

Groundwater Use in Kansas

Overview¹

Total

Groundwater (mgd — fresh, not saline)..... 2,840
Percentage of total freshwater* supply for state..... 70.8%

Public Supply

Groundwater (mgd) 137
Percentage of total groundwater..... 4.82%
Percentage of total public supply 39.0%

Individual Household

Groundwater (mgd) 17.7
Percentage of total groundwater..... 0.62%
Percentage of total individual household supply 100%

Irrigation

Groundwater (mgd) 2,560
Percentage of total groundwater..... 90.1%
Percentage of total irrigation..... 95.5%

Livestock/Aquaculture

Groundwater (mgd) 86.7
Percentage of total groundwater..... 3.05%
Percentage of total livestock/aquaculture..... 83.20%

Industrial, Self-Supplied

Groundwater (mgd) 30.5
Percentage of total groundwater..... 1.07%
Percentage of total industrial, self-supplied 80.1%

Mining

Groundwater (mgd) 5.44
Percentage of total groundwater..... 0.19%
Percentage of total mining..... 90.8%

Thermoelectric

Groundwater (mgd) 7.81
Percentage of total groundwater..... 0.28%
Percentage of total thermoelectric..... 0.96%

(mgd = million gallons per day)

*All totals and ratios are measures of freshwater only.

Groundwater's Role in Kansas's Economic Vitality

- Approximately 94,400 known residential wells statewide.²
- 512 community water systems use groundwater for 724,000 people³
- 39 non-community, non-transient water systems use groundwater for 20,100 people⁴
- 72 non-community, transient water systems use groundwater for 3,600 people⁵
- 23,100 irrigation wells used serving 4,750 farms and 2,810,000 acres⁶

¹ US Geological Survey, Estimated use of water in the United States in 2015, published 2018.

² Kansas Geological Survey Water Well Completion Records Database

³ US EPA Federal Safe Drinking Water Information System Data for 2019.

⁴ *Ibid.*

⁵ *Ibid.*

⁶ Census of Agriculture 2013 Farm and Ranch Irrigation Survey.



Address 601 Dempsey Road, Westerville, Ohio 43081-8978 U.S.A.
Phone 800 551.7379 • 614 898.7791 **Fax** 614 898.7786
Email ngwa@ngwa.org **Websites** NGWA.org and WellOwner.org

Kansas's Groundwater Industry Employment

Men and women working to provide and protect Kansas's groundwater resources for the benefit of people, business, and our environment.

Kansas's Contracting Employment

Drill and service water wells, install and service pumps, install and service point of use water treatment devices. This portion of the industry is characterized by small firms, many of which are multi-generation family-owned and operated.⁷

- 62 firms employ an estimated 447 people
- Annual estimated sales of \$151.6 million

Kansas's Scientists and Engineers Employment

Geologists, hydrogeologists, engineers, geochemists, geophysicists, microbiologists, regulators.

Environmental Consulting⁸

NAICS 54162: Establishments primarily engaged in providing advice and assistance on environmental issues, such as the control of environmental contamination from pollutants, toxic substances, and hazardous materials.

- 211 firms employ an estimated 723 people
- Annual estimated sales of \$133.2 million

Remediation⁹

NAICS 56291: Establishments include those engaged in remediation and cleanup of contaminated buildings, mine sites, soil, or groundwater.

- 57 firms employ an estimated 450 people
- Annual estimated sales of \$107.7 million

Public Service and Universities, Colleges, and Research Centers

- Many more dedicated individuals



⁷ InfoUSA, SIC 1781, June 2019.

⁸ Barnes Reports: Environmental Consulting Services Industry (NAICS 54162); C. Barnes & Co., 2019.

⁹ Barnes Reports: Remediation Services Industry (NAICS 56291); C. Barnes & Co., 2019.