



City of Radford

Water Source Overview

The major water source is the New River.

***Figure 3:** Radford highlighted in the Commonwealth of Virginia



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

Type	Reported Use 2010 MGD	Projected Use 2040 MGD
Community Water System	17.759	17.702

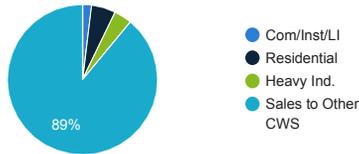
Water Use by System Type

There are no reported users of 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 Radford in MGD

Reported 2010 Groundwater Use (MGD)	Reported 2010 Surface Water Use (MGD)	Projected 2040 Groundwater Use (MGD)	Projected 2040 Surface Water Use (MGD)
0.00	17.76	0.00	17.70

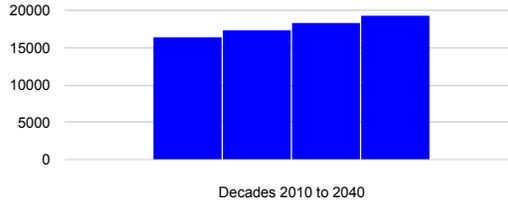
Projected Water Demand

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

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

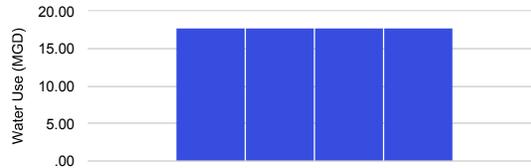
2010	2020	2030	2040	% Change (2010-2040)
16,408	17,392	18,392	19,318	18.8%

***Figure 4:** Radford population projections by decade for 2010, 2020, 2030 & 2040



***Table 4 & Figure 5:** Radford 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)
17.76	17.74	17.72	17.70	-0.3%



Drought Management Practices

The City adopted an ordinance for the implementation and enforcement of the Drought Response and Contingency Plan. (New River Valley WSP)