



Prince William County and the Towns of Dumfries, Haymarket, Occoquan, and Quantico

Water Source Overview

Major water sources include purchased water, groundwater wells, and the Breckenridge-Lunga Reservoir.

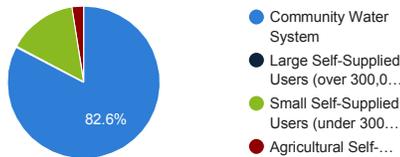
***Table 1:** Reported (2010) and projected (2040) water use by system type for Prince William County in MGD

Type	Reported Use 2010 MGD	Projected Use 2040 MGD
Community Water System	34.833	52.848
Large Self-Supplied Users (over 300,000 gal/month)	0.075	0.114
Small Self-Supplied Users (under 300,000 gal/month)	6.192	6.236
Agricultural Self-Supplied Users	1.052	1.052

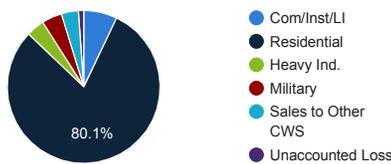
Water Use by System Type

Approximately 81,530 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 Prince William 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)
6.87	35.28	7.00	53.25

***Figure 3:** Prince William County highlighted in the Commonwealth of Virginia



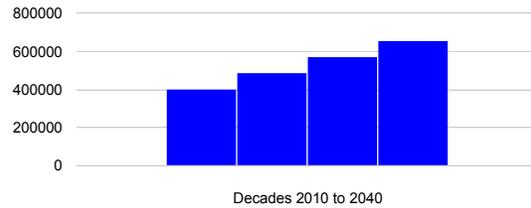
Projected Water Demand

Population and demand are projected to increase through 2040. Existing water sources are expected to meet projected demands.

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

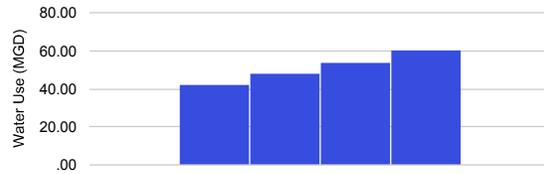
2010	2020	2030	2040	% Change (2010-2040)
402,002	487,768	573,535	659,301	63.9%

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



***Table 4 & Figure 5:** Prince William 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)
42.15	48.18	54.22	60.25	42.9%



Drought Management Practices

The County and Towns, with exception of Quantico, adopted ordinances for the implementation and enforcement of the Drought Response and Contingency Plan. The Town of Quantico follows the water emergency procedures of the Quantico Marine Base. (Northern Virginia Regional WSP)