

Submit To:  
CHIEF ENGINEER  
Division of Water Resources  
Kansas Department of Agriculture  
1320 Research Park Drive  
Manhattan, KS 66502-5000  
<http://agriculture.ks.gov/dwr>

APPLICATION FOR PERMIT TO  
APPROPRIATE WATER FOR  
BENEFICIAL USE

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13:51  
KS Dept. of Agriculture



State of Kansas

STATUTORY FILING FEE MUST ACCOMPANY THIS APPLICATION  
Please refer to the Fee Schedule attached to this application form.

File Number: **51432**

This item to be completed by the Division of Water Resources staff.

**PID 50614**

1. Name of Applicant: Rural Water District No. 4, Pottawatomie County  
Address: P.O. Box 58  
City: Belvue State: Kansas Zip Code: 66407-0058  
Phone: 785/456-7935 Email:

2. The source of water is: ☐ surface water in N/A (stream)  
☒ groundwater in Kansas River Drainage Basin (drainage basin)

3. The maximum annual quantity of water desired is 23,930,000 ☐ acre-feet ☒ gallons  
to be diverted at a maximum rate of 800 ☒ gpm ☐ c.f.s. ☐ natural flows ☐ natural evaporation  
*LIMITED TO 800 G.P.M. WHEN COMBINED WITH FILE NOS. 42,796 & 42,945.*  
☐ This project involves surface water storage and redirection. The maximum annual quantity of water desired to be  
rediverted is ☐ acre-feet ☐ gallons, at a rate of ☐ gpm ☐ c.f.s.

**Conversion Factors**

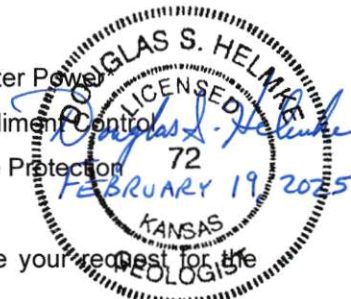
1 acre-foot (AF) = 325,851 gallons  
1 million gallons (mg) = 3.07 acre-feet (AF)  
1 cubic foot per second (c.f.s.) = 448.8 gallons per minute (gpm)

**IMPORTANT:** Once your application has been assigned a priority date and file number, the requested maximum rate of diversion and maximum requested annual quantity of water under that priority number can **NOT** be increased. Please be certain your requested maximum rate of diversion and maximum annual quantity of water are appropriate and reasonable for your proposed project.

4. The water is intended to be appropriated for the following use(s):

☐ Artificial Recharge\* ☐ Irrigation\* ☐ Recreational\*  
☐ Industrial\* ☒ Municipal\* ☐ Stockwatering\*  
☐ Domestic ☐ Dewatering ☐ Hydraulic Dredging  
☐ Thermal Exchange ☐ Contamination Remediation

☐ Water Power  
☐ Sediment Control  
☐ Fire Protection



**\*IMPORTANT:** You **must** submit a supplemental form providing information to substantiate your request for the quantity of water listed in Item No. 3 for the intended use(s) referenced above.

FOR OFFICE USE ONLY															
FO	1	GMD	-	DUA	-	Use	MUN	Source	GW	County	PT	By	KJN	Date	2/25/25
Code	Reg	Fee \$	200	TR #		Receipt Date	2-24-25	Check #	9125						

DWR 1-100 (Revised 02/28/2024)  
Please send a copy of all correspondence,  
including application acknowledgment letter, to:

DOUGLAS S. HELMKE, P.G.  
KANSAS RURAL WATER ASSN.  
6847 SE 29TH STREET  
TECUMSEH, KANSAS 66642-9571

2/27/2025  
LMoody

5. The location(s) of the proposed diversion work(s) (well, pumpsite, etc.) are described below. Note that for the application to be accepted, the point of diversion location(s) **must** be described to at least a 10-acre tract, unless you specifically request a 60-day period of time in which to locate the site within a specifically described, minimal legal quarter section of land. You can specify a nickname for the point of diversion via the A.K.A. line to help you identify it.

If the source of supply is groundwater, a separate application shall be filed for each proposed well or battery of wells, except that a single application may include up to four wells within a circle with a quarter (1/4) mile radius in the same local source of supply which do not exceed a maximum diversion rate of 20 gallons per minute per well.

A battery of wells is defined as two or more wells connected to a common pump by a manifold; or not more than four wells in the same local source of supply within a 300-foot radius circle which are being operated by pumps not to exceed a total maximum diversion rate of 800gpm and which supply water to a common distribution system.

- PDIV  
60798
- (A) One in the NC quarter of the NW quarter of the --- quarter of Section 29, more particularly described as being near a point 3,960 feet North and 4,080 feet West of the Southeast corner of said section, in Township 9 South, Range 11 ☒ E ☐ W, Pottawatomie County, KS. A.K.A: GEO CTR
- PDIV  
61630
- (B) One in the SE quarter of the NW quarter of the NW quarter of Section 29, more particularly described as being near a point 4,011 feet North and 4,122 feet West of the Southeast corner of said section, in Township 9 South, Range 11 ☒ E ☐ W, Pottawatomie County, KS. A.K.A: BATT 1 OF 2 WELLS  
WELL No. 2
- PDIV  
61631
- (C) One in the NE quarter of the SW quarter of the NW quarter of Section 29, more particularly described as being near a point 3,909 feet North and 4,037 feet West of the Southeast corner of said section, in Township 9 South, Range 11 ☒ E ☐ W, Pottawatomie County, KS. A.K.A: BATT 1 OF 2 WELLS  
WELL No. 1
- (D) One in the --- quarter of the --- quarter of the --- quarter of Section ---, more particularly described as being near a point --- feet North and --- feet West of the Southeast corner of said section, in Township --- South, Range --- ☐ E ☐ W, --- County, KS. A.K.A: ---
- (E) One in the --- quarter of the --- quarter of the --- quarter of Section ---, more particularly described as being near a point --- feet North and --- feet West of the Southeast corner of said section, in Township --- South, Range --- ☐ E ☐ W, --- County, KS. A.K.A: ---

6. The proposed project for diversion of water will consist of a battery of two (2) wells,  
(number of wells, pumps, dams, etc.)  
and was/will be completed on or by the following date: in 2001.  
(date each was or will be completed)

7. The first actual application of water for the proposed beneficial use was or is estimated to be January 1, 2026.  
(Date)

8. List any application, appropriation of water, water right, or vested right file number that covers the same point(s) of diversion or any of the same place of use described in this application. Also list any other recent modifications made to existing permits or water rights in conjunction with the filing of this application.

