization(Legibly!)	Title (Legibly!)
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Jenny Hurley	Piper USD 203	Director of Communications
ERIC HANSEN	USD 204 BONNER SPRINGS/EDW	DIRECTOR OF BUSINESS / BOARD
Dea Crabbs	UG- Code Enforcement	Inspector I
Ron Starbuck	UG- Public Health	Program Supervisor - Em ^{wr ('...)}
Ted A	University of Kansas Health System	IM
h, /---i'r	Leavenworth County	U.C <::;"
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Bert Menden	Shawnee	o-e. C,l...«
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Appendix D
Critical Facilities
(Restricted, Not for Release)



Introduction to Critical Facilities

A critical facility is essential in providing utility or direction either during the response to an emergency or during the recovery operation, with facilities determined from jurisdictional feedback. The following are examples of critical facilities and assets:

- Communications facilities
- Emergency operations centers
- Fire stations
- Government buildings
- HazMat Facilities
- Hospitals and other medical facilities
- Police stations
- As deemed necessary by the jurisdiction

The information below is the inventory of critical facilities in Johnson, Leavenworth, and Wyandotte Counties. All information was gathered from the Kansas Division of Emergency Management, participating jurisdictions, and prior plans.

Details concerning critical facilities have been deemed as sensitive information, and as such their specific information is not for release to the general public.



Johnson County Critical Facilities

Johnson County Critical Facilities

Facility	Name	Address	City	Substance (if applicable)
Fire Station	De Soto, Stn 1	33150 W 83RD ST	De Soto	-
Fire Station	Dist 3, Stn 1	9745 KILL CREEK RD	De Soto	-
Nursing Home	Hillside Village of De Soto	33600 W 85th St	De Soto	-
School	De Soto High	35000 W 91st St	De Soto	-
School	Starside Elementary	35400 W 91st St	De Soto	-
School	Lexington Trails Middle	8800 Penner Ave	De Soto	-
School	Education Admin. Office	35200 W 91st St	De Soto	-
School	Countryside Learning Center	10120 Lexington Ave	De Soto	-
County Facility	Rural Fire District #3, Antenna Site	9745 Kill Creek Road	De Soto, KS	-
County Facility	HSA MultiService Center - De Soto	32905 W 84th Street	De Soto, KS	-
County Facility	De Soto	33145 W 83rd Street	De Soto, KS	-
Government Office	De Soto City Hall	32905 W 84th St	De Soto, KS 66018	-
HazMat	Huhtamaki Consumer Packaging Inc	9201 PACKAGING DR	DeSoto	6XXX series alloys
HazMat	Huhtamaki Consumer Packaging Inc	9201 PACKAGING DR	DeSoto	Absolyte/Champion Sealed Lead Battery
HazMat	Huhtamaki Consumer Packaging Inc	9201 PACKAGING DR	DeSoto	SULFURIC ACID
HazMat	Huhtamaki Consumer Packaging Inc	9201 PACKAGING DR	DeSoto	CADMIUM OXIDE
HazMat	Huhtamaki Consumer Packaging Inc	9201 PACKAGING DR	DeSoto	Lead Acid Batteries
HazMat	Huhtamaki Consumer Packaging Inc	9201 PACKAGING DR	DeSoto	KC-3468 Poly Lo Thriller Red
HazMat	Hunt - Sunflower Quarry	34135 W 95TH ST	DeSoto	ANFO
HazMat	Hunt - Sunflower Quarry	34135 W 95TH ST	DeSoto	Diesel Fuel
HazMat	Hunt - Sunflower Quarry	34135 W 95TH ST	DeSoto	Lubricating Oil
HazMat	Hunt - Sunflower Quarry	34135 W 95TH ST	DeSoto	Water Gel Primer
HazMat	Intervet Inc	35500 W 91st St	DeSoto	Formaldehyde
HazMat	A T & T - Eudora	37260 W 103RD ST	DeSoto	SULFURIC ACID
HazMat	Laidlaw Transit Inc. - (7013 DeSoto)	8800 PENNER AVE	DeSoto	Diesel Fuel
County Facility	Med-Act 1159 (DeSoto FD)	33150 W. 83rd	DeSoto, KS 66018	-
Fire Station	Dist 1, Stn 2	400 E 3RD ST	Edgerton	-
HazMat	Roberts Oil Leases - Richard L Roberts	17915 Sunflower Rd	Edgerton	Crude Oil
HazMat	Edgerton Coop	1002 E 2ND ST	Edgerton	Ammonia (ANHYDROUS)
HazMat	Edgerton Coop	1002 E 2ND ST	Edgerton	Diesel Fuel
HazMat	Edgerton Coop	1002 E 2ND ST	Edgerton	Gasoline
HazMat	Edgerton Coop	1002 E 2ND ST	Edgerton	Guardsman Max
HazMat	Edgerton Coop	1002 E 2ND ST	Edgerton	Keystone
HazMat	Edgerton Coop	1002 E 2ND ST	Edgerton	Propane
HazMat	Edgerton Coop	1002 E 2ND ST	Edgerton	Prowl
HazMat	Edgerton Coop	1002 E 2ND ST	Edgerton	Roundup Ultra Max



Johnson County Critical Facilities

Facility	Name	Address	City	Substance (if applicable)
HazMat	Edgerton Coop	1002 E 2ND ST	Edgerton	Glystar Plus
HazMat	Edgerton Coop	1002 E 2ND ST	Edgerton	roundup Orinical Max
School	Edgerton Elementary	400 W Nelson St	Edgerton	-
County Facility	Storage	309 E. Nelson	Edgerton, KS	-
County Facility	Edgerton Library	319-321 E. Nelson Street	Edgerton, KS	-
County Facility	Lanesfield Interpretive Center	18745 Dillie Rd.	Edgerton, KS	-
County Facility	Edgerton Radio Tower Site	710 E. Nelson	Edgerton, KS	-
County Facility	Edgerton Substation	309 E. Nelson	Edgerton, KS	-
County Facility	Lanesfield School Historic Site	18745 S. Dillie Road	Edgerton, KS	-
Government Office	Edgerton City Hall	404 E Nelson	Edgerton, KS	-
Police	Fairway Police	5252 Belinder Rd	Fairview	-
HazMat	Colt Energy - Effertz Leases	4350 SHAWNEE MISSION PKWY	Fairway	Crude Oil
County Facility	Belinder Holding Station	5700 Belinder	Fairway, KS	-
County Facility	Rock Creek Pumping Station	5801 Roe Blvd	Fairway, KS 66205	-
Government Office	Fairway City Hall	5252 Belinder Rd	Fairway, KS 66205	-
Fire Station	Dist 1, Stn 1	234 E PARK ST	Gardner	-
Fire Station	Gardner, Stn 1	440 E MAIN ST	Gardner	-
Fire Station	Gardner Pub Safety 2 Future		Gardner	-
HazMat	Sprint Communications Company L.P. - Gardner Cen	107 S ELM ST	Gardner	SULFURIC ACID
HazMat	Sprint Communications Company L.P. - Gardner Cen	107 S ELM ST	Gardner	Lead Compounds
HazMat	Cramer Products Inc	153 W WARREN ST	Gardner	Isopropyl Alcohol
HazMat	Cramer Products Inc	153 W WARREN ST	Gardner	Petrolatum
HazMat	Cramer Products Inc	153 W WARREN ST	Gardner	Sodium Chloride
HazMat	Cramer Products Inc	153 W WARREN ST	Gardner	Wood Resin FF
Nursing Home	Medicalodge of Gardner	223 Bedford St	Gardner	-
Nursing Home	Meadowbrook Rehab. Hospital	427 W Main St	Gardner	-
Nursing Home	Vintage Park of Gardner	869 Juniper Ter	Gardner	-
Police	Gardner Police	440 E Main St	Gardner	-
School	Gardner-Edgerton High	425 N Waverly Rd	Gardner	-
School	Sunflower Elementary	775 N Center St	Gardner	-
School	Wheatridge Middle	318 E Washington St	Gardner	-
School	Gardner Elementary	218 E Shawnee St	Gardner	-
School	Education Admin. Office	314 E. Washington St	Gardner	-
County Facility	Med-Act 1150, (Gardner Public Safety)	440 E. Main	Gardner, KS	-
County Facility	HSA MultiService Center - Gardner	112 S. Elm	Gardner, KS	-
County Facility	Gardner Library	137 E Shawnee	Gardner, KS	-
County Facility	JCDS - Agnes St	17371 S Agnes St	Gardner, KS 66030	-
County Facility	HSA Nutrition Site - Gardner	128 E Park St	Gardner, KS 66030	-
County Facility	JCDS - Ingrid	17390 S. Ingrid	Gardner, KS 66030	-
Government Office	Gardner City Hall	120 E Main St	Gardner, KS 66030	-



Johnson County Critical Facilities

Facility	Name	Address	City	Substance (if applicable)
County Facility				-
County Facility	Kill Creek #1		Johnson County	-
County Facility	Hangar D	200 Springhill Dr.	Johnson County	-
County Facility	Hangar E	200 Springhill Dr.	Johnson County	-
County Facility	Hangar C	200 Springhill Dr.	Johnson County	-
County Fuel Tank	New Century	228 Gardner Dr	Johnson County	-
County Fuel Tank	New Century	228 Gardner Dr	Johnson County	-
County Fuel Tank	New Century	50 Leawood Dr	Johnson County	-
County Fuel Tank	Heritage Park Maintenance	14025 W. 159th Street	Johnson County	-
County Fuel Tank	Heritage Park Maintenance	14025 W. 159th Street	Johnson County	-
County Fuel Tank	Heritage Park Golf Course	16445 S. Lackman Road	Johnson County	-
County Fuel Tank	Heritage Park Golf Course	16445 S. Lackman Road	Johnson County	-
County Fuel Tank	Kill Creek Park Maintenance	11770 Homestead Lane	Johnson County	-
County Fuel Tank	Kill Creek Park Maintenance	11770 Homestead Lane	Johnson County	-
County Fuel Tank	Heritage Park Maintenance	14025 W. 159th Street	Johnson County	-
Fire Station	Dist 1, Stn 3	490 NEW CENTURY PKWY	Johnson County	-
Fire Station	Overland Park, Stn 5	15935 METCALF RD	Johnson County	-
Fire Station	Dist 2, Stn 1	19495 METCALF RD	Johnson County	-
Fire Station	Dist 2, Stn 2	18475 MISSION RD	Johnson County	-
Fire Station	Dist 2, Stn 3	19065 LACKMAN RD	Johnson County	-
Fire Station	Gardner Pub Safety 3 Future		Johnson County	-
Fire Station	Dist 3, Stn 2	29520 W 127TH ST	Johnson County	-
HazMat	Petroleum Technologies Inc		Johnson County	Crude Oil
HazMat	Petroleum Technologies Inc		Johnson County	Crude Oil
HazMat	Petroleum Technologies Inc		Johnson County	BRINE
HazMat	Petroleum Technologies Inc		Johnson County	BRINE
HazMat	Petroleum Technologies Inc		Johnson County	BRINE
HazMat	Petroleum Technologies Inc		Johnson County	-
HazMat	Petroleum Technologies Inc		Johnson County	-
HazMat	Petroleum Technologies Inc		Johnson County	BRINE
HazMat	Petroleum Technologies Inc		Johnson County	Crude Oil
HazMat	Petroleum Technologies Inc		Johnson County	Crude Oil
HazMat	Petroleum Technologies Inc		Johnson County	Crude Oil
HazMat	Petroleum Technologies Inc		Johnson County	BRINE
HazMat	Petroleum Technologies Inc		Johnson County	Crude Oil
HazMat	Petroleum Technologies Inc		Johnson County	Crude Oil
HazMat	Petroleum Technologies Inc		Johnson County	Crude Oil
HazMat	Petroleum Technologies Inc		Johnson County	BRINE
Jail	Johnson County Sheriff	27745 W 159th St	Johnson County	-
School	Pleasant Ridge Middle	9000 W 165th St	Johnson County	-



Johnson County Critical Facilities

Facility	Name	Address	City	Substance (if applicable)
School	Blue Valley High	6001 W 159th St	Johnson County	-
School	Stilwell Elementary	6410 W 199th St	Johnson County	-
School	Hilltop Elementary	16740 W 175th	Johnson County	-
School	Moonlight Elementary	17960 S Moonlight Rd	Johnson County	-
School	Blue Valley West High	16200 Antioch Road	Johnson County	-
School	Cedar Hills Elementary	9100 W 165th St	Johnson County	-
School	Prairie Creek Elementary	17077 W 165th St	Johnson County	-
School	Future High	19701 S Ridgeview	Johnson County	-
School	Madison Elementary	800 W Madison St	Johnson County	-
School	Pinoer Ridge Middle	16200 Kill Creek Rd	Johnson County	-
School	Nike Elementary	19500 S Gardner Rd.	Johnson County	-
Sheriff	Johnson County Sheriff	27747 W 159th St	Johnson County	-
HazMat	Petroleum Technologies Inc - Knabe C Lease		Kansas City	BRINE
HazMat	Petroleum Technologies Inc - Knabe C Lease		Kansas City	Crude Oil
County Facility	Lake Quivira Antenna Site	100 Crescent Boulevard	Lake Quivara	-
Fire Station	Lake Quivira, Stn 1	10 CRESCENT DR	Lake Quivara	-
Government Office	Lake Quivira City Hall	10 Crescent Blvd	Lake Quivara	-
Police	Lake Quivira Police	10 Crescent Blvd	Lake Quivara	-
Fire Station	Leawood, Stn 1	9607 LEE BLVD	Leawood	-
Fire Station	Leawood, Stn 2	12701 MISSION RD	Leawood	-
Fire Station	Leawood, Stn 3	14801 MISSION RD	Leawood	-
HazMat	Johnson County Wastewater Tomahawk Facility	10701 LEE BLVD	Leawood	chlorine
HazMat	Jiffy Lube Store # 353	10300 STATE LINE RD	Leawood	motor oil
Nursing Home	Alterra Clare Bridge/Leawood	12724 State Line	Leawood	-
Nursing Home	The Homestead of Leawood	12720 State Line	Leawood	-
Nursing Home	Kansas City Orthopaedic Inst. LLC	3651 College	Leawood	-
Nursing Home	Grace Gardens/Leawood Assited Liv.	5201 W 143rd St	Leawood	-
Nursing Home	Doctors Specialty Hospital LLC	4901 College Blvd	Leawood	-
Police	Leawood Police	9617 Lee Blvd	Leawood	-
RadMat	BETA CHEM LABORATORY	10300 HOWE DR	LEAWOOD	-
School	Leawood Middle	2410 W 123rd St	Leawood	-
School	Prairie Star Middle	14201 Mission Rd	Leawood	-
School	Mission Trail Elementary	13200 Mission Rd	Leawood	-
School	Leawood Elementary	2400 W 123rd St	Leawood	-
School	Prairie Star Elementary	3800 W 143rd St	Leawood	-
School	Brookwood Elementary	3411 W 103rd St	Leawood	-
County Facility	Leawood Pioneer Branch	4700 Town Center Drive	Leawood, KS	-
County Facility	Leawood South Plant	12301 Mission Rd	Leawood, KS	-
County Facility	Med-Act 1149 (Leawood Fire Station #2)	12701 Mission Rd.	Leawood, KS	-
County Facility	Tomahawk Creek Plant	3300 W. 109th St.	Leawood, KS	-



Johnson County Critical Facilities

Facility	Name	Address	City	Substance (if applicable)
County Facility	Chlorine Building #2 (Incl Chlorine Gas Scrubber)	3300 W. 109th St.	Leawood, KS	-
Government Office	Leawood City Hall	4800 Town Center Dr	Leawood, KS	-
Fire Station	Lenexa, Stn 1	9620 PFLUMM RD	Lenexa	-
Fire Station	Lenexa, Stn 2	8725 LACKMAN RD	Lenexa	-
Fire Station	Lenexa, Stn 3	24000 PRAIRIE STAR PKWY	Lenexa	-
Fire Station	Lenexa, Stn 4	10855 EICHER DR	Lenexa	-
HazMat	T-Mobile USA Inc	7905 QUIVIRA RD	Lenexa	SULFURIC ACID
HazMat	T-Mobile USA Inc	7905 QUIVIRA RD	Lenexa	Diesel Fuel
HazMat	Kirk Welding Supply, Inc	9725 ALDEN ST	Lenexa	carbon dioxide
HazMat	Kirk Welding Supply, Inc	9725 ALDEN ST	Lenexa	oxygen
HazMat	Kirk Welding Supply, Inc	9725 ALDEN ST	Lenexa	nitrogen
HazMat	Kirk Welding Supply, Inc	9725 ALDEN ST	Lenexa	argon
HazMat	Kirk Welding Supply, Inc	9725 ALDEN ST	Lenexa	Ammonia (ANHYDROUS)
HazMat	Kirk Welding Supply, Inc	9725 ALDEN ST	Lenexa	chlorine
HazMat	Kirk Welding Supply, Inc	9725 ALDEN ST	Lenexa	hydrogen sulfide
HazMat	Shasta Beverages Co., Inc	9901 WIDMER RD	Lenexa	Ammonia (ANHYDROUS)
HazMat	Shasta Beverages Co., Inc	9901 WIDMER RD	Lenexa	chlorine
HazMat	Sprint Communications Company L.P. - Lenexa OSSC	15201 W 99TH ST	Lenexa	SULFURIC ACID
HazMat	Sprint Communications Company L.P. - Lenexa OSSC	15201 W 99TH ST	Lenexa	Diesel Fuel
HazMat	Sprint Communications Company L.P. - Lenexa OSSC	15201 W 99TH ST	Lenexa	halon 1301
HazMat	Sprint Communications Company L.P. - Lenexa OSSC	15201 W 99TH ST	Lenexa	Lead Compounds
HazMat	Sprint Communications Company L.P. - Kansas Reg/E	14625 W 100TH ST	Lenexa	SULFURIC ACID
HazMat	Sprint Communications Company L.P. - Kansas Reg/E	14625 W 100TH ST	Lenexa	Lead Compounds
HazMat	Sprint Communications Company L.P. - Lenexa Legl	9601 LEGLER RD	Lenexa	SULFURIC ACID
HazMat	Sprint Communications Company L.P. - Lenexa Legl	9601 LEGLER RD	Lenexa	Lead Compounds
HazMat	Sprint Communications Company L.P. - Lenexa Legl	9601 LEGLER RD	Lenexa	Diesel Fuel
HazMat	Sprint Communications Company L.P. - Lenexa Lake	10951 LAKEVIEW AVE	Lenexa	SULFURIC ACID
HazMat	Sprint Communications Company L.P. - Lenexa Lake	10951 LAKEVIEW AVE	Lenexa	Lead Compounds
HazMat	Sprint Communications Company L.P. - Lenexa Lake	10951 LAKEVIEW AVE	Lenexa	Diesel Fuel
HazMat	Sprint Communications Company L.P. - Lenexa PCS-	11211 LAKEVIEW AVE	Lenexa	SULFURIC ACID
HazMat	Sprint Communications Company L.P. - Lenexa PCS-	11211 LAKEVIEW AVE	Lenexa	Lead Compounds
HazMat	Sprint Communications Company L.P. - Lenexa PCS	15481 W 110TH ST	Lenexa	SULFURIC ACID



Johnson County Critical Facilities

Facility	Name	Address	City	Substance (if applicable)
HazMat	Sprint Communications Company L.P. - Lenexa PCS	15481 W 110TH ST	Lenexa	Lead Compounds
HazMat	Sprint Communications Company L.P. - Lenexa PCS	15481 W 110TH ST	Lenexa	Diesel Fuel
HazMat	Sprint Communications Company L.P. - Lenexa PCS	15620 W 113TH ST	Lenexa	SULFURIC ACID
HazMat	Sprint Communications Company L.P. - Lenexa PCS	15620 W 113TH ST	Lenexa	Lead Compounds
HazMat	Sprint Communications Company L.P. - Lenexa PCS	16020 W 113TH ST	Lenexa	SULFURIC ACID
HazMat	Sprint Communications Company L.P. - Lenexa PCS	16020 W 113TH ST	Lenexa	Lead Compounds
HazMat	Sprint Communications Company L.P. - Lenexa PCS	16020 W 113TH ST	Lenexa	Diesel Fuel
HazMat	Sprint Communications Company L.P. - Lenexa PCS	11300 CORPORATE AVE	Lenexa	SULFURIC ACID
HazMat	Sprint Communications Company L.P. - Lenexa PCS	11300 CORPORATE AVE	Lenexa	Lead Compounds
HazMat	Sprint Communications Company L.P. - Lenexa PCS	11300 CORPORATE AVE	Lenexa	Diesel Fuel
HazMat	Ringside Inc.	9650 DICE LN	Lenexa	carbon & alloy steels
HazMat	Cable and Wireless USA	8005 BOND ST	Lenexa	Diesel Fuel
HazMat	Cable and Wireless USA	8005 BOND ST	Lenexa	lead
HazMat	Cable and Wireless USA	8005 BOND ST	Lenexa	SULFURIC ACID
HazMat	AMCOR P.E.T. Packaging North America	9939 WIDMER RD	Lenexa	"Eastpak" Polymer 9921 W
HazMat	AMCOR P.E.T. Packaging North America	9939 WIDMER RD	Lenexa	Diala Oil AX 68745
HazMat	AMCOR P.E.T. Packaging North America	9939 WIDMER RD	Lenexa	Cleartuf 8006
HazMat	AMCOR P.E.T. Packaging North America	9939 WIDMER RD	Lenexa	VFR 10538
HazMat	AMCOR P.E.T. Packaging North America	9939 WIDMER RD	Lenexa	Polyester Bottle Resin
HazMat	AMCOR P.E.T. Packaging North America	9939 WIDMER RD	Lenexa	"Eastpak" Polymer CM01
HazMat	Southwestern Bell Mobile Systems 9532	9532 PFLUMM RD	Lenexa	Diesel Fuel
HazMat	Southwestern Bell Mobile Systems 9532	9532 PFLUMM RD	Lenexa	SULFURIC ACID
HazMat	Southwestern Bell Mobile System 11749	11749 W 112TH ST	Lenexa	SULFURIC ACID
HazMat	Magnum Products - Lenexa	15740 W 108TH ST	Lenexa	Polyethylene
HazMat	Magnum Products - Lenexa	15740 W 108TH ST	Lenexa	Plasters
HazMat	Magnum Products - Lenexa	15740 W 108TH ST	Lenexa	Attapulgitic products
HazMat	Magnum Products - Lenexa	15740 W 108TH ST	Lenexa	Hubercarb
HazMat	Magnum Products - Lenexa	15740 W 108TH ST	Lenexa	LV-9
HazMat	Magnum Products - Lenexa	15740 W 108TH ST	Lenexa	Mica Powder (Muscovite)
HazMat	Magnum Products - Lenexa	15740 W 108TH ST	Lenexa	Pyrax B
HazMat	Magnum Products - Lenexa	15740 W 108TH ST	Lenexa	Staramic 747 Starch
HazMat	Magnum Products - Lenexa	15740 W 108TH ST	Lenexa	TALC
HazMat	Magnum Products - Lenexa	15740 W 108TH ST	Lenexa	Cal bond R-21
HazMat	Magnum Products - Lenexa	15740 W 108TH ST	Lenexa	Magnum Joint Compound
HazMat	Magnum Products - Lenexa	15740 W 108TH ST	Lenexa	Joint Compounds Powder
HazMat	Magnum Products - Lenexa	15740 W 108TH ST	Lenexa	Methocel*250 Hydroxypropyl Methylcellulose
HazMat	Magnum Products - Lenexa	15740 W 108TH ST	Lenexa	Hydroxyethylcellulose Natrosol
HazMat	Magnum Products - Lenexa	15740 W 108TH ST	Lenexa	1 1/4 Cornerbead, "L" metal, and Open Angle Cornerbead
HazMat	Magnum Products - Lenexa	15740 W 108TH ST	Lenexa	Sheetrock Joint Tape



Johnson County Critical Facilities

Facility	Name	Address	City	Substance (if applicable)
HazMat	Magnum Products - Lenexa	15740 W 108TH ST	Lenexa	Magnum Drywall Textures S-1000, V -1000, R-1002 and R-1011
HazMat	Magnum Products - Lenexa	15740 W 108TH ST	Lenexa	Magnum Drywall Blend
HazMat	Magnum Products - Lenexa	15740 W 108TH ST	Lenexa	Methylhydroxypropylcellulose
HazMat	Magnum Products - Lenexa	15740 W 108TH ST	Lenexa	Nexton 3082R Water Soluble Polymer
HazMat	Magnum Products - Lenexa	15740 W 108TH ST	Lenexa	Hydrostone
HazMat	Magnum Products - Lenexa	15740 W 108TH ST	Lenexa	Airflex 531 BP Emulsion
HazMat	Penske Truck Leasing Co L.P.	17225 W 116TH ST	Lenexa	Diesel Fuel
HazMat	Kelly Co LLC	15547 W 109TH ST	Lenexa	Crude Oil
HazMat	Kelly Co LLC	15547 W 109TH ST	Lenexa	Emulsion Breaker
HazMat	Kelly Co LLC	15547 W 109TH ST	Lenexa	Corrosion Inhibitor
HazMat	Kelly Co LLC	15547 W 109TH ST	Lenexa	Salt Water
HazMat	Universal Engracing # 2	11801 W 86TH TER	Lenexa	Copper
HazMat	Sam's Club # 8208	12200 W 95TH ST	Lenexa	SULFURIC ACID
HazMat	Verizon Wireless - Lenexa MTSO	9725 PFLUMM RD	Lenexa	SULFURIC ACID
HazMat	Verizon Wireless - Lenexa MTSO	9725 PFLUMM RD	Lenexa	Diesel Fuel
HazMat	Verizon Wireless - Lenexa MTSO	9725 PFLUMM RD	Lenexa	Lead
HazMat	Comfort Products Distributing	14001 MARSHALL DR	Lenexa	Chlorodifluoromethane
HazMat	Wheeling Corrugating Company	9801 ALDEN ST	Lenexa	Diesel Fuel
HazMat	Coca Cola Bottling of Mid America	10001 INDUSTRIAL BLVD	Lenexa	Ammonia (ANHYDROUS)
HazMat	Coca Cola Bottling of Mid America	10001 INDUSTRIAL BLVD	Lenexa	Anthrafil
HazMat	Coca Cola Bottling of Mid America	10001 INDUSTRIAL BLVD	Lenexa	Calcium Hydroxide
HazMat	Coca Cola Bottling of Mid America	10001 INDUSTRIAL BLVD	Lenexa	Ferric Sulfate
HazMat	Coca Cola Bottling of Mid America	10001 INDUSTRIAL BLVD	Lenexa	carbon dioxide
HazMat	Coca Cola Bottling of Mid America	10001 INDUSTRIAL BLVD	Lenexa	SULFURIC ACID
HazMat	Coca Cola Bottling of Mid America	10001 INDUSTRIAL BLVD	Lenexa	Nitrogen, (Cryogenic Liquid)
HazMat	Coca Cola Bottling of Mid America	10001 INDUSTRIAL BLVD	Lenexa	SULFURIC ACID
HazMat	Coca Cola Bottling of Mid America	10001 INDUSTRIAL BLVD	Lenexa	Antracite coal
HazMat	Coca Cola Bottling of Mid America	10001 INDUSTRIAL BLVD	Lenexa	Glycol Ehter
HazMat	Coca Cola Bottling of Mid America	10001 INDUSTRIAL BLVD	Lenexa	Nitric Acid
HazMat	United Parcel Service	14650 SANTA FE TRAIL DR	Lenexa	Gasoline
HazMat	United Parcel Service	14650 SANTA FE TRAIL DR	Lenexa	Diesel Fuel
HazMat	J C Penney Catalog Center	10500 LACKMAN RD	Lenexa	Diesel Fuel
HazMat	J C Penney Catalog Center	10500 LACKMAN RD	Lenexa	Propane
HazMat	J C Penney Catalog Center	10500 LACKMAN RD	Lenexa	SULFURIC ACID
HazMat	J C Penney Catalog Center	10500 LACKMAN RD	Lenexa	halon 1301
HazMat	Vertis Retail Newspaper Services	14720 W 99TH ST	Lenexa	petroleum distillates in heatset web offset printing inks
HazMat	Vertis Retail Newspaper Services	14720 W 99TH ST	Lenexa	Cleaning Compounds in acid solution PSI 1966KC
HazMat	Vertis Retail Newspaper Services	14720 W 99TH ST	Lenexa	Cleaning Liquid Compounds-Z-cling 7140SA
HazMat	Midland Research Laboratories Inc	10850 MID AMERICA AVE	Lenexa	CYCLOHEXYLAMINE



Johnson County Critical Facilities

Facility	Name	Address	City	Substance (if applicable)
HazMat	Midland Research Laboratories Inc	10850 MID AMERICA AVE	Lenexa	HYDRAZINE
HazMat	Midland Research Laboratories Inc	10850 MID AMERICA AVE	Lenexa	Midland PC 6010 Chlorine Dioxide precursor
HazMat	Midland Research Laboratories Inc	10850 MID AMERICA AVE	Lenexa	sodium Bromide
HazMat	Midland Research Laboratories Inc	10850 MID AMERICA AVE	Lenexa	Sodium sulfite
HazMat	Midland Research Laboratories Inc	10850 MID AMERICA AVE	Lenexa	SULFURIC ACID
HazMat	Spec Plating Corporation	8291 MELROSE DR	Lenexa	Nitric Acid
HazMat	Spec Plating Corporation	8291 MELROSE DR	Lenexa	Potassium Cyanide
HazMat	Fedex Express -IXDA	14635 W 99TH ST	Lenexa	Gasoline
HazMat	Fedex Express -IXDA	14635 W 99TH ST	Lenexa	Diesel Fuel
HazMat	Southern Star Central Pipeline (Craig)	19600 W 87TH LN	Lenexa	Gas Engine Oil
HazMat	Southern Star Central Pipeline (Craig)	19600 W 87TH LN	Lenexa	Natural Gas Condensates, Gas
HazMat	SCP Distributors LLC	9802 WIDMER RD	Lenexa	Calcium Hypochlorite
HazMat	SCP Distributors LLC	9802 WIDMER RD	Lenexa	Trichloro-S-Triazinetrione
HazMat	SCP Distributors LLC	9802 WIDMER RD	Lenexa	Silicon Dioxide
HazMat	SCP Distributors LLC	9802 WIDMER RD	Lenexa	Vermiculite
HazMat	SCP Distributors LLC	9802 WIDMER RD	Lenexa	Sodium Hypochlorite Solution
HazMat	SCP Distributors LLC	9802 WIDMER RD	Lenexa	Diatomaceous Earth, Flux-calcined
HazMat	SCP Distributors LLC	9802 WIDMER RD	Lenexa	Hydrogen Chloride
HazMat	SCP Distributors LLC	9802 WIDMER RD	Lenexa	Cyanuric Acid
HazMat	SCP Distributors LLC	9802 WIDMER RD	Lenexa	Propylene Glycol
HazMat	SCP Distributors LLC	9802 WIDMER RD	Lenexa	Sodium Hydrogen Carbonate
HazMat	SCP Distributors LLC	9802 WIDMER RD	Lenexa	1-bromo-3-chloro-5, 5-dimethyl-hydantion
HazMat	SCP Distributors LLC	9802 WIDMER RD	Lenexa	Lithium Hypochlorite
HazMat	SCP Distributors LLC	9802 WIDMER RD	Lenexa	1-Hydroxyethylidene-1,-diphosphonic
HazMat	SCP Distributors LLC	9802 WIDMER RD	Lenexa	Calcium Chloride
HazMat	SCP Distributors LLC	9802 WIDMER RD	Lenexa	sodium Dichloro-s-triazinetriene
HazMat	Superior Pool Products LLC	9874 PFLUMM RD	Lenexa	sodium Dichloro-s-triazinetriene
HazMat	Superior Pool Products LLC	9874 PFLUMM RD	Lenexa	Propylene Glycol
HazMat	Superior Pool Products LLC	9874 PFLUMM RD	Lenexa	Calcium Hypochlorite
HazMat	Superior Pool Products LLC	9874 PFLUMM RD	Lenexa	Trichloro-S-Triazinetrione
HazMat	Superior Pool Products LLC	9874 PFLUMM RD	Lenexa	Silicon Dioxide
HazMat	Superior Pool Products LLC	9874 PFLUMM RD	Lenexa	Sodium Hydrogen Carbonate
HazMat	Superior Pool Products LLC	9874 PFLUMM RD	Lenexa	Vermiculite
HazMat	Superior Pool Products LLC	9874 PFLUMM RD	Lenexa	Cyanuric Acid
HazMat	Superior Pool Products LLC	9874 PFLUMM RD	Lenexa	Sodium Bisulfate
HazMat	Superior Pool Products LLC	9874 PFLUMM RD	Lenexa	Potassium Peroxymonosulfate
HazMat	Superior Pool Products LLC	9874 PFLUMM RD	Lenexa	Hydrochloric Acid
HazMat	Superior Pool Products LLC	9874 PFLUMM RD	Lenexa	1-Hydroxyethylidene-1,-diphosphonic
HazMat	Superior Pool Products LLC	9874 PFLUMM RD	Lenexa	Diatomaceous Earth
HazMat	Superior Pool Products LLC	9874 PFLUMM RD	Lenexa	PROPYLENE GLYCOL, Butoxydipropanol



Johnson County Critical Facilities

Facility	Name	Address	City	Substance (if applicable)
HazMat	Superior Pool Products LLC	9874 PFLUMM RD	Lenexa	Copper- Triethanolamine complex
HazMat	Superior Pool Products LLC	9874 PFLUMM RD	Lenexa	Copper- Triethanolamine complex
HazMat	Superior Pool Products LLC	9874 PFLUMM RD	Lenexa	1-bromo-3chloro-5,5-dimethyl-hydantion
HazMat	Wichita Southeast Kansas Transit	14401 W 97TH TER	Lenexa	DIESEL FUEL
HazMat	Moore Wallace North America	8460 FLINT ST	Lenexa	SULFURIC ACID
HazMat	Ryder Transportation Services #0381A	10003 LACKMAN RD	Lenexa	Diesel Fuel
HazMat	BWI Companies Inc., BWI - Kansas City	9831 LACKMAN RD	Lenexa	13-13-13 Boron Homogenous Fertilizer
HazMat	BWI Companies Inc., BWI - Kansas City	9831 LACKMAN RD	Lenexa	13-3-7, 20-3-4 NPK Fert + Weed Control
HazMat	BWI Companies Inc., BWI - Kansas City	9831 LACKMAN RD	Lenexa	20-3-4 Fert W/ Propendi Herb
HazMat	BWI Companies Inc., BWI - Kansas City	9831 LACKMAN RD	Lenexa	20-4-10 40%
HazMat	BWI Companies Inc., BWI - Kansas City	9831 LACKMAN RD	Lenexa	46-0-0 Urea
HazMat	BWI Companies Inc., BWI - Kansas City	9831 LACKMAN RD	Lenexa	Barricade
HazMat	BWI Companies Inc., BWI - Kansas City	9831 LACKMAN RD	Lenexa	Dimension Fertilizer
HazMat	BWI Companies Inc., BWI - Kansas City	9831 LACKMAN RD	Lenexa	Howard Johnson's Turf Fertilizer
HazMat	BWI Companies Inc., BWI - Kansas City	9831 LACKMAN RD	Lenexa	LEB CC 21-3-18 5.0 WIN
HazMat	BWI Companies Inc., BWI - Kansas City	9831 LACKMAN RD	Lenexa	Lebanon Pro 32-4-8 12 SCU
HazMat	BWI Companies Inc., BWI - Kansas City	9831 LACKMAN RD	Lenexa	Merit 0.5 G Insecticide
HazMat	BWI Companies Inc., BWI - Kansas City	9831 LACKMAN RD	Lenexa	Merit 025
HazMat	BWI Companies Inc., BWI - Kansas City	9831 LACKMAN RD	Lenexa	Snapshot 2.5 TG Herbicide
HazMat	BWI Companies Inc., BWI - Kansas City	9831 LACKMAN RD	Lenexa	18-3-18 Country Club
HazMat	BWI Companies Inc., BWI - Kansas City	9831 LACKMAN RD	Lenexa	Calcium Nitrate Fertilizer 15.5%N
HazMat	BWI Companies Inc., BWI - Kansas City	9831 LACKMAN RD	Lenexa	Dormant Oil
HazMat	BWI Companies Inc., BWI - Kansas City	9831 LACKMAN RD	Lenexa	Ferromec AC Liquid Iron 15-0-0
HazMat	BWI Companies Inc., BWI - Kansas City	9831 LACKMAN RD	Lenexa	Goal 2X Herbicide
HazMat	BWI Companies Inc., BWI - Kansas City	9831 LACKMAN RD	Lenexa	Honcho Plus Herbicide
HazMat	BWI Companies Inc., BWI - Kansas City	9831 LACKMAN RD	Lenexa	Howard Johnsons Mach 2 Plus Fertilizer
HazMat	BWI Companies Inc., BWI - Kansas City	9831 LACKMAN RD	Lenexa	Nitro 30 30-0-0
HazMat	BWI Companies Inc., BWI - Kansas City	9831 LACKMAN RD	Lenexa	Roundup Pro Herbicide
HazMat	BWI Companies Inc., BWI - Kansas City	9831 LACKMAN RD	Lenexa	Speed Zone Broadleaf Herbicide
HazMat	BWI Companies Inc., BWI - Kansas City	9831 LACKMAN RD	Lenexa	Surflan A S Herbicide
HazMat	BWI Companies Inc., BWI - Kansas City	9831 LACKMAN RD	Lenexa	Trimec 992
HazMat	Simplex Grinnell	13555 W 107TH ST	Lenexa	carbon dioxide
HazMat	Pitman Company	9900 PFLUMM RD	Lenexa	Hydroquinone
HazMat	Pack America Corporation	9635 WIDMER RD	Lenexa	SULFURIC ACID
HazMat	Pack America Corporation	9635 WIDMER RD	Lenexa	Inseal 30-5166 Ethylene Vinyl Acetate
HazMat	Pack America Corporation	9635 WIDMER RD	Lenexa	Vinyl Acetate Adhesive KY 729
HazMat	B/E Aerospace, Inc.	10800 PFLUMM RD	Lenexa	Oxygen, (Cryogenic Liquid)
HazMat	B/E Aerospace, Inc.	10800 PFLUMM RD	Lenexa	Sodium Chloride
HazMat	Costco #349	9350 MARSHALL DR	Lenexa	SULFURIC ACID
HazMat	Costco #349	9350 MARSHALL DR	Lenexa	Lead



