

PISCES Recognition Program

2019 Compendium



Clean Water
State Revolving Fund



DIRECTOR'S ADDRESS

Dear Colleagues,

2019 marks the third year we recognize the great work of the Clean Water State Revolving Fund (CWSRF) assistance recipients and state programs through the Performance and Innovation in the SRF Creating Environmental Success (PISCES) program. Since its inception, the CWSRF has provided affordable financing for water infrastructure projects that protect public health and the environment. This Compendium highlights CWSRF projects that demonstrate performance in innovation; sustainability; and/or water quality, public health, or economic benefits.

Over the past 31 years, the CWSRF programs have provided more than \$138 billion in financing for water quality infrastructure. The projects recognized here celebrate the success the program has achieved across the nation. They underscore the flexibility of the CWSRF for meeting the water quality needs of communities and cover a wide range of eligibilities and project types – from large wastewater infrastructure projects to small decentralized and agriculture projects. Some projects even integrate community involvement and public amenities through grassroots development.

I want to express my appreciation to all of the assistance recipients recognized in this compendium for their contributions to improved wastewater infrastructure. I commend your dedication to providing water quality benefits for our communities. I hope that everyone will enjoy learning about this year's set of PISCES projects and that they will inspire creativity in how the CWSRF can be utilized to meet the diverse water quality needs of our communities. Thank you.

Sincerely,



Andrew Sawyers, Ph.D., Director
Office of Wastewater Management



RECOGNIZING SUCCESS

The Clean Water State Revolving Fund's Performance and Innovation in the SRF Creating Environmental Success (PISCES) program recognizes exceptional projects funded by the CWSRF at the national level. Each participating state program nominated one project that demonstrated one or more of the following evaluation criteria:

- Water Quality, Public Health, or Economic Benefits
- Sustainability
- Innovation

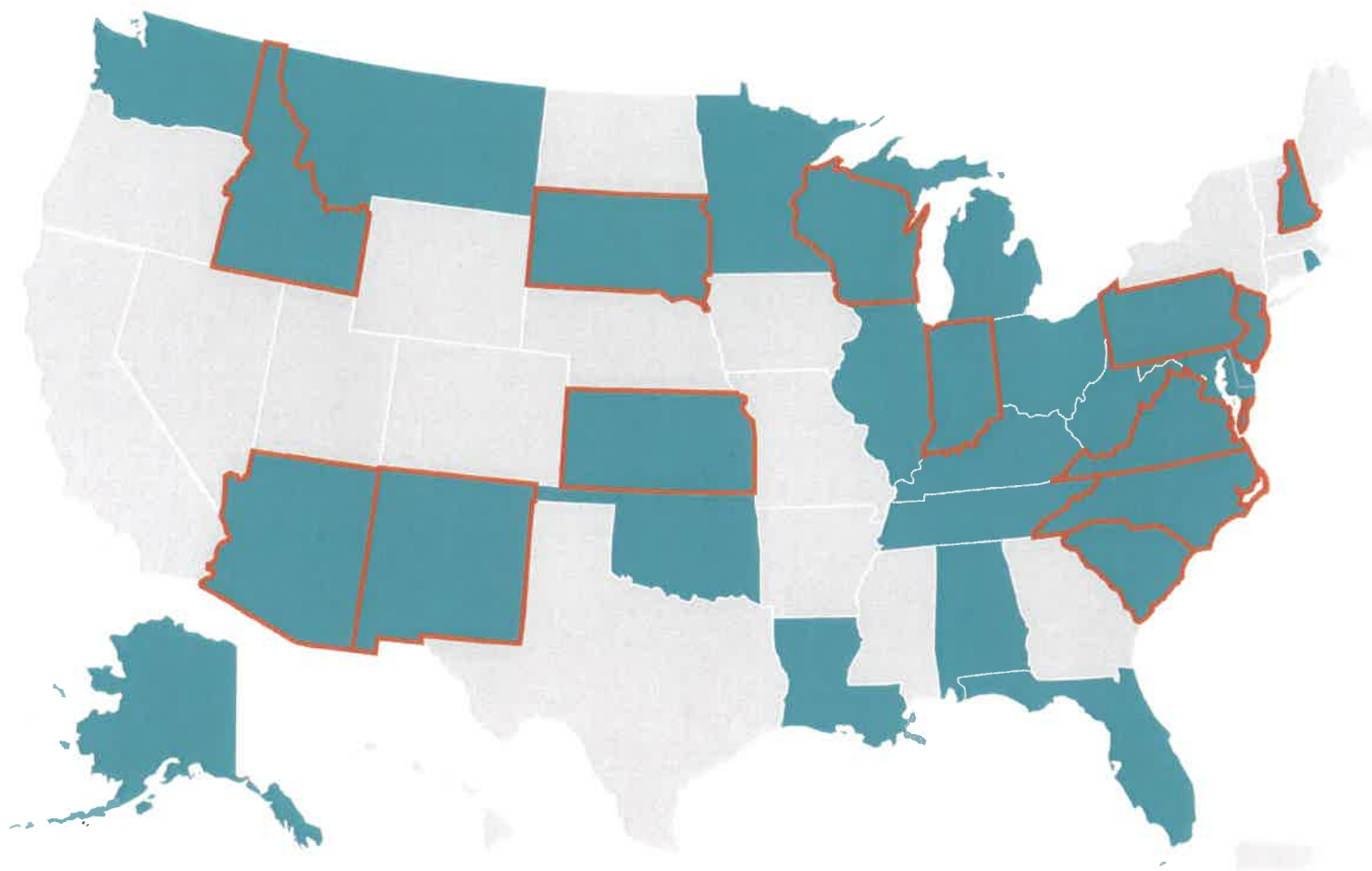
Eligible projects could be any size and must have an executed assistance agreement. Projects could be operational or in the planning phase. After all project nominations were reviewed and accepted for this year's recognition, at least one project in each EPA Region was selected to receive the Exceptional Project recognition based on meeting the evaluation criteria. The remaining nominated PISCES projects were selected to receive the Honorable Mention recognition.