Place of Use and Point of Diversion:  
Water Right, File No. 42,796  
Appropriation of Water, File No. 42,945

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9. Will pesticide, fertilizer, or other foreign substance be injected into the water pumped from the diversion works?

☐ Yes ☒ No

If **yes**, a check valve shall be required. All chemigation safety requirements must be met including a chemigation permit and reporting requirements.

10. If you are planning to impound water, please contact DWR prior to submitting this application. Please attach a reservoir area capacity table and inform us of the total acres of surface drainage area above the reservoir.

Have you made an application for a permit for construction of this dam and reservoir with DWR? ☐ Yes ☒ No

If yes, write the Water Structures permit number here: NA

11. Furnish a detailed topographic or aerial map that depicts the following information:

The application **must** be supplemented by a topographic map, aerial photograph or a detailed plat showing the information described in A-D below.

- (A) The center of the section, the section lines or the section corners, and labels showing the appropriate section, township and range numbers, as well as a north arrow and scale,
- (B) The location of the proposed point(s) of diversion (wells, stream-bank installations, dams, or other diversion works) described in Item No. 5 of the application, showing the North-South distance and the East-West distance from a section line or southeast corner of section,
- (C) The location of the proposed place of use identified by crosshatching,
- (D) **For Groundwater Use**, the location of any existing water wells of any kind within ½ mile of the proposed well or wells and indicate for each well its type of use and the name and mailing address of the property owner or owners, (If there are no wells within ½ mile, please indicate that on the map.)

**For Surface Water Use**, the names and addresses of the landowner(s) ½ mile downstream and ½ mile upstream from your property lines, and

- (E) The locations of proposed or existing dams, dikes, reservoirs, canals, pipelines, power houses, and any other structures for the purpose of storing, conveying, or using water.

12. For groundwater use, furnish copies of the driller's logs for all test holes or completed wells. Please ensure that the driller's logs provide depth to the static water level. If driller's logs cannot be obtained for an existing well, provide the following information:

Well location as shown in Item No. 5	WELL No. 1 (A)	WELL No. 2 (B)	(C)	(D)	(E)
Date drilled	9/28/2000	10/04/2000			
Total depth of well	78'	80'			
Depth to static water level	24.3'	25.2'			

13. The owner(s) of the point of diversion, if other than the applicant is:

NA

(name, address, and phone)

NA

(name, address, and phone)

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14. The owner(s) of the property where the water is used, if other than the applicant, is:

NA

(name, address, and phone)

NA

(name, address, and phone)

15. The relationship of the applicant to the proposed place where the water will be used is that of:

☒ Owner    ☐ Agent    ☐ Tenant    ☐ Other: \_\_\_\_\_

16. A water use correspondent (WUC) must be designated. The WUC will be mailed the annual water use report, which must be filed with the Division by March 1 of each year. Failure to timely file an accurate water use report will subject the owner(s) to a civil fine of up to \$1,000 and potential suspension of the water appropriation or right. By signing this application, I verify that the owner(s) of the water right or permit have confirmed that the following person or agent should be designated as the WUC:


**Pottawatomie RWD 04 / PID 50614 (Same as Applicant)**

(name, address, and phone)

17. I understand that if this application is approved, there could be times, as determined by the Division of Water Resources, when I would not be allowed to divert water. This could affect the economics of my decision to appropriate water. Situations where this might occur may include times when minimum desirable streamflow (MDS) requirements are not met, when Assurance District or Water Marketing releases are made from storage in federal reservoirs, when a Water Reservation Right upstream of a federal reservoir is administered, or when water rights administration becomes necessary to prevent impairment.

I declare, under penalty of perjury, that I have legal access to or control of, the point(s) of diversion described in this application from the landowner or the landowner's authorized representative.

By signing below, I verify that the information set forth above is true to the best of my knowledge, I agree with all statements made above, and that this application is submitted in good faith.

  
(Applicant Signature)

2-20-2025  
(Date)

Keith Murphy  
(Applicant Name – please print)

, in behalf of Pottawatomie RWD 4

District Manager  
(Applicant Title, if applicable – please print)

Assisted by Douglas S. Helmke, P.G. Water Rights / Source Water Specialist Date: February 19, 2025  
(office/title)

## FEE SCHEDULE

Make checks payable to the Kansas Department of Agriculture.

1. The fee for an application for a permit to appropriate water for beneficial use, except for domestic, waterpower, dewatering, or sediment control use, shall be (see No. 2 below if requesting storage):

Million Gallons (mg)	Acre-Feet (AF)	Fee
≤ 32.585	≤ 100	\$200.00
32.586 - 104.272	100.1 – 320.0	\$300.00
> 104.272	> 320	\$300.00 plus \$20 for each additional 100AF (32.586mg) or any part thereof

2. The fee for an application in which **storage** of water is requested, except for domestic use, shall be:

Million Gallons (mg)	Acre-Feet (AF)	Fee
≤ 81.462	≤ 249.9	\$200.00
≥ 81.463	≥ 250	\$200.00 plus \$20 for each additional 100AF (32.586mg) or any part thereof

**Note:** If an application requests both direct use *and* storage, the fee charged shall be as determined under No. 1 or No. 2 above, whichever is greater, but not both fees.

3. The fee for an application for **waterpower** or **dewatering** use shall be \$100.00 plus \$200.00 for each 44,880 gallons per minute (100 c.f.s.), or part thereof, of the diversion rate requested.

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## IMPORTANT NOTICE

If this application is approved, the applicant shall notify the Chief Engineer when the diversion works (well, pump, reservoir, pit, etc.) has/have been completed via the *Notice of Completion of Diversion Works* form (DWR 1-203.11) and along with the statutorily required field inspection fee of:

- \$200.00 for sediment control use or groundwater pits for industrial use, or
- \$400.00 for all other uses made of water

Failure to complete the diversion works by the deadline specified in the *Approval of Application and Permit to Proceed* (or any subsequent extension of time of said deadline) and/or failure to submit the proper notice and field inspection fee will result in the dismissal of the appropriation and forfeiture of any priority associated with it.