Johnson County Critical Facilities

Facility	Name	Address	City	Substance (if applicable)
HazMat	Emerson Ventilation Products	10048 INDUSTRIAL BLVD	Lenexa	Argon
HazMat	Emerson Ventilation Products	10048 INDUSTRIAL BLVD	Lenexa	SULFURIC ACID
HazMat	Emerson Ventilation Products	10048 INDUSTRIAL BLVD	Lenexa	SULFURIC ACID
HazMat	Harbison - Walker Refractories Co.	14515 W 96TH TER	Lenexa	Alumiona Silicate
HazMat	Harbison - Walker Refractories Co.	14515 W 96TH TER	Lenexa	Aluminum Oxide
HazMat	Harbison - Walker Refractories Co.	14515 W 96TH TER	Lenexa	Cristobalite
HazMat	Harbison - Walker Refractories Co.	14515 W 96TH TER	Lenexa	Portland Cenent
HazMat	Harbison - Walker Refractories Co.	14515 W 96TH TER	Lenexa	Vitreous Silica
HazMat	Harbison - Walker Refractories Co.	14515 W 96TH TER	Lenexa	Hydrous Aluminum Silicate
HazMat	Harbison - Walker Refractories Co.	14515 W 96TH TER	Lenexa	Hydrous Aluminum Silicate
HazMat	Harbison - Walker Refractories Co.	14515 W 96TH TER	Lenexa	Quartz
HazMat	Harbison - Walker Refractories Co.	14515 W 96TH TER	Lenexa	Silicon Dioxide
HazMat	Harbison - Walker Refractories Co.	14515 W 96TH TER	Lenexa	Calcium Aluminate
HazMat	Harbison - Walker Refractories Co.	14515 W 96TH TER	Lenexa	Refractory Ceramic Fibers
HazMat	Jiffy Lube Store # 1628	13520 W 87TH ST PKWY	Lenexa	Motor Oil
HazMat	Machine Laboratory, Inc.	8040 BOND ST	Lenexa	Steel RS5214
HazMat	Machine Laboratory, Inc.	8040 BOND ST	Lenexa	Stell 1018
HazMat	Machine Laboratory, Inc.	8040 BOND ST	Lenexa	Steel 440FSE
HazMat	Machine Laboratory, Inc.	8040 BOND ST	Lenexa	Steel 430 FR
HazMat	Machine Laboratory, Inc.	8040 BOND ST	Lenexa	12L14
HazMat	Machine Laboratory, Inc.	8040 BOND ST	Lenexa	1215 Steel
HazMat	Machine Laboratory, Inc.	8040 BOND ST	Lenexa	Steel 416SS
HazMat	Machine Laboratory, Inc.	8040 BOND ST	Lenexa	Steel 303SS
HazMat	Sprint Communications Company Lenexa PCS Watersi	15405 COLLEGE BLVD	Lenexa	SULFURIC ACID
HazMat	Holland Corporation, Inc	9131 NOLAND RD	Lenexa	Diesel Oil, Medium
HazMat	Holland Corporation, Inc	9131 NOLAND RD	Lenexa	Diesel Fuel
HazMat	Holland Corporation, Inc	9131 NOLAND RD	Lenexa	Gasoline
HazMat	Kansas City Power & Light - Johnson County Servi	16215 W 108TH ST	Lenexa	Diesel Fuel
HazMat	Kansas City Power & Light - Johnson County Servi	16215 W 108TH ST	Lenexa	Gasoline
HazMat	Mid America Wastewater Treatment	14021 W 101ST ST	Lenexa	Ammonia (ANHYDROUS)
HazMat	Mid America Wastewater Treatment	14021 W 101ST ST	Lenexa	Sodium Hydroxide
HazMat	Shaw Industries, Inc. Plant 3K	16955 W 116TH ST	Lenexa	SULFURIC ACID
HazMat	Verizon Wireless - Lenexa Ks-MO RHQ	9725 PFLUMM RD	Lenexa	SULFURIC ACID
HazMat	Emerson Ventilation Products	13915 W 107TH ST	Lenexa	SULFURIC ACID
HazMat	IBM	11200 LAKEVIEW AVE	Lenexa	SULFURIC ACID
Nursing Home	Delmar Gardens of Lenexa	9701 Monrovia St	Lenexa	-
Nursing Home	Lakeview Village	9100 Park St	Lenexa	-
Nursing Home	Vintage Park at Lenexa	8710 Caenen Lake	Lenexa	-
Nursing Home	The Homestead of Lenexa	8740 Caenen Lake	Lenexa	-



Johnson County Critical Facilities

Facility	Name	Address	City	Substance (if applicable)
Nursing Home	Sunrise Assisted Living of Lenexa	15055 W 87th Pkwy	Lenexa	-
Police	Lenexa Police	12500 W 87th St	Lenexa	-
Police	Lenexa Police	23930 Prairie Star Pkwy	Lenexa	-
RadMat	CITY OF LENEXA	12350 W 87TH STREET PKWY	LENEXA	-
RadMat	CLINICAL REFERENCE LABORATORY	8433 QUIVIRA RD	LENEXA	-
RadMat	COMO TECH INC	27640 W 83RD ST	LENEXA	-
RadMat	EAGLE-PICHER INDUSTRIES	13605 W 96TH TERR	LENEXA	-
RadMat	GEORGE BUTLER ASSOCIATES	9801 RENNER BLV	LENEXA	-
RadMat	GEOSYSTEMS ENGINEERING INC	7802 BARTON AVE	LENEXA	-
RadMat	KRUGER TECHNOLOGIES INC	14705 W 114TH TERR	LENEXA	-
RadMat	PACE ANALYTICAL SERVICES I	9608 LOIRET BLV	LENEXA	-
RadMat	PHARMACEUTICAL RESEARCH A	16300 COLLEGE BLV	LENEXA	-
RadMat	QUINTILES INC	11250 CORPORATE AVE	LENEXA	-
RadMat	S O R	14685 W 105TH ST	LENEXA	-
RadMat	TERRACON INC	16000 COLLEGE BLV	LENEXA	-
RadMat	TRANSYSTEMS CORPORATION	8218 NIEMAN RD	LENEXA	-
School	Christa McAuliffe Elementary	15600 W 83rd St	Lenexa	-
School	Mill Creek Elementary	13951 W 79th St	Lenexa	-
School	Rising Star Elementary	8600 Candlelight Ln	Lenexa	-
School	Rosehill Elementary	9801 Rosehill Rd	Lenexa	-
School	Sunflower Elementary	8955 Loiret Blvd	Lenexa	-
School	Trailridge Middle	7500 Quivira Rd	Lenexa	-
School	Don Bonjour Elementary	9400 Pflumm Rd	Lenexa	-
School	Mill Creek Middle	8001 Mize Rd	Lenexa	-
School	Manchester Park Elementary	9810 Prairie Creek Rd	Lenexa	-
County Facility	Med-Act 1135, (Lenexa FD)	9224 Haskins	Lenexa, KS	-
County Facility	Lackman	15345 W. 87th Pkwy	Lenexa, KS	-
County Facility	Wastewater Storage	16101 W. 95th St.	Lenexa, KS	-
County Facility	JCDS - Satellite Site	15024 W. 106th	Lenexa, KS 66219	-
County Facility	HSA Nutrition Site - Lenexa	13425 Walnut	Lenexa, KS 66210	-
County Facility	HSA MultiService Center - North Central	12425 W. 87th Street Pkwy	Lenexa, KS 66215	-
County Facility	JCDS - Satellite Site	15012 W. 106th	Lenexa, KS 66219	-
County Facility	Offices & Workshop	10501 Lackman Road	Lenexa, KS 66219	-
County Facility	JCDS - Satellite Site	15016 W. 106th	Lenexa, KS 66219	-
County Facility	JCDS Annex - Satellite Site	15046 W. 106th	Lenexa, KS 66219	-
County Facility	Health Department Storage	16101 W. 95th Street	Lenexa, KS 66219	-
Government Office	Lenexa City Hall	12350 W 87th Street Pkwy,	Lenexa, KS 66219	-
County Fuel Tank	Antioch Park Maintenance	6501 Antioch Road	Merriam	-
County Fuel Tank	Antioch Park Maintenance	6501 Antioch Road	Merriam	-
County Fuel Tank	Antioch Park Maintenance	6501 Antioch Road	Merriam	-



Johnson County Critical Facilities

Facility	Name	Address	City	Substance (if applicable)
Fire Station	Merriam, Stn 1	9000 W 62ND TER	Merriam	-
HazMat	Concrete Materials Inc	9900 W 75TH ST	Merriam	Calcium Chloride
HazMat	Concrete Materials Inc	9900 W 75TH ST	Merriam	Flyash
HazMat	Concrete Materials Inc	9900 W 75TH ST	Merriam	Ground Granulated Blast Furnace Slag
HazMat	Concrete Materials Inc	9900 W 75TH ST	Merriam	MB AE 90 Air Entrained Agent
HazMat	Concrete Materials Inc	9900 W 75TH ST	Merriam	Polyheed 997
HazMat	Concrete Materials Inc	9900 W 75TH ST	Merriam	Portland Cenment
HazMat	Concrete Materials Inc	9900 W 75TH ST	Merriam	Pazzolith 220N
HazMat	Concrete Materials Inc	9900 W 75TH ST	Merriam	Pozzolith 534 NC
HazMat	Concrete Materials Inc	9900 W 75TH ST	Merriam	Polyheed 900
HazMat	Shawnee Mission Medical Center	W 74TH ST & GRANDVIEW ST	Merriam	Oxygen, (Cryogenic Liquid)
HazMat	Car Max #7173	6801 E FRONTAGE RD	Merriam	Gasoline
HazMat	Lucent Technologies	9510 W 67TH ST	Merriam	SULFURIC ACID
HazMat	Lucent Technologies	9510 W 67TH ST	Merriam	Copper
Hospital	Shawnee Mission Medical Center	9100 West 74th Street	Merriam	-
Nursing Home	Trinity Nursing and Rehab Center	9700 W 62nd St	Merriam	-
Nursing Home	South Park House	9322 W 50th Ter	Merriam	-
Police	Merriam Police	9010 E 62ND ST	Merriam	-
School	Crestview Elementary	6101 Craig Rd	Merriam	-
School	Merriam Park Elementary	6100 Mastin St	Merriam	-
County Facility	Med-Act 1131, (Merriam Fire Station)	9000 W. 62nd Terr	Merriam, KS	-
County Facility	Crisis Residential Facility/Breakthrough House	8901 W. 50th Terr.	Merriam, KS	-
County Facility	Crisis Residential Facility/Breakthrough Garage	8903 W. 50th Terr.	Merriam, KS	-
County Facility	Supplemental Support Bldg	6235 Slater	Merriam, KS	-
County Facility	Antioch	8700 Shawnee Mission Park	Merriam, KS	-
County Facility	JCDS - Mackey House	5738 Mackey St	Merriam, KS 66202	-
County Facility	57th St.	8536 W. 57th St.	Merriam, KS 66202	-
Government Office	Merriam City Hall	9000 W 62nd Ter	Merriam, KS 66202	-
County Facility	HSA Nutrition Site - Merriam/Shawnee Ctr	5701 Merriam Dr.	Merriam, KS 66203	-
County Fuel Tank	Myron K. Nelson	4800 Nall	Mission	-
County Fuel Tank	Myron K. Nelson	4800 Nall	Mission	-
Fire Station	Cons Dist 2, Stn 1	6400 MARTWAY ST	Mission	-
HazMat	Neff Printing Inc	7080 MARTWAY ST	Mission	-
HazMat	Neff Printing Inc	7080 MARTWAY ST	Mission	-
HazMat	Neff Printing Inc	7080 MARTWAY ST	Mission	-
HazMat	Neff Printing Inc	7080 MARTWAY ST	Mission	-
HazMat	Neff Printing Inc	7080 MARTWAY ST	Mission	-
HazMat	Neff Printing Inc	7080 MARTWAY ST	Mission	-
HazMat	Neff Printing Inc	7080 MARTWAY ST	Mission	-
HazMat	Neff Printing Inc	7080 MARTWAY ST	Mission	-
HazMat	Jiffy Lube Store # 1460	5850 BROADMOOR ST	Mission	-



Johnson County Critical Facilities

Facility	Name	Address	City	Substance (if applicable)
Nursing Home	Mission Springs Assisted Living I	5300 W 61st Pl	Mission	-
Nursing Home	Mission Springs Assisted Living II	5350 W 61st Pl	Mission	-
Police	Mission Police	6090 Woodson Rd	Mission	-
RadMat	DIAGNOSTIC TECHNOLOGY CONSULTANTS	5930 ROE AVE	MISSION	-
RadMat	MISSION MEDVET	5501 JOHNSON DR	MISSION	-
School	Horizons High	5900 Lamar Ave	Mission	-
School	Highlands Elementary	6200 Roe Ave	Mission	-
School	Rushton Elementary	6001 W 52nd St	Mission	-
HazMat	Indian Hills Country Club	6847 TOMAHAWK RD	Mission Hills	-
Government Office	Mission Hills City Hall	6300 State Line Rd	Mission	-
County Facility	Martway Holding Station	5395 Martway	Mission Hills	-
County Facility	Myron K Nelson Treatment Plant Cmplx, Mission Ma	48th & Nall	Mission, KS	-
County Facility	Turkey Creek Plant	47th & Nall	Mission, KS	-
County Facility	Process Water Building	48th and Nall	Mission, KS	-
County Facility	Final Settling Tank - 2 Tanks	47th & Nall	Mission, KS	-
County Facility	Hazardous Materials Collection Facility	5801 Foxridge Dr.	Mission, KS	-
County Facility	Hazardous Materials Collection Facility	5801 Foxridge Dr.	Mission, KS	-
County Facility	Hazardous Materials Collection Facility	5801 Foxridge Dr.	Mission, KS	-
County Facility	Hazardous Materials Collection Facility	5801 Foxridge Dr.	Mission, KS	-
County Facility	Storage of Command Post (Fire District #2)	6400 Martway	Mission, KS	-
County Facility	Foxridge Towers, Antenna Site	5700 Broadmoor	Mission, KS	-
County Facility	Northeast Offices	6000 Lamar Ave	Mission, KS 66202	-
County Facility	Radio Tower	6000 Lamar Ave	Mission, KS 66202	-
Government Office	Mission City Hall	6090 Woodson Rd	Mission, KS 66202	-
Government Office	Northeast Office County Office	6000 Lamar	Mission, KS 66202	-
Government Office	Motor Vehicle Registration	6000 Lamar	Mission, KS 66202	-
Government Office	Driver License Bureau	6507 Johnson Dr	Mission, KS 66202	-
County Facility	JCDS - Ash	5117 Ash	Mission, KS 66205	-
HazMat	Danisco Cultor USA, Inc	201 New Century Pkwy	New Century	-
HazMat	Danisco Cultor USA, Inc	201 New Century Pkwy	New Century	-
HazMat	Danisco Cultor USA, Inc	201 New Century Pkwy	New Century	-
HazMat	Danisco Cultor USA, Inc	201 New Century Pkwy	New Century	-
HazMat	Kerry Sweet Ingredients	400 PRAIRIE VILLAGE DR	New Century	-
HazMat	Kerry Sweet Ingredients	400 PRAIRIE VILLAGE DR	New Century	-
HazMat	Kerry Sweet Ingredients	400 PRAIRIE VILLAGE DR	New Century	-
HazMat	CFS West Holdings, Inc.	101 PRAIRIE VILLAGE DR	New Century	-
HazMat	CFS West Holdings, Inc.	101 PRAIRIE VILLAGE DR	New Century	-
HazMat	Sprint Communications Company L.P. - KRDC/North	600 NEW CENTURY PKWY	New Century	-



Johnson County Critical Facilities

Facility	Name	Address	City	Substance (if applicable)
HazMat	Sprint Communications Company L.P. - KRDC/North	600 NEW CENTURY PKWY	New Century	-
HazMat	Sprint Communications Company L.P. - KRDC/North	600 NEW CENTURY PKWY	New Century	-
HazMat	Executive Beechcraft Inc	280 GARDNER DR	New Century	-
HazMat	Executive Beechcraft Inc	280 GARDNER DR	New Century	-
HazMat	Unilever Bestfoods	27080 W 159TH ST	New Century	-
HazMat	De Elliotte Co., Inc.	201 PRAIRIE VILLAGE DR	New Century	-
HazMat	De Elliotte Co., Inc.	201 PRAIRIE VILLAGE DR	New Century	-
HazMat	Graphic Technology, Inc.	301 GARDNER DR	New Century	-
HazMat	Heartland Precision Fasteners. Inc.	301 PRAIRIE VILLAGE DR	New Century	-
HazMat	Heartland Precision Fasteners. Inc.	301 PRAIRIE VILLAGE DR	New Century	-
HazMat	Heartland Precision Fasteners. Inc.	301 PRAIRIE VILLAGE DR	New Century	-
HazMat	Heartland Precision Fasteners. Inc.	301 PRAIRIE VILLAGE DR	New Century	-
HazMat	Heartland Precision Fasteners. Inc.	301 PRAIRIE VILLAGE DR	New Century	-
HazMat	Heartland Precision Fasteners. Inc.	301 PRAIRIE VILLAGE DR	New Century	-
HazMat	Heartland Precision Fasteners. Inc.	301 PRAIRIE VILLAGE DR	New Century	-
HazMat	Heartland Precision Fasteners. Inc.	301 PRAIRIE VILLAGE DR	New Century	-
HazMat	Heartland Precision Fasteners. Inc.	301 PRAIRIE VILLAGE DR	New Century	-
HazMat	Heartland Precision Fasteners. Inc.	301 PRAIRIE VILLAGE DR	New Century	-
HazMat	Heartland Precision Fasteners. Inc.	301 PRAIRIE VILLAGE DR	New Century	-
HazMat	Heartland Precision Fasteners. Inc.	301 PRAIRIE VILLAGE DR	New Century	-
HazMat	Heartland Precision Fasteners. Inc.	301 PRAIRIE VILLAGE DR	New Century	-
HazMat	Heartland Precision Fasteners. Inc.	301 PRAIRIE VILLAGE DR	New Century	-
HazMat	Heartland Precision Fasteners. Inc.	301 PRAIRIE VILLAGE DR	New Century	-
HazMat	Heartland Precision Fasteners. Inc.	301 PRAIRIE VILLAGE DR	New Century	-
HazMat	Heartland Precision Fasteners. Inc.	301 PRAIRIE VILLAGE DR	New Century	-
HazMat	Heartland Precision Fasteners. Inc.	301 PRAIRIE VILLAGE DR	New Century	-
HazMat	Heartland Precision Fasteners. Inc.	301 PRAIRIE VILLAGE DR	New Century	-
HazMat	Heartland Precision Fasteners. Inc.	301 PRAIRIE VILLAGE DR	New Century	-
HazMat	Heartland Precision Fasteners. Inc.	301 PRAIRIE VILLAGE DR	New Century	-
HazMat	Heartland Precision Fasteners. Inc.	301 PRAIRIE VILLAGE DR	New Century	-
HazMat	Heartland Precision Fasteners. Inc.	301 PRAIRIE VILLAGE DR	New Century	-
HazMat	Heartland Precision Fasteners. Inc.	301 PRAIRIE VILLAGE DR	New Century	-
HazMat	Heartland Precision Fasteners. Inc.	301 PRAIRIE VILLAGE DR	New Century	-
County Facility	14' x 70' Office Trailer	404 Mission Drive, New Ce	New Century	-
County Facility	Fred Allenbrand Criminal Justice	27745 W. 159th Street	New Century, KS	-
County Facility	Operations Center	27747 W. 159th Street	New Century, KS	-
County Facility	NORAD Building 400	400 Mission Parkway	New Century, KS	-
County Facility	NORAD Building 401	401 Mission Parkway	New Century, KS	-



Johnson County Critical Facilities

Facility	Name	Address	City	Substance (if applicable)
County Facility	NORAD Building 402	402 Mission Parkway	New Century, KS	-
County Facility	Community Corrections Ctr, Building 1	101 Roeland Park	New Century, KS	-
County Facility	Community Corrections Ctr, Building 3	101 Roeland Park	New Century, KS	-
County Facility	New Century AirCenter, Admin Office, Building 9	1 New Century Pkwy	New Century, KS	-
County Facility	Howell Mfg., Building 114	201 Overland Park Place	New Century, KS	-
County Facility	Executive, Beechcraft	#1 Aero Plaza	New Century, KS	-
County Facility	T-Hanger, Hangar A	#3 Aero Plaza	New Century, KS	-
County Facility	T-Hanger, Hangar B	#4 Aero Plaza	New Century, KS	-
County Facility	Dodson International	#2 Aero Plaza	New Century, KS	-
County Facility	Royal Tractor Building	100 Mission Woods Drive	New Century, KS	-
County Facility	Kings Avionics	280 Gardner Drive (Buildi	New Century, KS	-
County Facility	Kings Avionics	290 Gardner Drive (Buildi	New Century, KS	-
County Facility	Kings Avionics	294 Gardner Drive (Buildi	New Century, KS	-
County Facility	Fire Station #3	490 New Century Pkwy	New Century, KS	-
County Facility	Little Bull Creek SSD #2	50 Leawood Dr.	New Century, KS	-
County Facility	Above Ground Water Tank		New Century, KS	-
County Facility	Grinsted Sewer Pumping Station		New Century, KS	-
County Facility	Main Water Treatment Plant Pumping Station		New Century, KS	-
County Facility	South Sewer Pumping Station		New Century, KS	-
County Facility	South Water Pumping Station		New Century, KS	-
County Facility	Countywide Communications Center	399 Mission Parkway	New Century, KS	-
County Facility	North Water Pumping Station	Building 39B New Century	New Century, KS	-
County Facility	Water Treatment Plant		New Century, KS	-
County Facility	Community Corrections Ctr, Building 2	101 Roeland Park	New Century, KS	-
County Facility	Kings Avionics	294 Gardner Drive (Buildi	New Century, KS	-
County Facility	Headworks Screen Rm. & Grit Removal	50 Leawood Dr.	New Century, KS	-
County Facility	Archives - Bldg #16	One Industrial Parkway	New Century, KS	-
County Facility	Programs Building	141 Mission Parkway	New Century, KS	-
County Facility	Housing Building, Building 4	173 Mission Parkway	New Century, KS	-
County Facility	Construction Trailer	401 Mission Parkway	New Century, KS	-
County Facility	Construction Trailer	401 Mission Parkway	New Century, KS	-
County Facility	Construction Trailer	402 Mission Parkway	New Century, KS	-
County Facility	Mobile Restroom Trailer	402 Mission Parkway	New Century, KS	-
County Facility	Maintenance Garage, Building 28	228 Gardner Drive	New Century, KS	-
County Fuel Tank	Public Works Headquarters	1800 West 56 Highway	Olathe	-
County Fuel Tank	Public Works Headquarters	1800 West 56 Highway	Olathe	-
County Fuel Tank	Executive	15335 Pflumm Rd	Olathe	-
County Fuel Tank	Executive	15335 Pflumm Rd	Olathe	-
County Fuel Tank	Public Works Transit Building	1701 West 56 Highway	Olathe	-
County Fuel Tank	Public Works Transit Building	1701 West 56 Highway	Olathe	-



Johnson County Critical Facilities

Facility	Name	Address	City	Substance (if applicable)
County Fuel Tank	Public Works Transit Building	1701 West 56 Highway	Olathe	-
Fire Station	Olathe, Stn 2	1705 N RENNER RD	Olathe	-
Fire Station	Olathe, Stn 3	14940 W 143RD ST	Olathe	-
Fire Station	Olathe, Stn 4	13301 MUR-LEN RD	Olathe	-
Fire Station	Olathe, Stn 5	1128 W SPRUCE RD	Olathe	-
Fire Station	Olathe, Stn 6	24200 COLLEGE BLVD	Olathe	-
Fire Station	Olathe, Stn 1	501 E US56 HWY	Olathe	-
Fire Station	Olathe, Stn 7	16040 S MUR-LEN RD	Olathe	-
HazMat	City of Olathe Water Treatment Plant # 1	600 S CURTIS ST	Olathe	-
HazMat	City of Olathe Water Treatment Plant # 1	600 S CURTIS ST	Olathe	-
HazMat	City of Olathe Water Treatment Plant # 2	27065 W 83RD ST	Olathe	-
HazMat	Century Concrete - Olathe	1340 W 149TH ST	Olathe	-
HazMat	Century Concrete - Olathe	1340 W 149TH ST	Olathe	-
HazMat	Century Concrete - Olathe	1340 W 149TH ST	Olathe	-
HazMat	Century Concrete - Olathe	1340 W 149TH ST	Olathe	-
HazMat	Century Concrete - Olathe	1340 W 149TH ST	Olathe	-
HazMat	Century Concrete - Olathe	1340 W 149TH ST	Olathe	-
HazMat	Sysco Food Services of Kansas City	1915 E KANSAS CITY RD	Olathe	-
HazMat	Sysco Food Services of Kansas City	1915 E KANSAS CITY RD	Olathe	-
HazMat	Sysco Food Services of Kansas City	1915 E KANSAS CITY RD	Olathe	-
HazMat	Sysco Food Services of Kansas City	1915 E KANSAS CITY RD	Olathe	-
HazMat	Sysco Food Services of Kansas City	1915 E KANSAS CITY RD	Olathe	-
HazMat	Sysco Food Services of Kansas City	1915 E KANSAS CITY RD	Olathe	-
HazMat	Sysco Food Services of Kansas City	1915 E KANSAS CITY RD	Olathe	-
HazMat	Sysco Food Services of Kansas City	1915 E KANSAS CITY RD	Olathe	-
HazMat	ExxonMobil	1400 S HARRISON ST	Olathe	-
HazMat	ExxonMobil	1400 S HARRISON ST	Olathe	-
HazMat	ExxonMobil	1400 S HARRISON ST	Olathe	-
HazMat	ExxonMobil	1400 S HARRISON ST	Olathe	-
HazMat	ExxonMobil	1400 S HARRISON ST	Olathe	-
HazMat	ExxonMobil	1400 S HARRISON ST	Olathe	-
HazMat	ExxonMobil	1400 S HARRISON ST	Olathe	-
HazMat	ExxonMobil	1400 S HARRISON ST	Olathe	-
HazMat	ExxonMobil	1400 S HARRISON ST	Olathe	-
HazMat	ExxonMobil	1400 S HARRISON ST	Olathe	-
HazMat	ExxonMobil	1400 S HARRISON ST	Olathe	-
HazMat	ExxonMobil	1400 S HARRISON ST	Olathe	-
HazMat	ExxonMobil	1400 S HARRISON ST	Olathe	-
HazMat	ExxonMobil	1400 S HARRISON ST	Olathe	-
HazMat	ExxonMobil	1400 S HARRISON ST	Olathe	-



Johnson County Critical Facilities

Facility	Name	Address	City	Substance (if applicable)
HazMat	ExxonMobil	1400 S HARRISON ST	Olathe	-
HazMat	ExxonMobil	1400 S HARRISON ST	Olathe	-
HazMat	ExxonMobil	1400 S HARRISON ST	Olathe	-
HazMat	ExxonMobil	1400 S HARRISON ST	Olathe	-
HazMat	ExxonMobil	1400 S HARRISON ST	Olathe	-
HazMat	ExxonMobil	1400 S HARRISON ST	Olathe	-
HazMat	ExxonMobil	1400 S HARRISON ST	Olathe	-
HazMat	ExxonMobil	1400 S HARRISON ST	Olathe	-
HazMat	ExxonMobil	1400 S HARRISON ST	Olathe	-
HazMat	ExxonMobil	1400 S HARRISON ST	Olathe	-
HazMat	ExxonMobil	1400 S HARRISON ST	Olathe	-
HazMat	McAnany Oil Co Inc	1125 W 149TH ST	Olathe	-
HazMat	Southwestern Bell Mobile Systems 114	114 N WATER ST	Olathe	-
HazMat	Southwestern Bell Mobile Systems 114	114 N WATER ST	Olathe	-
HazMat	Kansas City Aviation Center	15325 S PFLUMM RD	Olathe	-
HazMat	Kansas City Aviation Center	15325 S PFLUMM RD	Olathe	-
HazMat	ITW Dymon	805 E OLD 56 HWY	Olathe	-
HazMat	ITW Dymon	805 E OLD 56 HWY	Olathe	-
HazMat	ITW Dymon	805 E OLD 56 HWY	Olathe	-
HazMat	ITW Dymon	805 E OLD 56 HWY	Olathe	-
HazMat	ITW Dymon	805 E OLD 56 HWY	Olathe	-
HazMat	ITW Dymon	805 E OLD 56 HWY	Olathe	-
HazMat	ITW Dymon	805 E OLD 56 HWY	Olathe	-
HazMat	ITW Dymon	805 E OLD 56 HWY	Olathe	-
HazMat	ITW Dymon	805 E OLD 56 HWY	Olathe	-
HazMat	ITW Dymon	805 E OLD 56 HWY	Olathe	-
HazMat	ITW Dymon	805 E OLD 56 HWY	Olathe	-
HazMat	ITW Dymon	805 E OLD 56 HWY	Olathe	-
HazMat	ITW Dymon	805 E OLD 56 HWY	Olathe	-
HazMat	Pepsi Cola General Bottlers	1775 E KANSAS CITY RD	Olathe	-
HazMat	Pepsi Cola General Bottlers	1775 E KANSAS CITY RD	Olathe	-
HazMat	Pepsi Cola General Bottlers	1775 E KANSAS CITY RD	Olathe	-
HazMat	NuCo2 Inc	15350 S KEELER ST	Olathe	-
HazMat	Nitrogen Air Pressue Co Inc	15080 W 116TH ST	Olathe	-
HazMat	Nitrogen Air Pressue Co Inc	15080 W 116TH ST	Olathe	-
HazMat	KM Interstate Gas Transmission - Kenneth Rd Faci	3401 W 159TH ST	Olathe	-
HazMat	Federal Aviation Administration	250 S ROGERS RD	Olathe	-
HazMat	Vectron International Olathe Inc	620 N LINDENWOOD DR	Olathe	-
HazMat	Vectron International Olathe Inc	620 N LINDENWOOD DR	Olathe	-
HazMat	Honeywell - Olathe	23500 W 105TH ST	Olathe	-



Johnson County Critical Facilities

Facility	Name	Address	City	Substance (if applicable)
HazMat	Honeywell - Olathe	23500 W 105TH ST	Olathe	-
HazMat	Honeywell - Olathe	23500 W 105TH ST	Olathe	-
HazMat	Marble Creations Inc	1401 W OTT ST	Olathe	-
HazMat	Marley Cooling Technologies	1200 W MARLEY RD	Olathe	-
HazMat	LaFarge N A Inc - Olathe RM Plant	901 E OLD 56 HWY	Olathe	-
HazMat	LaFarge N A Inc - Olathe RM Plant	901 E OLD 56 HWY	Olathe	-
HazMat	LaFarge N A Inc - Olathe RM Plant	901 E OLD 56 HWY	Olathe	-
HazMat	LaFarge N A Inc - Olathe RM Plant	901 E OLD 56 HWY	Olathe	-
HazMat	LaFarge N A Inc - Olathe RM Plant	901 E OLD 56 HWY	Olathe	-
HazMat	LaFarge N A Inc - Olathe RM Plant	901 E OLD 56 HWY	Olathe	-
HazMat	Performance Plating Inc	435 S KANSAS AVE	Olathe	-
HazMat	Performance Plating Inc	435 S KANSAS AVE	Olathe	-
HazMat	Geiger Ready Mix Co Inc	875 E OLD 56 HWY	Olathe	-
HazMat	Geiger Ready Mix Co Inc	875 E OLD 56 HWY	Olathe	-
HazMat	Geiger Ready Mix Co Inc	875 E OLD 56 HWY	Olathe	-
HazMat	Geiger Ready Mix Co Inc	875 E OLD 56 HWY	Olathe	-
HazMat	Electrolux Construction Products	17400 W 119TH ST	Olathe	-
HazMat	Magellan Olathe Terminal	13745 W 135TH ST	Olathe	-
HazMat	Magellan Olathe Terminal	13745 W 135TH ST	Olathe	-
HazMat	W R Grace & Co - Conn GCP	701 S KANSAS AVE	Olathe	-
HazMat	W R Grace & Co - Conn GCP	701 S KANSAS AVE	Olathe	-
HazMat	W R Grace & Co - Conn GCP	701 S KANSAS AVE	Olathe	-
HazMat	W R Grace & Co - Conn GCP	701 S KANSAS AVE	Olathe	-
HazMat	W R Grace & Co - Conn GCP	701 S KANSAS AVE	Olathe	-
HazMat	W R Grace & Co - Conn GCP	701 S KANSAS AVE	Olathe	-
HazMat	W R Grace & Co - Conn GCP	701 S KANSAS AVE	Olathe	-
HazMat	W R Grace & Co - Conn GCP	701 S KANSAS AVE	Olathe	-
HazMat	W R Grace & Co - Conn GCP	701 S KANSAS AVE	Olathe	-
HazMat	W R Grace & Co - Conn GCP	701 S KANSAS AVE	Olathe	-
HazMat	W R Grace & Co - Conn GCP	701 S KANSAS AVE	Olathe	-
HazMat	W R Grace & Co - Conn GCP	701 S KANSAS AVE	Olathe	-
HazMat	W R Grace & Co - Conn GCP	701 S KANSAS AVE	Olathe	-
HazMat	W R Grace & Co - Conn GCP	701 S KANSAS AVE	Olathe	-
HazMat	W R Grace & Co - Conn GCP	701 S KANSAS AVE	Olathe	-
HazMat	W R Grace & Co - Conn GCP	701 S KANSAS AVE	Olathe	-
HazMat	W R Grace & Co - Conn GCP	701 S KANSAS AVE	Olathe	-
HazMat	W R Grace & Co - Conn GCP	701 S KANSAS AVE	Olathe	-
HazMat	W R Grace & Co - Conn GCP	701 S KANSAS AVE	Olathe	-
HazMat	W R Grace & Co - Conn GCP	701 S KANSAS AVE	Olathe	-
HazMat	W R Grace & Co - Conn GCP	701 S KANSAS AVE	Olathe	-
HazMat	A T & T - Olathe	15085 W 116TH ST	Olathe	-



Johnson County Critical Facilities

Facility	Name	Address	City	Substance (if applicable)
HazMat	Tyson Foods Inc - Olathe Distribution Center	20701 W 159TH ST	Olathe	-
HazMat	Tyson Foods Inc - Olathe Distribution Center	20701 W 159TH ST	Olathe	-
HazMat	The Industrial Fumigant Company	19745 W 159TH ST	Olathe	-
HazMat	The Industrial Fumigant Company	19745 W 159TH ST	Olathe	-
HazMat	Superior Bowen Asphalt Company	23555 W 151ST ST	Olathe	-
HazMat	Superior Bowen Asphalt Company	23555 W 151ST ST	Olathe	-
HazMat	Superior Bowen Asphalt Company	23555 W 151ST ST	Olathe	-
HazMat	Superior Bowen Asphalt Company	23555 W 151ST ST	Olathe	-
HazMat	Superior Bowen Asphalt Company	23555 W 151ST ST	Olathe	-
HazMat	Superior Bowen Asphalt Company	23555 W 151ST ST	Olathe	-
HazMat	ADM Arkady	100 S PANIPLUS RDWY	Olathe	-
HazMat	Asphalt Sales Company, Inc	23200 W 159TH ST	Olathe	-
HazMat	Jiffy Lube Store # 244	1114 E SANTA FE ST	Olathe	-
HazMat	Jiffy Lube Store # 2908	15305 W 135TH ST	Olathe	-
HazMat	Rental Service Corporation #298	11615 S ROGERS RD	Olathe	-
HazMat	Shawnee Rock Co, Plant # 1 - Lone Elm	1600 W 151ST ST	Olathe	-
HazMat	Shawnee Rock Co, Plant # 1 - Lone Elm	1600 W 151ST ST	Olathe	-
HazMat	Webco Manufacturing, Inc.	15750 S KEELER TER	Olathe	-
HazMat	Webco Manufacturing, Inc.	15750 S KEELER TER	Olathe	-
HazMat	Webco Manufacturing, Inc.	15750 S KEELER TER	Olathe	-
HazMat	Cintas Corp	2050 E KANSAS CITY RD	Olathe	-
HazMat	Cintas Corp	2050 E KANSAS CITY RD	Olathe	-
HazMat	Cintas Corp	2050 E KANSAS CITY RD	Olathe	-
HazMat	Cintas Corp	2050 E KANSAS CITY RD	Olathe	-
HazMat	Desco Coatings, Inc	616 N ROGERS RD	Olathe	-
HazMat	Jiffy Lube Store # 3041	20015 W 153RD ST	Olathe	-
Hospital	Olathe Medical Center	20333 West 151st Street	Olathe	-
Jail	Johnson County Adult Detention	101 N Kansas Ave	Olathe	-
Jail	Johnson County Juvenile Detention Center	915 W Spruce St	Olathe	-
Nursing Home	Royal Terrace Nursing/Rehab Center	201 E Flaming Rd	Olathe	-
Nursing Home	Johnson County Nursing Center	11875 S Sunset	Olathe	-
Nursing Home	Olathe Good Samaritan Center	20705 W 151st St	Olathe	-
Nursing Home	Pinnacle Ridge Nursing/Rehab Ctr.	400 S Rogers Rd	Olathe	-
Nursing Home	Villa St Francis	16600 W 126th St	Olathe	-
Nursing Home	Aberdeen Village	17500 W 119th St	Olathe	-
Nursing Home	The Homestead of Olathe North	791 Somerset Ter	Olathe	-
Nursing Home	The Homestead of Olathe South	751 Somerset Ter	Olathe	-
Nursing Home	Assisted Lifestyles	625 Lincoln	Olathe	-
Nursing Home	Cedar Lake Village	15325 Lone Elm Rd	Olathe	-
Nursing Home	Bethesda Lutheran Homes/Faith 1	14155 W 113th St	Olathe	-
Nursing Home	Bethesda Lutheran Homes/Faith 2	14175 W 113th St	Olathe	-



Johnson County Critical Facilities

Facility	Name	Address	City	Substance (if applicable)
Nursing Home	Bethesda Lutheran Homes/Faith 3	14235 W 113th St	Olathe	-
Nursing Home	Hoeger House	20911 W 153rd St	Olathe	-
Police	Olathe Police	501 E Old 56 Hwy	Olathe	-
RadMat	CITY OF OLATHE	100 E SANTA FE ST	OLATHE	-
RadMat	HONEYWELL INTERNATIONAL	23500 W 105TH ST	OLATHE	-
RadMat	OLATHE MEDICAL CENTER	20333 W 151ST ST	OLATHE	-
School	Liberty View Elementary	14800 S Greenwood St	Olathe	-
School	Havencroft Elementary	1700 E Sheridan St	Olathe	-
School	Briarwood Elementary	14101 S Brougham Dr	Olathe	-
School	Tomahawk Elementary	13820 S Brougham Dr	Olathe	-
School	Prairie Center Elementary	629 N Persimmon Dr	Olathe	-
School	Washington Elementary	1202 N Ridgeview Rd	Olathe	-
School	Olathe North High	600 E Prairie St	Olathe	-
School	Countryside Elementary	15800 W 124th Ter	Olathe	-
School	Heatherstone Elementary	13745 W 123rd St	Olathe	-
School	Walnut Grove Elementary	11800 Pflumm Rd	Olathe	-
School	Scarborough Elementary	2000 S Lindenwood Dr	Olathe	-
School	Olathe Northwest High School	21300 W College Blvd	Olathe	-
School	Regency Place Elementary	13250 S Greenwood St	Olathe	-
School	Lone Elm Service Building	21800 W 107th St	Olathe	-
School	Ravenwood Elementary	12211 S Clinton St	Olathe	-
School	Education Admin. Office	14160 Black Bob Rd	Olathe	-
School	Brougham Elementary	15500 S Brougham Dr	Olathe	-
School	Ridgeview Elementary	1201 E Elm St	Olathe	-
School	Meadow Lane Elementary	21880 College Blvd	Olathe	-
School	Black Bob Elementary	14701 S Brougham Dr	Olathe	-
School	Chisholm Trail Middle	16700 W 159th St	Olathe	-
School	Olathe South High	1640 E 151st St	Olathe	-
School	Santa Fe Trail Middle	1100 N Ridgeview Rd	Olathe	-
School	W Dennis Support Center B	1021 S Pitt St	Olathe	-
School	Heartland Learning Center	1700 W Sheridan St	Olathe	-
School	Prairie Learning Center	1400 W Santa Fe St	Olathe	-
School	Jo Co Detention Center	915 W Spruce St	Olathe	-
School	Instructional Materials Center	14090 Black Bob Rd	Olathe	-
School	Sunny Side Elementary	16025 S Lindenwood Dr	Olathe	-
School	Indian Trail Middle	1440 E 151st St	Olathe	-
School	Fairview Elementary	600 N Marion St	Olathe	-
School	Westview Elementary	601 S Lee St	Olathe	-
School	Clearwater Creek Elementary	930 S Clearwater Creek Dr	Olathe	-
School	Oregon Trail Middle	1800 W Dennis Ave	Olathe	-



