Drinking Water State Revolving Fund
Resiliency and Conservation Projects

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Drinking Water State Revolving Fund

- Provides long-term low interest loans to Community and Non-Profit Non-Community PWS for important drinking water infrastructure projects that improve public health, regulatory compliance and sustainability (capital projects)
- Competitive loan program – projects are ranked according to a point-based Priority Ranking System
- No limit on loan amount
- Repayment terms - up to 20 years
- Interest Rates – half of market rate
- Funds can be used for planning, design and/or construction
- Certain projects may be eligible for federal or state grant contributions
Priority Ranking System

• Significant revisions were made during 2017
• Now includes a Category 6 **Resiliency/Security** for projects that will increase a PWS’s ability to withstand or recover from natural or man-made disasters including drought
• Eligible projects include:
  – Asset management and/or climate change planning
  – Redundancy or relocation of critical drinking water facilities that are supported by climate change studies
  – Regional Interconnections for rapid transfer of water between PWS during emergencies
  – Security enhancements for drinking water facilities
Priority Ranking System

- Added Category 3 **Conservation/Water Loss Reduction** to recognize the importance of these efforts to statewide water supply resources.
- Additional priority points have been made available for projects:
  - That will significantly reduce “unaccounted for” or “non-revenue” water loss
  - To install or replace water meters with additional points for real-time metering projects (i.e. AMI projects)
  - Pipe replacement projects
Regional Interconnections and State Grant Funding

- 2015 Public Water System Improvement Program (PWSIP) - CGS Section 22a-483f
- Provides state grant funding as part of a DWSRF loan to not-for-profit PWS for regional interconnection/PWS consolidation projects and associated infrastructure improvements that are necessary to facilitate the interconnection(s)
- Small Systems (10,000 or less) – up to 50% subsidy
- Large Systems (>10,000)– up to 30% subsidy
- Must have Asset and Fiscal Management Plans to qualify
- The $20 million currently authorized has been allocated to projects in Southeastern CT
- DPH looking for other interconnection/consolidation projects that are in need of funding
Norwich Public Utilities
Project Overview

- Emergency interconnection between Town of Sprague and NPU via a 1.7 mile water main extension
- Upgrades to NPU’s Stony Brook and Deep River WTPs
- Upgrades to NPU water storage tank in Occum
- Upgrades to NPU transmission mains
- Total cost = $18 M
- State grant funding = $5 M
Groton Utilities
Project Overview

- Upgrades to 80 year old WTP for water quality improvements and sustainability
- Emergency regional interconnection with Norwich Public Utilities in Preston
- Emergency interconnections with 5 Southeastern CT Water Authority PWSs in Ledyard
- Total cost = $54 M
- State grant funding = $15 M
Drinking Water Vulnerability Assessment and Resilience Plan and the DWSRF

- Identifies critical drinking water infrastructure facilities (4 coastal counties) that are vulnerable to future storms and drought
- Identifies new interconnections between PWS and additional new facilities (pump stations, tanks, etc.) that will be important in the future
- DWVAR Plan integrates with other statewide planning documents (State Water Plan, WUCC Integrated Reports)
Community Public Water Systems that were on Boil Water Advisories

Legend
- Winter Storm Alfred
- Tropical Storm Irene
- Both Alfred and Irene
Emergency Power Generator Program

- Since 2011, provides subsidized loans to small PWS for installation of generator systems for back-up power
- Up to 45% federal subsidy
- Streamlined DWSRF requirements for projects costing less than $100,000
- Over 50 loans to date
For more information:

DWSRF website:  [www.ct.gov/dph/dwsrf](http://www.ct.gov/dph/dwsrf)

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