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**For assistance with this application, please contact the Division of Water Resources (DWR).**

**Manhattan HQ**  
1320 Research Park Dr.  
Manhattan, KS 66502  
785-564-6638

**Topeka Field Office**  
1131 SW Winding Rd, Ste 400  
Topeka, KS 66615  
785-296-5733

**Stafford Field Office**  
300 S. Main St  
Stafford, KS 67578  
620-234-5311

**Stockton Field Office**  
820 S. Walnut  
Stockton, KS 67669  
785-425-6787

**Garden City Field Office**  
4532 W. Jones Ave, Ste B  
Garden City, KS 67846  
620-276-2901

## Helpful Sources of Information

DWR Water Appropriation Program  
DWR Water Appropriation Forms  
KGS Water Well Completion Records  
DWR Structures Program

<https://agriculture.ks.gov/divisions-programs/dwr/water-appropriation>  
<https://agriculture.ks.gov/divisions-programs/dwr/water-appropriation/water-appropriation-forms>  
<https://www.kgs.ku.edu/Magellan/WaterWell/index.html>  
<https://agriculture.ks.gov/divisions-programs/dwr/dam-safety/permit-requirements>

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Applicant's Name Pottawatomie RWD 4  
(Please Print)

## MUNICIPAL (PUBLIC WATER SUPPLY) APPLICATION SUPPLEMENTAL INFORMATION SHEET

Application File Number

(assigned by DWR)

*ALL QUANTITY VALUE ARE IN MILLION GALLONS PER YEAR (M.G.Y.)*

### SECTION 1: PRESENT WATER USE SUMMARY (IF NO PREVIOUS MUNICIPAL WATER USE HAS BEEN UTILIZED, PROCEED TO SECTION 3)

NOTE: WORKSHEET FOR WATER PUMPED, PURCHASED, AND SOLD BY YOUR WATER DISTRIBUTION SYSTEM.

Column 1	Column 2	Column 3	Column 4	Column 5	Column 6	Column 7
Raw Water Diverted Under Your Rights	Water Purchased From All Sources	Water Sold to Other Public Water Suppliers	Water Sold to Your Industrial, Stock, and Bulk Customers	Water Sold to Your Residential and Commercial Customers	Other Metered Water	Remaining Water Used (See Below Explanation)
103.243	---	26.404	4.300	41.101	17.500	13.938
TOTAL WATER = Columns 1 + 2		ACCOUNTED FOR WATER = Columns 3 + 4 + 5 + 6				UNACCOUNTED FOR WATER

UNACCOUNTED FOR WATER = TOTAL WATER - ACCOUNTED FOR WATER

Column 1: The amount of raw water diverted from all of your points of diversion.

Column 2: The amount of water purchased wholesale from all other public water supply systems or the Kansas Water Office.

Column 3: The amount of water sold wholesale to all other public water supply systems.

Column 4: The amount of water sold retail to all industrial, pasture, stockwater, feedlot, and bulk water service connections. Include the amount of water sold to all farmsteads using at least 200,000 gallons of water per year.

Column 5: The amount of water sold retail to your residential and commercial customers and to industries and farmsteads using less than 200,000 gallons of water per year.

Column 6: The amount of water used that is metered at individual service connections and supplied free, such as for public service, treatment processes, and connections receiving free water.

Column 7: The amount of remaining water used. The gallons reported in this column are found by adding the numbers in Columns 1 and 2 and subtracting the numbers in Columns 3, 4, 5, and 6.

### UNACCOUNTED FOR WATER

Use the following to calculate your distribution system's Unaccounted For Water:

Start with the amount in Column 1 and add the amount in Column 2, then subtract the amounts in Columns 3, 4, 5, and 6 leaving an amount of water representing your unaccounted for water to enter in Column 7.

Use the following to calculate the percent Unaccounted For Water versus the Total Water of your system:

Percent Unaccounted For Water =  $\frac{\text{Unaccounted For Water}}{\text{Total Water (Columns 1,2)}} \times 100$

If this number exceeds 20%, please explain the large amount of unaccounted for water and describe any steps being taken to reduce it.

### SECTION 2: PAST WATER USE

COMPLETE THE FOLLOWING TABLE FROM YOUR PAST WATER USE RECORDS.

	Column 1	Column 2	Column 3	Column 4	Column 5	Column 6	Column 7
	Raw Water Diverted Under Your Rights	Water Purchased From All Sources	Water Sold to Other Public Water Suppliers	Water Sold to Your Industrial, Stock, and Bulk Customers	Water Sold to Your Residential and Commercial Customers	Other Metered Water	Remaining Water Used (See Above Explanation)
20 years ago	98.854	---	27.435	4.600	25.695	35.799	5.345
15 years ago	87.011	---	23.844	2.826	27.189	22.863	10.289
10 years ago	90.731	---	28.500	4.063	33.183	18.147	6.838
5 years ago	93.316	---	26.130	3.047	31.502	18.157	14.480
TOTAL WATER = Columns 1 + 2			ACCOUNTED FOR WATER = Columns 3 + 4 + 5 + 6				UNACCOUNTED FOR WATER

P/U: 1649 10466 23465 36460 50009

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PLEASE COMPLETE THE FOLLOWING TABLE SHOWING YOUR FUTURE WATER REQUIREMENTS FOR THE NEXT 20 YEARS:

## SECTION 4: POPULATION AND SERVICE CONNECTIONS

**You may attach additional information you believe will assist in informing the Division of the need for your request.**



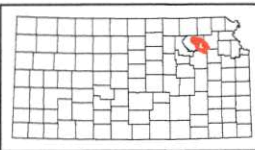
### Legend

- Interconnect
- Pump
- Storage Tank
- Surface Intake
- Treatment Facility
- Well

### Water Mains

- Less than 4 inch
- 4 to 6 inch
- greater than 6 inch
- Roads
- Streams
- PLSS
- County Boundary
- City Boundary
- Lakes

