



City of Buena Vista

Water Source Overview

Major sources include groundwater wells, the Maury River, and springs.

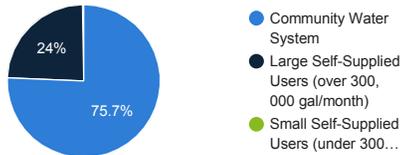
***Table 1:** Reported (2010) and projected (2040) water use by system type for Buena Vista in MGD

Type	Reported Use 2010 MGD	Projected Use 2040 MGD
Community Water System	1.030	1.030
Large Self-Supplied Users (over 300,000 gal/month)	0.327	0.327
Small Self-Supplied Users (under 300,000 gal/month)	0.004	0.004

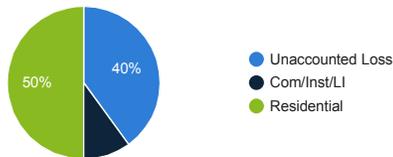
Water Use by System Type

Approximately 36 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 Buena Vista in MGD

Reported 2010 Groundwater Use (MGD)	Reported 2010 Surface Water Use (MGD)	Projected 2040 Groundwater Use (MGD)	Projected 2040 Surface Water Use (MGD)
1.10	0.26	1.10	0.26

***Figure 3:** Buena Vista highlighted in the Commonwealth of Virginia



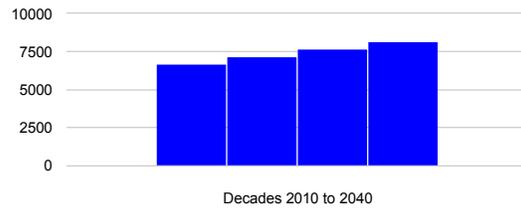
Projected Water Demand

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

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

2010	2020	2030	2040	% Change (2010-2040)
6,650	7,149	7,655	8,128	33.3%

***Figure 4:** Buena Vista population projections by decade for 2010, 2020, 2030 & 2040



***Table 4 & Figure 5:** Buena Vista 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)
1.36	1.36	1.36	1.36	0.0%



Drought Management Practices

The City adopted an ordinance for implementation and enforcement of the Drought Response and Contingency Plan. [Upper James River Basin Regional WSP]