



Highland County and the Town of Monterey

Water Source Overview

Major water sources include groundwater wells and springs.

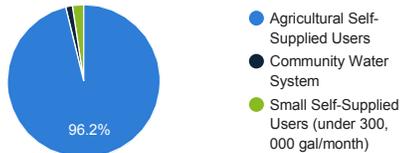
***Table 1:** Reported (2010) and projected (2040) water use by system type for Highland County in MGD

Type	Reported Use 2010 MGD	Projected Use 2040 MGD
Agricultural Self-Supplied Users	5.780	5.780
Community Water System	0.085	0.085
Small Self-Supplied Users (under 300,000 gal/month)	0.143	0.143

Water Use by System Type

Approximately 1,911 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 Highland 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)
0.22	5.79	0.22	5.79

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



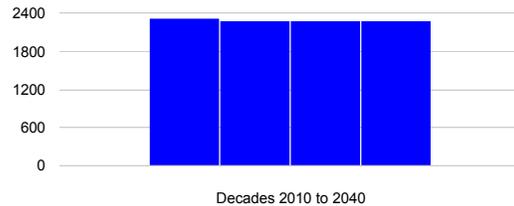
Projected Water Demand

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

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

2010	2020	2030	2040	% Change (2010-2040)
2,321	2,282	2,281	2,288	0.0%

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



***Table 4 & Figure 5:** Highland 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)
6.01	6.01	6.01	6.01	-0.0%



Drought Management Practices

The County and town each adopted ordinances for the implementation and enforcement of the Drought Response and Contingency Plan. (Upper James River Basin WSP)