Johnson County Critical Facilities

Facility	Name	Address	City	Substance (if applicable)
School	Rolling Ridge Elementary	1500 W Elm Ter	Olathe	-
School	Pioneer Trail Middle	15100 W 127th St	Olathe	-
School	College Blvd Activity Center	11031 S. Valley Rd	Olathe	-
School	Food Production Center	14140 Black Bob Rd	Olathe	-
School	W Dennis Support Center A and C	1005 S Pitt St	Olathe	-
School	USD 233 Transportation Center	18950 W 157th Ter	Olathe	-
School	Harmony Early Childhood Center	14030 S Black Bob Rd	Olathe	-
School	Clare Alternative Learning Center	540 S Rogers Rd	Olathe	-
School	Junior High #9	N Persimmion Dr	Olathe	-
School	Mahaffie Elementary	1300 N Nelson Rd	Olathe	-
School	Olathe East High	14545 W 127th St	Olathe	-
School	Cedar Creek Elementary	11150 S Clare Rd	Olathe	-
School	Prairie Trail Middle	21600 W 107th St	Olathe	-
School	Northview Elementary	905 N Walker St	Olathe	-
School	Heritage Elementary	1700 E Pawnee Dr	Olathe	-
School	Central Elementary	324 S Water St	Olathe	-
School	Green Springs Elementary	14675 S Alden St	Olathe	-
School	California Trail Middle	13775 W 133rd St	Olathe	-
School	Frontier Trail Middle	15300 W 143rd St	Olathe	-
School	Arbor Creek Elementary	16150 S Brougham Dr	Olathe	-
School	N. Lindenwood Support Center	315 N Lindenwood St	Olathe	-
School	Millcreek Center	311 E Park St	Olathe	-
School	Activity Center	21201 W 159th St	Olathe	-
School	Operational Service Center	1500 W 56 Hwy	Olathe	-
School	Indian Creek Elementary	15800 W Indian Creek Pkwy	Olathe	-
School	ACCESS Program	650 SLindenwood Dr	Olathe	-
School	Madison Place Elementary	16651 S Warwick St	Olathe	-
School	Woodland Elementary	11601 S Woodland Rd	Olathe	-
School	Forest View Elementary	12567 S Canyon Dr	Olathe	-
Sheriff	Johnson County Sheriff	125 N Cherry St	Olathe	-
County Facility	Med-Act 1156, (Olathe FD)	24200 W. 111th Street	Olathe, KS	-
County Facility	Med-Act Support Services	205 E. Flaming Drive	Olathe, KS	-
County Facility	Juvenile Field Services & Corrections Admin	131-139 S. Kansas Avenue	Olathe, KS	-
County Facility	Administration Building	111 S. Cherry	Olathe, KS	-
County Facility	Election Commission	2101 E Kansas City Road	Olathe, KS	-
County Facility	Juvenile Detention	915 W. Spruce	Olathe, KS	-
County Facility	Central Warehouse	135 S. Fir	Olathe, KS	-
County Facility	Mental Health Center	1125 W. Spruce	Olathe, KS	-
County Facility	Hanger K	15100 Pflumm	Olathe, KS	-
County Facility	Executive Airport, Maintenance Garage	15335 Pflumm Road	Olathe, KS	-



Johnson County Critical Facilities

Facility	Name	Address	City	Substance (if applicable)
County Facility	Public Works Office	1800 W. Old 56 Hwy	Olathe, KS	-
County Facility	Central Transmitting, Antenna Site	19100 W. 119th St.	Olathe, KS	-
County Facility	Hanger L	15100 Pflumm	Olathe, KS	-
County Facility	Hanger M	15100 Pflumm	Olathe, KS	-
County Facility	Hanger N	15100 Pflumm	Olathe, KS	-
County Facility	Hanger R	15100 Pflumm	Olathe, KS	-
County Facility	Hanger S	15100 Pflumm	Olathe, KS	-
County Facility	Hanger T	15100 Pflumm	Olathe, KS	-
County Facility	Hanger P	15100 Pflumm	Olathe, KS	-
County Facility	Hanger O	15100 Pflumm	Olathe, KS	-
County Facility	Air Traffic Control Tower	15100 Pflumm	Olathe, KS	-
County Facility	Kansas City Aviation Center	15100 Pflumm	Olathe, KS	-
County Facility	Kansas City Aviation Center	15100 Pflumm	Olathe, KS	-
County Facility	Kansas City Aviation Center	15100 Pflumm	Olathe, KS	-
County Facility	Air Associates	15100 Pflumm	Olathe, KS	-
County Facility	Kansas City Aviation Center	15100 Pflumm	Olathe, KS	-
County Facility	Air Associates	15100 Pflumm	Olathe, KS	-
County Facility	Kansas City Aviation Center	15100 Pflumm	Olathe, KS	-
County Facility	Public Works Maintenance Area	1800 W. 56 Hwy	Olathe, KS	-
County Facility	Public Works Equipment Shed	1800 W. 56 Hwy	Olathe, KS	-
County Facility	Public Works Bridge Building	1800 W. 56 Hwy	Olathe, KS	-
County Facility	Public Works Salt Dome	1800 W. 56 Hwy	Olathe, KS	-
County Facility	Gazebo, Courthouse Lawn	100 S. Kansas	Olathe, KS	-
County Facility	Courthouse	100 S. Kansas	Olathe, KS	-
County Facility	Motor Vehicle-Olathe	1327 East Santa Fe, Ste A	Olathe, KS	-
County Facility	Med-Act 1151	205 E. Flaming Drive	Olathe, KS	-
County Facility	Colonial Building	110 W. Loula	Olathe, KS	-
County Facility	Storage Building	127 South Cherry	Olathe, KS	-
County Facility	Supported Living	616 N. Monroe	Olathe, KS	-
County Facility	Independent Living	200 E. Cedar	Olathe, KS	-
County Facility	Supervised Living	13850 S. Constance Court	Olathe, KS	-
County Facility	Wastewater Storage	1525 E. Spruce	Olathe, KS	-
County Facility	Dist. Court Service, Juvenile Intake	905 W. Spruce	Olathe, KS 66061	-
County Facility	Adult Detention Center	101 N. Kansas Ave	Olathe, KS 66061	-
County Facility	Court Services	18505 W. 119th Street	Olathe, KS 66061	-
County Facility	Adolescent Center For Treatment	301 N. Monroe	Olathe, KS 66061	-
County Facility	Transit Bldg#1 - Administration	1701 W 56 Highway	Olathe, KS 66061	-
County Facility	Sunset Office Building	11811 South Sunset Drive	Olathe, KS 66061	-
County Facility	Health & Human Services Center Complex	11875 S. Sunset	Olathe, KS 66061	-
County Facility	Transit Bldg#2 - Fueling Station	1701 W 56 Highway	Olathe, KS 66061	-



Johnson County Critical Facilities

Facility	Name	Address	City	Substance (if applicable)
County Facility	Transit Bldg#3 - Bus Wash	1701 W 56 Highway	Olathe, KS 66061	-
County Facility	Transit Bldg#4 - Bus Parking Structure	1701 W 56 Highway	Olathe, KS 66061	-
County Facility	Facilities - Records	920 W Spruce	Olathe, KS 66061	-
County Facility	HSA Nutrition Site - Olathe	311 E. Park	Olathe, KS 66061	-
County Facility	Operations Center	19310 W. 159th Street	Olathe, KS 66061	-
Government Office	Johnson County Election Office	2101 E Kansas City Rd	Olathe, KS 66061	-
Government Office	Motor Vehicle Registration	1327 "A" E Santa Fe	Olathe, KS 66061	-
Government Office	Olathe City Hall	100 E Santa Fe	Olathe, KS 66061	-
Government Office	Sunset Office County Office	11811 South Sunset Dr	Olathe, KS 66061	-
Government Office	Kansas Highway Patrol Inspection Station	395 E Dennis Av	Olathe, KS 66061	-
Government Office	Johnson County Courthouse	100 N Kansas	Olathe, KS 66061	-
County Facility	JCDS - 154th St	2145 E 154th St	Olathe, KS 66062	-
County Facility	JCDS - Ramsgate2	16221 W. 132nd Terr	Olathe, KS 66062	-
County Facility	Brookwood Ct.	13901 S. Brookwood Ct.	Olathe, KS 66062	-
Government Office	Driver License Bureau	1839 S Ridgeview Rd	Olathe, KS 66062	-
County Facility	Med-Act 1154, (Olathe F.D)	13301 S. Mur-Len	Olathe, KS	-
HazMat	Nextel West Corp - Kansas City MSO	7007 COLLEGE BLVD	Overland Park	-
HazMat	Nextel West Corp - Kansas City MSO	7007 COLLEGE BLVD	Overland Park	-
County Fuel Tank	Middle Basin	1001 College Blvd	Overland Park	-
County Fuel Tank	Middle Basin	1001 College Blvd	Overland Park	-
Fire Station	Overland Park, Stn 1	7550 W 75TH ST	Overland Park	-
Fire Station	Overland Park, Stn 2	9500 W 95TH ST	Overland Park	-
Fire Station	Overland Park, Stn 3	13801 SWITZER RD	Overland Park	-
Fire Station	Overland Park, Stn 4	8051 W 119TH ST	Overland Park	-
HazMat	Cingular Wireless - Farley Mobile Telephone Swit	7801 FARLEY ST	Overland Park	-
HazMat	Cingular Wireless - Farley Mobile Telephone Swit	7801 FARLEY ST	Overland Park	-
HazMat	Sprint Communications Company L.P. - Overland Pa	9350 METCALF AVE	Overland Park	-
HazMat	Sprint Communications Company L.P. - Overland Pa	9350 METCALF AVE	Overland Park	-
HazMat	Sprint Communications Company L.P. - Overland Pa	9350 METCALF AVE	Overland Park	-
HazMat	Sprint Communications Company L.P. - Headquarter	6411 SPRINT PKWY	Overland Park	-
HazMat	Sprint Communications Company L.P. - Headquarter	6411 SPRINT PKWY	Overland Park	-
HazMat	Sprint Communications Company L.P. - OP Corp Off	9300 METCALF AVE	Overland Park	-
HazMat	Sprint Communications Company L.P. - OP Corp Off	9300 METCALF AVE	Overland Park	-
HazMat	Sprint Communications Company L.P. - OP Corp Off	6666 W 110TH ST	Overland Park	-
HazMat	Sprint Communications Company L.P. - OP Corp Off	6666 W 110TH ST	Overland Park	-
HazMat	Sprint Communications Company L.P. - Overland Pa	5000 COLLEGE BLVD	Overland Park	-
HazMat	Sprint Communications Company L.P. - Overland Pa	6600 COLLEGE BLVD	Overland Park	-
HazMat	Airgas Puritan Medical Products Inc	9101 BOND ST	Overland Park	-
HazMat	Airgas Puritan Medical Products Inc	9101 BOND ST	Overland Park	-
HazMat	Airgas Puritan Medical Products Inc	9101 BOND ST	Overland Park	-



Johnson County Critical Facilities

Facility	Name	Address	City	Substance (if applicable)
HazMat	Airgas Puritan Medical Products Inc	9101 BOND ST	Overland Park	-
HazMat	Airgas Puritan Medical Products Inc	9101 BOND ST	Overland Park	-
HazMat	Airgas Puritan Medical Products Inc	9101 BOND ST	Overland Park	-
HazMat	Southwestern Bell Mobile Systems 9444	9444 NALL AVE	Overland Park	-
HazMat	Southwestern Bell Mobile Systems 9444	9444 NALL AVE	Overland Park	-
HazMat	Southwestern Bell Mobile Systems 7400	7400 JOHNSON DR	Overland Park	-
HazMat	Southwestern Bell Mobile Systems 7400	7400 JOHNSON DR	Overland Park	-
HazMat	Southwestern Bell Mobile Systems 8686	8680 COLLEGE BLVD	Overland Park	-
HazMat	Southwestern Bell Mobile Systems 8686	8680 COLLEGE BLVD	Overland Park	-
HazMat	Southwestern Bell Mobile System 14969	14969 METCALF AVE	Overland Park	-
HazMat	Southwestern Bell Mobile System 14969	14969 METCALF AVE	Overland Park	-
HazMat	Sam's Club # 4707	8300 W 135TH ST	Overland Park	-
HazMat	Universal Engraving Inc	9090 NIEMAN RD	Overland Park	-
HazMat	Universal Engraving Inc	9090 NIEMAN RD	Overland Park	-
HazMat	Universal Engraving Inc	9090 NIEMAN RD	Overland Park	-
HazMat	Universal Engraving Inc	9090 NIEMAN RD	Overland Park	-
HazMat	Universal Engraving Inc	9090 NIEMAN RD	Overland Park	-
HazMat	Universal Engraving Inc	9090 NIEMAN RD	Overland Park	-
HazMat	Jiffy Lube Store # 1180	9757 QUIVIRA RD	Overland Park	-
HazMat	Kansas Gas Service/Div of Oneonk-Mission Service	11401 W 89TH ST	Overland Park	-
HazMat	Kansas Gas Service/Div of Oneonk-Mission Service	11401 W 89TH ST	Overland Park	-
HazMat	Kansas Gas Service/Div of Oneonk-Overland Park -	W 115TH ST & QUIVIRA RD	Overland Park	-
HazMat	Kansas City Power & Light - Johnson County Servi	8730 NIEMAN RD	Overland Park	-
HazMat	Kansas City Power & Light - Johnson County Servi	8730 NIEMAN RD	Overland Park	-
HazMat	Federal Express-IXDRC	8215 W 108TH TER	Overland Park	-
HazMat	Federal Express-IXDRC	8215 W 108TH TER	Overland Park	-
HazMat	Southern Star Central Pipeline (South Glavin)	11486 QUIVIRA RD	Overland Park	-
HazMat	Cardinal Health	11300 GLENWOOD ST	Overland Park	-
HazMat	Cardinal Health	11300 GLENWOOD ST	Overland Park	-
HazMat	Sprint Communications Company L.P. - Headquarter	6480 SPRINT PKWY	Overland Park	-
HazMat	Sprint Communications Company L.P. - Headquarter	6480 SPRINT PKWY	Overland Park	-
HazMat	Sprint Communications Company L.P. - Headquarter	6480 SPRINT PKWY	Overland Park	-
HazMat	Costco #369	12221 BLUE VALLEY PKWY	Overland Park	-
HazMat	Costco #369	12221 BLUE VALLEY PKWY	Overland Park	-
HazMat	GE Employers Reinsurance Corporation (GE ERC)	5200 METCALF AVE	Overland Park	-
HazMat	GE Employers Reinsurance Corporation (GE ERC)	5200 METCALF AVE	Overland Park	-
HazMat	GE Employers Reinsurance Corporation (GE ERC)	5200 METCALF AVE	Overland Park	-
HazMat	Jiffy Lube Store # 578	7000 W 95TH ST	Overland Park	-
HazMat	Jiffy Lube Store # 1180	9757 QUIVIRA RD	Overland Park	-
HazMat	Jiffy Lube Store # 1355	11940 RILEY ST	Overland Park	-



Johnson County Critical Facilities

Facility	Name	Address	City	Substance (if applicable)
HazMat	Jiffy Lube Store # 1930	8625 W 151ST ST	Overland Park	-
HazMat	Jiffy Lube Store # 2217	10201 W 75TH ST	Overland Park	-
HazMat	World Com - IVKPKS	7251 W 105TH ST	Overland Park	-
HazMat	World Com - IVKPKS	7251 W 105TH ST	Overland Park	-
HazMat	Sprint Communications Company	5454 W 110TH ST	Overland Park	-
HazMat	Sprint Communications Company	5454 W 110TH ST	Overland Park	-
HazMat	Sprint Communications Company	5454 W 110TH ST	Overland Park	-
HazMat	Nextel-Kansas City MSO	7007 COLLEGE BLVD	Overland Park	-
HazMat	Nextel-Kansas City MSO	7007 COLLEGE BLVD	Overland Park	-
Hospital	Overland Park Regional Medical Center	10500 Quivira Road	Overland Park	-
Hospital	Menorah Medical Park	5721 W 119th Street	Overland Park	-
Hospital	St. Lukes South Hospital	12300 Metcalf Avenue	Overland Park	-
Hospital	Children's Mercy South Hospital	5808 W 110th St	Overland Park	-
Nursing Home	Indian Creek Healthcare Center	6515 W 103rd St	Overland Park	-
Nursing Home	Manorcare Health Services	5211 W 103rd St	Overland Park	-
Nursing Home	Garden Terrace of Overland Park	7541 Switzer Rd	Overland Park	-
Nursing Home	Delmar Gardens of Overland Park	12100 W 109th St	Overland Park	-
Nursing Home	The Forum at Overland Park	3501 W 95th St	Overland Park	-
Nursing Home	Villa Saint Joseph	11901 Rosewood St	Overland Park	-
Nursing Home	Overland Park Nursing and Rehab	6501 W 75th St	Overland Park	-
Nursing Home	Village Shalom, Inc	5500 W 123rd St	Overland Park	-
Nursing Home	Cypress Court of Overland Park	11000 Oakmont	Overland Park	-
Nursing Home	Ashford Place	10665 Barkley	Overland Park	-
Nursing Home	Stratford Commons	12340 Quivira Rd	Overland Park	-
Nursing Home	Lamar Court	11909 Lamar	Overland Park	-
Nursing Home	Freedom Pointe of OP	9201 Foster	Overland Park	-
Nursing Home	Benson House	8518 Benson	Overland Park	-
Nursing Home	Conser House	7829 Conser	Overland Park	-
Nursing Home	Grandview Lane	8501 Grandview	Overland Park	-
Nursing Home	Specialty Hospital/Mid-America SNF	6509 W 103rd St	Overland Park	-
Nursing Home	Mid America Rehab. Hospital	5701 W 110th St	Overland Park	-
Nursing Home	Select Specialty Hospital/KC	10500 Quivira Rd	Overland Park	-
Nursing Home	Gables Assisted Living	11701 Nieman Rd	Overland Park	-
Nursing Home	The Rose Estates	12700 Antioch Rd	Overland Park	-
Nursing Home	Vintage Park at Stanley	14430 Metcalf Ave	Overland Park	-
Nursing Home	The Atriums	7300 W 107th St	Overland Park	-
Nursing Home	Heartland Surgical Spec. Hosp. LLC	10720 Nall Ave	Overland Park	-
Nursing Home	Silvercrest at Deer Creek	13060 Metcalf Ave	Overland Park	-
Police	Overland Park Police	8500 Antioch Rd	Overland Park	-
Police	Overland Park Police	12400 Foster Rd	Overland Park	-



Johnson County Critical Facilities

Facility	Name	Address	City	Substance (if applicable)
Police	Overland Park Police Department	11900 Westgate St	Overland Park	-
RadMat	APEX ENVIRONMENTAL CONSULTANTS	4800 COLLEGE BLV	OVERLAND PARK	-
RadMat	AQUATERRA ENVIRONMENTAL SYSTEMS	6980 W 153RD ST	OVERLAND PARK	-
RadMat	ASH GROVE CEMENT COMPANY	8900 INDIAN CREEK PKWY	OVERLAND PARK	-
RadMat	DBI INC	11660 W 90TH ST	OVERLAND PARK	-
RadMat	DIAGNOSTIC IMAGING CENTER	5520 COLLEGE BLV	OVERLAND PARK	-
RadMat	DRESSLER CONSULTING ENGINEERING	4425 INDIAN CREEK PKWY	OVERLAND PARK	-
RadMat	HNTB CORPORATION	7450 W 130TH ST	OVERLAND PARK	-
RadMat	JOHNSON COUNTY IMAGING CENTER	12000 W 110TH ST	OVERLAND PARK	-
RadMat	KANSAS CITY CANCER CENTER	12200 W 110TH ST	OVERLAND PARK	-
RadMat	MENORAH MEDICAL CENTER	5721 W 119TH ST	OVERLAND PARK	-
RadMat	MIDWEST CARDIOLOGY ASSOCIATES	10550 QUIVIRA RD	OVERLAND PARK	-
RadMat	OVERLAND PARK REGIONAL MEDICAL CENTER	10500 QUIVIRA RD	OVERLAND PARK	-
RadMat	PHYSICIANS REFERENCE LABORATORY	7800 W 110TH ST	OVERLAND PARK	-
RadMat	RENO CONSTRUCTION COMPANY	7355 W 162ND TER	OVERLAND PARK	-
RadMat	RICHARD A MORRISON MD	10500 MASTIN ST	OVERLAND PARK	-
RadMat	SAINT LUKE'S SOUTH HOSPITAL	12300 METCALF AVE	OVERLAND PARK	-
RadMat	SVERDRUP ENVIRONMENTAL	4400 COLLEGE BLV	OVERLAND PARK	-
RadMat	URS CORPORATION	10975 EL MONTE ST	OVERLAND PARK	-
RadMat	VETERINARY SPECIALTY CENTER	11950 W 110TH ST	OVERLAND PARK	-
School	Morse Elementary	15201 Monrovia St	Overland Park	-
School	Oak Hill Elementary	10200 W 124th St	Overland Park	-
School	Stanley Elementary	6121 W 158th St	Overland Park	-
School	Blue Valley Northwest High	13260 Switzer Rd	Overland Park	-
School	Oxford Middle	12500 Switzer Rd	Overland Park	-
School	Valley Park Elementary	12301 Lamar Ave	Overland Park	-
School	Overland Trail Elementary	6225 W 133rd St	Overland Park	-
School	Cottonwood Point Elementary	10521 W 129th St	Overland Park	-
School	Heartland Elementary	12775 Goodman St	Overland Park	-
School	Blue River Elementary	4701 W 163rd Ter	Overland Park	-
School	Overland Trail Middle	6201 W 133rd St	Overland Park	-
School	Harmony Middle	10101 W 141st St	Overland Park	-
School	Blue Valley North High	12200 Lamar Ave	Overland Park	-
School	Indian Valley Elementary	11600 Knox St	Overland Park	-
School	Sunset Ridge Elementary	14901 England Ave	Overland Park	-
School	Blue Valley Middle	4601 W 163rd Ter	Overland Park	-
School	District Office Campus	15020 Metcalf Ave	Overland Park	-
School	Arrowhead Administrative Center	6601 Santa Fe Dr	Overland Park	-
School	Lakewood Elementary	14600 Lamar Ave	Overland Park	-



Johnson County Critical Facilities

Facility	Name	Address	City	Substance (if applicable)
School	Lakewood Middle	6601 Edgewater Dr	Overland Park	-
School	Harmony Elementary	14140 Grant St	Overland Park	-
School	John Diemer Elementary	9600 Lamar Ave	Overland Park	-
School	Apache Elementary	8910 Goddard St	Overland Park	-
School	Brookridge Elementary	9920 Lowell St	Overland Park	-
School	East Antioch Elementary	7342 Lowell St	Overland Park	-
School	Oak Park-Carpenter Elementary	10000 Nieman Rd	Overland Park	-
School	Overland Park Elementary	8150 Santa Fe Dr	Overland Park	-
School	Pawnee Elementary	9501 W 91st St	Overland Park	-
School	Santa Fe Trail Elementary	7100 Lamar Ave	Overland Park	-
School	Tomahawk Elementary	6301 W 78th St	Overland Park	-
School	Trailwood Elementary	5101 W 95th St	Overland Park	-
School	Antioch Middle	8200 W 71st St	Overland Park	-
School	Indian Woods Middle	9700 Woodson St	Overland Park	-
School	Westridge Middle	9300 Nieman Rd	Overland Park	-
School	SM North High	7401 Johnson Dr	Overland Park	-
School	SM South High	5800 W 107th St	Overland Park	-
School	SM West High	8800 W 85th St	Overland Park	-
School	Dorothy Moody Elementary	10101 England	Overland Park	-
School	Comanche Elementary	8200 Grant St	Overland Park	-
School	Indian Creek Technology Center	4401 W 103rd St	Overland Park	-
School	Broadmoor Technical Center	6701 W 83rd St	Overland Park	-
School	McEachen Admin. Center	7235 Antioch Rd	Overland Park	-
School	SM Instructional Support Center	9700 W 96th St	Overland Park	-
School	Center for International Studies	5800 W. 107th St	Overland Park	-
School	Blue Valley Academy	7500 W 149th Ter	Overland Park	-
School	Shawnee Mission Operations and Maintenance	11475 W 93rd St	Overland Park	-
School	Sunrise Point	15800 Roe Ave	Overland Park	-
School	Bentwood Elementary	13000 Bond St	Overland Park	-
School	Pleasant Ridge Elementary	12235 Rosehill Rd	Overland Park	-
County Facility	Med-Act 1103, North Battalion Chief	8500 Grandview	Overland Park, KS	-
County Facility	Med-Act 1144, (O.P. Fire Dept)	8051 W 119th St.	Overland Park, KS	-
County Facility	MedAct, 1143 & 1104, O.P. Battalion Chief (OPFD)	13801 Switzer	Overland Park, KS	-
County Facility	Blue Valley Library	9000 W. 151st Street	Overland Park, KS	-
County Facility	Operations Building	2523 W. 151st St.	Overland Park, KS	-
County Facility	Oak Park	9500 Bluejacket	Overland Park, KS	-
County Facility	Med-Act 1142 (OPFD 2)	9500 W. 95th St	Overland Park, KS	-
County Facility	Aeration Blower Building	2523 W. 151st St.	Overland Park, KS	-
County Facility	Med-Act 1141 (OPFD 1)	7550 W. 75th St	Overland Park, KS	-
County Facility	Med-Act 1145 (OPFD 5)	15935 Metcalf	Overland Park, KS	-



Johnson County Critical Facilities

Facility	Name	Address	City	Substance (if applicable)
County Facility	M.A.S.T. Bldg, Antenna Site	7500 W. 110th St.	Overland Park, KS	-
County Facility	Overland Park PD Tower, Antenna Site	8500 Antioch	Overland Park, KS	-
County Facility	Mental Health Center - Blue Valley	15118 Glenwood	Overland Park, KS	-
County Facility	JCDS-Goddard	9443 Goddard	Overland Park, KS	-
County Facility	JCDS-98th Circle	8403 W. 98th Circle	Overland Park, KS	-
County Facility	JCDS - 54th Terr	8202 W. 54th Terr	Overland Park, KS 66202	-
County Facility	JCDS - Antioch	7985 Antioch	Overland Park, KS 66204	-
County Facility	JCDS-Nall Hills	5608 W. 99th Terr.	Overland Park, KS 66207	-
County Facility	JCDS - Lamar Ave	7916 Lamar Ave	Overland Park, KS 66208	-
County Facility	HSA Nutrition Site - Blue Valley	6100 W 127th St	Overland Park, KS 66209	-
County Facility	Middle Basin	10001 College Blvd.	Overland Park, KS 66210	-
County Facility	HSA Nutrition Site - Overland Park	6300 W 87th St	Overland Park, KS 66210	-
County Facility	Aeration Basin #1	10001 College Blvd.	Overland Park, KS 66210	-
County Facility	Overland Park Convention Center, Sheraton Hotel	6100 College Blvd	Overland Park, KS 66211	-
County Facility	Central Resource Library	9875 W. 87th St.	Overland Park, KS 66212	-
County Facility	JCDS - Robinson 1	9301 Robinson	Overland Park, KS 66212	-
County Facility	JCDS - Hayes	9141 Hayes	Overland Park, KS 66212	-
County Facility	JCDS - Robinson 2	9300 Robinson	Overland Park, KS 66212	-
County Facility	101st Terr.	9032 W. 101st Terr.	Overland Park, KS 66212	-
Government Office	Overland Park City Hall	8500 Santa Fe Dr	Overland Park, KS 66212	-
County Facility	Med-Act Community Education	11902 Lowell	Overland Park, KS 66213	-
County Facility	Switzer House	8525 Switzer	Overland Park, KS 66214	-
County Facility	Warehouse - Library Storage	11313-17 West 87th Terrac	Overland Park, KS 66214	-
County Facility	JCDS - Farley	8050 Farley #305	Overland Park, KS 66214	-
County Facility	SWB Cellular Tower Site	8004 W. 159th	Overland Park, KS 66223	-
Nursing Home	Brighton Gardens/Prairie Village	7105 Mission Rd	Prairie Vill	-
Nursing Home	Somerset-Claridge Court	8101 Mission Rd	Prairie Vill	-
Fire Station	Cons Dist 2, Stn 2	3921 W 63RD ST	Prairie Village	-
Fire Station	Cons Dist 2, Stn 3	9011 ROE AVE	Prairie Village	-
Police	Prairie Village Police	7710 Mission Rd	Prairie Village	-
School	Belinder Elementary	7230 Belinder Ave	Prairie Village	-
School	Briarwood Elementary	5300 W 86th St	Prairie Village	-
School	Corinth Elementary	8301 Mission Rd	Prairie Village	-
School	Prairie Elementary	6642 Mission Rd	Prairie Village	-
School	Indian Hills Middle	6400 Mission Rd	Prairie Village	-
School	Mission Valley Middle	8500 Mission Rd	Prairie Village	-
School	SM East High	7500 Mission Rd	Prairie Village	-
County Facility	Corinth	8100 Mission Road	Prairie Village, KS	-
County Facility	Nall Avenue Holding Station	5500 Nall Avenue	Prairie Village, KS	-
County Facility	Dykes Branch Pumping Station	3535 Somerset	Prairie Village, KS	-



Johnson County Critical Facilities

Facility	Name	Address	City	Substance (if applicable)
County Facility	Med-Act 1133, (Fire Dist. #2)	3921 W. 63rd	Prairie Village, KS	-
County Facility	Brush Creek Pumping Station	7401 Roe Blvd	Prairie Village, KS 66208	-
County Facility	HSA Nutrition Site - Prairie Village Ctr	7720 Mission Rd	Prairie Village, KS 66208	-
County Facility	JCDS - Nall	8032 Nall	Prairie Village, KS 66208	-
County Facility	JCDS - 76th	6200 W. 76th	Prairie Village, KS 66208	-
Government Office	Prairie Village City Hall	7700 Mission Rd	Prairie Village, KS 66208	-
County Facility	Med-Act 1134, (Fire Dist. #2)	9011 Roe	Prairie Village, KS	-
Police	Roeland Park Police	4600 W 51st St	Roeland Park	-
School	Roesland Elementary	4900 Parish Dr	Roeland Park	-
County Facility	HSA MultiService Center - Roeland Park	4850 Rosewood Drive	Roeland Park, KS	-
County Facility	Cedar-Roe	5120 Cedar	Roeland Park, KS	-
Government Office	Roeland Park City Hall	4600 W 51st St	Roeland Park, KS 66205	-
County Fuel Tank	Shawnee Mission Park Maintenance	7700 Renner Road	Shawnee	-
County Fuel Tank	Shawnee Mission Park Maintenance	7700 Renner Road	Shawnee	-
County Fuel Tank	Tomahawk Hills Golf Course Maintenance	17501 Midland Drive	Shawnee	-
County Fuel Tank	Tomahawk Hills Golf Course Maintenance	17501 Midland Drive	Shawnee	-
County Fuel Tank	Tomahawk Hills Golf Course Maintenance	17501 Midland Drive	Shawnee	-
County Fuel Tank	Streamway Parks System/Nursery	19902 Shawnee Mission Par	Shawnee	-
Fire Station	Shawnee, Stn 1	6535 QUIVIRA RD	Shawnee	-
Fire Station	Shawnee, Stn 2	19210 MIDLAND DR	Shawnee	-
Fire Station	Shawnee, Stn 3	6805 HEDGE LANE TER	Shawnee	-
HazMat	Ted Manufacturing Corporation	11415 JOHNSON DR	Shawnee	-
HazMat	Ted Manufacturing Corporation	11415 JOHNSON DR	Shawnee	-
HazMat	Ted Manufacturing Corporation	11415 JOHNSON DR	Shawnee	-
HazMat	Ted Manufacturing Corporation	11415 JOHNSON DR	Shawnee	-
HazMat	Southwestern Bell Mobile Systems 6134	6134 PFLUMM RD	Shawnee	-
HazMat	Southwestern Bell Mobile Systems 6134	6134 PFLUMM RD	Shawnee	-
HazMat	Hogden Powder Co, Shawnee	6335 LIND RD	Shawnee	-
HazMat	Hogden Powder Co, Shawnee	6335 LIND RD	Shawnee	-
HazMat	Hogden Powder Co, Shawnee	6335 LIND RD	Shawnee	-
HazMat	Hogden Powder Co, Shawnee	6335 LIND RD	Shawnee	-
HazMat	Nazdar - Shawnee	8501 HEDGE LANE TER	Shawnee	-
HazMat	Nazdar - Shawnee	8501 HEDGE LANE TER	Shawnee	-
HazMat	Nazdar - Shawnee	8501 HEDGE LANE TER	Shawnee	-
HazMat	Nazdar - Shawnee	8501 HEDGE LANE TER	Shawnee	-
HazMat	Nazdar - Shawnee	8501 HEDGE LANE TER	Shawnee	-
HazMat	Nazdar - Shawnee	8501 HEDGE LANE TER	Shawnee	-
HazMat	Nazdar - Shawnee	8501 HEDGE LANE TER	Shawnee	-
HazMat	Nazdar - Shawnee	8501 HEDGE LANE TER	Shawnee	-
HazMat	Nazdar - Shawnee	8501 HEDGE LANE TER	Shawnee	-



Johnson County Critical Facilities

Facility	Name	Address	City	Substance (if applicable)
HazMat	Nazdar - Shawnee	8501 HEDGE LANE TER	Shawnee	-
HazMat	Nazdar - Shawnee	8501 HEDGE LANE TER	Shawnee	-
HazMat	Nazdar - Shawnee	8501 HEDGE LANE TER	Shawnee	-
HazMat	Nazdar - Shawnee	8501 HEDGE LANE TER	Shawnee	-
HazMat	Nazdar - Shawnee	8501 HEDGE LANE TER	Shawnee	-
HazMat	Nazdar - Shawnee	8501 HEDGE LANE TER	Shawnee	-
HazMat	Nazdar - Shawnee	8501 HEDGE LANE TER	Shawnee	-
HazMat	Nazdar - Shawnee	8501 HEDGE LANE TER	Shawnee	-
HazMat	Nazdar - Shawnee	8501 HEDGE LANE TER	Shawnee	-
HazMat	Nazdar - Shawnee	8501 HEDGE LANE TER	Shawnee	-
HazMat	Nazdar - Shawnee	8501 HEDGE LANE TER	Shawnee	-
HazMat	Nazdar - Shawnee	8501 HEDGE LANE TER	Shawnee	-
HazMat	Nazdar - Shawnee	8501 HEDGE LANE TER	Shawnee	-
HazMat	Intervet Inc	12707 W 63RD ST	Shawnee	-
HazMat	Kansas Gas Service/Div of Onenok -Shawnee North	W 75TH ST & NIEMAN RD	Shawnee	-
HazMat	Truegreen Chemlawn	8420 COLE PKWY	Shawnee	-
HazMat	Truegreen Chemlawn	8420 COLE PKWY	Shawnee	-
HazMat	Truegreen Chemlawn	8420 COLE PKWY	Shawnee	-
HazMat	Truegreen Chemlawn	8420 COLE PKWY	Shawnee	-
HazMat	Truegreen Chemlawn	8420 COLE PKWY	Shawnee	-
HazMat	Truegreen Chemlawn	8420 COLE PKWY	Shawnee	-
HazMat	Truegreen Chemlawn	8420 COLE PKWY	Shawnee	-
HazMat	Truegreen Chemlawn	8420 COLE PKWY	Shawnee	-
HazMat	Truegreen Chemlawn	8420 COLE PKWY	Shawnee	-
HazMat	Truegreen Chemlawn	8420 COLE PKWY	Shawnee	-
HazMat	Truegreen Chemlawn	8420 COLE PKWY	Shawnee	-
HazMat	Truegreen Chemlawn	8420 COLE PKWY	Shawnee	-
HazMat	Truegreen Chemlawn	8420 COLE PKWY	Shawnee	-
HazMat	Carquest	7751 NIEMAN RD	Shawnee	-
HazMat	Deffenbaugh Industries Inc	18181 W 53RD ST	Shawnee	-
HazMat	Deffenbaugh Industries Inc	18181 W 53RD ST	Shawnee	-
HazMat	Deffenbaugh Industries Inc	18181 W 53RD ST	Shawnee	-
HazMat	Deffenbaugh Industries Inc	18181 W 53RD ST	Shawnee	-
HazMat	Deffenbaugh Industries Inc	18181 W 53RD ST	Shawnee	-
HazMat	Deffenbaugh Industries Inc	18181 W 53RD ST	Shawnee	-
HazMat	Deffenbaugh Industries Inc	18181 W 53RD ST	Shawnee	-
HazMat	Southern Star Central Pipeline (Glavin)	11103 W 75TH ST	Shawnee	-
HazMat	Xsis Electronics Inc	12620 SHAWNEE MISSION PKW	Shawnee	-
HazMat	FedEx Ground	8000 COLE PKWY	Shawnee	-
HazMat	Bayer Healthcare LLC AH Div	12707 SHAWNEE MISSION PKW	Shawnee	-
HazMat	Bayer Healthcare LLC AH Div	12707 SHAWNEE MISSION PKW	Shawnee	-