Locator Map: Study Area



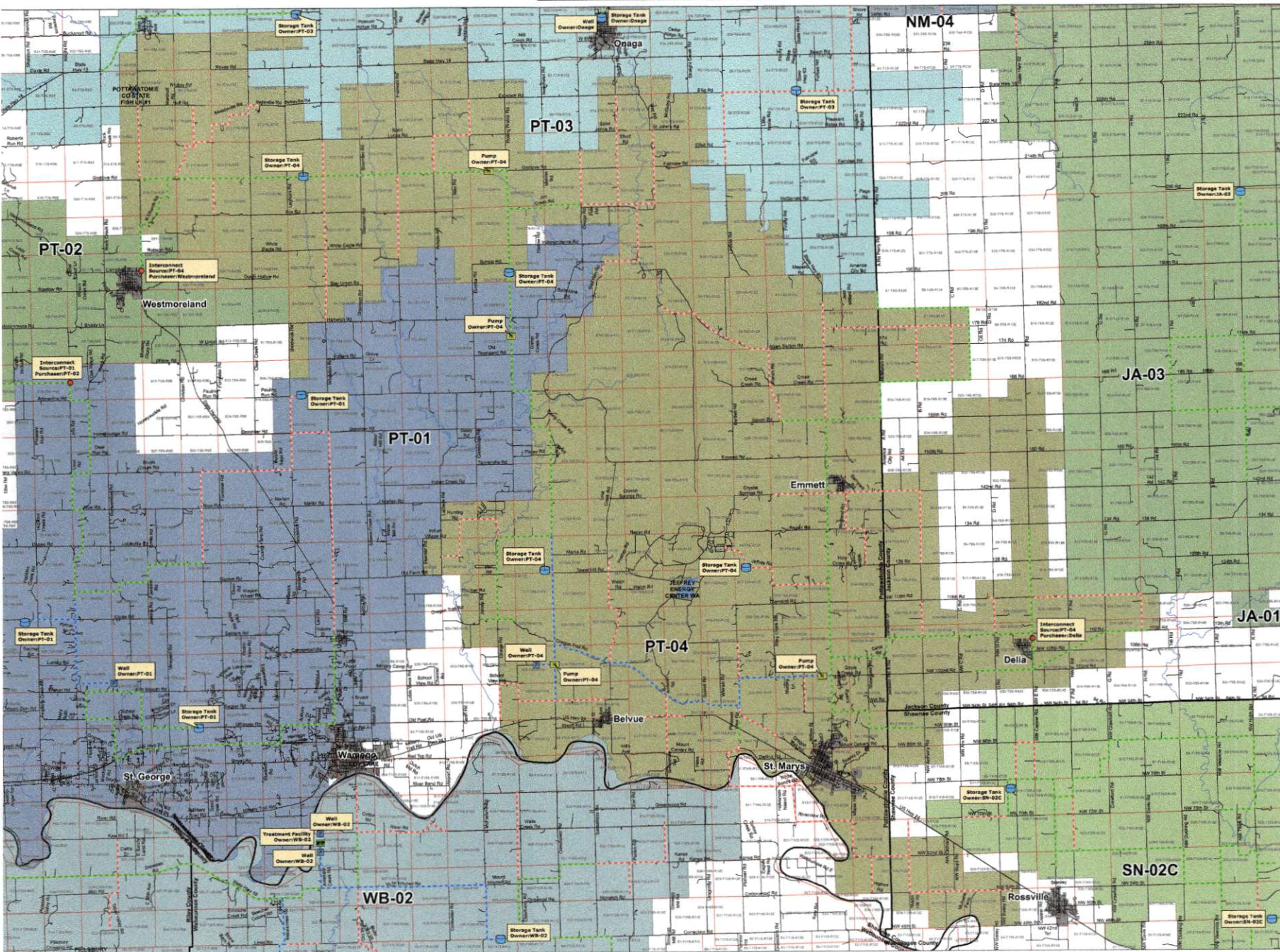
0 1 2 4 Miles

Produced by Kansas Rural Water Association  
with the cooperation of the Kansas Water Office  
and the Data Access and Support Center  
October 2015

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# Population Projection Worksheet

Pottawatomie RWD 4, City of Westmoreland, City of Belvue & City of Delia

File No. \_\_\_\_\_

	Year	Population
Past Beginning	2027	27260
Past Ending	2047	31553
Past Compound Growth Rate	0.73%	
	Year	Population
Current *	2025	2894
Projection for	2045	3350

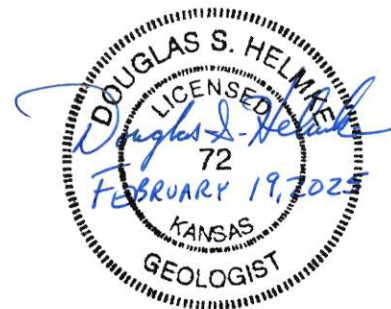
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The Kansas Water Appropriation Act sets forth that all requests (quantity and rate) to appropriate water for beneficial use must be reasonable. To project a municipality's population based on historic data, the above worksheet calculates the past compounded growth rate based on the past populations and the years in which those populations occurred.

\* For a 20-Year Projection, the population value used should be that for the end of the previous calendar year (ie., the beginning value of the first year of the period projected).



# Kansas Population Projections



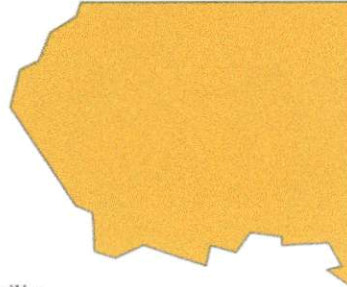
Note: Hispanic Ethnicity includes persons of all races and should not be added per-race or total population counts.

**Metro Area**  **State**  **Race/Ethnicity**

**Metro type**  **County**  **Age Group**

**Urban Type**  **Region**  **Sex**

% Diff. 2022 to 2072  
-50.0% 50.0%



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## Population & 5-Year Growth by Age Group - Relevant Counties

