



Henrico County

Water Source Overview

Major water sources include the James River and purchased water.

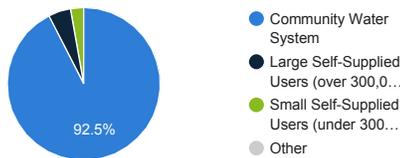
***Table 1:** Reported (2010) and projected (2040) water use by system type for Henrico County in MGD

Type	Reported Use 2010 MGD	Projected Use 2040 MGD
Community Water System	42.900	64.165
Large Self-Supplied Users (over 300,000 gal/month)	2.187	2.187
Small Self-Supplied Users (under 300,000 gal/month)	1.287	1.284
Agricultural Self-Supplied Users	0.012	0.012

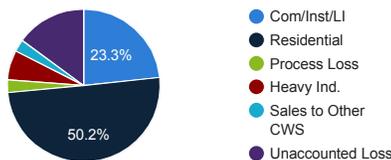
Water Use by System Type

Approximately 16,023 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 Henrico 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)
7.12	39.26	9.50	58.15

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



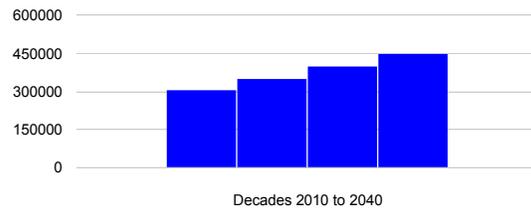
Projected Water Demand

Population and demand are projected to increase through the planning period of 2040. Cobbs Creek Reservoir is being developed to meet increased demands.

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

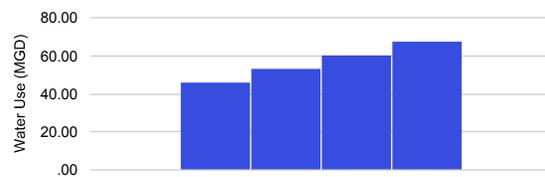
2010	2020	2030	2040	% Change (2010-2040)
306,935	352,577	400,396	450,630	47.1%

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



***Table 4 & Figure 5:** Henrico 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)
46.39	53.47	60.56	67.65	45.8%



Drought Management Practices

The County adopted an ordinance to implement and enforce the Drought Response and Contingency Plan. (Henrico-Goochland-Powhatan-Cumberland Counties Regional WSP)