Johnson County Critical Facilities

Facility	Name	Address	City	Substance (if applicable)
Nursing Home	Sharon Lane Nursing Home	10315 Johnson Dr	Shawnee	-
Nursing Home	Shawnee Gardens Healthcare/Rehab	6416 Long St	Shawnee	-
Nursing Home	The Sweet Life at Shawnee	11400 W 65th St	Shawnee	-
Nursing Home	The Sweet Life at Rosehill	12802 Johnson Dr	Shawnee	-
Nursing Home	Shawnee Heartland	16125 Midland Dr	Shawnee	-
Nursing Home	Jo Co Church of Christ Adult Day C	7300 Neiman Rd	Shawnee	-
Police	Shawnee Police	6535 Quivira Rd	Shawnee	-
RadMat	A A I INTERNATIONAL INC	12400 SHAWNEE MISSION P	SHAWNEE	-
RadMat	DEFFENBAUGH INDUSTRIES	18181 W 53RD ST	SHAWNEE	-
RadMat	MID-AMERICA CARDIOLOGY ASSOCIATES	7405 RENNER RD	SHAWNEE	-
School	Mize Elementary	7301 Mize Rd	Shawnee	-
School	Mill Valley High	5900 Monticello Rd	Shawnee	-
School	Clear Creek Elementary	5815 Monticello Rd	Shawnee	-
School	Monticello Trails Middle	6100 Monticello Rd	Shawnee	-
School	Riverview Elementary	21550 W 47th St	Shawnee	-
School	Rhein Benninghoven Elementary	6720 Caenen St	Shawnee	-
School	Bluejacket-Flint Elementary	11615 W 49th Ter	Shawnee	-
School	Broken Arrow Elementary	5901 Alden Rd	Shawnee	-
School	Nieman Elementary	10917 W 67th St	Shawnee	-
School	Shawano Elementary	11230 W 75th St	Shawnee	-
School	Hocker Grove Middle	10400 Johnson Dr	Shawnee	-
School	SM Northwest High	12701 W 67th St	Shawnee	-
School	Raymond Marsh Elementary	5642 Rosehill Rd	Shawnee	-
School	Horizon Elementary	7210 Chouteau St	Shawnee	-
School	Prairie Ridge Elementary	22405 Clear Creek Pkwy	Shawnee	-
RadMat	CARDIOLOGY SERVICES	7301 FRONTAGE RD	SHAWNEE MISSION	-
RadMat	CENTRAL STATES MEDICAL	5500 BUENA VISTA ST	SHAWNEE MISSION	-
RadMat	KRAMER & CROUSE CARDIOLOGY	7301 E FRONTAGE RD	SHAWNEE MISSION	-
RadMat	MID-AMERICA CALIBRATIONS	5500 BUENA VISTA ST	SHAWNEE MISSION	-
RadMat	SHAWNEE MISSION MEDICAL CENTER	9100 W 74TH ST	SHAWNEE MISSION	-
County Facility	Storage of Ambulance (Shawnee Mission Ford)	11501 Shawnee Mission Pkw	Shawnee Mission, KS 66203	-
HazMat	Jiffy Lube Store # 496	11800 W 63RD ST	Shawnee	-
County Facility	Med-Act 1132, (Shawnee Fire Station)	6501 Quivira	Shawnee, KS	-
County Facility	Med-Act 1130 (Shawnee F.D.)	6805 Hedge Lane	Shawnee, KS	-
County Facility	Shawnee Mission Park, Antenna Site	7700 Renner Road	Shawnee, KS	-
County Facility	Community Support Services (CSS)	6440 Nieman Road	Shawnee, KS	-
County Facility	Shawnee	13811 Johnson Dr.	Shawnee, KS	-
County Facility	Mill Creek SSD #3 Pump Station	7325 Renner Road	Shawnee, KS	-
County Facility	House (Historic)	6305 Lackman Rd.	Shawnee, KS	-



Johnson County Critical Facilities

Facility	Name	Address	City	Substance (if applicable)
County Facility	Recovery Place (CSS) Annex	11120 W. 65th St.	Shawnee, KS	-
County Facility	Mill Creek Regional	20001 W. 47th St.	Shawnee, KS 66218	-
County Facility	Headworks Building # 1	20001 W. 47th St.	Shawnee, KS 66218	-
Government Office	Shawnee City Hall	11110 Johnson Dr	Shawnee, KS 66203-2799	-
County Facility	JCDS - 69th Terr	11400 W. 69th Terr	Shawnee, KS 66216	-
County Facility	Museum	6305 Lackman Road	Shawnee, KS 66217	-
Fire Station	Dist 2, Stn 4	20500 W 207TH ST	Spring Hill	-
HazMat	AFG Industries, Inc. - Spring Hill	20400 WEBSTER ST	Spring Hill	-
HazMat	AFG Industries, Inc. - Spring Hill	20400 WEBSTER ST	Spring Hill	-
HazMat	AFG Industries, Inc. - Spring Hill	20400 WEBSTER ST	Spring Hill	-
HazMat	AFG Industries, Inc. - Spring Hill	20400 WEBSTER ST	Spring Hill	-
HazMat	AFG Industries, Inc. - Spring Hill	20400 WEBSTER ST	Spring Hill	-
HazMat	AFG Industries, Inc. - Spring Hill	20400 WEBSTER ST	Spring Hill	-
HazMat	AFG Industries, Inc. - Spring Hill	20400 WEBSTER ST	Spring Hill	-
HazMat	AFG Industries, Inc. - Spring Hill	20400 WEBSTER ST	Spring Hill	-
HazMat	AFG Industries, Inc. - Spring Hill	20400 WEBSTER ST	Spring Hill	-
HazMat	AFG Industries, Inc. - Spring Hill	20400 WEBSTER ST	Spring Hill	-
HazMat	AFG Industries, Inc. - Spring Hill	20400 WEBSTER ST	Spring Hill	-
HazMat	AFG Industries, Inc. - Spring Hill	20400 WEBSTER ST	Spring Hill	-
HazMat	AFG Industries, Inc. - Spring Hill	20400 WEBSTER ST	Spring Hill	-
HazMat	AFG Industries, Inc. - Spring Hill	20400 WEBSTER ST	Spring Hill	-
HazMat	AFG Industries, Inc. - Spring Hill	20400 WEBSTER ST	Spring Hill	-
HazMat	AFG Industries, Inc. - Spring Hill	20400 WEBSTER ST	Spring Hill	-
HazMat	AFG Industries, Inc. - Spring Hill	20400 WEBSTER ST	Spring Hill	-
HazMat	Sprint Communications Company L.P. - Spring Hill	416 E NICHOLS ST	Spring Hill	-
HazMat	Spring Hill Oil Co. Inc.	207 S FRANK ST	Spring Hill	-
HazMat	Farmers Union Coop	110 S FRANK ST	Spring Hill	-
HazMat	Praxair Inc	20400 WEBSTER ST	Spring Hill	-
HazMat	A & M Products Mfg Co	705 N LINCOLN ST	Spring Hill	-
HazMat	A & M Products Mfg Co	705 N LINCOLN ST	Spring Hill	-
HazMat	A & M Products Mfg Co	705 N LINCOLN ST	Spring Hill	-
HazMat	A & M Products Mfg Co	705 N LINCOLN ST	Spring Hill	-
HazMat	A & M Products Mfg Co	705 N LINCOLN ST	Spring Hill	-
HazMat	A & M Products Mfg Co	705 N LINCOLN ST	Spring Hill	-
HazMat	A & M Products Mfg Co	705 N LINCOLN ST	Spring Hill	-
HazMat	A & M Products Mfg Co	705 N LINCOLN ST	Spring Hill	-
HazMat	A & M Products Mfg Co	705 N LINCOLN ST	Spring Hill	-
HazMat	A & M Products Mfg Co	705 N LINCOLN ST	Spring Hill	-



Johnson County Critical Facilities

Facility	Name	Address	City	Substance (if applicable)
HazMat	A & M Products Mfg Co	705 N LINCOLN ST	Spring Hill	-
Nursing Home	Beverly Health Care & Rehab	251 E Wilson St	Spring Hill	-
Police	Westwood Police	4700 Rainbow Rd	Spring Hill	-
Police	Spring Hill Police	302 N Jefferson	Spring Hill	-
School	Westwood View Elementary	2511 W 50th St	Spring Hill	-
School	Spring Hill High	301 E South St	Spring Hill	-
School	Spring Hill Board of Education Office	101 E South St	Spring Hill	-
School	Spring Hill Middle	300 E South St	Spring Hill	-
School	Spring Hill Elementary	300 S Webster St	Spring Hill	-
County Facility	Spring Hill	109 S. Webster	Spring Hill, KS	-
County Facility	HSA MultiService Center - Spring Hill	401 N. Madison	Spring Hill, KS	-
County Facility	Spring Hill Antenna	302 North Jefferson	Spring Hill, KS	-
County Facility	Med-Act 1157 (Spring Hill FD)	20500 W. 207th St.	Spring Hill, KS 66083	-
Government Office	Spring Hill City Hall	401 N Madison St, P.O. Bo	Spring Hill, KS 66083	-
County Facility	Storage	520 E. Nichols	Springhill, KS	-
County Facility	HSA MultiService Center - Blue Valley School	7500 W. 149th Terr.	Stanley, KS	-
County Facility	Aubrey Antenna Site	21100 Metcalf Ave	Stillwell, KS	-
County Facility	Aubrey Substation	19495 S. Metcalf	Stillwell, KS	-
HazMat	Bayer Research Park	17745 METCALF AVE	Stilwell	-
HazMat	Kansas City Power & Light - Southland Service Ce	19955 NEWTON ST	Stilwell	-
HazMat	Kansas City Power & Light - Southland Service Ce	19955 NEWTON ST	Stilwell	-
HazMat	APAC Kansas Inc - Stanley West	10203 W 167TH ST	Stilwell	-
HazMat	APAC Kansas Inc - Stanley West	10203 W 167TH ST	Stilwell	-
HazMat	APAC Kansas Inc - Stanley West	10203 W 167TH ST	Stilwell	-
HazMat	APAC Kansas Inc - Stanley East	7000 W 167TH ST	Stilwell	-
HazMat	APAC Kansas Inc - Stanley East	7000 W 167TH ST	Stilwell	-
HazMat	APAC Kansas Inc - Stanley East	7000 W 167TH ST	Stilwell	-
HazMat	APAC Kansas Inc - Stanley East	7000 W 167TH ST	Stilwell	-
HazMat	APAC Kansas Inc - Stanley East	7000 W 167TH ST	Stilwell	-
HazMat	APAC Kansas Inc - Stanley East	7000 W 167TH ST	Stilwell	-
HazMat	APAC Kansas Inc - Stanley East	7000 W 167TH ST	Stilwell	-
RadMat	BAYER CORPORATION	17745 S METCALF AVE	STILWELL	-
HazMat	Sprint Communications Company L.P. - Westwood Co	2330 SHAWNEE MISSION PKWY	Westwood	-
HazMat	Sprint Communications Company L.P. - Westwood Co	2330 SHAWNEE MISSION PKWY	Westwood	-
HazMat	Sprint Communications Company L.P. - Westwood Co	2330 SHAWNEE MISSION PKWY	Westwood	-
Government Office	Westwood Hills City Hall	5008 State Line Rd	Westwood Hills, KS 66205	-
Government Office	Mission Woods City Hall	4700 Rainbow Blvd	Westwood, KS 66205	-
Government Office	Westwood City Hall	4700 Rainbow Blvd	Westwood, KS 66205-1831	-



De Soto (Johnson County) Critical Facilities

De Soto (Johnson County) Critical Facilities

Facility	Name	Address	City	Insured Value	Occupancy	Substance (if applicable)
County Facility	Rural Fire District #3, Antenna Site	9745 Kill Creek Road	De Soto	-	-	-
County Facility	HSA MultiService Center - De Soto	32905 W 84th Street	De Soto	-	-	-
County Facility	De Soto	33145 W 83rd Street	De Soto	-	-	-
County Facility	Med-Act 1159 (DeSoto FD)	33150 W. 83rd	De Soto	-	-	-
Fire Station	De Soto, Stn 1	33150 W 83RD ST	De Soto	\$1,500,000	35	-
Fire Station	De Soto, Stn 2		De Soto	\$250,000	2	-
Fire Station	Dist 3, Stn 1	9745 KILL CREEK RD	De Soto			-
Government Office	De Soto City Hall	32905 W 84th St	De Soto	\$4,500,000	500	-
HazMat	Huhtamaki Consumer Packaging Inc	9201 PACKAGING DR	De Soto	-	-	6XXX series alloys, Absolytype/Champion Sealed Lead Battery, Sulfuric Acid, Cadmium Oxide, Lead Acid Batteries, KC-3468 Poly Lo Thriller Red
HazMat	Hunt - Sunflower Quarry	34135 W 95TH ST	De Soto	-	-	ANFO, Disiel Fuel, Lubricating Oil, water gel primer
HazMat	Intervet Inc	35500 W 91st St	De Soto	-	-	FORMALDEHYDE
HazMat	A T & T - Eudora	37260 W 103RD ST	De Soto	-	-	SULFURIC ACID
HazMat	Laidlaw Transit Inc. - (7013 DeSoto)	8800 PENNER AVE	De Soto	-	-	DIESEL FUEL
Historical Site	Abbott Hall	8310 Peoria St	De Soto	-	-	-
Nursing Home	Hillside Village of De Soto	33600 W 85th St	De Soto	-	-	-
Nursing Home	Valley Springs Homes	31765 W. 83rd St	De Soto	-	-	-
Wastewater Facility	Wastewater Treatment Facility	31860 S. 83rd	De Soto	-	-	-
Water Plant	De Soto water system facility	33000 W. 82nd St	De Soto	-	-	-



Edgerton (Johnson County) Critical Facilities

Edgerton (Johnson County) Critical Facilities

Facility	Name	Address	City	Insured Value	Occupancy	Substance (if applicable)
County Facility	Storage	309 E. Nelson	Edgerton	-	-	-
County Facility	Edgerton Library	319-321 E. Nelson Street	Edgerton	-	-	-
County Facility	Lanesfield Interpretive Center	18745 Dillie Rd.	Edgerton	-	-	-
County Facility	Edgerton Radio Tower Site	710 E. Nelson	Edgerton	-	-	-
County Facility	Edgerton Substation	309 E. Nelson	Edgerton	-	-	-
County Facility	Lanesfield School Historic Site	18745 S. Dillie Road	Edgerton	-	-	-
County Facility	Spoon Creek Pump Station	-	Edgerton	\$350,000	0	-
Government Office	Edgerton City Hall	404 E Nelson	Edgerton	-	-	-

Fairway (Johnson County) Critical Facilities

Fairway (Johnson County) Critical Facilities

Facility	Name	Address	City	Insured Value	Occupancy	Substance (if applicable)
County Facility	Belinder Holding Station	5700 Belinder	Fairway	-	-	-
County Facility	Rock Creek Pumping Station	5801 Roe Blvd	Fairway	-	-	-
County Facility	Fairway Pool	6136 Mission Rd	Fairway	-	-	-
County Facility	Public Works Department	5505 Buena Vista	Fairway	-	-	-
County Facility	Sewer Lift Station	5700 Belinder	Fairway	-	-	-
Critical Community Supplier	Hen House Grocery Store	2724 W 53rd Street	Fairway	-	-	-
Government Office	Fairway City Hall	5252 Belinder Rd	Fairway	-	-	-
HazMat	Colt Energy - Effertz Leases	4350 SHAWNEE MISSION PKWY	Fairway	-	-	CRUDE OIL
Highway	Shawnee Mission Parkway	Shawnee Mission Parkway	Fairway	-	-	-
Police	Fairway Police	5252 Belinder Rd	Fairway	-	-	-
Religious Facility	Old Mission United Methodist Church	5519 State Park	Fairway	-	-	-



Gardner (Johnson County) Critical Facilities

Gardner (Johnson County) Critical Facilities

Facility	Name	Address	City	Insured Value	Occupancy	Substance (if applicable)
County Facility	Med-Act 1150, (Gardner Public Safety)	440 E. Main	Gardner	-	-	-
County Facility	HSA MultiService Center - Gardner	112 S. Elm	Gardner	-	-	-
County Facility	Gardner Library	137 E Shawnee	Gardner	-	-	-
County Facility	JCDS - Agnes St	17371 S Agnes St	Gardner	-	-	-
County Facility	HSA Nutrition Site - Gardner	128 E Park St	Gardner	-	-	-
County Facility	JCDS - Ingrid	17390 S Ingrid	Gardner	-	-	-
Day Care Center	Open Arms Daycare	306 E Madison St	Gardner	-	220	-
Day Care Center	Kiddie Corner Daycare	936 E Santa Fe St	Gardner	-	75	-
Day Care Center	Little Building Block's Daycare	813 E Lincoln Ln	Gardner	-	50	-
Day Care Center	Little People Place Daycare	125 N. Moonlight Rd	Gardner	-	195	-
Fire Station	Dist 1, Stn 1	234 E PARK ST	Gardner	-	-	-
Fire Station	Gardner, Stn 1	440 E MAIN ST	Gardner	-	-	-
Fire Station	Gardner Pub Safety 2 Future		Gardner	-	-	-
Government Office	Gardner City Hall	120 E Main St	Gardner	\$ 3,077,470	-	-
Government Office	Energy Center Bldg	1150 E Santa Fe	Gardner	\$ 485,010	-	-
HazMat	Sprint Communications Company L.P. - Gardner Cen	107 S ELM ST	Gardner	-	-	SULFURIC ACID, LEAD COMPOUNDS
HazMat	Cramer Products Inc	153 W WARREN ST	Gardner	-	-	ISOPROPYL ALCOHOL, PETROLATUM, SODIUM CHLORIDE, wood resin FF
Nursing Home	Medicalodge of Gardner	223 Bedford St	Gardner	-	182	-
Nursing Home	Meadowbrook Rehab. Hospital	427 W Main St	Gardner	-	235	-
Nursing Home	Vintage Park of Gardner	869 Juniper Ter	Gardner	-	-	-
Police	Gardner Police	440 E Main St	Gardner	-	-	-
Utility	Water Treatment Plant	30100 W. 151st St	Gardner	\$ 153,630	-	-
Utility	Water Treatment Plant	29501 W. 151st St	Gardner	\$ 87,630	-	-
Utility	Killcreek Wastewater Treatment	159th & Waverly	Gardner	\$ 13,000,000	-	-



Johnson County Critical Facilities

Johnson County Critical Facilities

Facility	Name	Address	City	Insured Value	Occupancy	Substance (if applicable)
County Facility	Kill Creek #1		Johnson County	-	-	-
County Facility	Hangar D	200 Springhill Dr.	Johnson County	-	-	-
County Facility	Hangar E	200 Springhill Dr.	Johnson County	-	-	-
County Facility	Hangar C	200 Springhill Dr.	Johnson County	-	-	-
County Facility	14' x 70' Office Trailer	404 Mission Drive, New Ce	New Century	-	-	-
County Facility	Fred Allenbrand Criminal Justice	27745 W. 159th Street	New Century	-	-	-
County Facility	Operations Center	27747 W. 159th Street	New Century	-	-	-
County Facility	NORAD Building 400	400 Mission Parkway	New Century	-	-	-
County Facility	NORAD Building 401	401 Mission Parkway	New Century	-	-	-
County Facility	NORAD Building 402	402 Mission Parkway	New Century	-	-	-
County Facility	Community Corrections Ctr, Building 1	101 Roeland Park	New Century	-	-	-
County Facility	Community Corrections Ctr, Building 3	101 Roeland Park	New Century	-	-	-
County Facility	New Century AirCenter, Admin Office, Building 9	1 New Century Pkwy	New Century	\$ 1,679,213.00	50	-
County Facility	Howell Mfg., Building 114	201 Overland Park Place	New Century	-	-	-
County Facility	Executive, Beechcraft	#1 Aero Plaza	New Century	-	-	-
County Facility	T-Hanger, Hangar A	#3 Aero Plaza	New Century	-	-	-
County Facility	T-Hanger, Hangar B	#4 Aero Plaza	New Century	-	-	-
County Facility	Dodson International	#2 Aero Plaza	New Century	-	-	-
County Facility	Royal Tractor Building	100 Mission Woods Drive	New Century	-	-	-
County Facility	Kings Avionics	280 Gardner Drive (Buildi	New Century	-	-	-
County Facility	Kings Avionics	290 Gardner Drive (Buildi	New Century	-	-	-
County Facility	Kings Avionics	294 Gardner Drive (Buildi	New Century	-	-	-
County Facility	Fire Station #3	490 New Century Pkwy	New Century	-	-	-
County Facility	Little Bull Creek SSD #2	50 Leawood Dr.	New Century	-	-	-
County Facility	Above Ground Water Tank		New Century	-	-	-
County Facility	Grinsted Sewer Pumping Station		New Century	-	-	-
County Facility	Main Water Treatment Plant Pumping Station		New Century	-	-	-
County Facility	South Sewer Pumping Station		New Century	-	-	-
County Facility	South Water Pumping Station		New Century	-	-	-
County Facility	Countywide Communications Center	399 Mission Parkway	New Century	-	-	-



Johnson County Critical Facilities

Facility	Name	Address	City	Insured Value	Occupancy	Substance (if applicable)
County Facility	North Water Pumping Station	Building 39B New Century	New Century	-	-	-
County Facility	Water Treatment Plant		New Century	-	-	-
County Facility	Community Corrections Ctr, Building 2	101 Roeland Park	New Century	-	-	-
County Facility	Kings Avionics	294 Gardner Drive (Buildi	New Century	-	-	-
County Facility	Headworks Screen Rm. & Grit Removal	50 Leawood Dr.	New Century	-	-	-
County Facility	Archives - Bldg #16	One Industrial Parkway	New Century	-	-	-
County Facility	Programs Building	141 Mission Parkway	New Century	-	-	-
County Facility	Housing Building, Building 4	173 Mission Parkway	New Century	-	-	-
County Facility	Construction Trailer	401 Mission Parkway	New Century	-	-	-
County Facility	Construction Trailer	401 Mission Parkway	New Century	-	-	-
County Facility	Construction Trailer	402 Mission Parkway	New Century	-	-	-
County Facility	Mobile Restroom Trailer	402 Mission Parkway	New Century	-	-	-
County Facility	Maintenance Garage, Building 28	228 Gardner Drive	New Century	-	-	-
County Facility	Aubrey Antenna Site	21100 Metcalf Ave	Stillwell	-	-	-
County Facility	Aubrey Substation	19495 S. Metcalf	Stillwell	-	-	-
County Facility	Aubrey Antenna Site	21100 Metcalf Ave	Stillwell	-	-	-
County Facility	Aubrey Substation	19495 S. Metcalf	Stillwell	-	-	-
County Fuel Tank	New Century	228 Gardner Dr	Johnson County	-	-	-
County Fuel Tank	New Century	228 Gardner Dr	Johnson County	-	-	-
County Fuel Tank	New Century	50 Leawood Dr	Johnson County	-	-	-
County Fuel Tank	Heritage Park Maintenance	14025 W. 159th Street	Johnson County	-	-	-
County Fuel Tank	Heritage Park Maintenance	14025 W. 159th Street	Johnson County	-	-	-
County Fuel Tank	Heritage Park Golf Course	16445 S. Lackman Road	Johnson County	-	-	-
County Fuel Tank	Heritage Park Golf Course	16445 S. Lackman Road	Johnson County	-	-	-
County Fuel Tank	Kill Creek Park Maintenance	11770 Homestead Lane	Johnson County	-	-	-
County Fuel Tank	Kill Creek Park Maintenance	11770 Homestead Lane	Johnson County	-	-	-
County Fuel Tank	Heritage Park Maintenance	14025 W. 159th Street	Johnson County	-	-	-
Fire Station	Dist 1, Stn 3	490 NEW CENTURY PKWY	Johnson County	-	-	-
Fire Station	Overland Park, Stn 5	15935 METCALF RD	Johnson County	-	-	-
Fire Station	Dist 2, Stn 1	19495 METCALF RD	Johnson County	-	-	-
Fire Station	Dist 2, Stn 2	18475 MISSION RD	Johnson County	-	-	-
Fire Station	Dist 2, Stn 3	19065 LACKMAN RD	Johnson County	-	-	-
Fire Station	Gardner Pub Safety 3 Future		Johnson County	-	-	-
Fire Station	Dist 3, Stn 2	29520 W 127TH ST	Johnson County	-	-	-
HazMat	Petroleum Technologies Inc		Johnson County	-	-	Crude Oil, BRINE
HazMat	Danisco Cultor USA, Inc	201 New Century Pkwy	New Century	-	-	ACETIC ACID, ACETIC ANHYDRIDE, ANHYDROUS AMMONIA, NITROGEN



Johnson County Critical Facilities

Facility	Name	Address	City	Insured Value	Occupancy	Substance (if applicable)
HazMat	Kerry Sweet Ingredients	400 PRAIRIE VILLAGE DR	New Century	-	-	SULFURIC ACID, ALUMINUM SULFATE, SOLUTION
HazMat	CFS West Holdings, Inc.	101 PRAIRIE VILLAGE DR	New Century	-	-	AMMONIA (ANHYDROUS)
HazMat	CFS West Holdings, Inc.	101 PRAIRIE VILLAGE DR	New Century	-	-	NITROGEN
HazMat	Sprint Communications Company L.P. - KRDC/North	600 NEW CENTURY PKWY	New Century	-	-	SULFURIC ACID, LEAD COMPOUNDS, DIESEL FUEL
HazMat	Executive Beechcraft Inc	280 GARDNER DR	New Century	-	-	GASOLINES: AVIATION (< 4.86G LEAD/GAL), JET FUEL: JP-1
HazMat	Unilever Bestfoods	27080 W 159TH ST	New Century	-	-	AMMONIA (ANHYDROUS)
HazMat	De Elliotte Co., Inc.	201 PRAIRIE VILLAGE DR	New Century	-	-	L 8174 Polyethylene Octene Copolymer, 1031 Polyethylene Homopolymer
HazMat	Graphic Technology, Inc.	301 GARDNER DR	New Century	-	-	SULPHURIC ACID
HazMat	Heartland Precision Fasteners. Inc.	301 PRAIRIE VILLAGE DR	New Century	-	-	SULFURIC ACID, NITRIC ACID, SODIUM CYANIDE, ISO-PROPYL ALCOHOL, METHANOL, Mineral Spirits, NICKEL METAL, NICKEL CHLORIDE, NICKEL SULFATE, OXYGEN, NITROGEN, PICRIC ACID, PROPYLENE GLYCOL, SODIUM DICHROMATE, SODIUM HYDROXIDE, CHROMIC ACID, Zinc Phosphate, AMMONIUM NITRATE, ACETYLENE, SODIUM BISULFITE, CADMIUM, Cetyl Alcohol, ETHYL ALCOHOL, PHOSPHORIC ACID, HYDROCHLORIC ACID
HazMat	Bayer Research Park	17745 METCALF AVE	Stilwell	-	-	FUEL OIL
HazMat	Kansas City Power & Light - Southland Service Ce	19955 NEWTON ST	Stilwell	-	-	DIESEL FUEL, gasoline
HazMat	APAC Kansas Inc - Stanley West	10203 W 167TH ST	Stilwell	-	-	ANFO, Blastex, cast boosters
HazMat	APAC Kansas Inc - Stanley East	7000 W 167TH ST	Stilwell	-	-	ASPHALT CEMENTS, DIESEL FUEL, FUEL OIL, GASOLINE, motor oils, SSL-Tack
HazMat	BAYER CORPORATION	17745 S METCALF AVE	Stilwell	-	-	
HazMat	Bayer Research Park	17745 METCALF AVE	Stilwell	-	-	FUEL OIL
HazMat	Kansas City Power & Light - Southland Service Ce	19955 NEWTON ST	Stilwell	-	-	DIESEL FUEL, gasoline
HazMat	APAC Kansas Inc - Stanley West	10203 W 167TH ST	Stilwell	-	-	ANFO, Blastex, cast boosters
HazMat	APAC Kansas Inc - Stanley East	7000 W 167TH ST	Stilwell	-	-	ASPHALT CEMENTS, DIESEL FUEL, FUEL OIL, GASOLINE, motor oils, SSL-Tack
HazMat	Bayer Research Park	17745 METCALF AVE	Stilwell	-	-	FUEL OIL
HazMat	Kansas City Power & Light - Southland Service Ce	19955 NEWTON ST	Stilwell	-	-	DIESEL FUEL, gasoline



De Soto (Johnson County) Critical Facilities

Facility	Name	Address	City	Insured Value	Occupancy	Substance (if applicable)
Lift Station	De Soto Main Sewage Lift Station	31700 W. 83 St.	De Soto	-	-	-
Lift Station	Arbor Ridge Sewage Lift Station	31305 W. 83 St.	De Soto	-	-	-
Lift Station	Cedar Ridge Sewage Lift Station	8399 Primrose St.	De Soto	-	-	-
Lift Station	DeMeadows Sewage Lift Station	33180 W. 87 cir.	De Soto	-	-	-
Lift Station	Lawhead Sewage Lift Station	31700 W. 83 St.	De Soto	-	-	-
Lift Station	Lewis Sewage Lift Station	34140 W. 84 St.	De Soto	-	-	-
Lift Station	Oak Drive Sewage Lift Station	8237 Oak Dr.	De Soto	-	-	-
Lift Station	Plummers Sewage Lift Station	33647 Lexington Ave.	De Soto	-	-	-
Lift Station	Scaggs Sewage Lift Station	33460 W. 83 St.	De Soto	-	-	-
Lift Station	Sunset Sewage Lift Station	8200 Sunset Dr.	De Soto	-	-	-
Lift Station	Timber Trails Sewage Lift Station	8350 Timber Trails Dr.	De Soto	-	-	-
Tower	Verizon Tower Site	8210 Killcreek Rd.	De Soto	-	-	-
Tower	SBA Tower Site	30833 Killceek Rd.	De Soto	-	-	-
Tower	AT&T Tower Site	33725 W. 84 St.	De Soto	-	-	-
Communications	AT&T Communications Building	8445 Penner Ave.	De Soto	-	-	-
Sub-Station	Westar Electrical Sub-Station	8150 Shawnee St.	De Soto	-	-	-
School	USD 232 De Soto High School	35000 W. 91 St.	De Soto	-	-	-
School	USD 232 Starside Elementary	35400 W. 91 St.	De Soto	-	-	-



De Soto (Johnson County) Critical Facilities

Facility	Name	Address	City	Insured Value	Occupancy	Substance (if applicable)
School	USD 232 Lexington Trails Middle	8800 Penner Ave.	De Soto	-	-	-
School	USD 232 Administrative Offices	35200 W. 91 St.	De Soto	-	-	-
School	USD 232 Facility Offices	8355 Peoria St.	De Soto	-	-	-
School	USD 232 Learning Center	8305 Peoria St.	De Soto	-	-	-
HazMat	Laidlaw Transit Inc.	8800 Penner Ave.	De Soto	-	-	Diesel fuel
Historical Site	Abbott Hall	8310 Peoria St.	De Soto	-	-	-
Nursing Home	Hillside Village of De Soto	33600 W. 85 St.	De Soto	-	-	-
Senior Housing	Valley Springs Homes	31765 W. 83 St.	De Soto	-	-	-
Hazmat/MFG	Merck Animal Health	35500 W. 91 St.	De Soto	-	-	Formaldehyde, Nitrogen Storage Tanks, Misc. Chemicals
Hazmat/MFG	Huhtamaki Packaging	9201 Packaging Dr.	De Soto	-	-	6XXX series alloys, Absolytype/Champion Sealed Lead, Battery, sulfuric Acid, Cadmium Oxide, Lead Acid batteries, KC-3468 Poly LO thriller Red
Research Facility	Merck Animal Health	35040 W. 87 St.	De Soto	-	-	-
Grocery	Harp's Grocery Store	34040 Commerce Dr.	De Soto	-	-	-
Manufacturing	Rehrig Pacific Co.	8875 Commerce Dr.	De Soto	-	-	-
Manufacturing	Custom Foods	9101 Commerce Dr.	De Soto	-	-	-
Manufacturing	Engineered Air	32050 W. 83 St.	De Soto	-	-	-
Hazmat	De Soto Feed & Grain	8155 Hadley St.	De Soto	-	-	Fertilizer, Propane

Lake Quivira (Johnson County) Critical Facilities

Lake Quivira (Johnson County) Critical Facilities

Facility	Name	Address	City	Insured Value	Occupancy	Substance (if applicable)
Government Office	Lake Quivira City Hall, Fire Station, & Police	10 Crescent Blvd	Lake Quivira	\$ 2,000,000	105	-
Private/Commercial	Quivira Inc. Clubhouse Facility	100 Crescent Blvd	Lake Quivira	\$ 6,000,000	600	-



Leawood (Johnson County) Critical Facilities

Leawood (Johnson County) Critical Facilities

Facility	Name	Address	City	Insured Value	Occupancy	Substance (if applicable)
County Facility	Leawood Pioneer Branch	4700 Town Center Drive	Leawood	-	-	-
County Facility	Leawood South Plant	12301 Mission Rd	Leawood	-	-	-
County Facility	Med-Act 1149 (Leawood Fire Station #2)	12701 Mission Rd.	Leawood	\$ 958,000.00	10	-
County Facility	Tomahawk Creek Plant	3300 W. 109th St.	Leawood	-	-	-
County Facility	Chlorine Building #2 (Incl Chlorine Gas Scrubber	3300 W. 109th St.	Leawood	-	-	-
County Facility	Public Works Facility			-	40	-
County Facility	Parks & Recreation Facility			-	20	-
Fire Station	Leawood, Stn 1	9607 LEE BLVD	Leawood	\$ 329,700.00	4	-
Fire Station	Leawood, Stn 2	12701 MISSION RD	Leawood	\$ 958,000.00	10	-
Fire Station	Leawood, Stn 3	14801 MISSION RD	Leawood	\$ 2,930,056.00	10	-
Government Office	Leawood City Hall	4800 Town Center Dr	Leawood	\$ 7,791,369.00	85	-
HazMat	Johnson County Wastewater Tomahawk Facility	10701 LEE BLVD	Leawood	-	-	CHLORINE
HazMat	Jiffy Lube Store # 353	10300 STATE LINE RD	Leawood	-	-	MOTOR OIL
Nursing Home	Alterra Clare Bridge/Leawood	12724 State Line	Leawood	-	-	-
Nursing Home	The Homestead of Leawood	12720 State Line	Leawood	-	-	-
Nursing Home	Kansas City Orthopaedic Inst. LLC	3651 College	Leawood	-	-	-
Nursing Home	Grace Gardens/Leawood Assited Liv.	5201 W 143rd St	Leawood	-	-	-
Nursing Home	Doctors Specialty Hospital LLC	4901 College Blvd	Leawood	-	-	-
Police	Leawood Police	9617 Lee Blvd	Leawood	\$ 2,579,605.00	40	-
Police	Annex		Leawood	\$ 207,000.00	8	-
RadMat	BETA CHEM LABORATORY	10300 HOWE DR	Leawood	-	-	-



Lenexa (Johnson County) Critical Facilities

Lenexa (Johnson County) Critical Facilities

Facility	Name	Address	City	Insured Value	Occupancy	Substance (if applicable)
Communications Facility	Sprint Communications	9601 Legler	Lenexa	-	-	-
Communications Facility	Sprint Communications	11300 Corporate	Lenexa	-	-	-
Communications Facility	Sprint Communications	15201 W 99th Street	Lenexa	-	-	-
Communications Facility	Sprint Communications	14625 W 100TH ST	Lenexa	-	-	-
Communications Facility	Sprint Communications	15405 COLLEGE BLVD	Lenexa	\$ 6,827,000.00	-	-
County Facility	Health Department Storage	16101 W. 95th Street	Lenexa	-	-	-
County Facility	HSA MultiService Center - North Central	12425 W. 87th Street Pkwy	Lenexa	-	-	-
County Facility	HSA Nutrition Site - Lenexa	13425 Walnut	Lenexa	-	-	-
County Facility	JCDS - Satellite Site	15024 W. 106th	Lenexa	-	-	-
County Facility	JCDS - Satellite Site	15012 W. 106th	Lenexa	-	-	-
County Facility	JCDS - Satellite Site	15016 W. 106th	Lenexa	-	-	-
County Facility	JCDS Annex - Satellite Site	15046 W. 106th	Lenexa	-	-	-
County Facility	Lackman	15345 W. 87th Pkwy	Lenexa	-	-	-
County Facility	Med-Act 1135, (Lenexa FD)	9224 Haskins	Lenexa	-	-	-
County Facility	Offices & Workshop	10501 Lackman Road	Lenexa	-	-	-
County Facility	Wastewater Storage	16101 W. 95th St.	Lenexa	-	-	-
Dam	Hidden Woods Park Dam	8300 Quivira	Lenexa	-	-	-
Dam	Mize Lake Dam	9600 Mize Blvd	Lenexa	-	-	-
Dam	Monticello Lake Dam	9100 Monticello	Lenexa	-	-	-
Dam	Sar Ko Park Dam	15300 W. 87th Street Pkwy	Lenexa	-	-	-
Dam	Shawnee Mission Park Dam	7900 Renner	Lenexa	-	-	-
Day Care Center	Alice's Little Angels Daycare	9550 Halsey	Lenexa	-	-	-
Day Care Center	Building Blocks Daycare	15215 College Blvd	Lenexa	\$ 826,220.00	-	-
Day Care Center	Camp Special Beginnings Daycare	9550 Pflumm	Lenexa	-	-	-
Day Care Center	Christa McAuliffe Daycare	15600 W. 83rd Street	Lenexa	\$ 4,717,150.00	-	-
Day Care Center	Community Evangelical Church Daycare	15700 W 87th Street pkwy	Lenexa	\$ 8,694,970.00	-	-
Day Care Center	Country Kids Daycare	8745 Bourgade	Lenexa	\$ 1,064,370.00	-	-
Day Care Center	Creative Kids Daycare	12001 W. 79th Street	Lenexa	-	-	-
Day Care Center	Holy Trinity Daycare	13517 W. 92nd Street	Lenexa	\$ 4,522,550.00	-	-



