



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



Pittsylvania County and the Towns of Chatham, Gretna and Hurt

Water Source Overview

Major sources include groundwater wells, Cherrystone Creek, purchased water, and the Georges Creek Reservoir.

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

Type	Reported Use 2010 MGD	Projected Use 2040 MGD
Community Water System	1.417	1.506
Large Self-Supplied Users (over 300,000 gal/month)	0.079	0.112
Small Self-Supplied Users (under 300,000 gal/month)	3.096	5.087
Agricultural Self-Supplied Users	8.488	8.488

Projected Water Demand

Demand is projected to increase through the planning period. Existing water sources are expected to meet the projected demands of the County and Towns through the planning period with the exception of the Town of Gretna. The Town of Gretna's demands may exceed the Georges Creek Reservoir safe yield by 2020. The Town will likely pursue a new raw water intake on Whitethorn Creek and a pipeline to Georges Creek Reservoir.

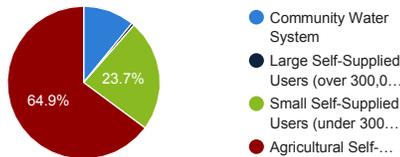
***Table 3:** Pittsylvania County population projections by decade from 2010 to 2040 (data gathered from VEC projections - 05/2013)

2010	2020	2030	2040	% Change (2010-2040)
63,506	63,751	63,720	63,648	0.0%

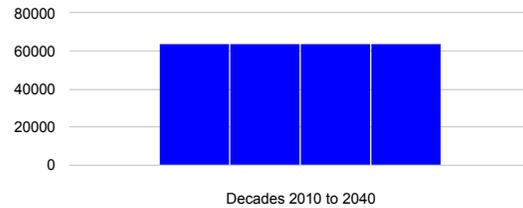
Water Use by System Type

Approximately 16,136 people use private groundwater wells for residential water supply. All tables and graphs represent reported water use including Sales to other localities, if applicable.

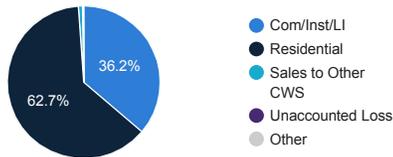
***Figure 1:** Percentage of reported water use by system type in 2010 (No use data shown on graph if less than .01 MGD: Refer to Table 1)



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

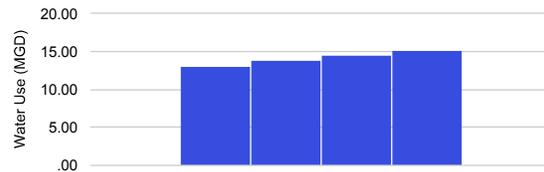


***Figure 2:** Disaggregated water use percentages for Community Water Systems in 2010 (No graph shown if no disaggregated use data reported)



***Table 4 & Figure 5:** Pittsylvania 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)
13.08	13.78	14.49	15.19	16.2%



***Table 2:** Reported (2010) and projected (2040) groundwater and surface water use for Pittsylvania 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)
7.48	5.59	9.51	5.68

Drought Management Practices

The County and Towns adopted ordinances for the implementation and enforcement of the Drought Response and Contingency Plan. (West Piedmont PDC Regional WSP)