



Allegheny County and the Towns of Clifton Forge and Iron Gate

**Water Source Overview**

Major sources include the Smith Creek Reservoirs, groundwater wells, and purchased water.

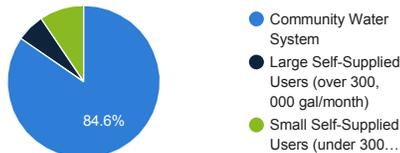
**\*Table 1:** Reported (2010) and projected (2040) water use by system type for Allegheny County in MGD

Type	Reported Use 2010 MGD	Projected Use 2040 MGD
Community Water System	2.511	2.439
Large Self-Supplied Users (over 300,000 gal/month)	0.175	0.183
Small Self-Supplied Users (under 300,000 gal/month)	0.281	0.281

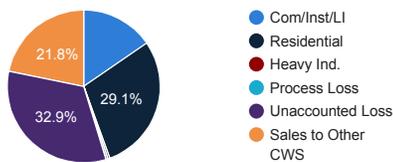
**Water Use by System Type**

Approximately 4,054 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 Allegheny 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)
0.46	2.51	0.46	2.44

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



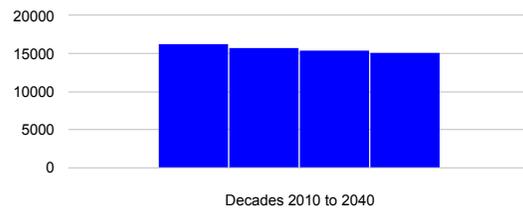
**Projected Water Demand**

No increase in population or demand is projected through the planning period. Existing water sources are expected to meet projected demands.

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

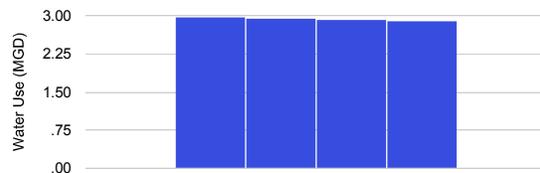
2010	2020	2030	2040	% Change (2010-2040)
16,250	15,742	15,394	15,121	-6.3%

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



**\*Table 4 & Figure 5:** Allegheny 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)
2.97	2.95	2.92	2.90	-2.1%



**Drought Management Practices**

The County and Towns adopted ordinances for the implementation and enforcement of the regional Drought Response and Contingency Plan. [Upper James Regional WSP]