Lenexa (Johnson County) Critical Facilities

Facility	Name	Address	City	Insured Value	Occupancy	Substance (if applicable)
Day Care Center	Johnson County Parks & Rec Daycare	8600 Candlelight	Lenexa	\$ 8,107,340.00	-	-
Day Care Center	Kansas City Church of Christ Daycare	10248 Quivira	Lenexa		-	-
Day Care Center	Kinder Care Daycare	8555 M+C103onrovia	Lenexa	\$ 920,890.00	-	-
Day Care Center	La Petite Daycare	15039 W 86th Street	Lenexa	\$ 303,020.00	-	-
Day Care Center	Lakeview Billage Daycre	9100 Park	Lenexa	\$ 22,964,360.00	-	-
Day Care Center	Lions Share Daycare	7830 Barton	Lenexa	\$ 675,500.00	-	-
Day Care Center	Shining Stars Daycare	10248 Quivira	Lenexa		-	-
Day Care Center	Special Beginnings	10216 Pflumm	Lenexa		-	-
Day Care Center	St. Paul's Daycare	7740 Lackman Road	Lenexa	\$ 1,837,240.00	-	-
Day Care Center	Tender Hearts Daycare	11740 W. 77th Street	Lenexa	\$ 318,430.00	-	-
Fire Station	Lenexa, Stn 1	9620 PFLUMM RD	Lenexa	\$ 2,866,120.00	-	-
Fire Station	Lenexa, Stn 2	8725 LACKMAN RD	Lenexa		-	-
Fire Station	Lenexa, Stn 3	24000 PRAIRIE STAR PKWY	Lenexa	\$ 5,931,250.00	-	-
Fire Station	Lenexa, Stn 4	10855 EICHER DR	Lenexa	\$ 1,791,100.00	-	-
Government Office	Johnson County Library	15345 W 87th Street	Lenexa	\$ 2,836,480.00	-	-
Government Office	Johnson County Multi Service Center	12425 W. 87th Street Pkay	Lenexa	\$ 3,703,000.00	-	-
Government Office	Lenexa City Hall	12350 W 87th Street Pkwy,	Lenexa		-	-
Government Office	National Archives & Records Administration	17501 W. 98th Street	Lenexa	\$ 2,273,760.00	-	-
Government Office	U.S. Food & Drug Administration	11510 W 80th Street	Lenexa	\$ 8,680,050.00	-	-
Government Office	United States Post Office	8820 Monrovia	Lenexa	\$ 1,059,480.00	-	-
HazMat	AMCOR P.E.T. Packaging North America	9939 WIDMER RD	Lenexa	-	-	"Eastpak" Polymer 9921 W, Diala Oil AX 68745, Cleartuf 8006, VFR 10538, Polyester Bottle Resin, "Eastpak" Polymer CM01
HazMat	B/E Aerospace. Inc.	10800 PFLUMM RD	Lenexa	-	-	OXYGEN,(CRYOGENIC LIQUID), SODIUM CHLORATE
HazMat	BWI Companies Inc., BWI - Kansas City	9831 LACKMAN RD	Lenexa	-	-	13-13-13 Boron Homogenous Fertilizer, 13-3-7, 20-3-4 NPK Fert + Weed Control, 20-3-4 Fert W/ Propendi Herb, 20-4-10 40%, 46-0-0 Urea, Barricade, Dimension Fertilizer, Howard Johnson's Turf Fertilizer, LEB CC 21-3-18 5.0 WIN, Lebanon Pro 32-4-8 12 SCU, Merit 0.5 G Insecticide, Merit 025, Snapshot 2.5 TG Herbicide, 18-3-18 Country Club, Calcium Nitrate Fertilizer 15.5%N, Dormant Oil, Ferromec AC Liquid Iron 15-0-0, Goal 2X Herbicide, Honcho Plus Herbicide, Howard Johnsons Mach 2 Plus Fertilizer, Nitro 30 30-0-0, Roundup Pro Herbicide, Speed Zone Broadleaf Herbicide, Surflan A S Herbicide, Trimec 992
HazMat	Cable and Wireless USA	8005 BOND ST	Lenexa	-	-	SULFURIC ACID, DIESEL FUEL, LEAD COMPOUNDS



Lenexa (Johnson County) Critical Facilities

Facility	Name	Address	City	Insured Value	Occupancy	Substance (if applicable)
HazMat	Coca Cola Bottling of Mid America	10001 INDUSTRIAL BLVD	Lenexa	-	-	AMMONIA (ANHYDROUS), Anthracite, CALCIUM HYDROXIDE, FERRIC SULFATE, CARBON DIOXIDE, SULFURIC ACID, NITROGEN,(CRYOGENIC LIQUID), SULPHURIC ACID, Anthracite Coal, GLYCOL ETHER, NITRIC ACID
HazMat	Comfort Products Distributing	14001 MARSHALL DR	Lenexa	-	-	CHLORODIFLUOROMETHANE
HazMat	Costco #349	9350 MARSHALL DR	Lenexa	-	-	SULFURIC ACID, LEAD
HazMat	Emerson Ventilation Products	10048 INDUSTRIAL BLVD	Lenexa	-	-	ARGON, SULFURIC ACID, SULPHURIC ACID
HazMat	Emerson Ventilation Products	13915 W 107TH ST	Lenexa	-	-	SULPHURIC ACID
HazMat	Fedex Express -IXDA	14635 W 99TH ST	Lenexa	-	-	GASOLINE, DIESEL FUEL
HazMat	Harbison - Walker Refractories Co.	14515 W 96TH TER	Lenexa	-	-	Alumina Silicate, ALUMINUM OXIDE, Cristobalite, Portland Cement, Vitreous Silica, HYDROUS ALUMINUM SILICATE, Hydrous Alumina Silicate, Quartz, SILICON DIOXIDE, Calcium Aluminate, Refractory Ceramic Fibers
HazMat	Hazardous Materials See Johnson County Tier II Reports			-	-	
HazMat	Holland Corporation, Inc	9131 NOLAND RD	Lenexa	-	-	DIESEL OIL, MEDIUM, DIESEL FUEL, GASOLINE
HazMat	IBM	11200 LAKEVIEW AVE	Lenexa	-	-	SULFURIC ACID
HazMat	J C Penney Catalog Center	10500 LACKMAN RD	Lenexa	-	-	DIESEL FUEL, PROPANE, SULFURIC ACID, HALON 1301
HazMat	Jiffy Lube Store # 1628	13520 W 87TH ST PKWY	Lenexa	-	-	MOTOR OIL
HazMat	Kansas City Power & Light - Johnson County Servi	16215 W 108TH ST	Lenexa	-	-	DIESEL FUEL, GASOLINE
HazMat	Kelly Co LLC	15547 W 109TH ST	Lenexa	-	-	CRUDE OIL, Emulsion Breaker, Corrosion Inhibitor, Salt Water
HazMat	Kirk Welding Supply, Inc	9725 ALDEN ST	Lenexa	-	-	CARBON DIOXIDE, OXYGEN, NITROGEN, ARGON, AMMONIA (ANHYDROUS), CHLORINE, HYDROGEN SULFIDE
HazMat	Machine Laboratory, Inc.	8040 BOND ST	Lenexa	-	-	Steel RS5214, Steel 1018, Steel 440FSE, Steel 430 FR, 12L14, 1215 Steel, Steel 416SS, Steel 303SS
HazMat	Magnum Products - Lenexa	15740 W 108TH ST	Lenexa	-	-	POLYETHYLENE, Plasters, Attapulgit Products, Hubercarb, LV-9, Mica Powder (Muscovite), Pyrax B, Staramic 747 Starch, TALC, Cal Bond R-21, Magnum Joint Compound, Joint Compounds Powder, Methocel*250 S Hydroxypropyl Methylcellulose, Hydroxyethylcellulose Natrosol, 1 1/4 Cornerbead, "L" metal, and Open Angle Cornerbead, Sheetrock Joint Tape, Magnum Drywall Textures S-1000, V -1000, R-1002 and R-1011, Magnum Drywall Blend, Nexton 3082R Water Soluble Polymer, Hydrostone, Airflex 531 BP Emulsion



Lenexa (Johnson County) Critical Facilities

Facility	Name	Address	City	Insured Value	Occupancy	Substance (if applicable)
HazMat	Mid America Wastewater Treatment	14021 W 101ST ST	Lenexa	-	-	AMMONIA (ANHYDROUS), SODIUM HYDROXIDE
HazMat	Midland Research Laboratories Inc	10850 MID AMERICA AVE	Lenexa	-	-	CYCLOHEXYLAMINE, HYDRAZINE, Midland PC 6010 Chlorine Dioxide precursor, sodium bromide, SODIUM SULFITE, SULFURIC ACID
HazMat	Moore Wallace North America	8460 FLINT ST	Lenexa	-	-	SULFURIC ACID
HazMat	Pack America Corporation	9635 WIDMER RD	Lenexa	-	-	SULFURIC ACID, Inseal 30-5166 Ethylene Vinyl Acetate (Hot Melt Glue), Vinyl Acetate Adhesive KY 729
HazMat	Penske Truck Leasing Co L.P.	17225 W 116TH ST	Lenexa	-	-	DIESEL FUEL
HazMat	Pitman Company	9900 PFLUMM RD	Lenexa	-	-	HYDROQUINONE
HazMat	Ringside Inc.	9650 DICE LN	Lenexa	-	-	Carbon & Alloy steels
HazMat	Ryder Transportation Services #0381A	10003 LACKMAN RD	Lenexa	-	-	DIESEL FUEL
HazMat	Sam's Club # 8208	12200 W 95TH ST	Lenexa	-	-	SULFURIC ACID
HazMat	SCP Distributors LLC	9802 WIDMER RD	Lenexa	-	-	CALCIUM HYPOCHLORITE, TRICHLORO-S-TRIAZINETRIONE, Silicon Dioxide, Vermiculite, SODIUM HYPOCHLORITE SOLUTION, diatomaceous Earth, flux-calcined, HYDROGEN CHLORIDE, CYANURIC ACID, PROPYLENE GLYCOL, SODIUM HYDROGEN CARBONATE, 1-bromo-3-chloro-5,5-dimethyl-hydantion, LITHIUM HYPOCHLORITE, 1-Hydroxyethylidene-1,1-diphosphonic, CALCIUM CHLORIDE, SODIUM DICHLORO-S-TRIAZINETRIONE
HazMat	Shasta Beverages Co., Inc	9901 WIDMER RD	Lenexa	-	-	AMMONIA (ANHYDROUS), CHLORINE
HazMat	Shaw Industries, Inc. Plant 3K	16955 W 116TH ST	Lenexa	-	-	SULFURIC ACID
HazMat	Simplex Grinnell	13555 W 107TH ST	Lenexa	-	-	CARBON DIOXIDE
HazMat	Southern Star Central Pipeline (Craig)	19600 W 87TH LN	Lenexa	-	-	Gas engine oil, NATURAL GAS CONDENSATES, GASOLINE
HazMat	Southwestern Bell Mobile Systems 9532	9532 PFLUMM RD	Lenexa	-	-	DIESEL FUEL, SULFURIC ACID
HazMat	Spec Plating Corporation	8291 MELROSE DR	Lenexa	-	-	NITRIC ACID, POTASSIUM CYANIDE
HazMat	Sprint Communications Company L.P. - Kansas Reg/E	14625 W 100TH ST	Lenexa	-	-	SULFURIC ACID, LEAD COMPOUNDS
HazMat	Sprint Communications Company L.P. - Lenexa Lake	10951 LAKEVIEW AVE	Lenexa	\$ 6,747,000.00	-	SULFURIC ACID, DIESEL FUEL, LEAD COMPOUNDS
HazMat	Sprint Communications Company L.P. - Lenexa Legl	9601 LEGLER RD	Lenexa	-	-	SULFURIC ACID, DIESEL FUEL, LEAD COMPOUNDS
HazMat	Sprint Communications Company L.P. - Lenexa OSSC	15201 W 99TH ST	Lenexa	-	-	SULFURIC ACID, DIESEL FUEL, HALON 1301, LEAD COMPOUNDS
HazMat	Sprint Communications Company L.P. - Lenexa PCS	15481 W 110TH ST	Lenexa	\$ 722,300.00	-	SULFURIC ACID, DIESEL FUEL, LEAD COMPOUNDS



Lenexa (Johnson County) Critical Facilities

Facility	Name	Address	City	Insured Value	Occupancy	Substance (if applicable)
HazMat	Sprint Communications Company L.P. - Lenexa PCS	15620 W 113TH ST	Lenexa	\$ 3,540,000.00	-	SULFURIC ACID, LEAD COMPOUNDS
HazMat	Sprint Communications Company L.P. - Lenexa PCS	16020 W 113TH ST	Lenexa	\$ 18,726,200.00	-	SULFURIC ACID, DIESEL FUEL, LEAD COMPOUNDS
HazMat	Sprint Communications Company L.P. - Lenexa PCS	11300 CORPORATE AVE	Lenexa		-	SULFURIC ACID, DIESEL FUEL, LEAD COMPOUNDS
HazMat	Sprint Communications Company L.P. - Lenexa PCS-	11211 LAKEVIEW AVE	Lenexa	\$ 2,954,000.00	-	SULFURIC ACID, LEAD COMPOUNDS
HazMat	Sprint Communications Company Lenexa PCS Watersi	15405 COLLEGE BLVD	Lenexa	-	-	SULFURIC ACID
HazMat	Superior Pool Products LLC	9874 PFLUMM RD	Lenexa	-	-	SODIUM DICHLORO-S-TRIAZINETRIONE, PROPYLENE GLYCOL, CALCIUM HYPOCHLORITE, TRICHLORO-S-TRIAZINETRIONE, silicon dioxide, SODIUM HYDROGEN CARBONATE, Vermiculite, CYANURIC ACID, SODIUM BISULFATE, Potassium peroxymonosulfate, HYDROCHLORIC ACID, 1-hydroxyethylidene-1,1-diphosphonic, DIATOMACEOUS EARTH, PROPYLENE GLYCOL, Butoxydipropanol, CALCIUM CHLORIDE, Copper- Triethanolamine complex, 1-bromo-3chloro-5,5-dimethyl-hydantion
HazMat	T-Mobile USA Inc	7905 QUIVIRA RD	Lenexa	-	-	SULFURIC ACID, DIESEL FUEL
HazMat	T-Mobile USA Inc	7905 QUIVIRA RD	Lenexa	-	-	
HazMat	United Parcel Service	14650 SANTA FE TRAIL DR	Lenexa	-	-	GASOLINE, DIESEL FUEL
HazMat	Universal Engracing # 2	11801 W 86TH TER	Lenexa	-	-	COPPER
HazMat	Verizon Wireless - Lenexa Ks-MO RHQ	9725 PFLUMM RD	Lenexa	-	-	SULFURIC ACID
HazMat	Verizon Wireless - Lenexa MTSO	9725 PFLUMM RD	Lenexa	-	-	SULFURIC ACID, DIESEL FUEL, LEAD
HazMat	Vertis Retail Newspaper Services	14720 W 99TH ST	Lenexa	-	-	petroleum distillates in heatset web offset printing inks, Cleaning Compounds in acid solution PSI 1966KC, Cleaning Liquid Compounds-Z-cling 7140SA
HazMat	Wheeling Corrugating Company	9801 ALDEN ST	Lenexa	-	-	DIESEL FUEL
HazMat	Wichita Southeast Kansas Transit	14401 W 97TH TER	Lenexa	-	-	DIESEL FUEL
Highway	Interstate I-35		Lenexa	-	-	-
Highway	Interstate435		Lenexa	-	-	-
Highway	Kansas Highway 10		Lenexa	-	-	-
Highway	Kansas highway 7		Lenexa	-	-	-
Medical Facility	College Park Family Care	12208 W. 87th Street Pkwy	Lenexa	\$ 1,816,900.00	-	-
Medical Facility	Encompass Medical Group	8550 Marshall	Lenexa	\$ 3,866,000.00	-	-
Medical Facility	Family Practice Physican Urgent Care Physiciam	11140 Thompson Ave	Lenexa	\$ 3,912,700.00	-	-
Medical Facility	Lenexa Family Practice	8700 Bourgade	Lenexa	\$ 1,244,000.00	-	-



Lenexa (Johnson County) Critical Facilities

Facility	Name	Address	City	Insured Value	Occupancy	Substance (if applicable)
Medical Facility	Occupational Medicine Specialist	11170 Thompson	Lenexa	\$ 3,912,700.00	-	-
Military Installations	National Guard Armory	18200 87th St pkwy	Lenexa	\$ 2,911,890.00	-	-
Nursing Home	Delmar Gardens of Lenexa	9701 Monrovia St	Lenexa	\$ 6,357,300.00	-	-
Nursing Home	Garden Villas Nursing Home	9705 Monrovia	Lenexa	\$ 26,260,620.00	-	-
Nursing Home	Lakeview Village	9100 Park St	Lenexa	\$ 22,964,360.00	-	-
Nursing Home	Lakeview Village South Nursing Home	13850 W 91st Terrace	Lenexa	-	-	-
Nursing Home	Northpoint at Lakeview Nursing Home	14100 W 92nd Street	Lenexa	-	-	-
Nursing Home	Rosewood Senior Nursing Home	8500 Pflumm	Lenexa	\$ 9,168,000.00	-	-
Nursing Home	Southridge at Lakeview Nursing Home	14001 W. 92nd Street	Lenexa	\$ 21,170,120.00	-	-
Nursing Home	Sunrise Assisted Living of Lenexa	15055 W 87th Pkwy	Lenexa	\$ 6,560,000.00	-	-
Nursing Home	The Homestead of Lenexa	8740 Caenen Lake	Lenexa	\$ 2,145,110.00	-	-
Nursing Home	Vintage Park at Lenexa	8710 Caenen Lake	Lenexa	\$ 2,314,500.00	-	-
Pipeline	Southern Star Central Gas Pipeline	13430 W. 98th Street	Lenexa	-	-	-
Pipeline	Williams Pipeline	19600 W. 87th Lane	Lenexa	-	-	-
Police	Lenexa Police	12500 W 87th St	Lenexa	-	-	-
Police	Lenexa Police	23930 Prairie Star Pkwy	Lenexa	-	-	-
RadMat	CITY OF LENEXA	12350 W 87TH STREET PKWY	Lenexa	-	-	-
RadMat	CLINICAL REFERENCE LABORATORY	8433 QUIVIRA RD	Lenexa	-	-	-
RadMat	COMO TECH INC	27640 W 83RD ST	Lenexa	-	-	-
RadMat	EAGLE-PICHER INDUSTRIES	13605 W 96TH TERR	Lenexa	-	-	-
RadMat	GEORGE BUTLER ASSOCIATES	9801 RENNER BLV	Lenexa	-	-	-
RadMat	GEOSYSTEMS ENGINEERING INC	7802 BARTON AVE	Lenexa	-	-	-
RadMat	KRUGER TECHNOLOGIES INC	14705 W 114TH TERR	Lenexa	-	-	-
RadMat	PACE ANALYTICAL SERVICES I	9608 LOIRET BLV	Lenexa	-	-	-
RadMat	PHARMACEUTICAL RESEARCH A	16300 COLLEGE BLV	Lenexa	-	-	-
RadMat	QUINTILES INC	11250 CORPORATE AVE	Lenexa	-	-	-
RadMat	S O R	14685 W 105TH ST	Lenexa	-	-	-
RadMat	TERRACON INC	16000 COLLEGE BLV	Lenexa	-	-	-
RadMat	TRANSYSTEMS CORPORATION	8218 NIEMAN RD	Lenexa	-	-	-
Railroad	Burlington Northern Santa Fe Railroad		Lenexa	-	-	-



Lenexa (Johnson County) Critical Facilities

Facility	Name	Address	City	Insured Value	Occupancy	Substance (if applicable)
Railroad	Union Pacific Railroad		Lenexa	-	-	-
Shelter	Central Church of the Nazarene Shelter	12600 W. 87th Street Pkwy	Lenexa	\$ 7,787,730.00	-	-
Shelter	Holy Trinity School Shelter	13615 W. 92nd Street	Lenexa	\$ 3,808,200.00	-	-
Shelter	Lenexa United Methodist Church Shelter	9138 Caenen Lake Road	Lenexa	\$ 1,493,690.00	-	-
Shelter	St. James Academy High School Shelter	24505 Prairies Star Pkwy	Lenexa	\$ 18,725,680.00	-	-
Shelter	Westside Family Church Shelter	8500 Woodsonia	Lenexa	\$ 11,262,630.00	-	-
Utility	Electrical Sub Station	24260 W 102 Terrace	Lenexa	-	-	-
Utility	Electrical Sub Station	15800 W. 95th Street	Lenexa	-	-	-
Utility	Electrical Sub Station	16300 W 110th Street	Lenexa	-	-	-
Utility	Electrical Sub Station	9950 Pflumm	Lenexa	-	-	-
Utility	Gas Distribution Station	8732 Candlelight	Lenexa	-	-	-
Utility	Gas Distribution Station	8700 Renner	Lenexa	-	-	-
Utility	Gas Distribution Station	19600 87th Lane	Lenexa	-	-	-

Merriam (Johnson County) Critical Facilities

Merriam (Johnson County) Critical Facilities

Facility	Name	Address	City	Insured Value	Occupancy	Substance (if applicable)
County Facility	Med-Act 1131, (Merriam Fire Station)	9000 W. 62nd Terr	Merriam	-	-	-
County Facility	Crisis Residential Facility/Breakthrough House	8901 W. 50th Terr.	Merriam	-	-	-
County Facility	Crisis Residential Facility/Breakthrough Garage	8903 W. 50th Terr.	Merriam	-	-	-
County Facility	Supplemental Support Bldg	6235 Slater	Merriam	-	-	-
County Facility	Antioch	8700 Shawnee Mission Park	Merriam	-	-	-
County Facility	JCDS - Mackey House	5738 Mackey St	Merriam	-	-	-
County Facility	57th St.	8536 W. 57th St.	Merriam	-	-	-
County Facility	HSA Nutrition Site - Merriam/Shawnee Ctr	5701 Merriam Dr.	Merriam	-	-	-
County Facility	Merriam Community Center	5701 Merriam Dr.	Merriam	-	-	-
County Fuel Tank	Antioch Park Maintenance	6501 Antioch Road	Merriam	-	-	-
County Fuel Tank	Antioch Park Maintenance	6501 Antioch Road	Merriam	-	-	-



Merriam (Johnson County) Critical Facilities

Facility	Name	Address	City	Insured Value	Occupancy	Substance (if applicable)
County Fuel Tank	Antioch Park Maintenance	6501 Antioch Road	Merriam			-
Fire Station	Merriam, Stn 1	9000 W 62ND TER	Merriam	\$ 5,250,000	12	-
Government Office	Merriam City Hall	9000 W 62nd Ter	Merriam	\$ 5,250,000	20	-
HazMat	Concrete Materials Inc	9900 W 75TH ST	Merriam	-	-	CALCIUM CHLORIDE, Flyash, ground granulated blast furnace slag, MB AE 90 Air entrained agent, Polyheed 997, portland cement, Pozzoloth 220N, Pozzoloth 534 NC, Polyheed 900
HazMat	Shawnee Mission Medical Center	9100 West 74th Street	Merriam	-	-	OXYGEN,(CRYOGENIC LIQUID)
HazMat	Car Max #7173	6801 E FRONTAGE RD	Merriam	-	-	GASOLINE
HazMat	Lucent Technologies	9510 W 67TH ST	Merriam	-	-	SULFURIC ACID, COPPER
Hospital	Shawnee Mission Medical Center	9100 West 74th Street	Merriam	-	2,800	-
Nursing Home	Trinity Nursing and Rehab Center	9700 W 62nd St	Merriam	-	-	-
Nursing Home	South Park House	9322 W 50th Ter	Merriam	-	-	-
Police	Merriam Police	9010 E 62ND ST	Merriam	\$ 2,520,000	17	-
Private/Commercial	H.D. Lee World Headquarters	9701 W 67th St.	Merriam	-	-	-
Private/Commercial	Johnson county Library, Antioch Branch	8700 W 63 St.	Merriam	-	-	-
Private/Commercial	Seabord Building	9000 W. 67 St.	Merriam	-	-	-
Transportation	Burlington northern Santa Fe Railroad		Merriam	-	-	-
Transportation	City of Merriam Public Works	6901 Knox St.	Merriam	-	-	-
Utility	KCPL Sub-station	6412 Carter Ave	Merriam	-	-	-
Utility	Water One Storage/pumping station	67 East Frontage Road	Merriam	-	-	-
Utility	Williams Pipeline		Merriam	-	-	-

Mission (Johnson County) Critical Facilities

Mission (Johnson County) Critical Facilities

Facility	Name	Address	City	Insured Value	Occupancy	Substance (if applicable)
County Facility	Final Settling Tank - 2 Tanks	47th & Nall	Mission	-	-	-
County Facility	Foxridge Towers, Antenna Site	5700 Broadmoor	Mission	-	-	-
County Facility	Hazardous Materials Collection Facility	5801 Foxridge Dr.	Mission	-	-	-
County Facility	Hazardous Materials Collection Facility	5801 Foxridge Dr.	Mission	-	-	-



Mission (Johnson County) Critical Facilities

Facility	Name	Address	City	Insured Value	Occupancy	Substance (if applicable)
County Facility	Hazardous Materials Collection Facility	5801 Foxridge Dr.	Mission	-	-	-
County Facility	Hazardous Materials Collection Facility	5801 Foxridge Dr.	Mission	-	-	-
County Facility	JCDS - Ash	5117 Ash	Mission	-	-	-
County Facility	Martway Holding Station	5395 Martway	Mission	-	-	-
County Facility	Myron K Nelson Treatment Plant Cmplx, Mission Ma	48th & Nall	Mission	\$ 30,000,000.00	50	-
County Facility	Northeast Offices	6000 Lamar Ave	Mission	\$ 12,000,000.00	300	-
County Facility	Process Water Building	48th and Nall	Mission	-	-	-
County Facility	Radio Tower	6000 Lamar Ave	Mission	-	-	-
County Facility	Storage of Command Post (Fire District #2)	6400 Martway	Mission	-	-	-
County Facility	Turkey Creek Plant	47th & Nall	Mission	-	-	-
County Facility	Sylvester Powell Community Ctr.		Mission	\$ 18,000,000.00	300	-
County Facility	Comm. Radio Stations (4)		Mission	\$ 30,000,000.00	750	-
County Fuel Tank	Myron K. Nelson	4800 Nall	Mission			-
County Fuel Tank	Myron K. Nelson	4800 Nall	Mission			-
Fire Station	Cons Dist 2, Stn 1	6400 MARTWAY ST	Mission	\$ 5,000,000.00	25	-
Government Office	Driver License Bureau	6507 Johnson Dr	Mission			-
Government Office	Internal Revenue Service		Mission	\$ 1,250,000.00	100	-
Government Office	Mission City Hall	6090 Woodson Rd	Mission	\$ 15,000,000.00	300	-
Government Office	Mission Hills City Hall	6300 State Line Rd	Mission Hills	-	-	-
Government Office	Motor Vehicle Registration	6000 Lamar	Mission	-	-	-
Government Office	Northeast Office County Office	6000 Lamar	Mission	-	-	-
Government Office	Public Works		Mission	\$ 15,000,000.00	300	-
Government Office	U.S. Food & Drug Administration		Mission	\$ 1,250,001.00	100	-
Government Office	U.S. Post Office		Mission	\$ 20,000,000.00	250	-
HazMat	Indian Hills Country Club	6847 TOMAHAWK RD	Mission Hills	-	-	Dimension Turf Herbicide
HazMat	Jiffy Lube Store # 1460	5850 BROADMOOR ST	Mission	-	-	MOTOR OIL
HazMat	Neff Printing Inc	7080 MARTWAY ST	Mission	-	-	Petroleum middle distillate, Petroleum middle distillate heatset soybean ink, Anchor R-228 odorless presswash, Silicon Emulsion, Petroleum middle distillate flash oil 131, PROPANE, Crystal Clean #106 parts washing solvent
Highway	Interstate 35		Mission	\$ 5,000,000.00	55000	
Nursing Home	Mission Springs Assisted Living I	5300 W 61st Pl	Mission	-	-	-
Nursing Home	Mission Springs Assisted Living II	5350 W 61st Pl	Mission	-	-	-
Police	Mission Police	6090 Woodson Rd	Mission	\$ 15,000,000.00	300	-



Mission (Johnson County) Critical Facilities

Facility	Name	Address	City	Insured Value	Occupancy	Substance (if applicable)
Private Facility	AT&T Transfer Center		Mission	\$ 60,000,000.00	315	-
RadMat	DIAGNOSTIC TECHNOLOGY CONSULTANTS	5930 ROE AVE	Mission	-	-	-
RadMat	MISSION MEDVET	5501 JOHNSON DR	Mission	-	-	-
School	Friends University		Mission	\$1,000,000	50	-

Mission Hills (Johnson County) Critical Facilities

Mission Hills (Johnson County) Critical Facilities

Facility	Name	Address	City	Insured Value	Occupancy	Substance (if applicable)
Government Office	Mission Hills City Hall	6300 State Line Rd	Mission Hills	-	-	-
HazMat	Indian Hills Country Club	6847 TOMAHAWK RD	Mission Hills	-	-	Dimension Turf Herbicide

Olathe (Johnson County) Critical Facilities

Olathe (Johnson County) Critical Facilities

Facility	Name	Address	City	Insured Value	Occupancy	Substance (if applicable)
County Facility	Med-Act 1156, (Olathe FD)	24200 W. 111th Street	Olathe	-	-	-
County Facility	Med-Act Support Services	205 E. Flaming Drive	Olathe	-	-	-
County Facility	Juvenile Field Services & Corrections Admin	131-139 S. Kansas Avenue	Olathe	-	-	-
County Facility	Administration Building	111 S. Cherry	Olathe	-	-	-
County Facility	Election Commission	2101 E Kansas City Road	Olathe	-	-	-
County Facility	Juvenile Detention	915 W. Spruce	Olathe	-	-	-
County Facility	Central Warehouse	135 S. Fir	Olathe	-	-	-
County Facility	Mental Health Center	1125 W. Spruce	Olathe	-	-	-
County Facility	Hanger K, L, M, N, O, P, R, S T	15100 Pflumm	Olathe	-	-	-
County Facility	Executive Airport, Maintenance Garage	15335 Pflumm Road	Olathe	-	-	-
County Facility	Public Works Office	1800 W. Old 56 Hwy	Olathe	-	-	-
County Facility	Central Transmitting, Antenna Site		Olathe	-	-	-



Olathe (Johnson County) Critical Facilities

Facility	Name	Address	City	Insured Value	Occupancy	Substance (if applicable)
County Facility	Air Traffic Control Tower	15100 Pflumm	Olathe	-	-	-
County Facility	Kansas City Aviation Center	15100 Pflumm	Olathe	-	-	-
County Facility	Air Associates	15100 Pflumm	Olathe	-	-	-
County Facility	Kansas City Aviation Center	15100 Pflumm	Olathe	-	-	-
County Facility	Air Associates	15100 Pflumm	Olathe	-	-	-
County Facility	Kansas City Aviation Center	15100 Pflumm	Olathe	-	-	-
County Facility	Public Works Maintenance Area	1800 W. 56 Hwy	Olathe	-	-	-
County Facility	Public Works Bridge Building	1800 W. 56 Hwy	Olathe	-	-	-
County Facility	Public Works Salt Dome	1800 W. 56 Hwy	Olathe	-	-	-
County Facility	Courthouse	100 S. Kansas	Olathe	-	-	-
County Facility	Motor Vehicle-Olathe	1327 East Santa Fe, Ste A	Olathe	-	-	-
County Facility	Med-Act 1151	205 E. Flaming Drive	Olathe	-	-	-
County Facility	Colonial Building	110 W. Loula	Olathe	-	-	-
County Facility	Storage Building	127 South Cherry	Olathe	-	-	-
County Facility	Supported Living	616 N. Monroe	Olathe	-	-	-
County Facility	Independent Living	200 E. Cedar	Olathe	-	-	-
County Facility	Supervised Living	13850 S. Constance Court	Olathe	-	-	-
County Facility	Wastewater Storage	1525 E. Spruce	Olathe	-	-	-
County Facility	Dist. Court Service, Juvenile Intake	905 W. Spruce	Olathe	-	-	-
County Facility	Adult Detention Center	101 N. Kansas Ave	Olathe	-	-	-
County Facility	Court Services	18505 W. 119th Street	Olathe	-	-	-
County Facility	Adolescent Center For Treatment	301 N. Monroe	Olathe	-	-	-
County Facility	Transit Bldg#1 - Administration	1701 W 56 Highway	Olathe	-	-	-
County Facility	Sunset Office Building	11811 South Sunset Drive	Olathe	-	-	-
County Facility	Health & Human Services Center Complex	11875 S. Sunset	Olathe	-	-	-
County Facility	Transit Bldg#2 - Fueling Station	1701 W 56 Highway	Olathe	-	-	-
County Facility	Transit Bldg#3 - Bus Wash	1701 W 56 Highway	Olathe	-	-	-
County Facility	Transit Bldg#4 - Bus Parking Structure	1701 W 56 Highway	Olathe	-	-	-
County Facility	Facilities - Records	920 W Spruce	Olathe	-	-	-
County Facility	HSA Nutrition Site - Olathe	311 E. Park	Olathe	-	-	-
County Facility	Operations Center	19310 W. 159th Street	Olathe	-	-	-
County Facility	JCDS - 154th St	2145 E 154th St	Olathe	-	-	-
County Facility	JCDS - Ramsgate2	16221 W. 132nd Terr	Olathe	-	-	-
County Facility	Brookwood Ct.	13901 S. Brookwood Ct.	Olathe	-	-	-
County Facility	Med-Act 1154, (Olathe F.D)	13301 S. Mur-Len	Olathe	-	-	-
County Fuel Tank	Public Works Headquarters	1800 West 56 Highway	Olathe	-	-	-
County Fuel Tank	Public Works Headquarters	1800 West 56 Highway	Olathe	-	-	-



Olathe (Johnson County) Critical Facilities

Facility	Name	Address	City	Insured Value	Occupancy	Substance (if applicable)
County Fuel Tank	Executive	15335 Pflumm Rd	Olathe	-	-	-
County Fuel Tank	Executive	15335 Pflumm Rd	Olathe	-	-	-
County Fuel Tank	Public Works Transit Building	1701 West 56 Highway	Olathe	-	-	-
County Fuel Tank	Public Works Transit Building	1701 West 56 Highway	Olathe	-	-	-
County Fuel Tank	Public Works Transit Building	1701 West 56 Highway	Olathe	-	-	-
Fire Station	Olathe, Stn 2	1705 N RENNEN RD	Olathe	-	-	-
Fire Station	Olathe, Stn 3	14940 W 143RD ST	Olathe	-	-	-
Fire Station	Olathe, Stn 4	13301 MUR-LEN RD	Olathe	-	-	-
Fire Station	Olathe, Stn 5	1128 W SPRUCE RD	Olathe	-	-	-
Fire Station	Olathe, Stn 6	24200 COLLEGE BLVD	Olathe	-	-	-
Fire Station	Olathe, Stn 1	501 E US56 HWY	Olathe	-	-	-
Fire Station	Olathe, Stn 7	16040 S MUR-LEN RD	Olathe	-	-	-
Government Office	Johnson County Election Office	2101 E Kansas City Rd	Olathe	-	-	-
Government Office	Motor Vehicle Registration	1327 "A" E Santa Fe	Olathe	-	-	-
Government Office	Olathe City Hall	100 E Santa Fe	Olathe	-	-	-
Government Office	Sunset Office County Office	11811 South Sunset Dr	Olathe	-	-	-
Government Office	Kansas Highway Patrol Inspection Station	395 E Dennis Av	Olathe	-	-	-
Government Office	Johnson County Courthouse	100 N Kansas	Olathe	-	-	-
Government Office	Driver License Bureau	1839 S Ridgeview Rd	Olathe	-	-	-
HazMat	City of Olathe Water Treatment Plant # 1	600 S CURTIS ST	Olathe	-	-	AMMONIA (ANHYDROUS), CHLORINE
HazMat	City of Olathe Water Treatment Plant # 2	27065 W 83RD ST	Olathe	-	-	CHLORINE
HazMat	Century Concrete - Olathe	1340 W 149TH ST	Olathe	-	-	DIESEL FUEL, Fly Ash, Calcium Carbonate (Limestone Aggregate), CALCIUM CHLORIDE, ANHYDROUS, Portland Cement Type I, II, III, Silica Sand
HazMat	Sysco Food Services of Kansas City	1915 E KANSAS CITY RD	Olathe	-	-	CHLORINE, SULFURIC ACID, AMMONIA (ANHYDROUS), Solid Power Plus, Ice Melt, DIESEL FUEL, Reliance Disinfectant Bleach
HazMat	ExxonMobil	1400 S HARRISON ST	Olathe	-	-	amine Tallow primary/adogen 170, calcium carbonate, CALCIUM HYDROXIDE, GRAPHITE (NATURAL), LITHIUM HYDROXIDE, molybdenum disulphide, mondur m flake, Para Toluidine (Benzen Amine, 4-Methyl, TOLUENE-2,6-DIISOCYANATE, Cenwax ME, CALCIUM CARBONATE Vicron 45-3, 15 micron Artificial Graphite, Amine Cyclohexyl, ANILINE, Baragel 3000, CN 1416, Dicalcium Phosphate, Grease Mixture, Hydrocal 3147, infinium C9425, isocyanate 227, Lubrizol 2002D, Molyvan A, Mondor M Fused, Nalco 356, NITROGEN, DIESEL FUEL
HazMat	McAnany Oil Co Inc	1125 W 149TH ST	Olathe	-	-	Lube Oil



Olathe (Johnson County) Critical Facilities

Facility	Name	Address	City	Insured Value	Occupancy	Substance (if applicable)
HazMat	Southwestern Bell Mobile Systems 114	114 N WATER ST	Olathe	-	-	DIESEL FUEL, SULFURIC ACID
HazMat	Kansas City Aviation Center	15325 S PFLUMM RD	Olathe	-	-	GASOLINES: AVIATION (< 4.86G LEAD/GAL), JET FUEL: JP-1
HazMat	ITW Dymon	805 E OLD 56 HWY	Olathe	-	-	Odorless Mineral Spirits, D'Limonene, ISOBUTANE, Propane A-110 Aerosol Grade, Isoparaffinic Hydrocarbon, 2-BUTOXYETHANOL, TOLUENE, ACETONE, ETHANOL SDA 3A, BUTYL ACETATE, ETHANOL blend, Ethanol SDA 40B
HazMat	Pepsi Cola General Bottlers	1775 E KANSAS CITY RD	Olathe	-	-	GASOLINE, DIESEL FUEL
HazMat	NuCo2 Inc	15350 S KEELER ST	Olathe	-	-	CARBON DIOXIDE, REFRIGERATED LIQUID
HazMat	Nitrogen Air Pressue Co Inc	15080 W 116TH ST	Olathe	-	-	NITROGEN, CARBON DIOXIDE
HazMat	KM Interstate Gas Transmission - Kenneth Rd Faci	3401 W 159TH ST	Olathe	-	-	MERCAPTAN MIXTURE, [LIQUID]
HazMat	Federal Aviation Administration	250 S ROGERS RD	Olathe	-	-	DIESEL FUEL
HazMat	Vectron International Olathe Inc	620 N LINDENWOOD DR	Olathe	-	-	Carbon Dioxide, NITROGEN
HazMat	Honeywell - Olathe	23500 W 105TH ST	Olathe	-	-	NITROGEN, SULFURIC ACID, LEAD
HazMat	Marble Creations Inc	1401 W OTT ST	Olathe	-	-	Marble Dust
HazMat	Marley Cooling Technologies	1200 W MARLEY RD	Olathe	-	-	TETRAHYDROFURAN
HazMat	LaFarge N A Inc - Olathe RM Plant	901 E OLD 56 HWY	Olathe	-	-	CALCIUM CHLORIDE, DIESEL FUEL, Portland Cement, sand, limestone
HazMat	Performance Plating Inc	435 S KANSAS AVE	Olathe	-	-	SULFURIC ACID, SODIUM CYANIDE
HazMat	Geiger Ready Mix Co Inc	875 E OLD 56 HWY	Olathe	-	-	CALCIUM CHLORIDE, Darachem 65, diesel, Polarset
HazMat	Electrolux Construction Products	17400 W 119TH ST	Olathe	-	-	POLYMERIC DIPHENYLMETHANE DIISOCYANATE
HazMat	Magellan Olathe Terminal	13745 W 135TH ST	Olathe	-	-	WPL IVD gasoline additive, FS II Anti-Icer
HazMat	W R Grace & Co - Conn GCP	701 S KANSAS AVE	Olathe	-	-	Adva Cast 530, Daracel, Daracem ML – 500, Daracem 100, Daracem – 50, Daraset 200, Daratard – 17, daravair – 1000, Daravair – 1400, Darex II AEA, DCI Corrosion inhibitor, DCI-S corrosion inhibitor, Force 10,000 D, Gilco Accelerator, Polarset, WRDA – 82, WRDA/Hycol, ADVA CAST 530, DARACEM 65, Daravair AT60, Eclipse Plus
HazMat	A T & T - Olathe	15085 W 116TH ST	Olathe	-	-	SULFURIC ACID
HazMat	Tyson Foods Inc - Olathe Distribution Center	20701 W 159TH ST	Olathe	-	-	AMMONIA (ANHYDROUS), SULFURIC ACID
HazMat	The Industrial Fumigant Company	19745 W 159TH ST	Olathe	-	-	ALUMINUM PHOSPHIDE, METHYL BROMIDE
HazMat	Superior Bowen Asphalt Company	23555 W 151ST ST	Olathe	-	-	DIESEL FUEL, ASPHALT, Industrial cleaner, gasoline, PROPANE
HazMat	ADM Arkady	100 S PANIPLUS RDWY	Olathe	-	-	SULFURIC ACID
HazMat	Asphalt Sales Company, Inc	23200 W 159TH ST	Olathe	-	-	PROPANE
HazMat	Jiffy Lube Store # 244	1114 E SANTA FE ST	Olathe	-	-	MOTOR OIL
HazMat	Jiffy Lube Store # 2908	15305 W 135TH ST	Olathe	-	-	MOTOR OIL



