

ROUTE 2 – PHASE II COLLECTION SYSTEM EXTENSION & WWTP UPGRADE

STATE PROGRAM: West Virginia Department of Environmental Protection

ASSISTANCE RECIPIENT: Pea Ridge Public Service District (PSD)

ASSISTANCE AMOUNT: \$39.4 million



PROJECT DESCRIPTION

The Village of Barboursville had a wastewater treatment lagoon that was impacted by flooding from nearby rivers during flood events. The Village determined that the most feasible solution was to decommission the lagoon and regionalize its treatment services with a nearby community, thereby sharing the costs of upgrading the existing Pea Ridge system. The project not only connected 2,471 customers from the decommissioned lagoon to the new system, but it also eliminated 110 failing septic systems and 43 failing home aeration units that were along the conveyance system extension. The upgrades to the Pea Ridge PSD took into consideration future flood conditions and all proposed controls and basins were constructed above the 100-year flood elevation level.

This project was split into three separate phases, allowing the CWSRF funds to be leveraged with funds from other entities and more competitive, manageable bids for the entire project. Additionally, the Village was able to secure \$5,400,000 in principal forgiveness out of its CWSRF loan of \$39,442,493. The collection system extension and treatment plant upgrades are expected to be completed by May 2025.

To read more about this case study, please visit [PISCES 2025 Recognition Program Compendium](#).