

Drinking Water Infrastructure Funding and Other Program Updates

BIA 2024 Environmental Regulatory Conference
September 10, 2024



Agenda

Infrastructure Funding Overview & Updates

Sustainability Program Updates

Projects at a Glance



Infrastructure Funding

- Drinking Water State Revolving Fund (DWSRF)
 - Bipartisan Infrastructure Law (BIL)
- American Rescue Plan Act (ARPA) of 2021
- Water Infrastructure Improvements for the Nation (WIIN) Act
- Drinking Water and Groundwater Trust Fund (DWTGF)
- PFAS Remediation Grant and Loan Fund (PFAS-RLF)
- Emerging Contaminant, Small and Disadvantaged Community Grant (EC-SDC)

NHDES American Rescue Plan Act (ARPA) Funding

\$185,000,000

All Drinking Water Funds
have been allocated.

All projects must be
completed by 12/31/26

Category	# of Projects Funded	Grant Amount
Planning	44	\$2M
Asset Management	45	\$3.7M
Energy Audit Implementation	2	\$160,000
Climate Vulnerability Assessments, LSL, Energy/Water Audits	contracts	\$4M
Disadvantaged Mobile Home Cooperative	22	\$15M
Construction- DWSRF Co-funding	44	\$24M
Cyber	22	\$1M

Funding Story Maps

Projects in NH funded by ARPA

NHDES Infrastructure Funding Projects At-a-Glance



Town of Antrim: Clean Water Energy Audit Measures Implement...
ARPA Grant: \$34,000 Approved: June 1, 2022



Town of Lincoln: Clean Water Energy Audit Measures Implemen...
ARPA Grant: \$215,000 Approved: May 4, 2022



Town of Wolfeboro: Drinking Water Infrastructure
ARPA Grant: \$735,000 DWSRF Loan: \$735,000 Total Project Cost: \$1.4 million
Approved: June 15, 2022

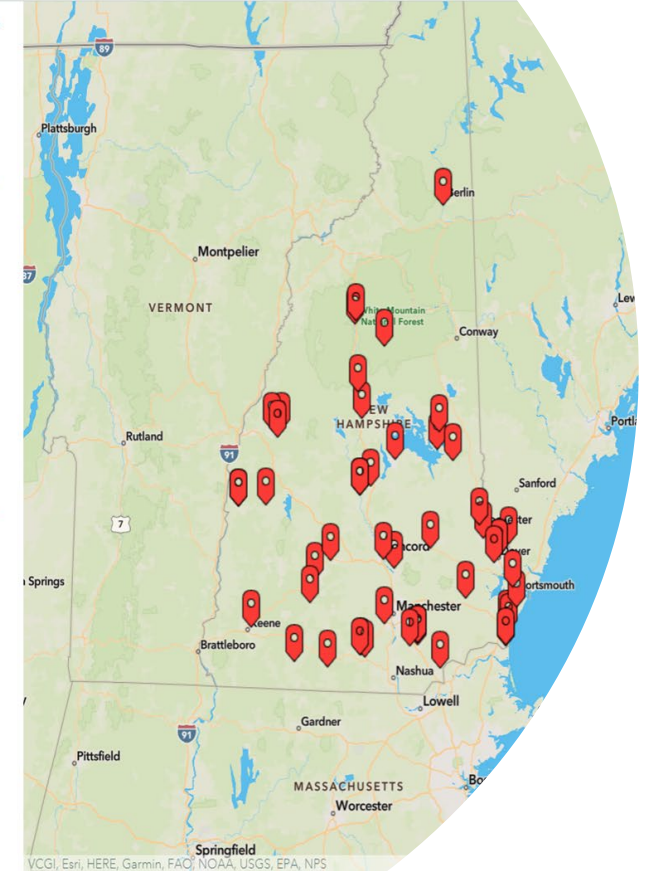


Town of Woodstock: Clean Water Energy Audit Measures Imple...
ARPA Grant: \$74,000 Approved: June 1, 2022



