



**Augusta County and Town of Craigsville**

**Water Source Overview**

Major sources include groundwater wells, purchased water, and the Coles Run Reservoir.

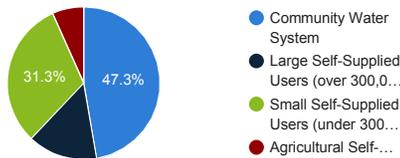
**\*Table 1:** Reported (2010) and projected (2040) water use by system type for Augusta County in MGD

Type	Reported Use 2010 MGD	Projected Use 2040 MGD
Community Water System	4.368	7.864
Large Self-Supplied Users (over 300,000 gal/month)	1.362	1.362
Small Self-Supplied Users (under 300,000 gal/month)	2.887	3.190
Agricultural Self-Supplied Users	0.617	0.793

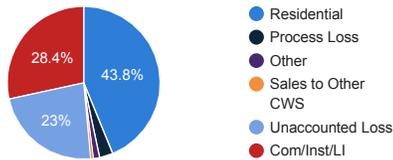
**Water Use by System Type**

Approximately 38,497 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 Augusta 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)
5.15	4.08	6.00	7.21

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



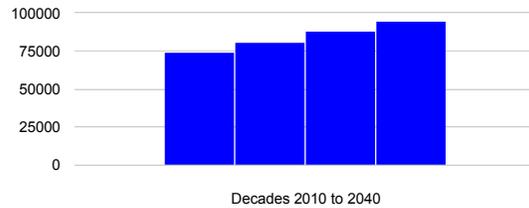
**Projected Water Demand**

Population and demand are projected to increase through the planning period. Augusta County is predicted to have a water supply deficit of 0.83 MGD by 2027. Possible alternatives include development of new wells and treatment facilities; plant upgrades; development of new stream intakes, pump stations, and pipelines; development of purchase water agreements; and inter-jurisdictional collaboration on new infrastructure projects.

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

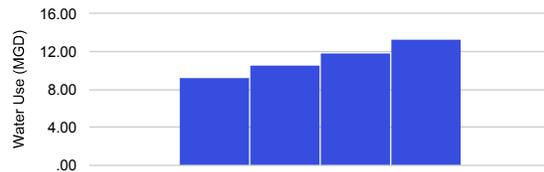
2010	2020	2030	2040	% Change (2010-2040)
73,750	80,655	87,580	94,713	28.8%

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



**\*Table 4 & Figure 5:** Augusta 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)
9.23	10.56	11.88	13.21	43.0%



**Drought Management Practices**

Augusta County and the Town adopted ordinances implementing the Drought Response and Contingency Plan. [Upper Shenandoah Regional WSP]