☒ Female ☐ Male

County	Age Group	2022	2027	2032	2037	2042	2047	2052	2057	2062	2067	2072
Total		26,273	27,260 3.8%	28,226 3.5%	29,249 3.6%	30,443 4.1%	31,553 3.6%	32,706 3.7%	33,625 2.8%	34,438 2.4%	35,171 2.1%	36,285 3.2%
Pottawatomie County	Total	26,273	27,260 3.8%	28,226 3.5%	29,249 3.6%	30,443 4.1%	31,553 3.6%	32,706 3.7%	33,625 2.8%	34,438 2.4%	35,171 2.1%	36,285 3.2%
	0 to 4	1,877	1,474 -21.4%	1,684 14.2%	2,042 21.3%	2,292 12.2%	2,297 0.2%	2,137 -7.0%	2,035 -4.8%	2,068 1.6%	2,256 9.1%	2,407 6.7%
	5 to 9	2,024	1,907 -5.8%	1,500 -21.3%	1,705 13.7%	2,063 21.0%	2,308 11.9%	2,312 0.2%	2,147 -7.1%	2,046 -4.7%	2,079 1.6%	2,267 9.0%
	10 to 14	2,288	2,056 -10.1%	1,935 -5.9%	1,523 -21.3%	1,728 13.4%	2,081 20.4%	2,325 11.7%	2,323 -0.1%	2,159 -7.1%	2,057 -4.7%	2,091 1.6%
	15 to 19	1,995	2,333 16.9%	2,074 -11.1%	1,953 -5.8%	1,543 -21.0%	1,768 14.5%	2,116 19.7%	2,338 10.5%	2,329 -0.4%	2,167 -6.9%	2,077 -4.2%
	20 to 24	1,456	2,109 44.8%	2,351 11.5%	2,039 -13.2%	1,944 -4.7%	1,524 -21.6%	1,807 18.6%	2,130 17.9%	2,330 9.4%	2,304 -1.1%	2,147 -6.8%
	25 to 29	1,447	1,804 24.7%	2,514 39.4%	2,750 9.4%	2,425 -11.8%	2,298 -5.2%	1,857 -19.2%	2,168 16.7%	2,518 16.2%	2,728 8.3%	2,693 -1.3%
	30 to 34	1,676	1,571 -6.3%	1,922 22.4%	2,623 36.5%	2,855 8.8%	2,523 -11.6%	2,401 -4.8%	1,955 -18.6%	2,273 16.3%	2,623 15.4%	2,833 8.0%
	35 to 39	1,806	1,688 -6.5%	1,580 -6.4%	1,927 22.0%	2,624 36.1%	2,843 8.4%	2,509 -11.8%	2,386 -4.9%	1,940 -18.7%	2,264 16.7%	2,611 15.3%
	40 to 44	1,854	1,812 -2.3%	1,690 -6.7%	1,579 -6.6%	1,927 22.1%	2,615 35.7%	2,824 8.0%	2,482 -12.1%	2,364 -4.8%	1,920 -18.8%	2,250 17.2%
	45 to 49	1,417	1,847 30.4%	1,795 -2.9%	1,671 -6.9%	1,561 -6.6%	1,909 22.2%	2,589 35.7%	2,782 7.4%	2,438 -12.4%	2,326 -4.6%	1,883 -19.0%
	50 to 54	1,343	1,400 4.2%	1,825 30.4%	1,758 -3.7%	1,636 -6.9%	1,527 -6.7%	1,876 22.9%	2,544 35.6%	2,718 6.8%	2,371 -12.8%	2,268 -4.3%
	55 to 59	1,432	1,300 -9.2%	1,361 4.7%	1,779 30.8%	1,695 -4.8%	1,575 -7.1%	1,470 -6.6%	1,820 23.8%	2,474 35.9%	2,620 5.9%	2,269 -13.4%
	60 to 64	1,566	1,353 -13.6%	1,232 -9.0%	1,298 5.4%	1,710 31.8%	1,598 -6.5%	1,486 -7.0%	1,385 -6.8%	1,741 25.7%	2,373 36.3%	2,480 4.5%
	65 to 69	1,380	1,458 5.6%	1,237 -15.2%	1,131 -8.5%	1,208 6.8%	1,610 33.3%	1,465 -9.0%	1,365 -6.8%	1,273 -6.8%	1,635 28.5%	2,236 36.8%
	70 to 74	1,072	1,252 16.8%	1,307 4.4%	1,077 -17.6%	1,000 -7.1%	1,086 8.6%	1,474 35.7%	1,281 -13.1%	1,207 -5.8%	1,123 -6.9%	1,495 33.1%
	75 to 79	699	932 33.3%	1,063 14.1%	1,092 2.7%	854 -21.8%	825 -3.4%	920 11.4%	1,281 39.3%	1,018 -20.6%	1,001 -1.7%	919 -8.2%
	80 to 84	457	549 20.1%	744 35.6%	809 8.7%	819 1.2%	574 -29.9%	630 9.7%	706 12.1%	1,033 46.3%	666 -35.6%	777 16.7%
	85 or Older	484	414 -14.5%	413 -0.2%	492 19.2%	559 13.6%	592 5.8%	508 -14.1%	495 -2.6%	510 2.8%	658 29.0%	582 -11.6%

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## Kansas Certified Population

Certified to the Secretary of State by Division of the Budget on July 1, 2024

	Pop. 2021 7/1/2022*	Pop. 2022 7/1/2023*	Pop. 2023 7/1/2024*	# Growth 2021-2022	# Growth 2022-2023	% Chg 2021-2022	% Chg 2022-2023
<b>Phillips County (cont'd)</b>							
Bow Creek township	26	26	26	--	--	--	--
Crystal township	44	44	43	--	(1)	--	(2.3)
Dayton township	40	40	40	--	--	--	--
Deer Creek township	62	62	62	--	--	--	--
Freedom township	74	73	74	(1)	1	(1.4)	1.4
Glenwood township	45	44	43	(1)	(1)	(2.2)	(2.3)
Granite township	22	22	22	--	--	--	--
Greenwood township	48	48	48	--	--	--	--
Bal. of Kirwin township	52	52	52	--	--	--	--
Bal. of Logan township	43	42	41	(1)	(1)	(2.3)	(2.4)
Bal. of Long Island township	81	81	81	--	--	--	--
Mound township	119	119	118	--	(1)	--	(0.8)
Phillipsburg township	236	233	220	(3)	(13)	(1.3)	(5.6)
Plainview township	28	28	28	--	--	--	--
Bal. of Plum township	112	112	111	--	(1)	--	(0.9)
Bal. of Prairie View township	66	68	65	2	(3)	3.0	(4.4)
Rushville township	20	21	20	1	(1)	5.0	(4.8)
Bal. of Solomon township	75	74	72	(1)	(2)	(1.3)	(2.7)
Sumner township	40	39	39	(1)	--	(2.5)	--
Towanda township	25	25	24	--	(1)	--	(4.0)
Valley township	25	24	24	(1)	--	(4.0)	--
Walnut township	19	21	19	2	(2)	10.5	(9.5)
<b>Pottawatomie County</b>							
Belvue city	25,790	26,273	26,382	483	109	1.9	0.4
Emmett city	190	197	204	7	7	3.7	3.6
Havensville city	170	170	170	--	--	--	--
Louisville city	125	127	126	2	(1)	1.6	(0.8)
Manhattan city (pt.)	136	143	146	7	3	5.1	2.1
Olsburg city	2	2	8	--	6	--	300.0
Onaga city	221	220	223	(1)	3	(0.5)	1.4
St. George city	671	678	675	7	(3)	1.0	(0.4)
St. Marys city (pt.)	1,085	1,114	1,122	29	8	2.7	0.7
Wamego city	2,749	2,761	2,748	12	(13)	0.4	(0.5)
Westmoreland city	4,858	4,879	4,844	21	(35)	0.4	(0.7)
Wheaton city	716	729	723	13	(6)	1.8	(0.8)
Bal. of Pottawatomie County	101	103	104	2	1	2.0	1.0
Bal. of Belvue township	14,766	15,150	15,289	384	139	2.6	0.9
Blue township	186	190	192	4	2	2.2	1.1
Bal. of Blue Valley township	5,075	5,198	5,242	123	44	2.4	0.8
Center township	184	189	190	5	1	2.7	0.5
Clear Creek township	117	121	119	4	(2)	3.4	(1.7)
Bal. of Emmett township	137	140	138	3	(2)	2.2	(1.4)
Bal. of Grant township	275	298	308	23	10	8.4	3.4
Green township	112	119	120	7	1	6.3	0.8
Lincoln township	208	210	213	2	3	1.0	1.4
Bal. of Lone Tree township	99	101	102	2	1	2.0	1.0
Bal. of Louisville township	125	126	127	1	1	0.8	0.8
Bal. of Mill Creek township	908	927	933	19	6	2.1	0.6
Bal. of Pottawatomie township	304	308	314	4	6	1.3	1.9
Bal. of Rock Creek township	458	463	470	5	7	1.1	1.5
St. Clere township	175	179	182	4	3	2.3	1.7
Bal. of St. George township	57	60	59	3	(1)	5.3	(1.7)
Bal. of St. Marys township	3,596	3,699	3,737	103	38	2.9	1.0
Shannon township	1,144	1,183	1,192	39	9	3.4	0.8
Sherman township	260	266	270	6	4	2.3	1.5
Spring Creek township	117	118	120	1	2	0.9	1.7
Union township	52	56	53	4	(3)	7.7	(5.4)
Vienna township	221	225	226	4	1	1.8	0.4
Bal. of Wamego township	90	92	92	2	--	2.2	--
	866	882	890	16	8	1.8	0.9