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2019 PISCES PROJECTS



RECOGNIZED PROJECTS ARE LOCATED IN THE STATES SHOWN IN **BLUE**.
EXCEPTIONAL PROJECTS ARE OUTLINED IN **ORANGE**.

EXCEPTIONAL RECOGNITION

<u>ARIZONA:</u>	Adonis Sewer Connection to Town of Marana
<u>IDAHO:</u>	Boise Public School District Lead Remediation
<u>INDIANA:</u>	Stormwater and Deicing Capacity Project
<u>KANSAS:</u>	Storm Sewer Restoration and Repair
<u>NORTH CAROLINA:</u>	Bioenergy Recovery Project
<u>NEW HAMPSHIRE:</u>	Town of Newmarket Wastewater Treatment Facility Upgrade
<u>NEW JERSEY:</u>	Jersey City Municipal Utilities Authority Green Infrastructure Project
<u>NEW MEXICO:</u>	Peralta Regional Sanitary Sewer Project
<u>PENNSYLVANIA:</u>	Lyme PA Headwaters/Sterling Run Conservation and Restoration
<u>SOUTH CAROLINA:</u>	Timmonsville System Adoption by the City of Florence Project
<u>SOUTH DAKOTA:</u>	Dell Rapids Wastewater Treatment Facility
<u>VIRGINIA:</u>	Living Shorelines Resiliency Loan Program
<u>WISCONSIN:</u>	Pumping Station Rehabilitation

HONORABLE MENTION RECOGNITION

<u>ALASKA:</u>	Scow Bay Pump Station 1 Upgrade
<u>ALABAMA:</u>	Hanceville WWTP Solar Energy System
<u>DELAWARE:</u>	Ocean Outfall and WWTP Upgrade
<u>FLORIDA:</u>	Biosolids Energy Efficiency Project
<u>ILLINOIS:</u>	West Washington Street Stormwater Improvements
<u>KENTUCKY:</u>	West Hickman WWTP Wet Weather Storage and Headworks
<u>LOUISIANA:</u>	Wastewater System Consolidation
<u>MARYLAND:</u>	Conococheague WWTP Enhanced Nutrient Removal
<u>MICHIGAN:</u>	Pontiac WWTF: Biosolids, Dewatering/Storage, & Septage Receiving
<u>MINNESOTA:</u>	St. Cloud Nutrient and Energy Recovery Project
<u>MONTANA:</u>	Havre Wastewater System Improvements
<u>OHIO:</u>	Wastewater Treatment Plant Upgrades
<u>OKLAHOMA:</u>	City of Elk City Downtown Streetscape Project
<u>RHODE ISLAND:</u>	Block Island Landfill Slope Repair Project
<u>TENNESSEE:</u>	Water Reclamation Facility Modifications & Expansion
<u>WASHINGTON:</u>	Oak Harbor Clean Water Facility Project
<u>WEST VIRGINIA:</u>	Morgantown Wastewater Treatment Facility Upgrade

PISCES EXCEPTIONAL PROJECT: NEW HAMPSHIRE

Program: New Hampshire Department of Environmental Services

Assistance Recipient: Town of Newmarket

Project Title: Town of Newmarket Wastewater Treatment Facility Upgrade



The Town of Newmarket received \$14.1 million in CWSRF funds, with \$1.7 million provided in principal forgiveness, to upgrade their wastewater treatment plant. The upgrade included the conversion of a trickling filter process to a new 4-Stage Bardenpho process for nitrification and denitrification, putting Newmarket in a position to meet total nitrogen effluent limits and improve water quality in the Lamprey River and Great Bay watersheds. The upgrade also improved energy efficiency through the installation of hybrid aeration blowers and low-speed dewatering technology. Not only will Newmarket save money on their energy bill, they also received monetary incentives through a partnership with their energy provider.

Newmarket received significant cost savings by financing the project through both the CWSRF and U.S. Department of Agriculture (USDA) Rural Development. The Town's efforts to maximize performance and minimize energy consumption, combined with their active participation in collaborative watershed partnerships, shows an exemplary commitment to improving water quality in the Great Bay Estuary in order to protect this national treasure.