



City of Manassas

**Water Source Overview**

The major source is Lake Manassas.

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

Type	Reported Use 2010 MGD	Projected Use 2040 MGD
Small Self-Supplied Users (under 300,000 gal/month)	0.001	0.002
Community Water System	12.000	21.062

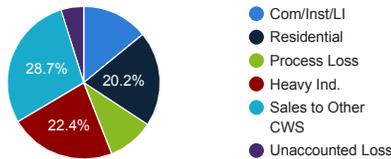
**Water Use by System Type**

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 Manassas 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	12.00	0.00	21.06

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



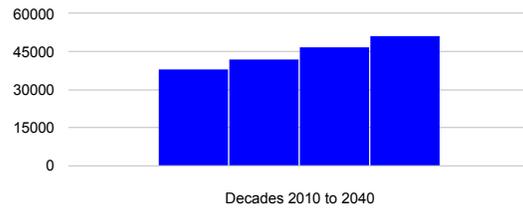
**Projected Water Demand**

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

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

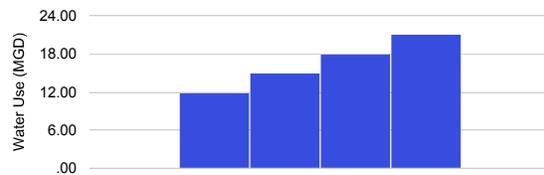
2010	2020	2030	2040	% Change (2010-2040)
37,821	42,105	46,591	51,005	37.8%

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



**\*Table 4 & Figure 5:** Manassas 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)
12.00	15.02	18.04	21.06	75.5%



**Drought Management Practices**

The City has adopted a water conservation ordinance for the implementation and enforcement of the Drought Response and Contingency Plan. (Northern Virginia Regional WSP)