

HANCEVILLE WWTP SOLAR ENERGY SYSTEM

STATE PROGRAM: Alabama Department of Environmental Management

ASSISTANCE RECIPIENT: Hanceville Water Works and Sewer Board

ASSISTANCE AMOUNT: \$345,000



PROJECT DESCRIPTION

The Hanceville Water Works and Sewer Board borrowed \$345,000 from the Alabama CWSRF, combined with a grant from the Tennessee Valley Authority, to install a solar panel array at its WWTP. The solar energy facility was installed in July of 2018 and has seven solar arrays with a generating capacity of 170 kW. The project utilized the renewable resource to provide a significant long-term operational cost savings for the Board. It is projected to result in over \$300,000 worth of energy savings for the WWTP during the life of the solar panels. Significant energy savings have been achieved by WWTP optimization, but the solar energy facility will help Hanceville achieve steady and continued energy savings for years to come. This was the first installation of a solar energy facility co-located with a wastewater utility in Alabama.

To read more about this case study, please visit https://www.epa.gov/sites/default/files/2019-11/documents/pisces_2019_compendium.pdf.