



City of Staunton

Water Source Overview

Major sources of water include Elkhorn Lake, Gardner Spring, and the Middle River.

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

Type	Reported Use 2010 MGD	Projected Use 2040 MGD
Large Self-Supplied Users (over 300,000 gal/month)	0.036	0.036
Community Water System	3.910	4.726

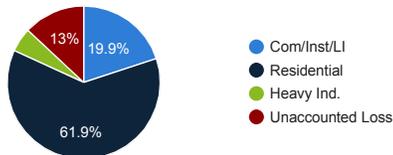
Water Use by System Type

There are no reported users of 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 Staunton in MGD

Reported 2010 Groundwater Use (MGD)	Reported 2010 Surface Water Use (MGD)	Projected 2040 Groundwater Use (MGD)	Projected 2040 Surface Water Use (MGD)
0.00	3.95	0.00	4.76

***Figure 3:** Staunton highlighted in the Commonwealth of Virginia



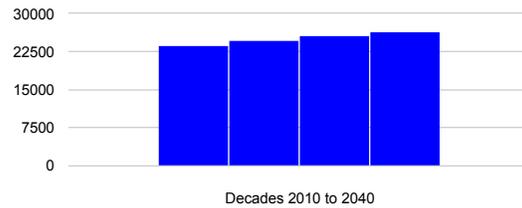
Projected Water Demand

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

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

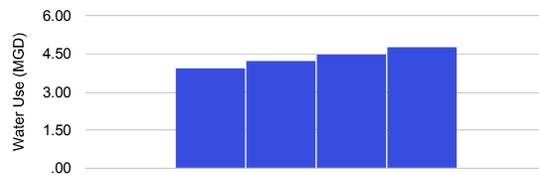
2010	2020	2030	2040	% Change (2010-2040)
23,746	24,605	25,574	26,440	13.0%

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



***Table 4 & Figure 5:** Staunton 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)
3.95	4.22	4.49	4.76	20.7%



Drought Management Practices

The City adopted an ordinance for the implementation and enforcement of the Drought Response and Contingency Plan. (Upper Shenandoah River Basin WSP)