



Greenville County and the Town of Jarratt

Water Source Overview

Major water sources are the Nottoway River, Fontaine Creek, groundwater wells, and purchased water.

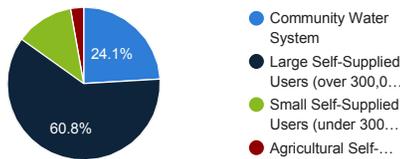
***Table 1:** Reported (2010) and projected (2040) water use by system type for Greenville County in MGD

Type	Reported Use 2010 MGD	Projected Use 2040 MGD
Community Water System	1.080	1.133
Large Self-Supplied Users (over 300,000 gal/month)	2.729	2.729
Small Self-Supplied Users (under 300,000 gal/month)	0.555	0.716
Agricultural Self-Supplied Users	0.125	0.125

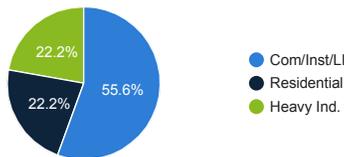
Water Use by System Type

Approximately 1,306 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 Greenville 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)
0.59	3.90	0.78	3.92

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



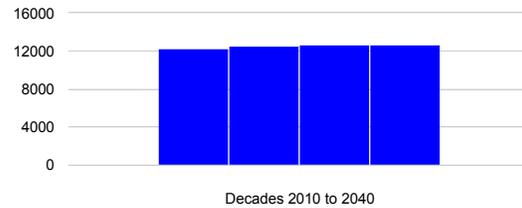
Projected Water Demand

Population and demand are projected to increase slightly through the planning period. To address concerns over the reliability of their source water (purchased water from Georgia Pacific), Greenville County Water and Sewer Authority submitted a VWP permit to improve their existing system through installation of a new raw water intake on the Nottoway River and construction of a pumped storage reservoir (JPA No. 13-0957).

***Table 3:** Greenville County population projections by decade from 2010 to 2040 (data gathered from VEC projections - 05/2013)

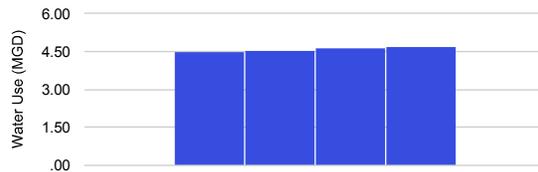
2010	2020	2030	2040	% Change (2010-2040)
12,243	12,473	12,589	12,672	0.0%

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



***Table 4 & Figure 5:** Greenville 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)
4.49	4.56	4.63	4.70	4.8%



Drought Management Practices

The County and Town each adopted ordinances to implement and enforce the Drought Response and Contingency Plan. (Greenville-Sussex-Emporia Regional WSP)