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KS Dept. of Agriculture

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<b>Harper County (cont'd)</b>							
Bal. of Township No. 4	142	143	148	1	5	0.7	3.5
Bal. of Township No. 5	368	371	379	3	8	0.8	2.2
Township No. 6	262	262	268	--	6	--	2.3
<b>Harvey County</b>	33,817	33,801	33,504	(16)	(297)	(0.0)	(0.9)
Burrton city	854	854	843	--	(11)	--	(1.3)
Halstead city	2,165	2,166	2,138	1	(28)	0.0	(1.3)
Hesston city	3,495	3,503	3,473	8	(30)	0.2	(0.9)
Newton city	18,433	18,392	18,251	(41)	(141)	(0.2)	(0.8)
North Newton city	1,829	1,804	1,787	(25)	(17)	(1.4)	(0.9)
Sedgwick city (pt.)	1,403	1,405	1,388	2	(17)	0.1	(1.2)
Walton city	217	218	218	1	--	0.5	--
Bal. of Harvey County	5,421	5,459	5,406	38	(53)	0.7	(1.0)
Alta township	229	226	227	(3)	1	(1.3)	0.4
Bal. of Burrton township	177	180	178	3	(2)	1.7	(1.1)
Darlington township	541	545	539	4	(6)	0.7	(1.1)
Bal. of Emma township	548	559	557	11	(2)	2.0	(0.4)
Garden township	291	292	290	1	(2)	0.3	(0.7)
Halstead township	412	418	411	6	(7)	1.5	(1.7)
Highland township	371	372	366	1	(6)	0.3	(1.6)
Lake township	158	160	158	2	(2)	1.3	(1.3)
Lakin township	362	364	359	2	(5)	0.6	(1.4)
Macon township	498	500	496	2	(4)	0.4	(0.8)
Bal. of Newton township	417	419	416	2	(3)	0.5	(0.7)
Pleasant township	435	439	435	4	(4)	0.9	(0.9)
Richland township	378	381	376	3	(5)	0.8	(1.3)
Bal. of Sedgwick township	346	345	342	(1)	(3)	(0.3)	(0.9)
Bal. of Walton township	258	259	256	1	(3)	0.4	(1.2)
<b>Haskell County</b>	3,668	3,576	3,630	(92)	54	(2.5)	1.5
Satanta city	1,045	1,040	1,055	(5)	15	(0.5)	1.4
Sublette city	1,376	1,333	1,352	(43)	19	(3.1)	1.4
Bal. of Haskell County	1,247	1,203	1,223	(44)	20	(3.5)	1.7
Bal. of Dudley township	317	301	307	(16)	6	(5.0)	2.0
Bal. of Haskell township	477	461	470	(16)	9	(3.4)	2.0
Lockport township	453	441	446	(12)	5	(2.6)	1.1
<b>Hodgeman County</b>	1,710	1,755	1,655	45	(100)	2.6	(5.7)
Hanston city	260	264	250	4	(14)	1.5	(5.3)
Jetmore city	759	784	740	25	(44)	3.3	(5.6)
Bal. of Hodgeman County	691	707	665	16	(42)	2.3	(5.9)
Benton township	28	28	26	--	(2)	--	(7.1)
Bal. of Center township	172	176	166	4	(10)	2.3	(5.7)
Hallet township	43	42	41	(1)	(1)	(2.3)	(2.4)
Bal. of Marena township	148	149	140	1	(9)	0.7	(6.0)
North Roscoe township	39	40	39	1	(1)	2.6	(2.5)
Sawlog township	65	66	63	1	(3)	1.5	(4.5)
South Roscoe township	43	45	42	2	(3)	4.7	(6.7)
Sterling township	112	115	107	3	(8)	2.7	(7.0)
Valley township	41	46	41	5	(5)	12.2	(10.9)
<b>Jackson County</b>	13,261	13,286	13,368	25	82	0.2	0.6
Circleville city	155	153	153	(2)	--	(1.3)	--
Delia city	149	151	152	2	1	1.3	0.7
Denison city	145	144	144	(1)	--	(0.7)	--
Holton city	3,329	3,373	3,382	44	9	1.3	0.3
Hoyt city	599	589	595	(10)	6	(1.7)	1.0
Mayetta city	356	354	355	(2)	1	(0.6)	0.3
Netawaka city	141	139	140	(2)	1	(1.4)	0.7
Soldier city	102	103	103	1	--	1.0	--
Whiting city	196	195	195	(1)	--	(0.5)	--
Bal. of Jackson County	8,089	8,085	8,149	(4)	64	(0.0)	0.8

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KS Dept. of Agriculture



## QuickFacts

## Pottawatomie County, Kansas

QuickFacts provides statistics for all states and counties. Also for cities and towns with a *population of 5,000 or more*.