City of Concord: Wastewater infrastructure
ARPA Grant: \$760,000 Local Funds: \$3,040,000 Total project cost: \$3,800,000
Approved: June 1, 2022

of Enfield: Drinking Water System Improvements
\$570,000 DWSRF: \$1,330,000 Total project cost: \$1,900,000



<https://storymaps.arcgis.com/stories/61a18725f04d4a1b938b73f73f3feb4b>

Drinking Water State Revolving Fund (DWSRF) Bipartisan Infrastructure Law (BIL) & Water Infrastructure Improvements for the Nation (WIIN)



DWSRF Loan - Base

Annual base program (additional loan funds are available from repayments)



DWSRF Loan - BIL

Supplemental "Base", Lead Service Lines, Emerging Contaminants



WIIN Grant

Small System Disadvantaged Program and Emerging Contaminants

DWSRF, BIL & WIIN



DWSRF Loan - Base

~ \$5 Million (cut by 50% due to CDS)



DWSRF Loan - BIL

~ \$20M Supplemental

~\$7M EC & ~ \$28M LSL



WIIN Grant

~ \$400,000

2024 DWSRF, BIL, WIIN Funding

\$42 Million

- 104 applications
- 19 projects selected for funding
 - 11 Municipal
 - 8 Privately-owned
- 2 WIIN grants
 - 1 co-funded with DWSRF

RANK	PWS #	APPLICANT	SYSTEM TOWN	PROJECT NAME	POPULATION	REQUESTED LOAN AMOUNT	LEAD SERVICE LINE AMOUNT	EMERGING CONTAMINANTS FUNDING AMOUNT	BASE & SUPPLEMENTAL LOAN AMOUNT
1	0162130	ROLLING RIDGE	BARTLETT	PUMP HOUSE AND DISTRIBUTION UPGRADES	58	\$750,000	\$0	\$0	\$750,000
2	0493030	T and T MHP	COLUMBIA	COMPLETE WATER SYSTEM INFRASTRUCTURE UPGRADE	45	\$1,000,000	\$0	\$0	\$1,000,000
3	2544010	WARDE REHABILITATION/ NURSING	WINDHAM	WARDE REHABILITATION WATER SUPPLY IMPROVEMENTS BY INTERCONNECTION	155	\$1,885,925	\$0	\$942,963	\$471,481
4	1861010	PEMBROKE WATER WORKS	PEMBROKE	INTERMUNICIPAL CONNECTION TO THE CITY OF CONCORD SYSTEM	5,200	\$4,500,000	\$0	\$1,000,000	\$3,500,000
5	1221010	JAFFREY WATER WORKS	JAFFREY	TURNPIKE WELLS MN & PFAS TREATMENT FACILITY	3,800	\$2,350,000	\$0	\$0	\$2,350,000
6	2301020	WEST SWANZEY WATER	SWANZEY	WEST SWANZEY WATER COMPANY ACQUISITION, SUPPLY AND STORAGE IMPROVEMENTS	430	\$6,400,000	\$0	\$0	\$6,400,000
7	0081010	ANDOVER VILLAGE DIST	ANDOVER	FILTER PLANT UPGRADE	650	\$750,000	\$0	\$0	\$750,000
8	0771010	EPSOM VILLAGE WATER DISTRICT	EPSOM	WELL #2 PFAS TREATMENT FACILITY	800	\$6,150,000	\$0	\$2,500,000	\$3,650,000
9	0161020	LOWER BARTLETT WATER PCT	BARTLETT	LBWP INTERCONNECTION	3,800	\$9,600,000	\$0	\$0	\$0
10	0751010	ENFIELD WATER DEPT	ENFIELD	TOWN OF ENFIELD - MARSH WELL FIELD AND WATER MAIN	1,345	\$2,730,000	\$200,000	\$0	\$2,530,000
11	1581010	MILTON WATER DIST	MILTON	MILTON WATER SYSTEM IMPROVEMENTS - WELL DEVELOPMENT, TREATMENT AND WATER MAIN REPLACEMENT	800	\$4,780,000	\$0	\$0	\$4,780,000
12	1191010	CONTOOCOOK VILLAGE PCT	HOPKINTON	WATER TREATMENT PLANT (WTP) IMPROVEMENTS	1,600	\$1,723,000	\$0	\$0	\$1,723,000
13	0762050	GOVERNORS GREEN	EPPING	NEW WELL AND PUMP HOUSE REPLACEMENT	53	\$953,000		Not eligible	\$953,000
14	1852060	HIGHLAND ESTATES APARTMENTS	PELHAM	INTERCONNECTION WITH PENNICHUCK WATER	120	\$1,492,899	\$0	\$746,450	\$746,449
15	0512120	SACO RIVER FOREST	CONWAY	WATER SYSTEM UPGRADE - NEW PUMP HOUSE, TREATMENT, STORAGE AND OTHER IMPROVEMENTS	65	\$381,900	\$0	\$0	\$381,900
16	0773020	COLBY BROOK ESTATES	EPSOM	WATER SYSTEM UPGRADES - PUMP HOUSE UPGRADES, STORAGE AND DISTRIBUTION SYSTEM REPLACEMENTS	68	\$812,250	\$0	\$0	\$812,250
17	2052060	MILLVILLE CIRCLE/NORTH	SALEM	MILLVILLE CIRCLE WATER MAIN REPLACEMENT	57	\$1,912,000	\$0	\$374,287	\$1,537,713
18	0161010	BARTLETT VILLAGE PCT	BARTLETT	SYSTEM REDUNDANCY AND SERVICE LINE REPLACEMENT	625	\$700,000	\$0	\$0	\$700,000
19	2011010	ROLLINSFORD WATER SEWER DIST	ROLLINSFORD	2025 WATER MAIN IMPROVEMENTS	1,688	\$2,146,000	\$100,000	\$0	\$2,146,000
20	1971010	RAYMOND WATER DEPT	RAYMOND	SOURCE WATER IMPROVEMENTS	3,300	\$1,000,000	\$0	\$0	\$1,000,000


