

Groundwater Use in New York

Total

Groundwater (mgd — fresh, not saline).....	704
Percentage of total freshwater* supply for state.....	12.3%

Public Supply

Groundwater (mgd)	457
Percentage of total groundwater.....	64.9%
Percentage of total public supply	20.2%

Individual Household

Groundwater (mgd)	152
Percentage of total groundwater.....	21.6%
Percentage of total individual household supply	100%

Irrigation

Groundwater (mgd)	30.2
Percentage of total groundwater.....	4.29%
Percentage of total irrigation.....	42.9%

Livestock/Aquaculture

Groundwater (mgd)	18
Percentage of total groundwater.....	2.55%
Percentage of total livestock/aquaculture.....	28.6%

Industrial, Self-Supplied

Groundwater (mgd)	35.9
Percentage of total groundwater.....	5.10%
Percentage of total industrial, self-supplied	10.2%

Mining

Groundwater (mgd)	8.34
Percentage of total groundwater.....	1.18%
Percentage of total mining	11.5%

Thermoelectric

Groundwater (mgd)	2.39
Percentage of total groundwater.....	0.34%
Percentage of total thermoelectric.....	0.09%

(mgd = million gallons per day)

Groundwater's Role in New York's Economic Vitality

- Few states can accurately or confidently determine how many residential wells are in place. For each region, the American Housing Survey by the U.S. Census provides regional data. The Northeast region includes the states of Maine, Vermont, New Hampshire, Massachusetts, Connecticut, Rhode Island, New York, New Jersey, and Pennsylvania. The last American Housing Survey indicates this region had 3,210,000¹ households served by residential wells, with an average of 2.64² persons per household. The U.S. Census stopped asking citizens their source of water supply following the 1990 Census. The USGS estimates the population of self-supplied water supply users in New York to be 2,050,000³.
- 1,630 community water systems use groundwater for 3,970,000 people⁴.
- 666 non-community, non-transient water systems use groundwater for 260,000 people⁴.
- 5,310 non-community, transient water systems use groundwater for 731,000 people⁴.
- 1,610 irrigation wells are in use serving 1,090 farms and 25,400 acres⁵.

¹ U.S. Census Bureau 2013 American Housing Survey.

² U.S. Census Bureau 2013 American Community Survey.

³ U.S. Geological Survey, November 2014 report on 2010 water use.

⁴ U.S. EPA Federal Safe Drinking Water Information System Data for 2014.

⁵ Census of Agriculture 2013 Farm and Ranch Irrigation Survey.

* All totals and ratios are measures of freshwater only.

New York's Groundwater Industry Employment

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

New York'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.

- 196 firms employ an estimated 1,270 people⁶
- Annual estimated sales of \$395 million⁶

New York's Scientists and Engineers Employment

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

Environmental Consulting⁷

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.

- 1,430 firms employ an estimated 5,180 people
- Annual estimated sales of \$825 million

Remediation⁸

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

- 479 firms employ an estimated 7,240 people
- Annual estimated sales of \$1,320 million

Public Service and Universities, Colleges, and Research Centers

- Many more dedicated individuals



⁶ InfoUSA, SIC 1781, March 2015.

⁷ Barnes Reports: Environmental Consulting Services Industry (NAICS 54162); C. Barnes & Co., 2015.

⁸ Barnes Reports: Remediation Services Industry (NAICS 56291); C. Barnes & Co., 2015.