

## ATOKA RESERVOIR DAM REHABILITATION

**STATE PROGRAM:** Oklahoma Water Resources Board

**ASSISTANCE RECIPIENT:** Oklahoma City Water Utilities Trust

**ASSISTANCE AMOUNT:** \$34M



### PROJECT DESCRIPTION

The Atoka Reservoir is a major drinking water supply for the residents of Oklahoma City. Past flooding has damaged the reservoir's dam and spillway chute, creating safety concerns for the City's pump stations and transmission lines. These critical components serve approximately 1.2 million people within the City and surrounding communities and were left vulnerable during high-risk conditions. The City responded to this concern by financing \$34 million through the CWSRF for the repair of the spillway chute and to increase the height of the reservoir embankment to allow for greater flood storage capacity. Improved flood resilience allows the reservoir to hold more stormwater, which provides a nonpoint source benefit by reducing sediment and nutrients from flowing into the neighboring North Boggy Creek. Overall, these repairs reduce the risk of a dam breach while improving the water quality of the lake which is on Oklahoma's 303(d) Impaired Waters List.

To read more about this case study, please visit [https://www.epa.gov/sites/default/files/2018-11/documents/pisces\\_2018\\_compendium\\_0.pdf](https://www.epa.gov/sites/default/files/2018-11/documents/pisces_2018_compendium_0.pdf).