



**Albemarle County and the Town of Scottsville**

**Water Source Overview**

Major sources include the Rivanna River, groundwater wells, Ragged Mountain Reservoir, and Sugar Hollow Reservoir.

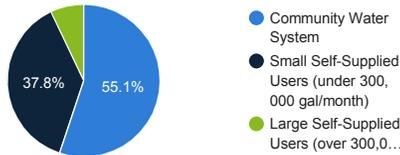
**\*Table 1:** Reported (2010) and projected (2040) water use by system type for Albemarle County in MGD

Type	Reported Use 2010 MGD	Projected Use 2040 MGD
Community Water System	4.724	8.016
Small Self-Supplied Users (under 300,000 gal/month)	3.236	3.965
Large Self-Supplied Users (over 300,000 gal/month)	0.607	0.607

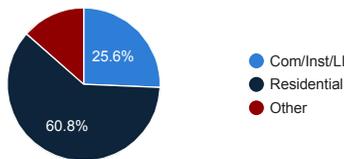
**Water Use by System Type**

Approximately 39,953 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 Albemarle 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)
3.41	5.16	4.14	8.45

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



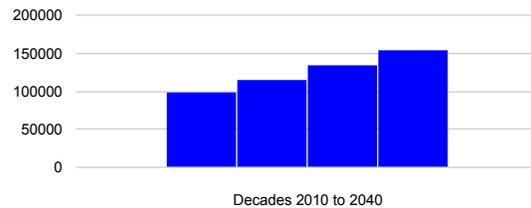
**Projected Water Demand**

Population and demand are projected to increase through the planning period. A deficit of 0.41 MGD is estimated by 2035 in the urban areas. A two-phase expansion of the existing Ragged Mountain Reservoir is planned to meet the demand.

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

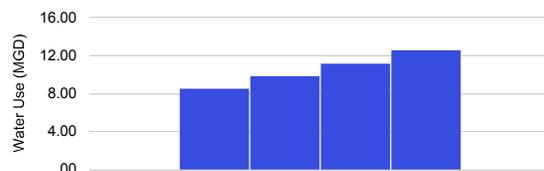
2010	2020	2030	2040	% Change (2010-2040)
98,970	115,642	134,196	154,814	57.1%

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



**\*Table 4 & Figure 5:** Albemarle 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)
8.57	9.91	11.25	12.59	46.9%



**Drought Management Practices**

Albemarle County and the City of Charlottesville adopted ordinances to implement and enforce the Drought Response and Contingency Plans. The Town of Scottsville is covered by the County's ordinance. [Charlottesville, Albemarle County, and the Town of Scottsville Regional WSP].