Olathe (Johnson County) Critical Facilities

Facility	Name	Address	City	Insured Value	Occupancy	Substance (if applicable)
HazMat	Rental Service Corporation #298	11615 S ROGERS RD	Olathe	-	-	Lead Acid Battery (Sulfuric Acid)
HazMat	Shawnee Rock Co, Plant # 1 - Lone Elm	1600 W 151ST ST	Olathe	-	-	DIESEL FUEL, Super Heavy Duty Engine Oil
HazMat	Webco Manufacturing, Inc.	15750 S KEELER TER	Olathe	-	-	NITROGEN, LIQUID OXYGEN, ARGON
HazMat	Cintas Corp	2050 E KANSAS CITY RD	Olathe	-	-	SULFURIC ACID, Express, Horizon, Alpha Liquid Detergent
HazMat	Desco Coatings, Inc	616 N ROGERS RD	Olathe	-	-	Epoxy Resin
HazMat	Jiffy Lube Store # 3041	20015 W 153RD ST	Olathe	-	-	MOTOR OIL
Hospital	Olathe Medical Center	20333 West 151st Street	Olathe	-	-	-
Jail	Johnson County Adult Detention	101 N Kansas Ave	Olathe	-	-	-
Jail	Johnson County Juvenile Detention Center	915 W Spruce St	Olathe	-	-	-
Nursing Home	Royal Terrace Nursing/Rehab Center	201 E Flaming Rd	Olathe	-	-	-
Nursing Home	Johnson County Nursing Center	11875 S Sunset	Olathe	-	-	-
Nursing Home	Olathe Good Samaritan Center	20705 W 151st St	Olathe	-	-	-
Nursing Home	Pinnacle Ridge Nursing/Rehab Ctr.	400 S Rogers Rd	Olathe	-	-	-
Nursing Home	Villa St Francis	16600 W 126th St	Olathe	-	-	-
Nursing Home	Aberdeen Village	17500 W 119th St	Olathe	-	-	-
Nursing Home	The Homestead of Olathe North	791 Somerset Ter	Olathe	-	-	-
Nursing Home	The Homestead of Olathe South	751 Somerset Ter	Olathe	-	-	-
Nursing Home	Assisted Lifestyles	625 Lincoln	Olathe	-	-	-
Nursing Home	Cedar Lake Village	15325 Lone Elm Rd	Olathe	-	-	-
Nursing Home	Bethesda Lutheran Homes/Faith 1	14155 W 113th St	Olathe	-	-	-
Nursing Home	Bethesda Lutheran Homes/Faith 2	14175 W 113th St	Olathe	-	-	-
Nursing Home	Bethesda Lutheran Homes/Faith 3	14235 W 113th St	Olathe	-	-	-
Nursing Home	Hoeger House	20911 W 153rd St	Olathe	-	-	-
Police	Olathe Police	501 E Old 56 Hwy	Olathe	-	-	-
RadMat	CITY OF OLATHE	100 E SANTA FE ST	Olathe	-	-	-
RadMat	HONEYWELL INTERNATIONAL	23500 W 105TH ST	Olathe	-	-	-
RadMat	OLATHE MEDICAL CENTER	20333 W 151ST ST	Olathe	-	-	-
School	Kansas School for Deaf	Roth Bldg, 450 E Park	Olathe	\$ 12,000,000	300	-
School	Kansas School for Deaf	Roberts Bldg, 458 E Park	Olathe	\$ 8,000,000	225	-
School	Kansas School for Deaf	Parks-Bilger, 455 E. Santa Fe	Olathe	\$ 8,500,000	120	-
School	Kansas School for Deaf	Emery Bldg, 440 E. Park	Olathe	\$ 15,000,000	240	-
School	Kansas School for Deaf	Taylor Bldg, 419 E. Santa Fe	Olathe	\$4,100,000	35	-
School	Kansas School for Deaf	Old Voc Bldg, 423 E. Santa Fe	Olathe	\$ 3,200,000	45	-
School	Kansas School for Deaf	Infirmiry, 450 E. Park	Olathe	\$ 2,100,000	16	-
School	Kansas School for Deaf	Power House, 425 E. Santa Fe	Olathe	\$ 3,900,000	18	-



Olathe (Johnson County) Critical Facilities

Facility	Name	Address	City	Insured Value	Occupancy	Substance (if applicable)
School	Kansas School for Deaf	White House, 400 E. Park	Olathe	\$ 75,000	8	-
Sheriff	Johnson County Sheriff	125 N Cherry St	Olathe			-

Overland Park (Johnson County) Critical Facilities

Overland Park (Johnson County) Critical Facilities

Facility	Name	Address	City	Insured Value	Occupancy	Substance (if applicable)
County Facility	101st Terr.	9032 W. 101st Terr.	Overland Park	-	-	-
County Facility	Aeration Basin #1	10001 College Blvd.	Overland Park	-	-	-
County Facility	Aeration Blower Building	2523 W. 151st St.	Overland Park	-	-	-
County Facility	Blue Valley Library	9000 W. 151st Street	Overland Park	-	-	-
County Facility	Central Resource Library	9875 W. 87th St.	Overland Park	-	-	-
County Facility	HSA Nutrition Site - Blue Valley	6100 W 127th St	Overland Park	-	-	-
County Facility	HSA Nutrition Site - Overland Park	6300 W 87th St	Overland Park	-	-	-
County Facility	JCDS - 54th Terr	8202 W. 54th Terr	Overland Park	-	-	-
County Facility	JCDS - Antioch	7985 Antioch	Overland Park	-	-	-
County Facility	JCDS - Farley	8050 Farley #305	Overland Park	-	-	-
County Facility	JCDS - Hayes	9141 Hayes	Overland Park	-	-	-
County Facility	JCDS - Lamar Ave	7916 Lamar Ave	Overland Park	-	-	-
County Facility	JCDS - Robinson 1	9301 Robinson	Overland Park	-	-	-
County Facility	JCDS - Robinson 2	9300 Robinson	Overland Park	-	-	-
County Facility	JCDS-98th Circle	8403 W. 98th Circle	Overland Park	-	-	-



Overland Park (Johnson County) Critical Facilities

Facility	Name	Address	City	Insured Value	Occupancy	Substance (if applicable)
County Facility	JCDS-Goddard	9443 Goddard	Overland Park	-	-	-
County Facility	JCDS-Nall Hills	5608 W. 99th Terr.	Overland Park	-	-	-
County Facility	M.A.S.T. Bldg, Antenna Site	7500 W. 110th St.	Overland Park	-	-	-
County Facility	Med-Act 1103, North Battalion Chief	8500 Grandview	Overland Park	-	-	-
County Facility	Med-Act 1141 (OPFD 1)	7550 W. 75th St	Overland Park	-	-	-
County Facility	Med-Act 1142 (OPFD 2)	9500 W. 95th St	Overland Park	-	-	-
County Facility	Med-Act 1144, (O.P. Fire Dept)	8051 W 119th St.	Overland Park	-	-	-
County Facility	Med-Act 1145 (OPFD 5)	15935 Metcalf	Overland Park	-	-	-
County Facility	Med-Act Community Education	11902 Lowell	Overland Park	-	-	-
County Facility	MedAct, 1143 & 1104, O.P. Battalion Chief (OPFD)	13801 Switzer	Overland Park	-	-	-
County Facility	Mental Health Center - Blue Valley	15118 Glenwood	Overland Park	-	-	-
County Facility	Middle Basin	10001 College Blvd.	Overland Park	-	-	-
County Facility	Oak Park	9500 Bluejacket	Overland Park	-	-	-
County Facility	Operations Building	2523 W. 151st St.	Overland Park	-	-	-
County Facility	Overland Park Convention Center, Sheraton Hotel	6100 College Blvd	Overland Park	-	-	-
County Facility	Overland Park PD Tower, Antenna Site	8500 Antioch	Overland Park	-	-	-
County Facility	SWB Cellular Tower Site		Overland Park	-	-	-
County Facility	Switzer House	8525 Switzer	Overland Park	-	-	-
County Facility	Warehouse - Library Storage	11313-17 West 87th Terrac	Overland Park	-	-	-



Overland Park (Johnson County) Critical Facilities

Facility	Name	Address	City	Insured Value	Occupancy	Substance (if applicable)
County Fuel Tank	Middle Basin	1001 College Blvd	Overland Park	-	-	-
County Fuel Tank	Middle Basin	1001 College Blvd	Overland Park	-	-	-
Fire Station	Overland Park, Stn 1	7550 W 75TH ST	Overland Park	\$ 770,760,000	-	-
Fire Station	Overland Park, Stn 2	9500 W 95TH ST	Overland Park	\$ 1,198,240	-	-
Fire Station	Overland Park, Stn 3	13801 SWITZER RD	Overland Park	\$ 2,557,200	-	-
Fire Station	Overland Park, Stn 4	8051 W 119TH ST	Overland Park	\$ 12,564,910	-	-
Government Office	Overland Park City Hall	8500 Santa Fe Dr	Overland Park	\$ 5,498,440	400	-
HazMat	Airgas Puritan Medical Products Inc	9101 BOND ST	Overland Park	-	-	NITROUS OXIDE, CARBON DIOXIDE, OXYGEN, SODA LIME, ethylene oxide sterilant gas, NITROGEN
HazMat	Cardinal Health	11300 GLENWOOD ST	Overland Park	-	-	LEAD, sulfuric acid
HazMat	Cingular Wireless - Farley Mobile Telephone Swit	7801 FARLEY ST	Overland Park	-	-	SULFURIC ACID, DIESEL FUEL
HazMat	Costco #369	12221 BLUE VALLEY PKWY	Overland Park	-	-	SULFURIC ACID, LEAD
HazMat	Federal Express-IXDRC	8215 W 108TH TER	Overland Park	-	-	DIESEL FUEL, SULFURIC ACID
HazMat	GE Employers Reinsurance Corporation (GE ERC)	5200 METCALF AVE	Overland Park	-	-	SULFURIC ACID, LEAD, DIESEL FUEL
HazMat	Jiffy Lube Store # 1180	9757 QUIVIRA RD	Overland Park	-	-	MOTOR OIL
HazMat	Jiffy Lube Store # 1180	9757 QUIVIRA RD	Overland Park	-	-	MOTOR OIL
HazMat	Jiffy Lube Store # 1355	11940 RILEY ST	Overland Park	-	-	MOTOR OIL
HazMat	Jiffy Lube Store # 1930	8625 W 151ST ST	Overland Park	-	-	MOTOR OIL
HazMat	Jiffy Lube Store # 2217	10201 W 75TH ST	Overland Park	-	-	MOTOR OIL
HazMat	Jiffy Lube Store # 578	7000 W 95TH ST	Overland Park	-	-	MOTOR OIL



Overland Park (Johnson County) Critical Facilities

Facility	Name	Address	City	Insured Value	Occupancy	Substance (if applicable)
HazMat	Kansas City Power & Light - Johnson County Servi	8730 NIEMAN RD	Overland Park	\$ 1,553,030	-	DIESEL FUEL, GASOLINE
HazMat	Kansas Gas Service/Div of Oneok-Mission Service	11401 W 89TH ST	Overland Park	-	-	DIESEL FUEL, GASOLINE
HazMat	Kansas Gas Service/Div of Oneok-Overland Park -	W 115TH ST & QUIVIRA RD	Overland Park	-	-	RP Captan
HazMat	Nextel West Corp - Kansas City MSO	7007 COLLEGE BLVD	Overland Park	-	-	SULFURIC ACID, DIESEL FUEL
HazMat	Nextel-Kansas City MSO	7007 COLLEGE BLVD	Overland Park	-	-	DIESEL FUEL, SULFURIC ACID
HazMat	Sam's Club # 4707	8300 W 135TH ST	Overland Park	-	-	SULFURIC ACID
HazMat	Southern Star Central Pipeline (South Glavin)	11486 QUIVIRA RD	Overland Park	-	-	Tert-butyl mercaptan
HazMat	Southwestern Bell Mobile System 14969	14969 METCALF AVE	Overland Park	-	-	DIESEL FUEL, SULFURIC ACID
HazMat	Southwestern Bell Mobile Systems 7400	7400 JOHNSON DR	Overland Park	-	-	DIESEL FUEL, SULFURIC ACID
HazMat	Southwestern Bell Mobile Systems 8686	8680 COLLEGE BLVD	Overland Park	-	-	DIESEL FUEL, SULFURIC ACID
HazMat	Southwestern Bell Mobile Systems 9444	9444 NALL AVE	Overland Park	-	-	DIESEL FUEL, SULFURIC ACID
HazMat	Sprint Communications Company	5454 W 110TH ST	Overland Park	-	-	DIESEL FUEL, SULFURIC ACID, LEAD COMPOUNDS
HazMat	Sprint Communications Company L.P. - Headquarter	6411 SPRINT PKWY	Overland Park	-	-	DIESEL FUEL, GASOLINE
HazMat	Sprint Communications Company L.P. - Headquarter	6480 SPRINT PKWY	Overland Park	-	-	HFC-227EA, LEAD COMPOUNDS, SULFURIC ACID
HazMat	Sprint Communications Company L.P. - OP Corp Off	9300 METCALF AVE	Overland Park	-	-	SULFURIC ACID, LEAD COMPOUNDS
HazMat	Sprint Communications Company L.P. - OP Corp Off	6666 W 110TH ST	Overland Park	-	-	LEAD COMPOUNDS, SULFURIC ACID



Overland Park (Johnson County) Critical Facilities

Facility	Name	Address	City	Insured Value	Occupancy	Substance (if applicable)
HazMat	Sprint Communications Company L.P. - Overland Pa	9350 METCALF AVE	Overland Park	-	-	SULFURIC ACID, LEAD COMPOUNDS, DIESEL FUEL
HazMat	Sprint Communications Company L.P. - Overland Pa	5000 COLLEGE BLVD	Overland Park	-	-	SULFURIC ACID
HazMat	Sprint Communications Company L.P. - Overland Pa	6600 COLLEGE BLVD	Overland Park	-	-	SULFURIC ACID
HazMat	Universal Engraving Inc	9090 NIEMAN RD	Overland Park	-	-	COPPER, FERRIC CHLORIDE, HYDROGEN CHLORIDE, HYDROQUINONE, SULFURIC ACID, ZINC
HazMat	World Com - IVKPKS	7251 W 105TH ST	Overland Park	-	-	DIESEL FUEL, SULFURIC ACID
Hospital	Children's Mercy South Hospital	5808 W 110th St	Overland Park	\$ 35,700,660	34 beds	-
Hospital	Menorah Medical Park	5721 W 119th Street	Overland Park	\$ 14,011,000	158 beds	-
Hospital	Overland Park Regional Medical Center	10500 Quivira Road	Overland Park	\$ 39,562,380	343 beds	-
Hospital	St. Lukes South Hospital	12300 Metcalf Avenue	Overland Park	\$ 49,535,970	75 beds	-
Nursing Home	Ashford Place	10665 Barkley	Overland Park	\$ 7,069,510	100	-
Nursing Home	Benson House	8518 Benson	Overland Park	-	-	-
Nursing Home	Conser House	7829 Conser	Overland Park	-	-	-
Nursing Home	Cypress Court of Overland Park	11000 Oakmont	Overland Park	\$ 2,804,400	60	-
Nursing Home	Delmar Gardens of Overland Park	12100 W 109th St	Overland Park	\$ 5,997,230	120	-
Nursing Home	Freedom Pointe of OP	9201 Foster	Overland Park	\$ 8,763,450	124	-
Nursing Home	Gables Assisted Living	11701 Nieman Rd	Overland Park	\$ 29,500,000	41	-
Nursing Home	Garden Terrace of Overland Park	7541 Switzer Rd	Overland Park	\$ 5,574,200	165	-
Nursing Home	Grandview Lane	8501 Grandview	Overland Park	-	-	-
Nursing Home	Heartland Surgical Spec. Hosp. LLC	10720 Nall Ave	Overland Park	-	-	-



Overland Park (Johnson County) Critical Facilities

Facility	Name	Address	City	Insured Value	Occupancy	Substance (if applicable)
Nursing Home	Indian Creek Healthcare Center	6515 W 103rd St	Overland Park	\$ 1,877,410	120	-
Nursing Home	Lamar Court	11909 Lamar	Overland Park	\$ 923,380	85	-
Nursing Home	Manorcare Health Services	5211 W 103rd St	Overland Park	\$ 480,020	248	-
Nursing Home	Mid America Rehab. Hospital	5701 W 110th St	Overland Park	\$ 8,947,380	Outpatient	-
Nursing Home	Overland Park Nursing and Rehab	6501 W 75th St	Overland Park	\$ 492,010	102	-
Nursing Home	Select Specialty Hospital/KC	10500 Quivira Rd	Overland Park	-	-	-
Nursing Home	Silvercrest at Deer Creek	13060 Metcalf Ave	Overland Park	\$ 2,496,000	116	-
Nursing Home	Specialty Hospital/Mid-America SNF	6509 W 103rd St	Overland Park	-	-	-
Nursing Home	Stratford Commons	12340 Quivira Rd	Overland Park	\$ 860,300	57	-
Nursing Home	The Atriums	7300 W 107th St	Overland Park	\$ 17,357,400	205	-
Nursing Home	The Forum at Overland Park	3501 W 95th St	Overland Park	\$ 18,441,380	207	-
Nursing Home	The Rose Estates	12700 Antioch Rd	Overland Park	\$ 557,640	100	-
Nursing Home	Villa Saint Joseph	11901 Rosewood St	Overland Park	\$ 736,880	120	-
Nursing Home	Village Shalom, Inc	5500 W 123rd St	Overland Park	\$ 8,135,970	206	-
Nursing Home	Vintage Park at Stanley	14430 Metcalf Ave	Overland Park	\$ 985,500	41	-
Police	Overland Park Police	8500 Antioch Rd	Overland Park	-	-	-
Police	Overland Park Police	12400 Foster Rd	Overland Park	-	-	-
Police	Overland Park Police Department	11900 Westgate St	Overland Park	-	-	-
RadMat	APEX ENVIRONMENTAL CONSULTANTS	4800 COLLEGE BLV	Overland Park	-	-	-



Overland Park (Johnson County) Critical Facilities

Facility	Name	Address	City	Insured Value	Occupancy	Substance (if applicable)
RadMat	AQUATERRA ENVIRONMENTAL SYSTEMS	6980 W 153RD ST	Overland Park	-	-	-
RadMat	ASH GROVE CEMENT COMPANY	8900 INDIAN CREEK PKWY	Overland Park	-	-	-
RadMat	DBI INC	11660 W 90TH ST	Overland Park	-	-	-
RadMat	DIAGNOSTIC IMAGING CENTER	5520 COLLEGE BLV	Overland Park	-	-	-
RadMat	DRESSLER CONSULTING ENGINEERING	4425 INDIAN CREEK PKWY	Overland Park	-	-	-
RadMat	HNTB CORPORATION	7450 W 130TH ST	Overland Park	-	-	-
RadMat	JOHNSON COUNTY IMAGING CENTER	12000 W 110TH ST	Overland Park	\$ 2,493,300	-	-
RadMat	KANSAS CITY CANCER CENTER	12200 W 110TH ST	Overland Park	-	-	-
RadMat	MENORAH MEDICAL CENTER	5721 W 119TH ST	Overland Park	-	-	-
RadMat	MIDWEST CARDIOLOGY ASSOCIATES	10550 QUIVIRA RD	Overland Park	-	-	-
RadMat	OVERLAND PARK REGIONAL MEDICAL CENTER	10500 QUIVIRA RD	Overland Park	-	-	-
RadMat	PHYSICIANS REFERENCE LABORATORY	7800 W 110TH ST	Overland Park	-	-	-
RadMat	RENO CONSTRUCTION COMPANY	7355 W 162ND TER	Overland Park	-	-	-
RadMat	RICHARD A MORRISON MD	10500 MASTIN ST	Overland Park	-	-	-
RadMat	SAINT LUKE'S SOUTH HOSPITAL	12300 METCALF AVE	Overland Park	-	-	-
RadMat	SVERDRUP ENVIRONMENTAL	4400 COLLEGE BLV	Overland Park	-	-	-
RadMat	URS CORPORATION	10975 EL MONTE ST	Overland Park	-	-	-



Overland Park (Johnson County) Critical Facilities

Facility	Name	Address	City	Insured Value	Occupancy	Substance (if applicable)
RadMat	VETERINARY SPECIALTY CENTER	11950 W 110TH ST	Overland Park	-	-	-
Medical Facility	Diagnostic Imaging Centers		Overland Park	\$ 1,022,230	-	-
Medical Facility	St. Joseph Medical Center/Villas at St. Joseph		Overland Park	\$ 10,733,000	120 beds	-
Schools	Jewish Community Campus		Overland Park	\$ 37,075,340	-	-
Schools	Johnson County Community College		Overland Park	\$ 132,326,080	-	-
Schools	KU Edwards Campus	Regents Bldg, 12600 Quivira Rd	Overland Park	\$ 11,057,000	-	-
Schools	KU Edwards Campus	Regnier Bldg, 12610 Quivira Rd	Overland Park	\$ 18,027,000	-	-
Schools	KU Edwards Campus	Jayhawk Bldg, 12520 Quivira Rd	Overland Park	\$ 4,019,000	-	-
Schools	St. Thomas Aquinas	-	Overland Park	\$ 22,266	-	-
City Facilities	Blue Valley District Maintenance Facility	-	Overland Park	\$ 2,189,220	100	-
City Facilities	Matt Ross community Center	-	Overland Park	\$ 15,403,710	530	-
City Facilities	Myron Scafe Bldg (formerly AJC)	-	Overland Park	\$ 4,695,000	250	-
City Facilities	OP Fire headquarters Administrative Offices	-	Overland Park	\$ 584,710		-
City Facilities	Overland park Fire Station #5	-	Overland Park	\$ 566,730	35	-
City Facilities	Overland Park Fire Training Center	-	Overland Park	\$ 6,255,000	500	-
City Facilities	Overland Park Parks and Rec Building	-	Overland Park	\$ 12,564,910	80	-
City Facilities	Overland Park shawnee Mission Maintenance Facility/Dennis Garrett PW Station	-	Overland Park	\$ 1,947,720	65	-
City Facilities	W. jack Sanders Justice Center	-	Overland Park	\$ 17,047,590	500	-
City Facilities	Westgate Police Station	-	Overland Park	\$ 682,530	150	-



Overland Park (Johnson County) Critical Facilities

Facility	Name	Address	City	Insured Value	Occupancy	Substance (if applicable)
Facilities/ Government Buildings/Water Treatment/ Communications	Johnson County Waste Water Plant	-	Overland Park	-	-	-
Facilities/ Government Buildings/Water Treatment/ Communications	Johnson County Water Distribution Station #1	-	Overland Park	\$ 10,272,710	-	-
Facilities/ Government Buildings/Water Treatment/ Communications	Johnson County Water Distribution Station #2	-	Overland Park	\$ 233,480	-	-
Facilities/ Government Buildings/Water Treatment/ Communications	Johnson County Water Distribution Station #3	-	Overland Park	-	-	-
Facilities/ Government Buildings/Water Treatment/ Communications	Johnson County Water Distribution Station #4	-	Overland Park	-	-	-
Facilities/ Government Buildings/Water Treatment/ Communications	Johnson County Water Distribution Station #5	-	Overland Park	-	-	-
Facilities/ Government Buildings/Water Treatment/ Communications	Kansas Gas Service/Div of Oneok-Overland Park - south Bordor	-	Overland Park	-	-	RP Captan
Facilities/ Government Buildings/Water Treatment/ Communications	KCPL Power Sub-Station - Antioch	-	Overland Park	-	-	-
Facilities/ Government Buildings/Water Treatment/ Communications	KCPL Power Sub-Station - Brookridge	-	Overland Park	-	-	-
Facilities/ Government Buildings/Water Treatment/ Communications	KCPL Power Sub-Station - College	-	Overland Park	-	-	-
Facilities/ Government Buildings/Water Treatment/ Communications	KCPL Power Sub-Station -Kenilworth	-	Overland Park	-	-	-
Facilities/ Government Buildings/Water Treatment/ Communications	KCPL Power Sub-Station - Overland Park	-	Overland Park	-	-	-
Facilities/ Government Buildings/Water Treatment/ Communications	KCPL Power Sub-Station - Oxford	-	Overland Park	-	-	-



Overland Park (Johnson County) Critical Facilities

Facility	Name	Address	City	Insured Value	Occupancy	Substance (if applicable)
Facilities/ Government Buildings/Water Treatment/ Communications	KCPL Power Sub-Station - Reeder	-	Overland Park	-	-	-
Facilities/ Government Buildings/Water Treatment/ Communications	KCPL Power Sub-Station - Riley	-	Overland Park	-	-	-
Facilities/ Government Buildings/Water Treatment/ Communications	KCPL Power Sub-Station - Sprint	-	Overland Park	-	-	-
Facilities/ Government Buildings/Water Treatment/ Communications	KCPL Power Sub-Station - Switzer	-	Overland Park	-	-	-
Facilities/ Government Buildings/Water Treatment/ Communications	State of Kansas Office Building	-	Overland Park	\$ 2,350,000	-	-
Facilities/ Government Buildings/Water Treatment/ Communications	United States Postal Service #1	-	Overland Park	\$ 3,598,770	-	-
Facilities/ Government Buildings/Water Treatment/ Communications	United States Postal Service #2	-	Overland Park	\$ 1,431,800	-	-
Facilities/ Government Buildings/Water Treatment/ Communications	United States Postal Service #3	-	Overland Park	\$ 1,620,590	-	-
Facilities/ Government Buildings/Water Treatment/ Communications	United States Postal Service #4	-	Overland Park	\$ 803,390	-	-
Facilities/ Government Buildings/Water Treatment/ Communications	Bair Company & Associates	-	Overland Park	\$ 241,370	4,322 sq. Ft.	-
Facilities/ Government Buildings/Water Treatment/ Communications	Brookridge golf & Country Club	-	Overland Park	\$ 3,088,970	56,091 sq. ft.	-
Facilities/ Government Buildings/Water Treatment/ Communications	Doubletree Hotel	-	Overland Park	\$ 22,074,200	266,490 sq. ft.	-
Facilities/ Government Buildings/Water Treatment/ Communications	KM Interstate Gas Transmission-Kenneth Rd Facility	-	Overland Park	-	-	Flood plain tank facility - Hazardous materials facility



Overland Park (Johnson County) Critical Facilities

Facility	Name	Address	City	Insured Value	Occupancy	Substance (if applicable)
Facilities/ Government Buildings/Water Treatment/ Communications	Minute Shop #2	-	Overland Park	\$ 407,630	2520 sq. ft.	flood plain tank facility-two 10,000 gal feberglass tanks
Facilities/ Government Buildings/Water Treatment/ Communications	O'Donnell & Sons Construction Company	-	Overland Park	\$ 566,560	9168 sq. ft.	Flood plain tank facility-one 3000 gal & one 4000 gal underground stell tanks
Facilities/ Government Buildings/Water Treatment/ Communications	Phillips Kicks 66	-	Overland Park	\$ 974,430	4478 sq. ft.	Flood plain tank facility-three 12,000 gal underground fiberglass tanks
Facilities/ Government Buildings/Water Treatment/ Communications	Puritan Medical Products, Inc.	-	Overland Park	\$ 1,015,000	-	Hazardous materials facility
Facilities/ Government Buildings/Water Treatment/ Communications	Universal Engraving, Inc	-	Overland Park	\$ 1,185,000	-	Hazardous materials facility
Top Employers/Hotels/Convention Center	Black and Veatch Corporation	-	Overland Park	\$ 44,112,000	3800	-
Top Employers/Hotels/Convention Center	Doubletree Hotel	-	Overland Park	\$ 22,074,200	356 guess rooms with 24,000 sq. Ft. of meeting space	-
Top Employers/ Hotels/ Convention Center	Embarq	-	Overland Park	\$ 30,874,000	3800	-
Top Employers/ Hotels/ Convention Center	Marriott	-	Overland Park	\$ 32,087,000	398 guest rooms with 14,000 sq. ft. of meeting spaace	-
Top Employers/ Hotels/ Convention Center	Oak Park Mall	-	Overland Park	\$ 117,000,000	1542000 sq. ft. of area	-
Top Employers/ Hotels/ Convention Center	Overland Park Canvention Center	-	Overland Park	\$ 45,482,530	290,746 sq. ft.	-
Top Employers/ Hotels/ Convention Center	Sheraton Hotel	-	Overland Park	\$ 53,523,800	412 guest rooms with 20000 sq. ft. of meeting space	-
Top Employers/ Hotels/ Convention Center	Sprint Building	-	Overland Park	\$ 9,795,000	119680 sq. ft.	-
Top Employers/ Hotels/ Convention Center	Sprint World Headquarters	-	Overland Park		12,000	Chemical Inventory/Sulfuric Acid-Lead/Lead Compounds-HFC-227EA-Gasoline-Diesel Fuel #2
Top Employers/ Hotels/ Convention Center	Waddell and Reed financial	-	Overland Park	\$ 9,570,700	1,045	-



Overland Park (Johnson County) Critical Facilities

Facility	Name	Address	City	Insured Value	Occupancy	Substance (if applicable)
Top Employeers/ Hotels/ Convention Center	Yellow Freight Company	-	Overland Park	\$ 26,997,000	2,600	-
Historic Landmarks	Blackfeather Farm	-	-	-	-	-
Historic Landmarks	E.C. Chase House	-	-	\$ 191,890	-	-
Historic Landmarks	Gleason House	-	-	\$ 209,020	-	-
Historic Landmarks	Graham Rodgers House	-	-	\$ 158,100	-	-
Historic Landmarks	Historic overland Theater	-	-	-	-	-
Historic Landmarks	Morse Church	-	-	\$ 191,890	-	-
Historic Landmarks	Strange Car Barn	-	-	\$ 458,000	-	-
Historic Landmarks	Strange Carriage House	-	-	\$ 421,720	-	-
Transportation	Interstate 35 highway	-	-	-	-	-
Transportation	Interstate 435 highway	-	-	-	-	-
Transportation	US 69 Highway	-	-	-	-	-

Prairie Village (Johnson County) Critical Facilities

Prairie Village (Johnson County) Critical Facilities

Facility	Name	Address	City	Insured Value	Occupancy	Substance (if applicable)
County Facility	Brush Creek Pumping Station	7401 Roe Blvd	Prairie Village	-	-	-
County Facility	Corinth	8100 Mission Road	Prairie Village	-	-	-
County Facility	Dykes Branch Pumping Station	3535 Somerset	Prairie Village	-	-	-
County Facility	HSA Nutrition Site - Prairie Village Ctr	7720 Mission Rd	Prairie Village	-	-	-
County Facility	JCDS - 76th	6200 W. 76th	Prairie Village	-	-	-
County Facility	JCDS - Nall	8032 Nall	Prairie Village	-	-	-
County Facility	Med-Act 1133, (Fire Dist. #2)	3921 W. 63rd	Prairie Village	-	-	-
County Facility	Med-Act 1134, (Fire Dist. #2)	9011 Roe	Prairie Village	-	-	-
County Facility	Nall Avenue Holding Station	5500 Nall Avenue	Prairie Village	-	-	-



Prairie Village (Johnson County) Critical Facilities

Facility	Name	Address	City	Insured Value	Occupancy	Substance (if applicable)
Government Office	Prairie Village City Hall	7700 Mission Rd	Prairie Village	\$ 1,800,000	200	-
Fire Station	Cons Dist 2, Stn 2	3921 W 63RD ST	Prairie Village	\$ 4,750,000	13	-
Fire Station	Cons Dist 2, Stn 3	9011 ROE AVE	Prairie Village	\$ 4,000,000	10	-
Nursing Home	Brighton Gardens/Prairie Village	7105 Mission Rd	Prairie Village	-	-	-
Nursing Home	Somerset-Claridge Court	8101 Mission Rd	Prairie Village	-	-	-
Police	Prairie Village Police	7710 Mission Rd	Prairie Village	-	-	-
Shelter	Community Center	-	-	\$ 2,200,000	500	-
Emergency Equipment	Public Works	-	-	\$ 1,500,000	100	-

Roeland Park (Johnson County) Critical Facilities

Roeland Park (Johnson County) Critical Facilities

Facility	Name	Address	City	Insured Value	Occupancy	Substance (if applicable)
County Facility	HSA MultiService Center - Roeland Park	4850 Rosewood Drive	Roeland Park	-	-	-
County Facility	Cedar-Roe	5120 Cedar	Roeland Park	-	-	-
Government Office	Roeland Park City Hall	4600 W 51st St	Roeland Park	-	-	-
Police	Roeland Park Police	4600 W 51st St	Roeland Park	-	-	-



Shawnee (Johnson County) Critical Facilities

Shawnee (Johnson County) Critical Facilities

Facility	Name	Address	City	Insured Value	Occupancy	Substance (if applicable)
County Facility	Community Support Services (CSS)	6440 Nieman Road	Shawnee	-	-	-
County Facility	Headworks Building # 1	20001 W. 47th St.	Shawnee	-	-	-
County Facility	House (Historic)	6305 Lackman Rd.	Shawnee	-	-	-
County Facility	JCDS - 69th Terr	11400 W. 69th Terr	Shawnee	-	-	-
County Facility	Med-Act 1130 (Shawnee F.D.)	6805 Hedge Lane	Shawnee	-	-	-
County Facility	Med-Act 1132, (Shawnee Fire Station)	6501 Quivira	Shawnee	-	-	-
County Facility	Mill Creek Regional	20001 W. 47th St.	Shawnee	-	-	-
County Facility	Mill Creek SSD #3 Pump Station	7325 Renner Road	Shawnee	-	-	-
County Facility	Museum	6305 Lackman Road	Shawnee	-	-	-
County Facility	Recovery Place (CSS) Annex	11120 W. 65th St.	Shawnee	-	-	-
County Facility	Shawnee	13811 Johnson Dr.	Shawnee	-	-	-
County Facility	Shawnee Mission Park, Antenna Site	7700 Renner Road	Shawnee	-	-	-
County Facility	Storage of Ambulance (Shawnee Mission Ford)	11501 Shawnee Mission Pkw	Shawnee	-	-	-
County Fuel Tank	Shawnee Mission Park Maintenance	7700 Renner Road	Shawnee	-	-	-
County Fuel Tank	Shawnee Mission Park Maintenance	7700 Renner Road	Shawnee	-	-	-
County Fuel Tank	Streamway Parks System/Nursery	19902 Shawnee Mission Par	Shawnee	-	-	-
County Fuel Tank	Tomahawk Hills Golf Course Maintenance	17501 Midland Drive	Shawnee	-	-	-
County Fuel Tank	Tomahawk Hills Golf Course Maintenance	17501 Midland Drive	Shawnee	-	-	-
County Fuel Tank	Tomahawk Hills Golf Course Maintenance	17501 Midland Drive	Shawnee	-	-	-
Fire Station	Shawnee, Stn 1	6535 QUIVIRA RD	Shawnee	-	-	-
Fire Station	Shawnee, Stn 2	19210 MIDLAND DR	Shawnee	-	-	-
Fire Station	Shawnee, Stn 3	6805 HEDGE LANE TER	Shawnee	-	-	-



Shawnee (Johnson County) Critical Facilities

Facility	Name	Address	City	Insured Value	Occupancy	Substance (if applicable)
Government Office	Shawnee City Hall	11110 Johnson Dr	Shawnee	-	-	-
HazMat	Bayer Healthcare LLC AH Div	12707 Shawnee Mission Parkway	Shawnee	-	-	FUEL OIL, [NO. 2], PROPYLENE GLYCOL, wastewater, Tricalcium Phosphate, Toltrazuril Sulfone, SUCROSE, PIPERONYL BUTOXIDE, PERMETHRIN, Panasol AN-3N, N-METHYLPYRROLIDINONE, L-Arginine base, LACTIC ACID 20% solution, Imidacloprid, Gypsum Terra Alba, ETHYL ALCOHOL, Enrofloxacin, DIPROPYLENE GLYCOL MONOMETHYL ETHER, DIAZINON, CYFLUTHRIN, CUMAPHOS, Clout All Weather Bait, BENZYL ALCOHOL, POLY(VINYL CHLORIDE)
HazMat	Carquest	7751 NIEMAN RD	Shawnee	-	-	SULFURIC ACID
HazMat	Deffenbaugh Industries Inc	18181 W 53RD ST	Shawnee	-	-	Antifreeze, hydraulic fluid, gear lubricant, MOTOR OIL, PROPANE, GASOLINE, DIESEL FUEL
HazMat	FedEx Ground	8000 COLE PKWY	Shawnee	-	-	DIESEL FUEL
HazMat	Hogden Powder Co, Shawnee	6335 LIND RD	Shawnee	-	-	Smokeless Powder Single Base, smokeless Powder - Double base, Pyrodex, Triple 7
HazMat	Intervet Inc	12707 W 63RD ST	Shawnee	-	-	FORMALDEHYDE
HazMat	Jiffy Lube Store # 496	11800 W 63RD ST	Shawnee	-	-	MOTOR OIL
HazMat	Kansas Gas Service/Div of Onenok -Shawnee North	W 75TH ST & NIEMAN RD	Shawnee	-	-	RP Captan
HazMat	McLane Foodservice	8200 MONTICELLO RD	Shawnee	-	-	AMMONIA (ANHYDROUS), SULFURIC ACID
HazMat	Nazdar - Shawnee	8501 HEDGE LANE TER	Shawnee	-	-	1200 Series Coroplus Screen Ink, 1600 Series UV Retail Display, 3200 Series UV Decal Screen Ink, 3500 Series Vinex Screen Ink, 3800 Series UV Poly Banner Screen Ink, 3900 Series Flexible Banner Screen Ink, 9600 Series Polyester Screen Ink, Adcote 49T13, GV Series Screen Ink, N3100 Series UV Poly Screen Ink, VF Series Screen Ink, 1700 series UV Versaprint Screen Ink, Coke 9600 Series Polyester Screen Ink, 9700 Series All purpose screen ink, Metro Media4 Color Process inks, 1,6 hexanediol Diacrylate, tabcure 55P, S2 Series Gloss Vinyl Screen ink, FORMALDEHYDE, ADE Series Epoxy Screen Ink, SR339 MF219
HazMat	Shawnee Rock Co, Plant # 2 & 4 - Johnson Co Land	17955 HOLLIDAY DR	Shawnee	-	-	DIESEL FUEL, Super Heavy Duty Engine Oil, extended life coolant
HazMat	Southern Star Central Pipeline (Glavin)	11103 W 75TH ST	Shawnee	-	-	Tert-butyl mercaptan
HazMat	Southwestern Bell Mobile Systems 6134	6134 PFLUMM RD	Shawnee	-	-	DIESEL FUEL, SULFURIC ACID



