



City of Harrisonburg

**Water Source Overview**

Major water sources include Dry River and North River.

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

Type	Reported Use 2010 MGD	Projected Use 2040 MGD
Community Water System	6.479	10.773

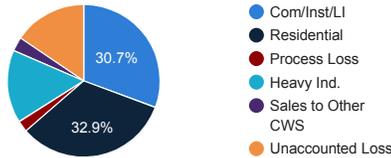
**Water Use by System Type**

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 Harrisonburg 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	6.48	0.00	10.77

**\*Figure 3:** Harrisonburg highlighted in the Commonwealth of Virginia



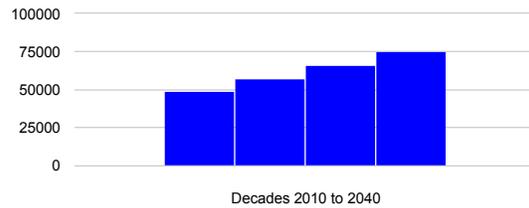
**Projected Water Demand**

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

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

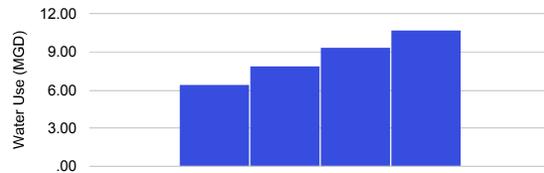
2010	2020	2030	2040	% Change (2010-2040)
48,914	57,114	65,768	75,015	56.3%

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



**\*Table 4 & Figure 5:** Harrisonburg 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)
6.48	7.91	9.34	10.77	66.3%



**Drought Management Practices**

The City adopted an ordinance to implement and enforce the Drought Response and Contingency Plan. (Upper Shenandoah River Basin WSP)