



Madison County and the Town of Madison

**Water Source Overview**

Major sources include White Oak Lake and groundwater wells.

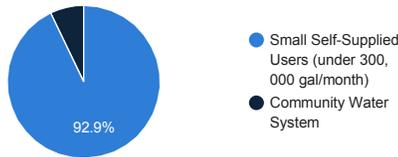
**\*Table 1:** Reported (2010) and projected (2040) water use by system type for Madison County in MGD

Type	Reported Use 2010 MGD	Projected Use 2040 MGD
Small Self-Supplied Users (under 300,000 gal/month)	1.620	2.298
Community Water System	0.124	0.157

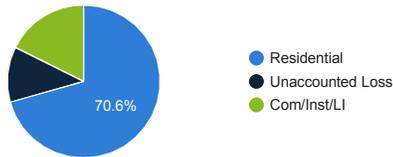
**Water Use by System Type**

Approximately 12,925 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 Madison 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)
1.67	0.08	2.34	0.11

**\*Figure 3:** Madison County highlighted in the Commonwealth of Virginia



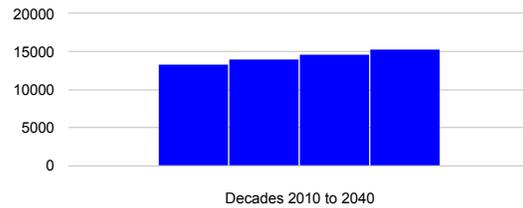
**Projected Water Demand**

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

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

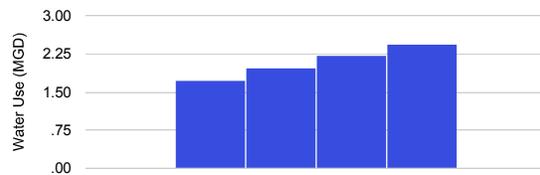
2010	2020	2030	2040	% Change (2010-2040)
13,308	14,008	14,640	15,214	15.4%

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



**\*Table 4 & Figure 5:** Madison 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)
1.74	1.98	2.22	2.45	40.8%



**Drought Management Practices**

The County will adopt an emergency ordinance to enforce the Drought Response and Contingency Plan in the event of a drought. The Town intends to follow the County's lead on drought declaration. (Madison County and Town Regional WSP)