Shawnee (Johnson County) Critical Facilities

Facility	Name	Address	City	Insured Value	Occupancy	Substance (if applicable)
HazMat	Ted Manufacturing Corporation	11415 JOHNSON DR	Shawnee	-	-	Brass Alloys, POTASSIUM CYANIDE, SODIUM CYANIDE, SULFURIC ACID
HazMat	Truegreen Chemlawn	8420 COLE PKWY	Shawnee	-	-	Lime Pellitized, Turf Type Tall Fescue, ice melter, fertilizer 25-3-8, fertilizer 22-3-8 w/.23merit 50% scu, fertilizer 25-0-8 crabgrass preventer, fertilizer 27-0-8, fertilizer 27-0-8 Weed & Feed Tripower, merit .2 0-0-7, 19-3-5 w/.20 Barricade, 25-3-8 50% SCU, 17-2-5
HazMat	VISTAR/ USA of KC	10600 W 79TH ST	Shawnee	-	-	LEAD COMPOUNDS, SULPHURIC ACID
HazMat	Vita Craft Corporation	11100 W 58TH ST	Shawnee	-	-	Liquid compound SS-5767, Liquid Compound SS-5876, PERCHLOROETHYLENE, Liquid Compound CS-4129
HazMat	Wall Ties & Forms	4000 BONNER INDUSTRIAL DR	Shawnee	-	-	Wire Rods, Hot Rolled Bars, Cold Finished Bars, HYDROCHLORIC ACID, Chrome Plated XCarbon Steel, Carbon & Alloy Steels, Aluminum, Aluminum Extrusions, Wrought Aluminum Alloy, Aluminum Alloy 6000 Series Extrusion
HazMat	Xsis Electronics Inc	12620 Shawnee Mission Parkway	Shawnee	-	-	NITROGEN, [REFRIGERATED LIQUID]
Nursing Home	Jo Co Church of Christ Adult Day C	7300 Neiman Rd	Shawnee	-	-	-
Nursing Home	Sharon Lane Nursing Home	10315 Johnson Dr	Shawnee	-	-	-
Nursing Home	Shawnee Gardens Healthcare/Rehab	6416 Long St	Shawnee	-	-	-
Nursing Home	Shawnee Heartland	16125 Midland Dr	Shawnee	-	-	-
Nursing Home	The Sweet Life at Rosehill	12802 Johnson Dr	Shawnee	-	-	-
Nursing Home	The Sweet Life at Shawnee	11400 W 65th St	Shawnee	-	-	-
Police	Shawnee Police	6535 Quivira Rd	Shawnee	-	-	-
RadMat	A A I INTERNATIONAL INC	12400 Shawnee Mission Parkway	Shawnee	-	-	-
RadMat	CARDIOLOGY SERVICES	7301 FRONTAGE RD	SHAWNEE MISSION	-	-	-
RadMat	CENTRAL STATES MEDICAL	5500 BUENA VISTA ST	SHAWNEE MISSION	-	-	-
RadMat	DEFFENBAUGH INDUSTRIES	18181 W 53RD ST	Shawnee	-	-	-
RadMat	KRAMER & CROUSE CARDIOLOGY	7301 E FRONTAGE RD	SHAWNEE MISSION	-	-	-



Shawnee (Johnson County) Critical Facilities

Facility	Name	Address	City	Insured Value	Occupancy	Substance (if applicable)
RadMat	MID-AMERICA CALIBRATIONS	5500 BUENA VISTA ST	SHAWNEE MISSION	-	-	-
RadMat	MID-AMERICA CARDIOLOGY ASSOCIATES	7405 RENNER RD	Shawnee	-	-	-
RadMat	SHAWNEE MISSION MEDICAL CENTER	9100 W 74TH ST	SHAWNEE MISSION	-	-	-

Spring Hill (Johnson County) Critical Facilities

Spring Hill (Johnson County) Critical Facilities

Facility	Name	Address	City	Insured Value	Occupancy	Substance (if applicable)
County Facility	HSA MultiService Center - Spring Hill	401 N. Madison	Spring Hill	\$ 1,700,000.00	550	-
County Facility	Med-Act 1157 (Spring Hill FD)	20500 W. 207th St.	Spring Hill	-	-	-
County Facility	Spring Hill	109 S. Webster	Spring Hill	-	-	-
County Facility	Spring Hill Antenna	302 North Jefferson	Spring Hill	-	-	-
County Facility	Spring Hill Public Works	520 E. Nichols	Spring Hill	\$ 200,000.00	F-1	-
County Facility	Spring Hill Wastewater Plant	22711 Woodland	Spring Hill	\$ 3,500,000.00	F-2	-
County Facility	Spring Hill Community Center	613 S. Race St.	Spring Hill	\$ 232,000.00	A-2 OL=125	-
County Facility	Spring Hill Storage	520 E. Nichols	Spring Hill			-
Daycare	Day Brook Learning Center	22498 Harrison St.	Spring Hill	\$ 550,000.00	I-4	-
Daycare	Kidz, Inc.	110 E. Wilson St.	Spring Hill	\$ 510,000.00	I-4	-
Fire Station	Dist 2, Stn 4	20500 W 207 th Street	Spring Hill	\$ 1,200,000.00		-
Government Office	Spring Hill City Hall	401 N Madison St,	Spring Hill	\$ 50,000.00	10	-
Government Office	Post Office	418 E. Nichols	Spring Hill	\$ 77,320.00	B	-
HazMat	A & M Products Mfg Co	705 N Lincoln Street	Spring Hill	-	-	ACTIVATED CHARCOAL, SULFURIC ACID, Borax Pentahydrate, Cedar Wood Chips, Granular Bentonite, Instatn-Loc Hot Melt Adhesive, Silica Gel, Versa Melt 32-2240 Hot Melt Adhesive, LEAD, Dry Fragrance, Zeolite
HazMat	AFG Industries, Inc. - Spring Hill	20400 Webster Street	Spring Hill	-	-	CAUSTIC SODA, DIESEL FUEL, ETHYLENE, HYDROGEN, Limestone, NITROGEN, (CRYOGENIC LIQUID), Silica Sand, Soda Ash, SODIUM SULFITE,



Spring Hill (Johnson County) Critical Facilities

Facility	Name	Address	City	Insured Value	Occupancy	Substance (if applicable)
						SULFURIC ACID, Tin, Carb-O-Site, dolomite, ICD-1022, ICD-1119, OXYGEN,(CRYOGENIC LIQUID), ROUGE (IRON OXIDE), SILANE, SULFUR DIOXIDE
HazMat	Farmers Union Coop	110 S Frank Street	Spring Hill	-	-	AMMONIA (ANHYDROUS)
HazMat	Praxair Inc	20400 Webster Street	Spring Hill	-	-	NITROGEN
HazMat	Spring Hill Oil Co. Inc.	207 S Frank Street	Spring Hill	-	-	PROPANE
HazMat	Sprint Communications Company L.P. - Spring Hill	416 E Nichols Street	Spring Hill	-	-	SULFURIC ACID
Nursing Home	Beverly Health Care & Rehab	251 E Wilson St	Spring Hill	\$ 1,400,000.00	47 beds	-
Nursing Home	Spring Hill Senior Government Assisted Housing	116 E. Lawrence	Spring Hill	\$ 407,000.00	R-2 24 units	-
Nursing Home	Low-income Government Assisted Housing	158 E. Lawrence	Spring Hill	\$ 602,900.00	R-2 36 units	-
Nursing Home	Golden Living Center	251 E. Wilson St.	Spring Hill	\$ 1,400,000.00	I-2 47 beds	-
Nursing Home	Cozy Haven Senior Housing	210 S. Washington St.	Spring Hill	\$ 400,000.00	I-1 12 units	-
Nursing Home	Assisted Life Styles-Nursing/Convalescent	22550 S. Franklin St.	Spring Hill	\$ 1,600,000.00	I-1 12 units	-
Police	Spring Hill Police	302 N Jefferson	Spring Hill	leased	54	-
Police	Westwood Police	4700 Rainbow Rd	Spring Hill	-	-	-
	Spring Hill Civic Center	401 N. Madison 302 N. Jefferson	Spring Hill	\$ 1,700,000.00	B/A-3 OL=gym 480	-

Westwood (Johnson County) Critical Facilities

Westwood (Johnson County) Critical Facilities

Facility	Name	Address	City	Insured Value	Occupancy	Substance (if applicable)
Government Office	Mission Woods City Hall	4700 Rainbow Blvd	Westwood	-	-	-
Government Office	Westwood City Hall	4700 Rainbow Blvd	Westwood	-	-	-
HazMat	Sprint Communications Company L.P. - Westwood Co	2330 Shawnee Mission Parkway	Westwood	-	-	SULFURIC ACID, DIESEL FUEL, LEAD COMPOUNDS



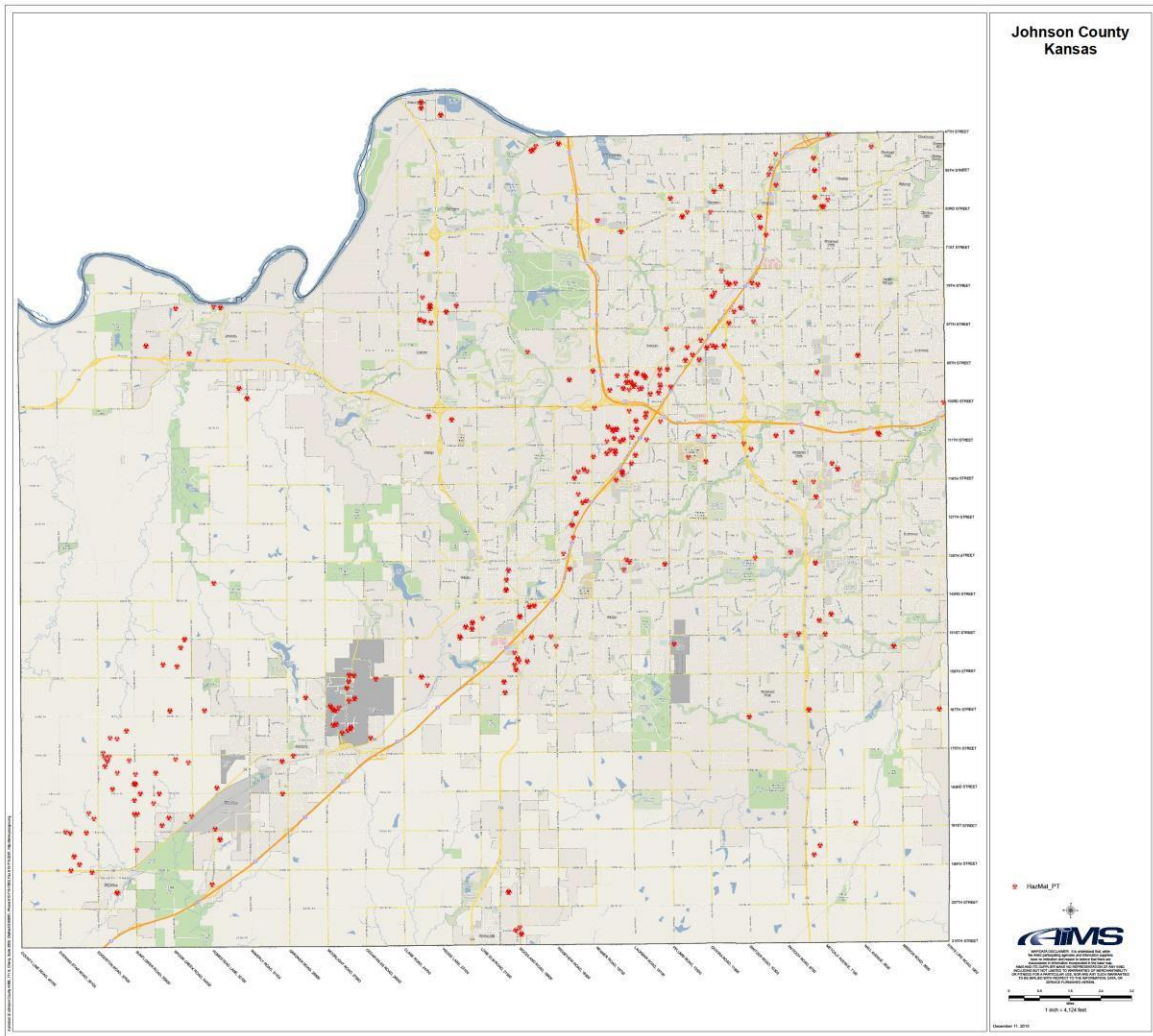
Westwood Hills (Johnson County) Critical Facilities

Westwood Hills (Johnson County) Critical Facilities

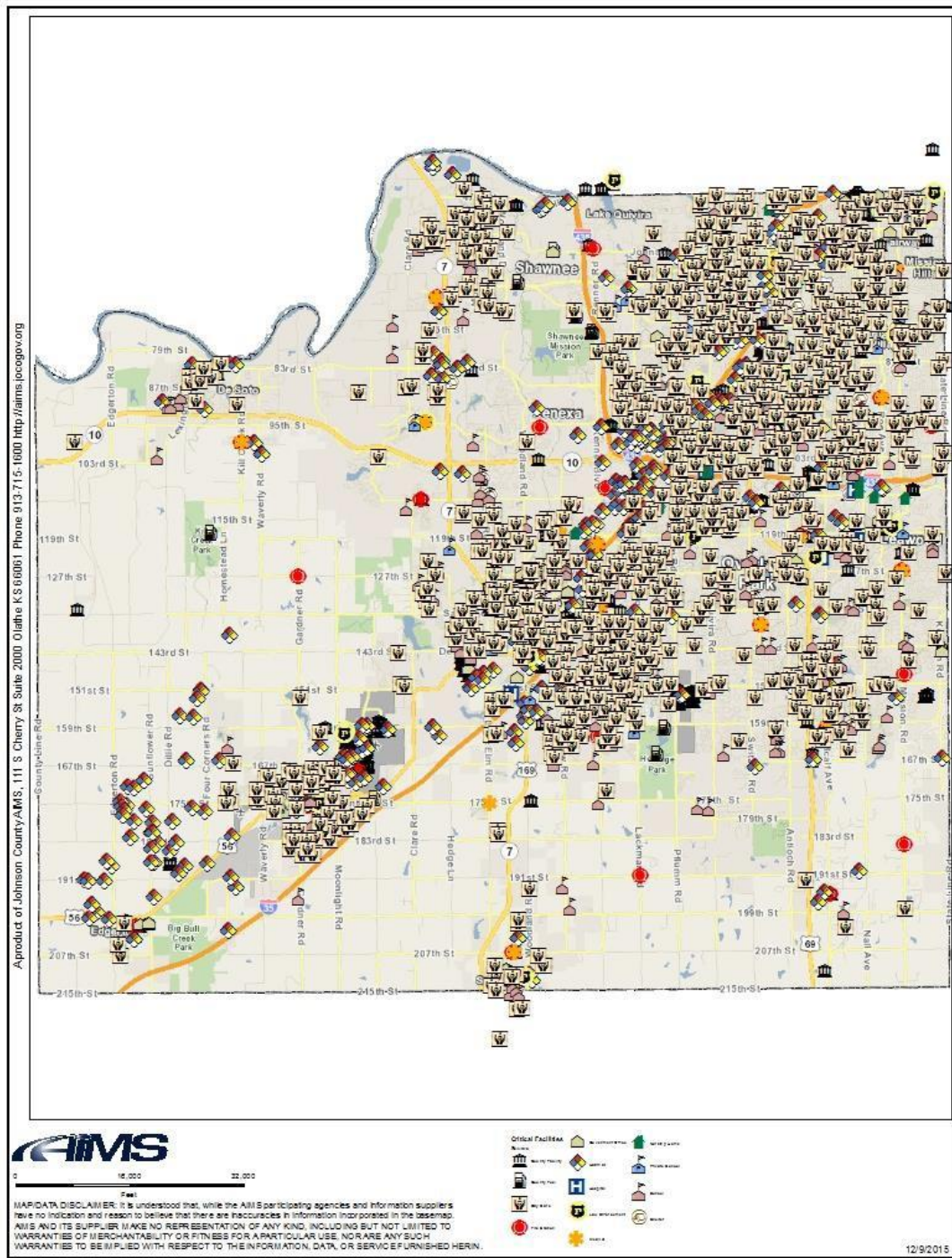
Facility	Name	Address	City	Insured Value	Occupancy	Substance (if applicable)
Government Office	Westwood Hills City Hall	5008 State Line Rd	Westwood Hills	-	-	-



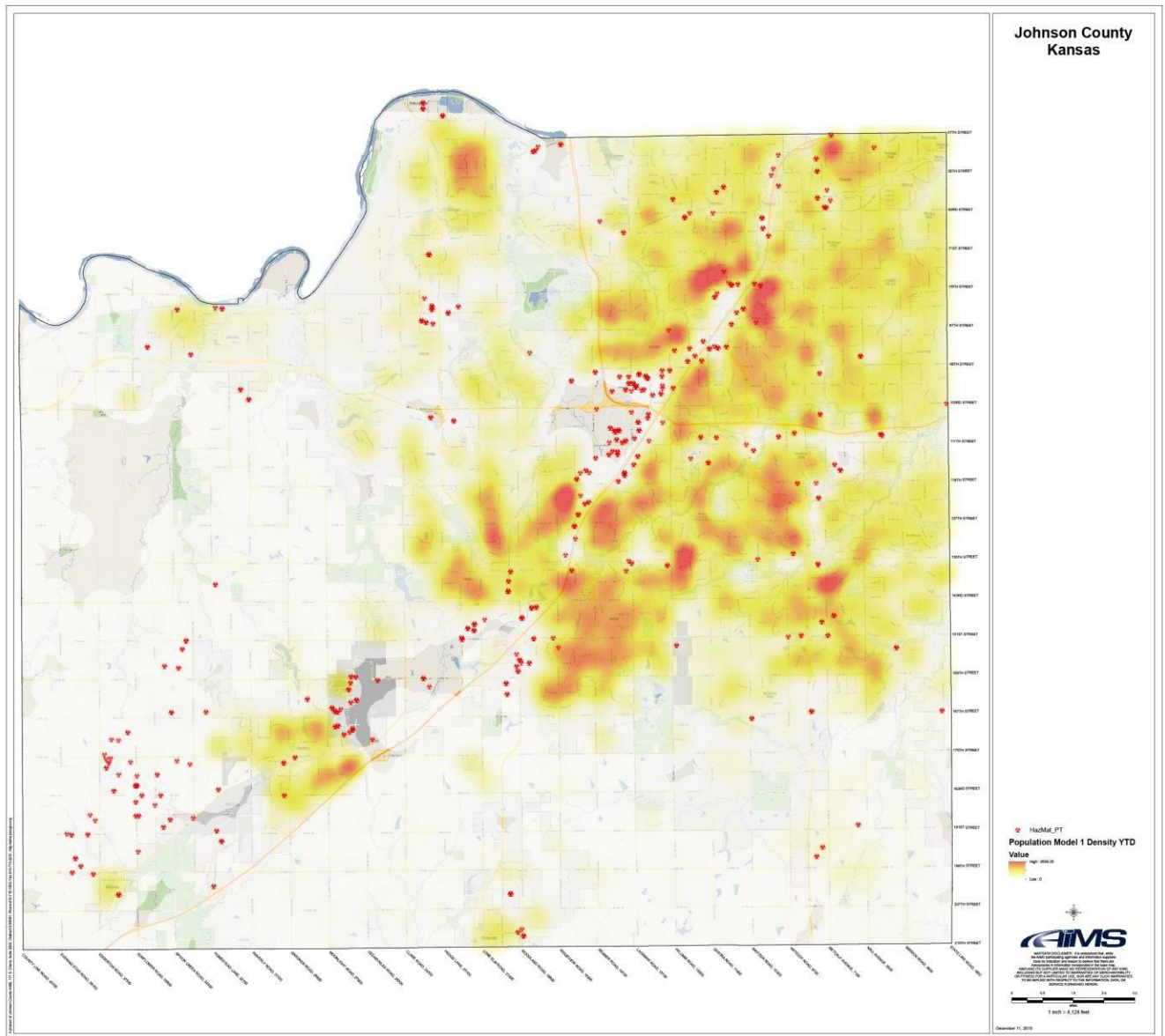
Johnson County HazMat Facilities



Johnson County Critical Facilities with HazMat



Johnson County Population Density in Relation to HazMat

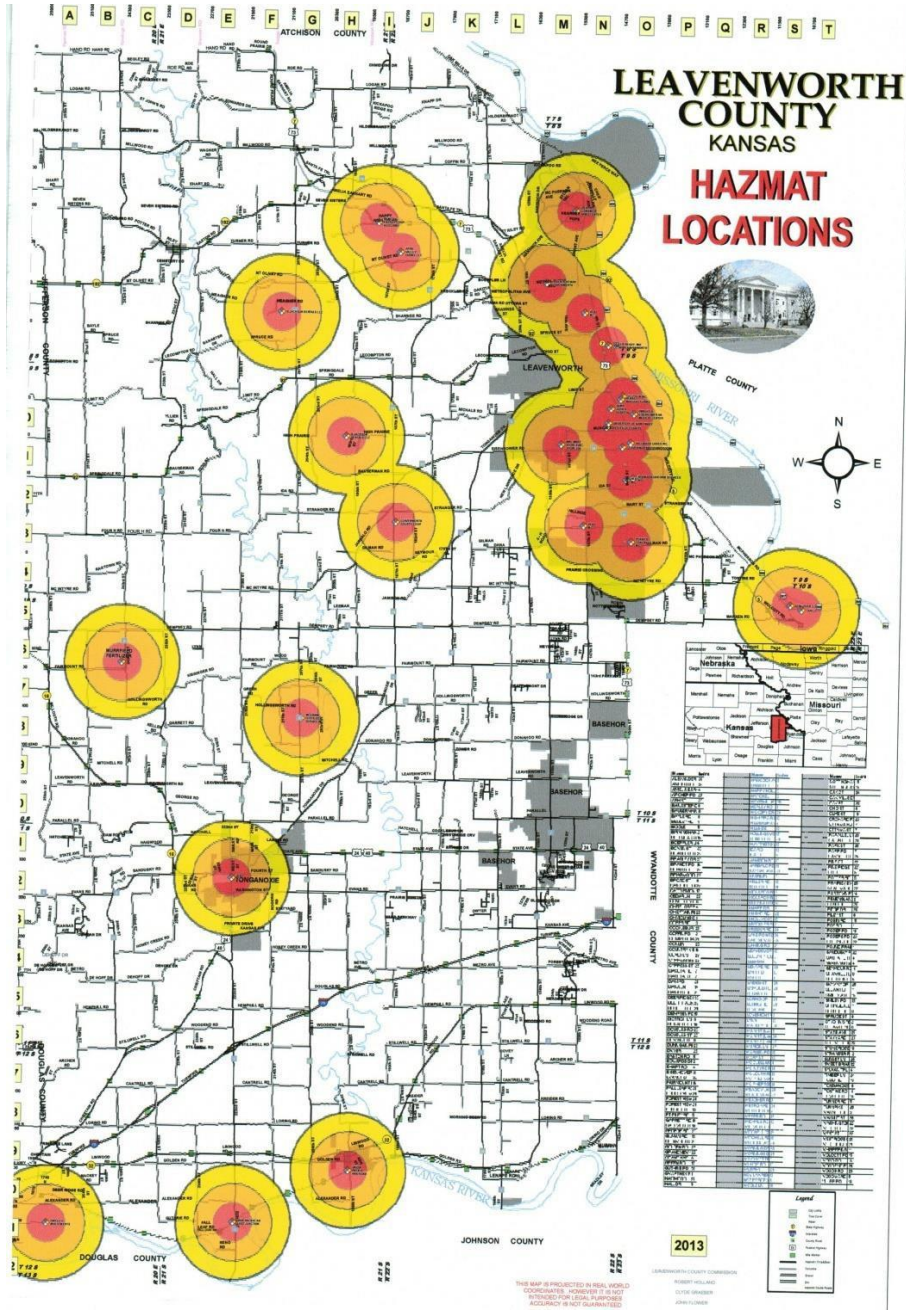


Leavenworth County Critical Facilities

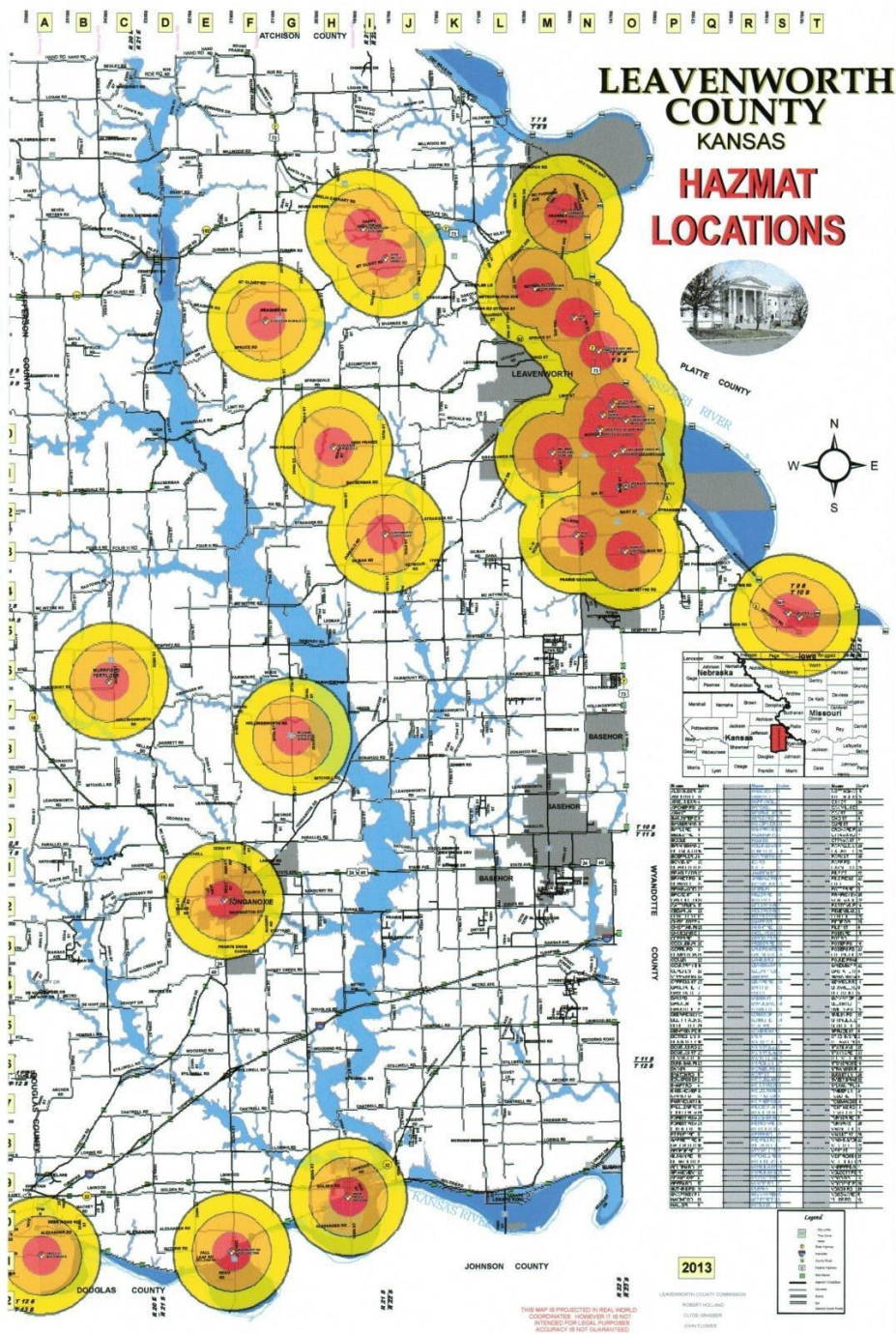
Type of Facility	Current Conditions			Projection Year: 2040 (CAGR: 1.03%)		
	Number of Existing Buildings/ Facilities	Replacement Value	Number of People	Number of Future Buildings/ Facilities	Future Replacement Value	Future Number of People
Communications (radio, TV, similar)	2	\$190,000	8	3	\$263,483	11
County Emergency Operations Center (EOC)	2	\$850,000	2	3	\$1,178,739	3
Fire/EMS Stations	17	\$15,000,000	40	24	\$20,801,271	55
Hospital(s)	2	\$9,975,000	75	3	\$13,832,845	104
Law Enforcement (Police/Sheriff Bldgs)	4	\$25,652,000	145	6	\$35,572,947	201
Emergency Shelters (schools)	34	\$1,200,000	6,600	47	\$1,664,102	9,153
Major Government buildings	64	\$1,402,039,920	1,200	89	\$1,944,280,841	1,664
Major Roads (Mi)	192	\$648,758,000	0	267	\$899,666,074	0
Bridges (No.)	222	\$106,071,000	0	308	\$147,094,109	0
Fuel Storage Areas	1	\$4,500,000	7	1	\$6,240,381	10
Electric/Gas Utilities	2	\$2,071,000	10	3	\$2,871,962	14
Pumping Stations	0	0	0	0	0	0
Response Staging Areas	0	0	0	0	0	0
Sewage Treatment Plants	9	\$569,430,000	20	12	\$789,657,858	28
Transportation Systems	12	\$62,130,000	40	17	\$86,158,865	55
Water Treatment Plants	6	\$131,000,000	25	8	\$181,664,435	35
Wells and Storage Tanks	20	\$230,000	0	28	\$318,953	0



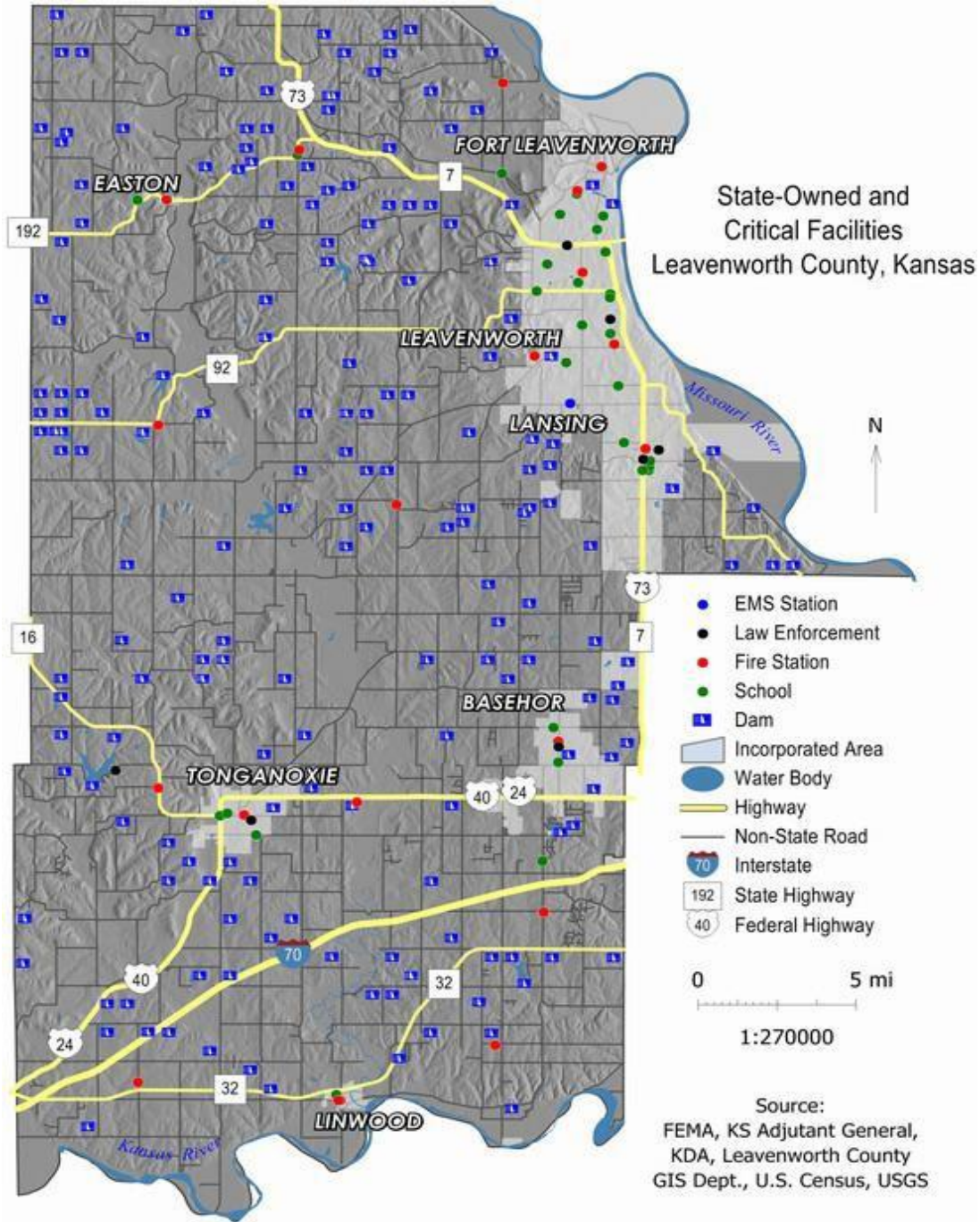
Leavenworth County HazMat Locations



Leavenworth County HazMat Locations in Relation to Floodplains



Leavenworth County Critical Facilities Map



Wyandotte County Critical Facilities

Wyandotte County Critical Facilities

Facility	Address	City	Zip	EHS Facility
A & E Custom Mfg	3150 Chrysler Rd	Kansas City	66115	
Advantage Metals Recycling	1153 S 12th St	Kansas City	66105	x
Advantage Metals Recycling	1015 S Packard St	Kansas City	66105	x
Airgas Mid South	1845 Foxridge Dr	Kansas City	66106	
Airgas Specialty Products	2500 State Line Rd	Kansas City	66103	x
ALS Services USA	935 Sunshine Rd	Kansas City	66115	x
APAC-Kansas Inc	4318 Speaker Rd	Kansas City	66106	
APAC-Kansas Inc	1800 S 121st St	Bonner Springs	66012	
Ash Grove Cement	620 Southwest Blvd	Kansas City	66103	
AT&T Telephone Facility	163 N. Nettleton	Bonner Springs	66012	x
AT&T Telephone Facility	6425 Parallel	Kansas City	66201	x
AT&T Telephone Facility	901 N. 10th	Kansas City	66101	x
AT&T Telephone Facility	1911 N 138th	Kansas City	66109	x
Bartlett Grain Co.	940 Kindelberger Rd	Kansas City	66115	
Bartlett Grain Co.	1310 Fairfax Trfwy	Kansas City	66115	
Barton Solvents	901 S 66th Terr	Kansas City	66111	
BFI Waste Services	3150 N 7th St	Kansas City	66115	
BNSF Railroad	2201 Argentine Blvd	Kansas City	66106	x
BPU-Nearman Water Processing	4301 Brenner Dr	Kansas City	66104	x
BPU-Parallel Water Reserve	56th & Parallel	Kansas City	66102	
BPU-Quindaro	3601 N 12th St	Kansas City	66104	
BPU-Riverview	6742 Riverview	Kansas City	66102	
Cabelas Kansas City Retail	10300 Cabela Dr	Kansas City	66111	x
Canfield & Joseph	830 Armourdale Pkwy	Kansas City	66119	
Caravan Ingredients	550 S 18th St	Kansas City	66105	
Central Solutions	401 Funston Rd	Kansas City	66115	
Century Concrete	8901 Woodend	Edwardsville	66111	
Cereal Food Processors	56 Silver Ave	Kansas City	66103	x
CSM Bakery Products	2410 S Scheidt Ln	Bonner Springs	66012	x



Wyandotte County Critical Facilities

Facility	Address	City	Zip	EHS Facility
Darling International	685 Adams St	Kansas City	66105	
Dayton Superior Specialty	636 S 66th Terr	Kansas City	66111	x
Deffenbaugh HQ & Fleet Maint	2601 Mid-West Dr	Kansas City	66111	
Deffenbaugh Materials Recycling Facility	8905 Kaw Dr	Kansas City	66111	
Estes Express Lines	4601 Speaker Rd	Kansas City	66106	
Exide Technologies	3001 Fairfax Trfwy	Kansas City	66115	
Exide Technologies	501 Kindelberger Rd	Kansas City	66115	x
Exxon Mobil Oil Corp	966 Sunshine Rd	Kansas City	66115	
Fahey, J.M. Construction	7014 Holliday Dr	Kansas City	66106	
Fairfax Town Border	3370 Harvester Rd	Kansas City	66115	
FedEx Freight	9140 Woodend Rd	Edwardsville	66111	
Forbo Adhesives	3150 Fiberglass Rd	Kansas City	66115	x
Fordyce Concrete	211 Central Ave	Kansas City	66101	
Frito-Lay Kansas City Mega DC	2040 S 45th St	Kansas City	66106	x
Fuchs Lubricants - Century Lubricants	2140 S 88th St	Kansas City	66111	
Garsite LLC	539 S 10th St	Kansas City	66105	
Gatx Corporation	6600 Thorn Dr	Kansas City	66106	
General Motors	3201 Fairfax Trfwy	Kansas City	66115	x
General Motors Yard	200 East Marley Rd	Kansas City	66115	
Glen-Gery Corp	336 S 42nd St	Kansas City	66106	
Graham Packaging Company	2077 Bayard Ave	Kansas City	66105	x
Harcross Chemicals	5200 Speaker Rd	Kansas City	66106	x
Heathwood Oil Inc.	2011 N 10th St	Kansas City	66104	
Herff Jones, Inc.	2525 Midpoint Dr	Edwardsville	66113	x
Hillshire Brands Co.	4612 Speaker Rd	Kansas City	66106	x
Holland, Inc.	9711 State Ave	Kansas City	66111	
International Food Products	6721 Griffin Rd	Kansas City	66111	
International Paper	2101 Kansas Ave	Kansas City	66105	x
INX International	2647 S 96th St	Edwardsville	66111	
Jiffy Lube #2218	4214 Rainbow Blvd	Kansas City	66103	
Jiffy Lube #491	1010 N 78th St	Kansas City	66112	
Johnson County Water Dist #1	4340 N 60th St	Kansas City	66104	x



