



Goochland County

Water Source Overview

Major water sources are Little Tuckahoe Creek, groundwater wells, and purchased water.

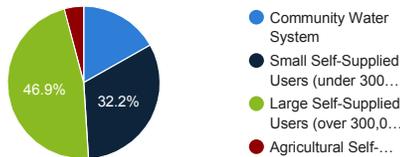
***Table 1:** Reported (2010) and projected (2040) water use by system type for Goochland County in MGD

Type	Reported Use 2010 MGD	Projected Use 2040 MGD
Community Water System	0.893	3.263
Small Self-Supplied Users (under 300,000 gal/month)	1.708	1.720
Large Self-Supplied Users (over 300,000 gal/month)	2.490	2.490
Agricultural Self-Supplied Users	0.219	0.219

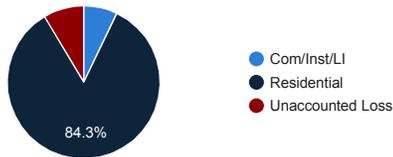
Water Use by System Type

Approximately 16,842 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 Goochland 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)
2.28	3.03	3.14	4.55

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



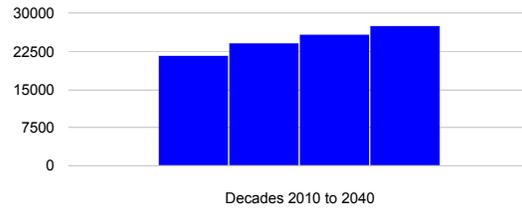
Projected Water Demand

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

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

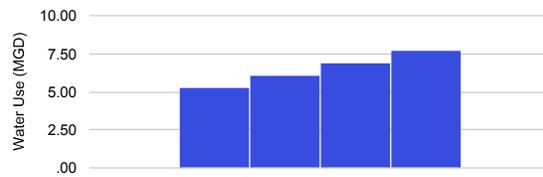
2010	2020	2030	2040	% Change (2010-2040)
21,717	24,088	25,886	27,505	28.6%

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



***Table 4 & Figure 5:** Goochland 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)
5.31	6.10	6.90	7.69	44.9%



Drought Management Practices

Goochland County receives a majority of its water from Henrico County and has adopted a Water Shortage Ordinance giving the County Administrator the authority to declare a drought emergency and limit the use of water in all areas supplied by Goochland County, as well as referencing the Henrico County authority for those areas of Goochland County that receive water from Henrico County. (Henrico-Goochland-Powhatan-Cumberland Counties Regional WSP)