Enter state, county, city, town, or zip code

-- Select a fact --



## Table

All Topics

Pottawatomie  
County, Kansas

Population estimates, July 1, 2023, (V2023)

26,382

## PEOPLE

## Population

Population estimates, July 1, 2024, (V2024)

NA

Population estimates, July 1, 2023, (V2023)

26,382

Population estimates base, April 1, 2020, (V2024)

NA

Population estimates base, April 1, 2020, (V2023)

25,343

Population, percent change - April 1, 2020 (estimates base) to July 1, 2024, (V2024)

NA

Population, percent change - April 1, 2020 (estimates base) to July 1, 2023, (V2023)

4.1%

Population, Census, April 1, 2020

25,348

Population, Census, April 1, 2010

21,604

## Age and Sex

Persons under 5 years, percent

7.2%

Persons under 18 years, percent

28.6%

Persons 65 years and over, percent

16.0%

Female persons, percent

49.6%

## Race and Hispanic Origin

White alone, percent

93.6%

Black alone, percent (a) (a)

1.6%

American Indian and Alaska Native alone, percent (a) (a)

1.0%

Asian alone, percent (a) (a)

0.9%

Native Hawaiian and Other Pacific Islander alone, percent (a) (a)

0.1%

Two or More Races, percent

2.8%

Hispanic or Latino, percent (b) (b)

6.3%

White alone, not Hispanic or Latino, percent

88.5%

## Population Characteristics

Veterans, 2019-2023

1,932

Foreign-born persons, percent, 2019-2023

2.1%

## Housing

Housing Units, July 1, 2023, (V2023)

10,400

Owner-occupied housing unit rate, 2019-2023

82.5%

Median value of owner-occupied housing units, 2019-2023

\$223,000

Median selected monthly owner costs - with a mortgage, 2019-2023

\$1,770

Median selected monthly owner costs -without a mortgage, 2019-2023

\$616

Median gross rent, 2019-2023

\$1,011

Building Permits, 2023

100

## Families &amp; Living Arrangements

Households, 2019-2023

9,084

Persons per household, 2019-2023

2.79

Living in the same house 1 year ago, percent of persons age 1 year+, 2019-2023

91.5%

Language other than English spoken at home, percent of persons age 5 years+, 2019-2023

3.2%

## Computer and Internet Use

Households with a computer, percent, 2019-2023

96.0%

Households with a broadband Internet subscription, percent, 2019-2023

91.1%

## Education

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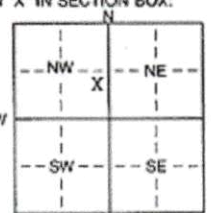
KS Dept. of Agriculture

KGS

Water Well  
Database  
Query

Scan of WWC5 Form

Hydrology

WATER WELL RECORD		Form WWC-5	KSA 82a-1212 ID No.		
1 LOCATION OF WATER WELL:		Fraction	Section Number		
County: <b>Pottawatomie</b>	<b>NE 1/4 SE 1/4 NW 1/4</b>	<b>29</b>	Township Number		
Distance and direction from nearest town or city street address of well if located within city?		<b>T 9 S</b>	Range Number		
		<b>R 11 E</b>	<b>EW</b>		
2 WATER WELL OWNER: <b>Pottawatomie Co. BND #4</b> Well #1					
RR#, St. Address, Box #: <b>24325 Oregon Trail Rd</b>		Board of Agriculture, Division of Water Resources			
City, State, ZIP Code: <b>St. Mary's, KS 66536</b>		Application Number:			
3 LOCATE WELL'S LOCATION WITH AN "X" IN SECTION BOX:		4 DEPTH OF COMPLETED WELL: <b>77'</b> ELEVATION:			
		Depth(s) Groundwater Encountered 1. .... ft. 2. .... ft. 3. .... ft.			
		WELL'S STATIC WATER LEVEL: <b>24.38</b> ft. below land surface measured on <b>09/28/00</b>			
		Pump test data: Well water was <b>35.38</b> ft. after <b>12</b> hours pumping <b>1000</b> gpm			
		Est. Yield <b>1000</b> gpm: Well water was <b>35.75</b> ft. after <b>24</b> hours pumping <b>1000</b> gpm			
		Bore Hole Diameter: <b>40</b> in. to .... ft. and .... in. to .... ft.			
		WELL WATER TO BE USED AS: <b>5</b> Public water supply <b>8</b> Air conditioning <b>11</b> Injection well			
		<b>1</b> Domestic <b>3</b> Feedlot <b>6</b> Oil field water supply <b>9</b> Dewatering <b>12</b> Other (Specify below)			
		<b>2</b> Irrigation <b>4</b> Industrial <b>7</b> Domestic (lawn & garden) <b>10</b> Monitoring well			
		Was a chemical/bacteriological sample submitted to Department? Yes. .... No. <b>X</b> ... If yes, mo/day/yr sample was submitted			
		Water Well Disinfected? Yes <b>X</b> No			
5 TYPE OF BLANK CASING USED:					
<b>1</b> Steel <b>3</b> RMP (SR)		<b>5</b> Wrought iron <b>8</b> Concrete tile			
<b>2</b> PVC <b>4</b> ABS		<b>6</b> Asbestos-Cement <b>9</b> Other (specify below)			
		<b>7</b> Fiberglass			
Blank casing diameter: <b>16"</b> in. to <b>0-53'</b> ft. Dia. .... in. to .... ft. Dia. .... in. to .... ft.		Casing joints: Glued. .... Clamped. ....			
Casing height above land surface: <b>3'</b> in. weight: <b>62.58</b> lbs./ft. Wall thickness or gauge No. <b>375</b>		Welded. <b>X</b>			
		Threaded. ....			
TYPE OF SCREEN OR PERFORATION MATERIAL:					
<b>1</b> Steel <b>3</b> Stainless steel <b>5</b> Fiberglass		<b>7</b> PVC <b>10</b> Asbestos-cement			
<b>2</b> Brass <b>4</b> Galvanized steel <b>6</b> Concrete tile		<b>8</b> RMP (SR) <b>11</b> Other (specify) ....			
		<b>12</b> None used (open hole)			
SCREEN OR PERFORATION OPENINGS ARE:					
<b>1</b> Continuous slot <b>.080</b> <b>3</b> Mill slot		<b>5</b> Gauzed wrapped <b>8</b> Saw cut <b>11</b> None (open hole)			
<b>2</b> Louvered shutter <b>4</b> Key punched		<b>6</b> Wire wrapped <b>9</b> Drilled holes			
		<b>7</b> Torch cut <b>10</b> Other (specify) .... ft.			
SCREEN-PERFORATED INTERVALS: From: <b>53</b> ft. to <b>77'</b> ft. From: .... ft. to .... ft.					
GRAVEL PACK INTERVALS: From: <b>40</b> ft. to <b>77'</b> ft. From: .... ft. to .... ft.					
6 GROUT MATERIAL: <b>1</b> Neat cement <b>2</b> Cement grout <b>3</b> Bentonite <b>4</b> Other: <b>Fill sand &amp; Bentonite</b>					
Grout intervals: From: <b>0</b> ft. to <b>14</b> ft. From: .... ft. to .... ft.					
What is the nearest source of possible contamination:					
<b>1</b> Septic tank <b>4</b> Lateral lines <b>7</b> Pit privy		<b>10</b> Livestock pens <b>14</b> Abandoned water well			
<b>2</b> Sewer lines <b>5</b> Cess pool <b>8</b> Sewage lagoon		<b>11</b> Fuel storage <b>15</b> Oil well/Gas well			
<b>3</b> Watertight sewer lines <b>6</b> Seepage pit <b>9</b> Feedyard		<b>12</b> Fertilizer storage <b>16</b> Other (specify below)			
		<b>13</b> Insecticide storage <b>open field</b>			
Direction from well?					
FROM TO LITHOLOGIC LOG		FROM TO PLUGGING INTERVALS			
<b>0</b>	<b>3</b>	<b>Topsoil</b>	<b>66</b>	<b>76</b>	<b>Gravel-med coarse, fine sand large pebbles</b>
<b>3</b>	<b>10</b>	<b>Clay-tan</b>			
<b>10</b>	<b>23</b>	<b>Clay-brown-grey</b>	<b>76</b>	<b>78</b>	<b>Big boulders-gravel med coarse-brown</b>
<b>23</b>	<b>27</b>	<b>Clay- fine sand-tan</b>			
<b>27</b>	<b>29</b>	<b>Clay-grey</b>			
<b>29</b>	<b>30</b>	<b>Clay-grey fine sand</b>			
<b>30</b>	<b>34</b>	<b>Fine sand brown -yellow</b>			
<b>34</b>	<b>37</b>	<b>Clay-grey med-coarse gravel</b>			
<b>37</b>	<b>38</b>	<b>Clay-grey</b>			
<b>38</b>	<b>40</b>	<b>Clay=tan fine sand</b>			
<b>40</b>	<b>41 1/2</b>	<b>Clay-grey pebbles</b>			
<b>41 1/2</b>	<b>46</b>	<b>Brown sand - gravel large pebbles</b>			
<b>46</b>	<b>50</b>	<b>Brown sand-gravel large pebbles grey tan clay strips</b>			
<b>50</b>	<b>66</b>	<b>Gravel-med coarse fine sand large pebbles</b>			
7 CONTRACTOR'S OR LANDOWNER'S CERTIFICATION: This water well was (1) constructed, (2) reconstructed, or (3) plugged under my jurisdiction and was completed on (mo/day/year) <b>9/28/00</b> and this record is true to the best of my knowledge and belief. Kansas Water Well Contractor's Licence No. <b>182</b> . This Water Well Record was completed on (mo/day/yr) <b>11-2-89</b> under the business name of <b>Strader Drilling Co., INC.</b> by (signature) <i>De A. Strader</i>					
INSTRUCTIONS: Use typewriter or ball point pen. PLEASE PRINT FULLY and PRINT clearly. Please fill in blanks, underline or circle the correct answers. Send top three copies to Kansas Department of Health and Environment, Bureau of Water, Topeka, Kansas 66620-0001. Telephone 785-296-5524. Send one to WATER WELL OWNER and retain one for your records. Fee of \$5.00 for each constructed well.					