Wyandotte County Critical Facilities

Facility	Address	City	Zip	EHS Facility
Johnson County Water Dist #1	7601 Holliday Dr	Kansas City	66106	x
Johnson County Water Dist #1	8715 Holliday Drive	Kansas City	66106	x
Johnson County Water Dist #1	10900 Sam Clark Ln	Kansas City	66109	
Kansas City Abrasives	3140 Dodge Rd	Kansas City	66115	
Kansas City Steak Co	100 Osage Ave	Kansas City	66105	x
Keebler Company	801 Sunshine Rd	Kansas City	66115	x
Keller Fire & Safety	1138 Kansas Ave	Kansas City	66105	
Talon Concrete	317 S 3rd	Kansas City	66117	
Liquid Environmental Solutions	3349 Harvester Rd	Kansas City	66115	x
Lowe's of Kansas City	6920 State Ave	Kansas City	66102	
Magellan - Argentine Station	3401 Fairbanks	Kansas City	66106	
Magellan Kansas City Terminal	401 E Donovan Rd	Kansas City	66115	
Magellan Reclamation Facility	1090 C Sunshine Rd	Kansas City	66115	
McCulley Oil	1925 N 9th St	Kansas City	66101	
MCI	313 E Donovan Rd	Kansas City	66115	x
Mid-West Terminal	#2 Woodswether Rd	Kansas City	66118	
Millard Refrigerated Services	2350 S 98th St	Edwardsville	66111	x
NAPA Distribution	250 Osage Ave	Kansas City	66105	x
Nexeo Solutions - Speaker Rd	5420 Speaker Rd	Kansas City	66106	x
Nexeo Solutions - Swartz Rd	5022 Swartz Rd	Kansas City	66106	x
Orion Fittings	2850 Fairfax Trfwy	Kansas City	66115	
Owens Corning	300 Sunshine Rd	Kansas City	66115	x
Parker Oil Company, Inc.	6601 Kansas Ave	Kansas City	66111	
PBI Gordon	300 S 3rd St	Kansas City	66118	
Phillips 66	209 Fairfax Trafficway	Kansas City	66115	
Plastic Packaging Technologies	750 S 65th St		66111	
PQ Corporation	1700 Kansas Ave	Kansas City	66105	x
Procter & Gamble	1900 Kansas Ave	Kansas City	66105	x
Providence Medical Center	8929 Parallel Pkwy	Kansas City	66112	x
Quikrete Company	2430 S 88th St	Kansas City	66111	
RockTenn CP LLC	510 Division St	Kansas City	66103	
Sams Club 4870	10510 Parallel Pkwy	Kansas City	66109	x



Wyandotte County Critical Facilities

Facility	Address	City	Zip	EHS Facility
Sinclair Oil - KC Pipeline	3401 Fairbanks	Kansas City	66106	
Stericycle, Inc.	3140 N. 7th St Trfwy	Kansas City	66115	x
Swift Transportation	9000 Woodend Rd	Edwardsville	66111	x
Kincaid Ready Mix	5620 Wolcott Dr	Kansas City	66109	
Union Pacific Railroad	18th & I-70	Kansas City	66105	
Universal Lubricants	601 S 66th Terr	Kansas City	66111	
US Postal Service	4900 Speaker Rd	Kansas City	66106	x
Verizon Wireless	605 North 110th St	Kansas City	66111	x

Wyandotte County Chemical Manufacturing Facilities

Wyandotte County Chemical Manufacturing Facilities

Name	Address	Chemical	City	State	Zip	Tier	Latitude	Longitude	Comments
PQ Corporation Kansas City Site (Zeolyst)	1700 Kansas Ave,	Piperidine	Kansas City	KS	66105	3	-	-	-
Harcros Chemicals Inc - Kansas City	5200 Speaker Rd	Ethylene oxide	Kansas City	KS	66106	3	-	-	-
The Procter & Gamble Manufacturing Company	1900 Kansas Ave	Bromine	Kansas City	KS	66105	4	-	-	-
LaRoche Industries Inc.	2500 State Line Rd	Ammonia (anhydrous)	Kansas City	KS	66103	4	-	-	-
Quindaro Water Treatment Plant-BPU	3601 N 12th Street	Chlorine	Kansas City	KS	66104	4	-	-	-
Reichhold, Inc.		Vinyl acetate monomer [Acetic acid ethenyl ester]	Kansas City	KS	66115	4	-	-	-
Millard Refrigerated Services	2350 S 98th Street	Ammonia (anhydrous)	Edwardsville	KS	66111	4	-	-	-
Kansas City Product Supply Center		Ammonia (anhydrous)	Kansas City	KS	66106	4	-	-	-



Wyandotte County Chemical Manufacturing Facilities

Name	Address	Chemical	City	State	Zip	Tier	Latitude	Longitude	Comments
Ashland Distribution Company	5420 Speaker Road	Aroset ps 6204	Kansas City	KS	66106	-	39.095866	-94.704698	EHS
AWG INC	5000 Kansas Ave	Ammonia	Kansas City	KS	66106	-	39.091221	-94.689720	EHS
Barton Solvents	901 S 66th Terrace	Dichloromethane	Kansas City	KS	66111	-	39.081476	-94.731470	EHS
BNSF Railway Company	2201 Argentine Blvd.	Polypropylene	Kansas City	KS	66106	-	39.078567	-94.654458	EHS
Nearman Water Treatment Plant-BPU	4301 Brenner Drive	Chlorine	Kansas City	KS	66104	-	39.170924	-94.693310	EHS
Conagra Foods	4612 Speaker Road	Anhydrous Ammonia	Kansas City	KS	66106	-	39.097014	-94.683554	EHS
Dayton Superior Corporation	1100 Blake	Formaldehyde	Edwardsville	KS	66113	-	39.055685	-94.812689	EHS
Exide Technologies	3001 Fairfax Trafficway	Sulphuric Acid, Sodium Hydroxide	Kansas City	KS	66115	-	39.140247	-94.610435	EHS
Forbo Adhesives	3150 Fiberglass Road	Vinal Acetate	Kansas City	KS	66115	-	39.617434	-94.617434	EHS
GM Fairfax Plant	3201 Fairfax Trafficway	Hydrochloric Acid	Kansas City	KS	66115	-	39.603630	-94.603630	EHS
Griffin Wheel Company	7111 Griffin Road	Phenol	Kansas City	KS	66111	-	39.080864	-94.742250	EHS
Johnson County Water District #1 Hansen Water Treatment Plant	7601 Holliday Drive	Chlorine	Kansas City	KS	66106	-	39.054029	-94.757112	EHS
Johnson County Water District #1 -Kansas River Supply Facility	4340 N 60th Street	Chlorine	Kansas City	KS	66104	-	39.165407	-94.718852	EHS
Legacy Technologies Inc.	1851 Merriam Lane	Ammonia	Kansas City	KS	66106	-	39.049057	-94.651012	EHS
Midwest Cold Storage	1101 S 6th Street	Anhydrous Ammonia	Kansas City	KS	66105	-	39.080055	-94.619249	EHS
Nordic Food Co. Inc.	4747 Speaker Road	Ammonia	Kansas City	KS	66106	-	39.094369	-94.696433	EHS



Wyandotte County Chemical Manufacturing Facilities

Name	Address	Chemical	City	State	Zip	Tier	Latitude	Longitude	Comments
Owens Corning	300 Sunshine Blvd	Phenol	Kansas City	KS	66115	-	39.148614	-94.614303	EHS
PBI/GORDON	300 S 3rd Street	Dimethyl-2.2 - Dichlorovinalphosphate	Kansas City	KS	66118	-	39.099463	-94.615642	EHS
GS Robbins and Company	2955 Chrysler Road	Chlorine	Kansas City	KS	66115	-	39.138834	-94.610600	EHS

Wyandotte County City Road Bridges

Wyandotte County Chemical City Road Bridges

Facility Carried	Intersecting Feature	Location	Average Daily Traffic	Service on Structure	Service Under Structure	Latitude	Longitude	Comments
I35 HWY	MISSION BLVD	I35 and Mission Blvd	1,000,000	Highway	Roadway, Waterway	39.063058	-94.625512	-
I35 HWY	7th Street	I35 and 7th Street	1,000,000	Highway	Roadway	39.071172	-94.619529	-

Wyandotte County Colleges and Universities

Wyandotte County Colleges and Universities

Name	Address	City	State	Zip	Sector	Latitude	Longitude	Comments
Cutting Edge Hairstyling Academy	4327 State Ave	Kansas City	KS	66102	Private for-profit, less-than-2-year	39.116785	-94.608532	-
Central Baptist Theological Seminary	741 N 31st St	Kansas City	KS	66102-3964	Private nonprofit, 4-year or above	39.113399	-94.664021	-
Donnelly College	608 N 18th St	Kansas City	KS	66102	Private nonprofit, 2-year	39.111961	-94.649235	-



Wyandotte County Colleges and Universities

Name	Address	City	State	Zip	Sector	Latitude	Longitude	Comments
Kansas City Area Technical School	2220 N. 59th St.	Kansas City	KS	66104		39.130493	-94.715206	-
Kansas City Kansas Community College	7250 State Ave	Kansas City	KS	66112	Public, 2-year	39.116603	-94.746726	-
University of Kansas Medical Center	3901 Rainbow Blvd	Kansas City	KS	66160	Public, 4-year or above	39.059104	-94.613034	-

Wyandotte County Commercial Overnight Shipping

Wyandotte County Commercial Overnight Shipping

Name	Address	City	State	Zip	Location Type	Latitude	Longitude	Comments
Fedex Freight East	9140 Woodend Road	Edwardsville	KS	66111	Freight	39.051091	-94.792996	800-872-7028
UPS Customer Center	223 N. James Street	Kansas City	KS	66118	UPS Store/Customer Center	39.107763	-94.612504	800-742-5877

Wyandotte County Hospitals

Wyandotte County Hospitals

Name	Address	City	State	Zip	Latitude	Longitude	Comments
Providence Medical Center	8929 Parallel Pkwy	Kansas City	KS	66112	39.128584	-94.786715	-
Rainbow Mental Health Facility	2205 W. 36 Ave	Kansas City	KS	66103	39.061409	-94.610807	-
University of Kansas Hospital	3901 Rainbow Blvd	Kansas City	KS	66103	39.057380	-94.611755	-
Wyandotte Mental Health Ctr	1223 Meadowlark Ln	Kansas City	KS	66102	39.118563	-94.709787	-



Wyandotte County Levees

Wyandotte County Levees

Name	Address	City	State	Zip	Latitude	Longitude	Comments
Fairfax Drainage	1620 Fairfax Trfwy	Kansas City	KS	66115	-	-	Fairfax--Upper Jersey Creek
Kaw Valley Drainage	719 Osage	Kansas City	KS	66105	-	-	Argentine Unit - 5.48 mi
Kaw Valley Drainage	719 Osage	Kansas City	KS	66105	-	-	Armourdale Unit - 6.45 mi
Kaw Valley Drainage	719 Osage	Kansas City	KS	66105	-	-	Central Industrial Dist. 3.30 mi
Kaw Valley Drainage	719 Osage	Kansas City	KS	66105	-	-	Fairfax-Jersey Creek Unit .92 mi

Wyandotte County Maritime Port Facilities

Wyandotte County Maritime Port Facilities

Name	Port	Waterway	City	Location	Latitude	Longitude	Comments
Farmland Industries; Grain Elevator 'X' Dock.	Missouri/ Arkansas River	Missouri River	Kansas City	Right bank, Missouri River, mile 373.3 above Fairfax (U.S. Highways 69-169) Bridge.	-	-	-
Williams Energy Services Co., Kansas City Dock.	Missouri/ Arkansas River	Missouri River	Kansas City	Right bank, Missouri River, mile 368.3 approximately 0.8 above mouth of Kansas River.	-	-	-
Kansas City-Wyandotte County Joint Port Authority Wharf.	Missouri/ Arkansas River	Missouri River	Kansas City	Right bank, Missouri River, mile 367.6 above mouth of Kansas River.	-	-	-



Wyandotte County Petroleum Storage Tank Farms

Wyandotte County Petroleum Storage Tank Farms

Address	City	State	County	Storage Capacity (Barrels)	Latitude	Longitude	Comments
2029 Fairfax Trfwy	Kansas City	KS	Wyandotte	1,310,000	39.123824	-94.610888	-
313 E Donovan Rd	Kansas City	KS	Wyandotte	1,290,000	39.135685	-94.607886	Magellan Kansas City Terminal
3401 Fairbanks Ave	Kansas City	KS	Wyandotte	397,469	39.087881	-94.668101	-

Wyandotte County Potable Water Treatment

Wyandotte County Potable Water Treatment

Address	City	State	County	Population Served	Latitude	Longitude	Comments
4301 Brenner Road	Kansas City	KS	Wyandotte	215500	39.164345	-94.707759	66,104
12301 Kaw Drive	Bonner Springs	KS	Wyandotte	10,000	39.062034	-94.86863	Approx. 3,000 metered customers plus contract sales
7601 Holliday Drive	Kansas City	KS	Wyandotte	350000	39.054029	-94.757112	-

Wyandotte County Primary and Secondary Schools

Wyandotte County Primary and Secondary Schools

Name	Address	City	State	Zip	Latitude	Longitude	Comments
All Saints Elementary School	809 Vermont	Kansas City	KS	66101	39.097704	-94.630434	-
Argentine Middle School	2123 Ruby Ave.	Kansas City	KS	66106	39.07072	-94.65331	-
Arrowhead Middle School	1715 N. 82nd St.	Kansas City	KS	66112	39.124385	-94.769638	-
Banneker Elementary School	2026 N. 4th St.	Kansas City	KS	66101	39.128690	-94.619234	-
Bethel Elementary School	7850 Yecker	Kansas City	KS	66109	39.137876	-94.758329	-
Bishop Ward High School	701 N. 18th St.	Kansas City	KS	66102	39.112604	-94.649235	-



Wyandotte County Primary and Secondary Schools

Name	Address	City	State	Zip	Latitude	Longitude	Comments
Bonner Springs Elementary School	212 South Neconi	Bonner Springs	KS	66012	39.056295	-94.886542	-
Bonner Springs High School	100 North McDaniel	Bonner Springs	KS	66012	39.058531	-94.893330	-
Caruthers Elementary School	1100 Waverly	Kansas City	KS	66104	39.132003	-94.638535	-
Cathedral of St. Peter Elementary School	422 N. 14th St.	Kansas City	KS	66102	39.063555	-94.384153	-
Central Baptist Seminary	741 N. 31st St.	Kansas City	KS	66102	39.133456	-94.664109	-
Central Elementary School	813 Barnett	Kansas City	KS	66102	39.11243	-94.63045	-
Central Middle School	925 Ivandale	Kansas City	KS	66101	39.096104	-94.633514	-
Christ the King Elementary School	3027 N. 54th St.	Kansas City	KS	66104	39.141862	-94.703736	-
Clark Middle School	420 North Bluegrass	Bonner Springs	KS	66012	39.061732	-94.894755	-
Claude Huyck Elementary School	1530 N. 83rd. St.	Kansas City	KS	66112	39.121347	-94.771927	-
Coronado Middle School	1735 N. 64th Terr.	Kansas City	KS	66102	39.124803	-94.728337	-
Donnelly College	608 N. 18th St.	Kansas City	KS	66102	39.119610	-94.649235	-
Douglass Elementary School	1310 N. 9th St.	Kansas City	KS	66101	39.118686	-94.632734	-
Edwardsville Elementary School	1700 South 104th Street	Edwardsville	KS	66111	39.067462	-94.820979	-
Eisenhower Middle School	2901 N. 72nd. St.	Kansas City	KS	66109	39.139103	-94.745238	-
Emerson Elementary School	1429 S. 29th St.	Kansas City	KS	66106	39.07449	-94.66254	-
Endeavor Alternative	2540 Junction Rd.	Kansas City	KS	66106	39.05626	-94.66881	-
Eugene Ware Elementary School	4820 Oakland	Kansas City	KS	66102	39.12141	-94.68897	-
Evening High School	2214 N. 59th St.	Kansas City	KS	66104	39.130384	-94.715208	-
Fairfax Campus	3016 N 9th	Kansas City	KS	66101	39.139413	-94.632849	-
Fairfax Learning Center	4601 State	Kansas City	KS	66101	39.11300	-94.68362	-
Frances Willard Elementary School	3400 Orville	Kansas City	KS	66102	39.10969	-94.66817	-
Frank Rushton Elementary School	2605 W. 43rd Ave.	Kansas City	KS	66103	39.05014	-94.61611	-
Grant Elementary School	1510 N. 4th St.	Kansas City	KS	66101	39.120057	-94.618940	-
Harmon High School	2400 Steele Rd.	Kansas City	KS	66106	39.06305	-94.65663	-
Hazel Grove Elementary School	2401 N. 67th St.	Kansas City	KS	66104	39.132783	-94.733793	-
Holy Name Elementary School	1007 Southwest Blvd.	Kansas City	KS	66103	39.061354	-94.620721	-
John F. Kennedy Elementary School	2600 N. 72nd St.	Kansas City	KS	66109	39.134760	-94.745556	-
John Fiske Elementary School	625 S. Valley	Kansas City	KS	66105	39.08644	-94.64184	-
Junction Elementary School	2570 S. 42nd St.	Kansas City	KS	66106	39.05529	-94.67715	-
Kansas City Kansas Community College	7250 State Ave.	Kansas City	KS	66112	39.116662	-94.746970	-
Kansas School for the Visually Impaired	1100 State Ave.	Kansas City	KS	66102	39.065998	-94.381786	-



Wyandotte County Primary and Secondary Schools

Name	Address	City	State	Zip	Latitude	Longitude	Comments
Lindbergh Elementary School	641 N. 57th St.	Kansas City	KS	66102	39.11109	-94.70970	-
Lowell Preschool	1030 Orville	Kansas City	KS	66102	39.11024	-94.63643	-
M.E. Pearson Elementary School	310 N. 11th St.	Kansas City	KS	66102	39.10768	-94.63842	-
Mark Twain Elementary School	2300 Minnesota Ave.	Kansas City	KS	66102	39.11578	-94.65519	-
McDaniel Resource Center	110 South Nettleton	Bonner Springs	KS	66012	39.057644	-94.884919	-
McDaniel South	402 North Neconi	Bonner Springs	KS	66012	39.061690	-94.886693	-
McKinley Elementary School	611 N. 14th St.	Kansas City	KS	66102	39.11235	-94.64421	-
Midland Trail	3101 South 51st St.	Kansas City	KS	66106	39.04555	-94.69509	-
Morris Elementary School	7120 Gibbs Rd.	Kansas City	KS	66106	39.05899	-94.74533	-
Morse Early Childhood Center	912 S Baltimore	Kansas City	KS	66105	39.08200	-94.63651	-
Muncie Christian School	3650 N. 67th St.	Kansas City	KS	66109	39.153122	-94.733871	-
New Chelsea Elementary School	1835 N. 25th	Kansas City	KS	66104	39.12430	-94.65698	-
New Stanley Elementary School	3604 Metropolitan	Kansas City	KS	66106	39.07312	-94.67076	-
Noble Prentis Elementary School	2337 S. 14th St.	Kansas City	KS	66103	39.05872	-94.64404	-
Northwest Middle School	2400 N. 18th St.	Kansas City	KS	66104	39.132639	-94.650205	-
Oak Grove Elementary School	5340 Oak Grove	Kansas City	KS	66106	39.05582	-94.70208	-
Open Door Christian School	545 S. 94th St.	Kansas City	KS	66111	39.088456	-94.797652	-
Our Lady of Unity Elementary School	2646 S. 34th St.	Kansas City	KS	66106	39.053460	-94.667689	-
Our Savior Lutheran School	4153 Rainbow Blvd.	Kansas City	KS	66103	39.030889	-94.364216	-
Piper Elementary School East	4410 N. 107th St.	Kansas City	KS	66109	39.165246	-94.826746	-
Piper Elementary School West	3130 N 122nd St.	Kansas City	KS	66109	39.144073	-94.861768	-
Piper High School	4400 N. 107th St.	Kansas City	KS	66109	39.164986	-94.826772	-
Piper Middle School	4420 N. 107th St.	Kansas City	KS	66109	39.16702	-94.83136	-
Pleasant Green Community School	340 Oakland	Kansas City	KS	66101	39.071418	-94.370589	-
Quindaro Elementary School	2800 Farrow	Kansas City	KS	66104	39.14477	-94.66008	-
Rosedale Middle School	3600 Springfield	Kansas City	KS	66103	39.06222	-94.61535	-
Schlagle High School	2214 N. 59th.St.	Kansas City	KS	66104	39.131229	-94.715296	-
Silver City Elementary School	2515 Lawrence Ave.	Kansas City	KS	66106	39.06755	-94.65823	-
St. John/Holy Family Elementary School	420 Barnett	Kansas City	KS	66101	39.112775	-94.619934	-
St. Mary's College	608 N. 18th St.	Kansas City	KS	66102	39.119610	-94.649235	-
St. Patrick Elementary School	1066 N. 94th St.	Kansas City	KS	66112	39.114803	-94.797733	-
Stony Point North Elementary School	8200 Elizabeth	Kansas City	KS	66112	39.107756	-94.768722	-



Wyandotte County Primary and Secondary Schools

Name	Address	City	State	Zip	Latitude	Longitude	Comments
Stony Point South Elementary School	150 S. 78th St.	Kansas City	KS	66111	39.095051	-94.760478	-
Sumner Academy	1610 N. 8th St.	Kansas City	KS	66101	39.121050	-94.629411	-
T.A. Edison Elementary School	1000 Locust Ave.	Kansas City	KS	66103	39.04803	-94.63526	-
Turner Elementary School	1800 S. 55th St.	Kansas City	KS	66106	39.06756	-94.70705	-
Turner High School	2211 S. 55th St.	Kansas City	KS	66106	39.060936	-94.705193	-
Turner Middle School	1800 South 55th St.	Kansas City	KS	66106	39.067950	-94.705272	-
V Lindsay Seventh Day Adventist School	3301 Garfield Ave.	Kansas City	KS	66104	39.073410	-94.400141	-
W.A. White Elementary School	2600 N. 43rd Terr.	Kansas City	KS	66104	39.132711	-94.680798	-
Washington High School	7340 Leavenworth Rd.	Kansas City	KS	66109	39.143134	-94.749261	-
Welborn Elementary School	5200 Leavenworth Rd.	Kansas City	KS	66104	39.142942	-94.700059	-
West Middle School	2600 44th St.	Kansas City	KS	66104	39.13376	-94.68212	-
White Church Elementary School	2226 N. 85th St.	Kansas City	KS	66109	39.130832	-94.775715	-
Whittier Elementary School	295 S. 10th St.	Kansas City	KS	66102	39.09600	-94.63497	-
Wyandotte High School	2501 Minnesota Av.	Kansas City	KS	66102	39.115444	-94.656946	-

Wyandotte County Railroad Bridges

Wyandotte County Railroad Bridges

Facility Carried	Intersecting Feature	Location	Average Daily Traffic	Service on Structure	Service Under Structure	Latitude	Longitude	Comments
Railroad	4TH. & 5TH. STREET	4-5th. Street. at Jersey Creek	10	Railroad	Highway, with or without pedestrian	39.121295	-94.615687	-
Railroad	JAMES ST AND I635	Between James St and I635	-	Railroad	Kansas River	39.108811	-94.617759	-
Railroad	I 625	I625	-	Railroad	Kansas River	39.101853	-94.615237	-
Railroad	OSAGE AND RAILROAD ST	Osage and Railroad Street	-	Railroad	Kansas River	39.083675	-94.611410	-



Wyandotte County Railroad Bridges

Facility Carried	Intersecting Feature	Location	Average Daily Traffic	Service on Structure	Service Under Structure	Latitude	Longitude	Comments
Railroad	MISSION BLVD AND SOUTHWEST BLVD	Southwest Boulevard and Turkey Creek	-	Railroad	Turkey Creek	39.061170	-94.625413	-

Wyandotte County Stadiums

Wyandotte County Stadiums

Name	Address	City	State	Zip	Seating Capacity	Latitude	Longitude	Comments
Kansas Speedway	400 Speedway Blvd	Kansas City	KS	66111	125000	39.063313	-94.501012	-

Wyandotte County Telecom Telephone Hotels

Wyandotte County Telecom Telephone Hotels

CLLI Code	City	State	Zip	Exchange Count	Latitude	Longitude	Comments
KSCYKS10	Kansas City	KS	66101	13	-	-	-
KSCYKSPA	Kansas City	KS	66102	8	-	-	-



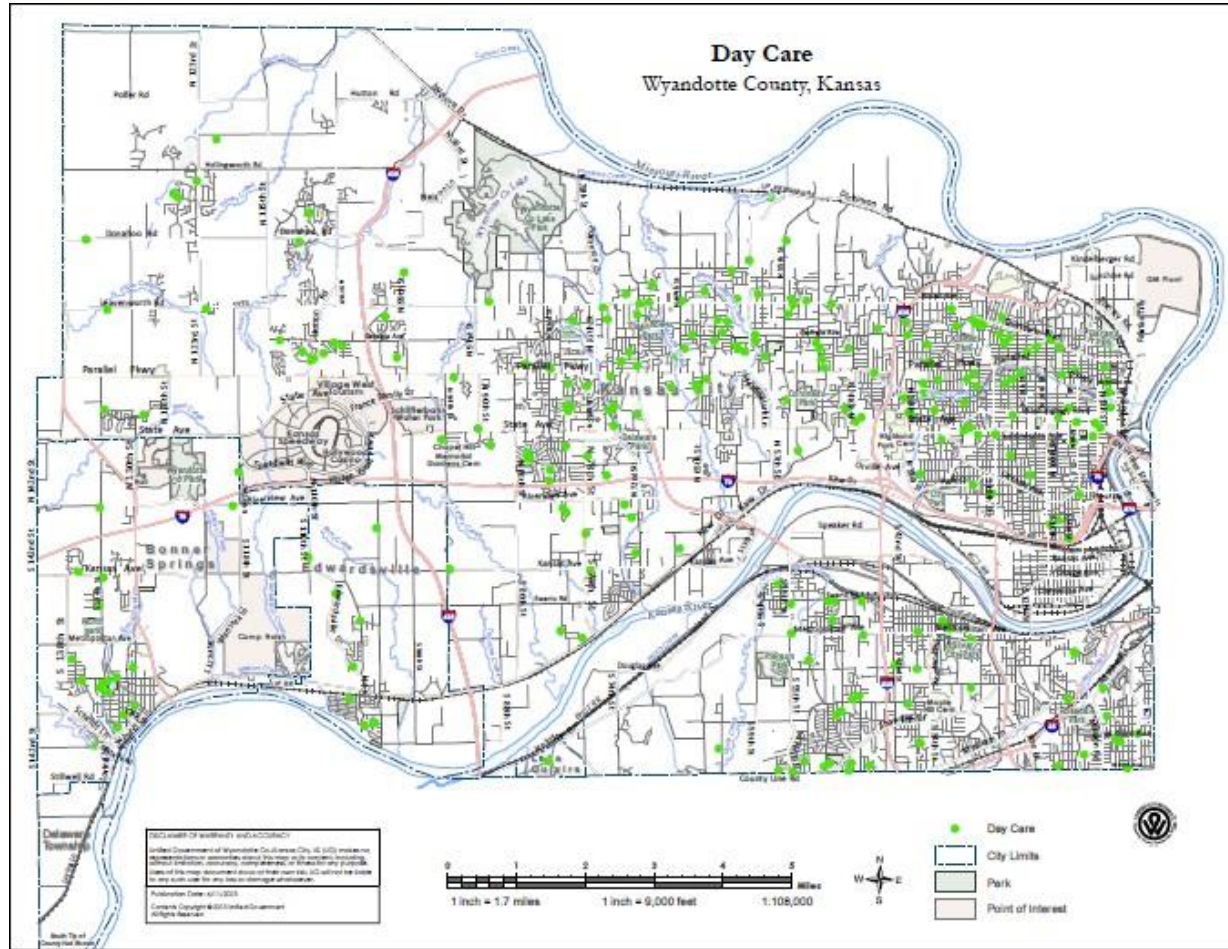
Wyandotte County High Hazard Dams

Wyandotte County High Hazard Dams

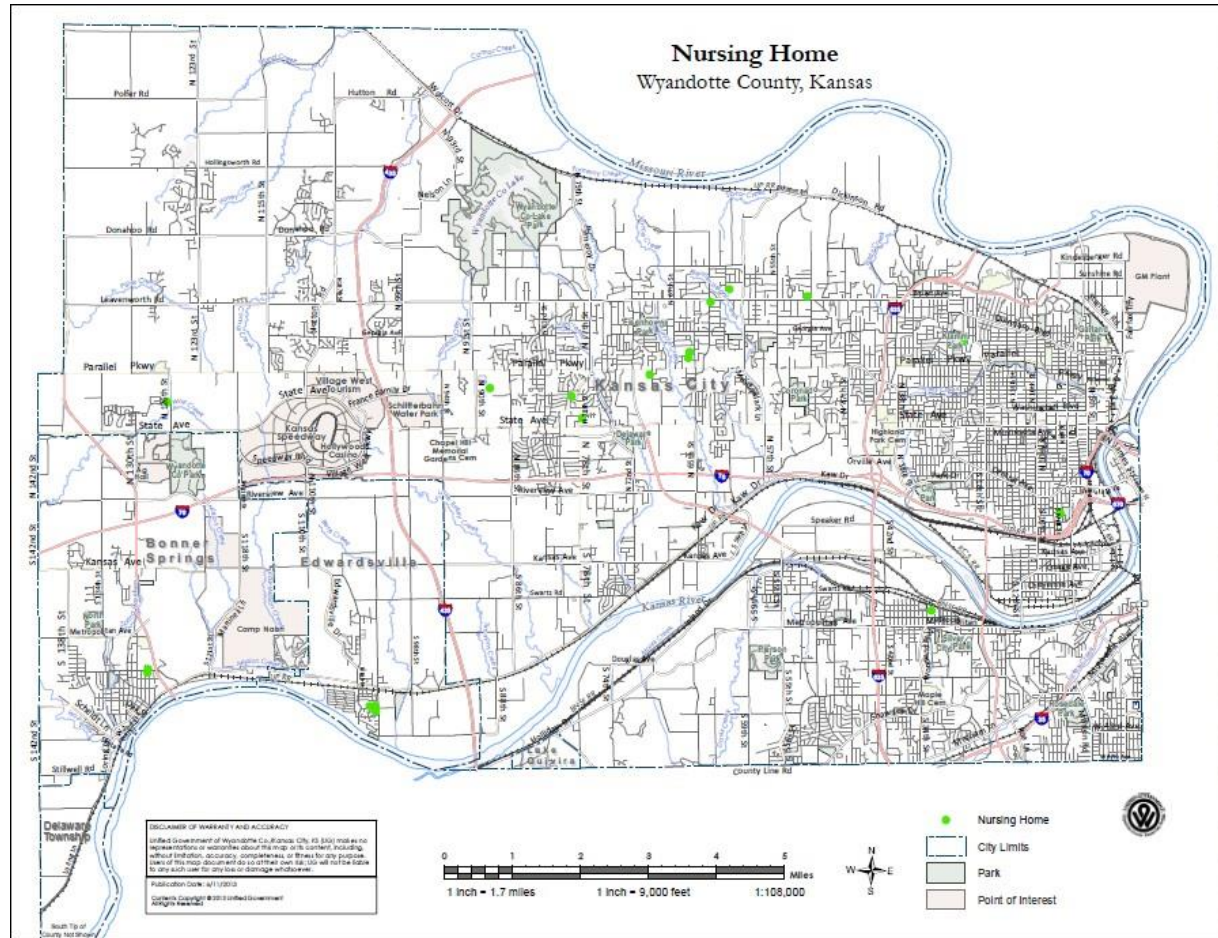
City	State	Zip	Location Type	Latitude	Longitude	Comments
Kansas City	KS	-	-	39.146793	-94.794229	-
Groves Center	KS	-	-	39.090304	-94.82687	-
Kansas City	KS	-	-	39.068555	-94.713437	-
Groves Center	KS	-	-	39.097554	-94.831591	-
Kansas City	KS	-	-	39.110034	-94.780409	-
Bonner Springs	KS	-	-	39.075294	-94.892302	-
Edwardsville	KS	-	-	39.066384	-94.840831	-
Bonner Springs	KS	-	-	39.095724	-94.843271	-
Kansas City	KS	-	-	39.057525	-94.736738	-
Kansas City	KS	-	-	39.178503	-94.865191	-
Kansas City	KS	-	-	39.108414	-94.81756	-
Kansas City	KS	-	-	39.110224	-94.81526	-
Bonner Springs	KS	-	-	39.065264	-94.881732	-



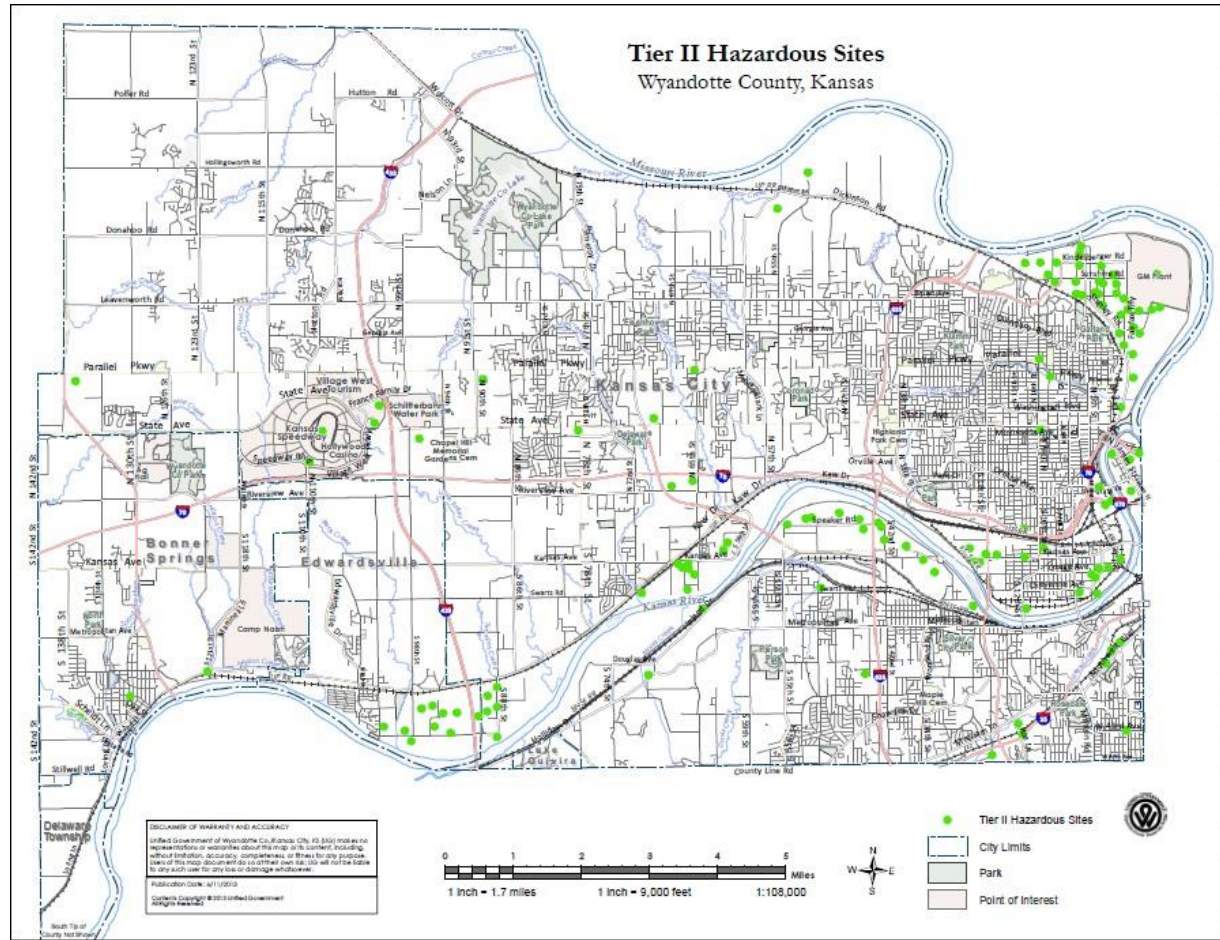
Wyandotte County Day Care Center



Wyandotte County Nursing Homes



Wyandotte County Tier II Facilities



Wyandotte County Tier II Facilities with Floodplains



Resolution # _____

Adopting the Kansas Homeland Security Region L Hazard Mitigation Plan

Whereas, The Leavenworth County Board of County Commissioners recognizes the threat that natural hazards pose to people and property within our community; and

Whereas, undertaking hazard mitigation actions will reduce the potential for harm to people and property from future hazard occurrences, and

Whereas, the U.S. Congress passed the Disaster Mitigation Act of 2000 (“Disaster Mitigation Act”) emphasizing the need for pre-disaster mitigation of potential hazards;

Whereas, the Disaster Mitigation Act made available hazard mitigation grants to state and local governments; and

Whereas; an adopted Hazard Mitigation Plan is required as a condition of future funding for mitigation projects under multiple Federal Emergency Management Agency (FEMA) pre-and post-disaster mitigation grant programs; and

Whereas; The County of Leavenworth fully participated in the FEMA prescribed mitigation planning process to prepare this Multi-Hazard Mitigation Plan; and

Whereas; the Kansas Division of Emergency Management and FEMA region VII officials have reviewed the Kansas Homeland Security Region L Hazard Mitigation Plan, and approved it contingent upon this official adoption of the participating governing body; and

Whereas; the Leavenworth County Board of County Commissioners desires to comply with the requirements of the Disaster Mitigation Act and to augment its emergency planning efforts by formally adopting the Kansas Homeland Security Region L Hazard Mitigation Plan; and

Whereas; adopting by the governing body for the County of Leavenworth demonstrates the jurisdictions’ commitment to fulfilling the mitigation goals and objectives outlined in this plan, and

Whereas; adoption of this legitimizes the plan and authorizes responsible agencies to carry out their responsibilities under the plan.

Now, there forth, be it resolved, that the Leavenworth County Board of County Commissioners adopts the Kansas Homeland Security Region L Hazard Mitigation Plan as an official plan; and

Be it further resolved, the Leavenworth County Board of County Commissioners will submit this adoption Resolution to the Kansas Division of Emergency Management and FEMA Region VII officials to enable the plan’s final approval on this _____Day of June, 2021.

Mike Smith, 4th District, Chairman

Jeff Culberson, 1st District

Vicky Kaaz, 2nd District

Doug Smith, 3rd District

Mike Stieben, 5th District

Attested: _____

Janet Klasinski