



Fauquier County and the Towns of Remington and The Plains, and Warrenton

Water Source Overview

Major water sources include groundwater wells and the Warrenton and Airlie Reservoirs.

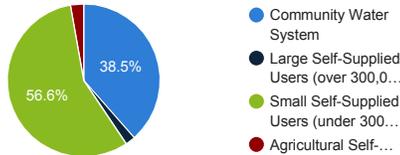
***Table 1:** Reported (2010) and projected (2040) water use by system type for Fauquier County in MGD

Type	Reported Use 2010 MGD	Projected Use 2040 MGD
Community Water System	2.872	5.571
Large Self-Supplied Users (over 300,000 gal/month)	0.158	0.158
Small Self-Supplied Users (under 300,000 gal/month)	4.222	6.110
Agricultural Self-Supplied Users	0.209	0.209

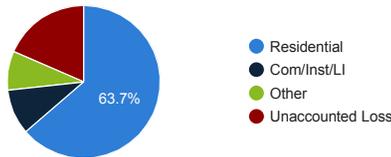
Water Use by System Type

Approximately 40,229 people use private groundwater wells for residential water supply. All tables and graphs represent reported water use including Sales to other localities, if applicable.

***Figure 1:** Percentage of reported water use by system type in 2010 (No use data shown on graph if less than .01 MGD: Refer to Table 1)



***Figure 2:** Disaggregated water use percentages for Community Water Systems in 2010 (No graph shown if no disaggregated use data reported)



***Table 2:** Reported (2010) and projected (2040) groundwater and surface water use for Fauquier County in MGD

Reported 2010 Groundwater Use (MGD)	Reported 2010 Surface Water Use (MGD)	Projected 2040 Groundwater Use (MGD)	Projected 2040 Surface Water Use (MGD)
6.16	1.31	10.06	1.99

***Figure 3:** Fauquier County highlighted in the Commonwealth of Virginia



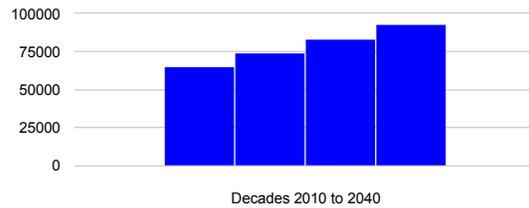
Projected Water Demand

Population and demand are projected to increase through the planning period. Existing water sources are expected to meet projected demands.

***Table 3:** Fauquier County population projections by decade from 2010 to 2040 (data gathered from VEC projections - 05/20/13)

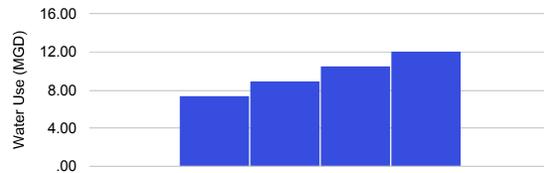
2010	2020	2030	2040	% Change (2010-2040)
65,203	74,118	83,312	93,028	43.1%

***Figure 4:** Fauquier County population projections by decade for 2010, 2020, 2030 & 2040



***Table 4 & Figure 5:** Fauquier County water demand trends by decade for 2010, 2020, 2030 & 2040 in MGD

Reported Use 2010 MGD	Projected Use 2020 MGD	Projected Use 2030 MGD	Projected Use 2040 MGD	Percent Change (2010-2040)
7.46	8.99	10.52	12.05	61.5%



Drought Management Practices

Fauquier County Water and Sanitation Authority (FCWSA) adopted a Water Preservation Program for the implementation and enforcement of the regional Drought Response and Contingency Plan. The Town of Remington and areas not served by the FCWSA are working towards the adoption of drought enforcement measures to be submitted by the five-year water supply plan update. The Town of Warrenton adopted an ordinance for the implementation and enforcement of the Town's Drought Response and Contingency Plan. (Fauquier County and Town WSP; Town of Warrenton WSP)