

## WYOMING VALLEY SANITARY AUTHORITY 2021 PROFI MS4 STORMWATER PROJECTS

**STATE PROGRAM:** Pennsylvania Infrastructure Investment Authority

**ASSISTANCE RECIPIENT:** Wyoming Valley Sanitary Authority

**ASSISTANCE AMOUNT:** \$12.9M



### PROJECT DESCRIPTION

In Luzerne County, Pennsylvania, 31 municipalities partnered with the Wyoming Valley Sanitary Authority to address pollutant reduction goals for sediments and nutrients (nitrogen and phosphorus) in the Authority's MS4 Regional Chesapeake Bay Pollutant Reduction Plan. In lieu of each municipality developing and implementing their own individual plan to address pollution in the Chesapeake Bay, they regionalized and developed a comprehensive plan, then partnered with an existing sewer and water authority to implement it.

The Wyoming Valley Sanitary Authority received \$12.9 million in CWSRF financing to implement green infrastructure and hydromodification projects from the comprehensive regional pollutant reduction plan. This programmatic financing arrangement allowed the Authority to implement several projects, which are broken down into three phases, with just one CWSRF application and loan. On behalf of the partnering municipalities, the Authority has restored over 16,000 feet of creek, constructed two rain gardens, and restored three existing stormwater basins totaling over 18 acres. These projects will result in a load reduction of 1,036,759 lbs of sediment, 145,619 lbs of nitrogen, and 228,944 lbs of phosphorus annually.

To read more about this case study, please visit <https://www.epa.gov/system/files/documents/2023-04/pisces-2022-compendium.pdf>.