



Wise County and the Towns of Appalachia, Big Stone Gap, Coeburn, Pound, St. Paul, and Wise

**Water Source Overview**

Major sources include the Big Cherry, Wise, Tom's Creek and Pound Reservoirs and groundwater wells.

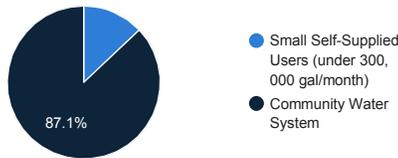
**\*Table 1:** Reported (2010) and projected (2040) water use by system type for Wise County in MGD

Type	Reported Use 2010 MGD	Projected Use 2040 MGD
Small Self-Supplied Users (under 300,000 gal/month)	0.506	0.506
Community Water System	3.411	3.093

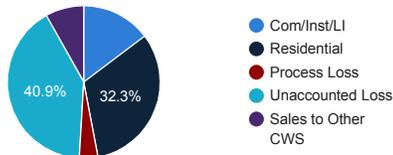
**Water Use by System Type**

Approximately 6,700 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 Wise 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)
0.98	2.94	0.97	2.63

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



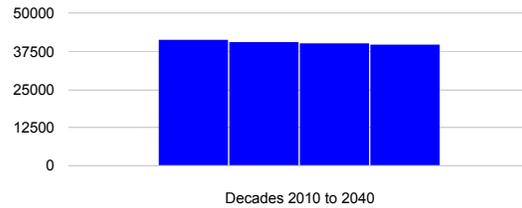
**Projected Water Demand**

Population and water use are projected to decrease slightly during the planning period. Existing water sources are expected to meet projected demands.

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

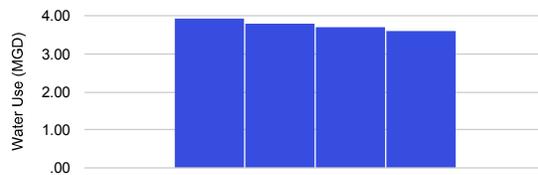
2010	2020	2030	2040	% Change (2010-2040)
41,452	40,841	40,357	39,976	-4.9%

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



**\*Table 4 & Figure 5:** Wise 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)
3.92	3.81	3.71	3.60	-8.1%



**Drought Management Practices**

The County adopted an ordinance to implement and enforce the Drought Response and Contingency Plan. The status of drought enforcement in the Towns of Appalachia, Big Stone Gap, Coeburn, Pound, St. Paul, and Wise is pending and will be addressed by the five-year update of the water supply plan. (Southwest Virginia Regional WSP)