

## **South Carolina**

Water loss is an important issue in South Carolina, where approximately 76% of the population is served by public water suppliers. The US Geological Survey (USGS) estimates that in 2015 (the most recent year available), South Carolina's public water suppliers withdrew an average of about 633.39 million gallons of water per day for treatment and distribution to customers. Those public water suppliers face enormous challenges when it comes to replacing and repairing their systems. The U.S. Environmental Protection Agency (EPA) recently found a 20-year capital improvement need of more than \$6.13 billion for South Carolina's water systems to continue to provide safe drinking water.

The agency with jurisdiction over water loss reporting is the South Carolina Department of Health and Environmental Control (DHEC). All community water systems must carry out a leak detection and repair program, which includes a water audit and records of all leaks and repairs. These records are reviewed during an annual sanitary survey inspection of the water system. The state recommends that drinking water systems use all AWWA guidelines.

U.S. Geological Survey's "Estimated Use of Water in the United States County-Level Data for 2015", September 28, 2017- <https://www.sciencebase.gov/catalog/item/59a96d18e4b07e1a023db323>

EPA's "Drinking Water Infrastructure Needs Survey and Assessment, Sixth Report to Congress", March 2018 - [https://www.epa.gov/sites/production/files/2018-03/documents/sixth\\_drinking\\_water\\_infrastructure\\_needs\\_survey\\_and\\_assessment.pdf](https://www.epa.gov/sites/production/files/2018-03/documents/sixth_drinking_water_infrastructure_needs_survey_and_assessment.pdf)

Rule reference: SC State Primary Drinking Water Regulation - R.61-58.7E(11) - <http://www.scdhec.gov/Agency/RegulationsAndUpdates/LawsAndRegulations/Water/>

Sanitary Survey: <http://www.scdhec.gov/environment/WaterQuality/DrinkingWater/Compliance/>

SRF Eligibility (see section 5.1-1):

[http://www.scdhec.gov/HomeAndEnvironment/Docs/srf\\_gpr\\_eligible.pdf](http://www.scdhec.gov/HomeAndEnvironment/Docs/srf_gpr_eligible.pdf)