Kansas Geological Survey

Comments to kgs-webadmin@ku.edu

URL=<http://www.kgs.ku.edu/Magellan/WaterWell/index.html>

Display Programs Updated January 2, 2025

Data added continuously.





WATER RESOURCES  
RECEIVED

FEB 24 2025

KS Dept. of Agriculture

P.O. Box 226 • Seneca, KS 66538 • 785/336-3760  
FAX 785/336-2751 • <http://www.krwa.net>

February 21, 2025

Earl Lewis, Jr., P.E., Chief Engineer  
Division of Water Resources, Kansas Department of Agriculture  
1320 Research Park Drive  
Manhattan, Kansas 66502-5000

RE: Water Right Application

Dear Mr. Lewis:

Enclosed is a nearly complete Application for Permit to Appropriate Water for Beneficial Use. This application requests a very modest increase in the amount of water to be authorized for municipal use by Rural Water District No. 4, Pottawatomie County.

This letter is included with the application to justify the total quantity requested. To determine the quantity of water needed in 2045, data from Wichita State University's Center for Economic Development and Business Research (CEDBR) was used to determine the projected compound growth rate for Pottawatomie County. The CEDBR projected growth of Pottawatomie County, from 27,260 to 31,553 persons in 2027 to 2047, is equal to a compound growth rate of 0.73%. Using that value, with a total population served by the District and through the cities of Belvue, Delia and Westmoreland of 2,894 today, the population to be served by the District is calculated to be 3,350 persons in 2045. A consumption value of 120 gallons per person per day equals and annual demand of 146.730 million gallons per year (m.g.y.) for 3,350 persons.

Rural Water District No. 4, Pottawatomie County has been hearing that the Pottawatomie County Zoning Department has been receiving inquiries about the platting of a number of subdivisions in their service area. While nothing has been approved at the present time, most of the projected growth needs to be serviced by a public water supply system. Please make a determination on this application as soon as possible.

If your staff have any questions, I can be reached by telephone at 785/640-4701, by e-mail at [dhelmke@krwa.net](mailto:dhelmke@krwa.net) or by writing to 6847 SE 29th Street, Tecumseh, Kansas 66542-9571.

Sincerely,

Douglas S. Helmke, P.G.  
Water Rights / Source Water Specialist  
Kansas Rural Water Association

DSH  
Enclosure

1320 Research Park Drive  
Manhattan, KS 66502  
785-564-6700  
www. agriculture.ks.gov



900 SW Jackson, Room 456  
Topeka, KS 66612  
785-296-3556

Mike Beam, Secretary

Laura Kelly, Governor

March 7, 2025

RURAL WATER DISTRICT NO. 4 POTTAWATOMIE COUNTY  
PO BOX 58  
BELVUE KS 66407-0058

RE: Application, File No(s). **51432**

Dear Sir or Madam:

The Division of Water Resources (Division) has received your application(s) for a permit to appropriate water for beneficial use. Your application(s) has been assigned the file number(s) referenced above. Please be aware that the Division may have a large number of pending applications on hand at times and makes every attempt to process them in the order in which they are received. You will be contacted if additional information is required.

Please note, this letter only acknowledges receipt of your application(s) and does not guarantee approval. In accordance with the provisions of the Kansas Water Appropriation Act, the use of water as proposed prior to approval of the application(s) is unlawful.

Additional information about the process may be found on our website at [agriculture.ks.gov/divisions-programs/dwr](http://agriculture.ks.gov/divisions-programs/dwr). If you have any other questions, please contact our office at 785-564-6640 or your local Topeka Field Office at 785-296-5733. If you call, please reference the file number so we can help you more efficiently.

Sincerely,

Kris Neuhauser  
New Applications Lead  
Water Appropriation Program