



Accomack County and the Towns of Accomac, Belle Haven, Bloxom, Chincoteague, Hallwood, Keller, Melfa, Onancock, Onley, Painter, Parksley, Saxis, Tangier, and Wachapreague

Water Source Overview

Major sources are groundwater wells.

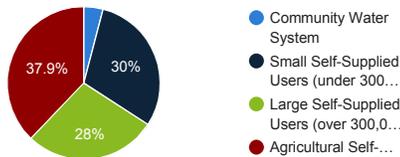
***Table 1:** Reported (2010) and projected (2040) water use by system type for Accomack County in MGD

Type	Reported Use 2010 MGD	Projected Use 2040 MGD
Community Water System	0.423	0.784
Small Self-Supplied Users (under 300,000 gal/month)	3.090	2.861
Large Self-Supplied Users (over 300,000 gal/month)	2.878	3.142
Agricultural Self-Supplied Users	3.899	3.899

Water Use by System Type

Approximately 30,006 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 Accomack 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)
7.39	2.90	7.79	2.90

***Figure 3:** Accomack County highlighted in the Commonwealth of Virginia



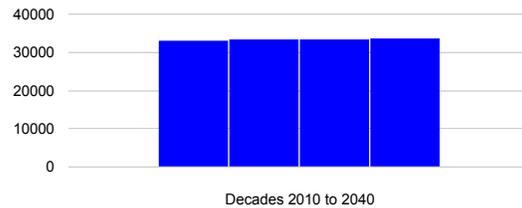
Projected Water Demand

Population and demand are projected to increase through the planning period. Existing water sources in the County and most towns are expected to meet projected demands. The Town of Chincoteague may experience a summertime water deficit of approximately 0.10 MGD in 2015. Alternatives considered include development of up to three new wells in the Town's easement area at NASA, the purchase of water from NASA or another mainland source, and construction of a desalination facility to treat a well drilled on the Island.

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

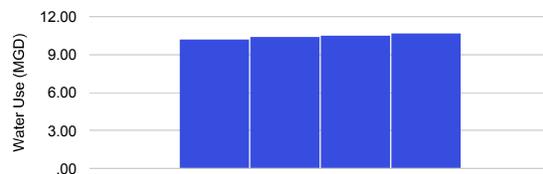
2010	2020	2030	2040	% Change (2010-2040)
33,164	33,432	33,568	33,661	0.0%

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



***Table 4 & Figure 5:** Accomack 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)
10.29	10.42	10.55	10.69	3.8%



Drought Management Practices

The County and all Towns adopted the Drought Response and Contingency Plan (DRCP). The Town of Chincoteague adopted an ordinance to implement and enforce the DRCP. The status of implementation and enforcement of the DRCP in Accomack County and the remaining towns is pending, but will be resolved by the five-year update of the water supply plan. [Accomack County Regional WSP and the Town of Chincoteague Local WSP]