DWSRF Lead Service Line Funding & Lead and Copper Rule Revisions/Improvements (LCRR/I)

Anticipated Compliance Timeline:

- 2024: initial service line inventory due to NHDES (using NHDES excel template)
- 2027: baseline inventory due to NHDES, replacement plan due, effective action level of 10ppb
- 2037: all unknowns need to be identified, and all lead/GRR needs to be replaced

Eligible DWSRF BIL LSL Projects include: ([Bipartisan Infrastructure Law SRF Memorandum | US EPA](#))

DWSRF LSLR vs Regular DWSRF Funding

- Specific to LSLR
- **No pre-application**  (must have authority to borrow)
- Rolling application; first-come, first-served
- High %PF (currently 71%)*
- Available for limited time

Apply Now!

[NH Online Forms System – Drinking Water Infrastructure Project: Final Application – Version 1.18](#)

** May be subject to change*



26 Years of Investment

Over \$370M in loans

- 60% Publicly owned
- 40% Privately owned

Funded over 329 projects

- Smallest loan - \$50,000
- Largest loan - \$11,000,000

Principal Forgiveness

- Over \$25M forgiven



New Hampshire
**Drinking Water
& Groundwater
Trust Fund**

Construction Project Assistance Program

- **No annual round in 2024** – not currently accepting applications
- **Special Projects** – accepted anytime if the following criteria are met:
 - Addresses drinking water contamination
 - Financial hardship
 - Economic growth

Currently Accepting Applications for:

Small System Interconnection Feasibility Grant

- To evaluate the feasibility and cost-effectiveness of connecting to another community water system
- Maximum \$10,000 grant award
- Eligibility: Community water systems serving up to 1,000 people and nonprofit, non-transient, **non-community water systems**

PFAS Remediation Grant and Loan Fund (PFAS- RLF) & Emerging Contaminant, Small and Disadvantaged Community Grant (EC-SDC)

Currently Accepting Applications for:

PFAS-RLF

- First-come, first-served
- Eligible projects:
 - Treatment install
 - New well install
 - Interconnection

EC-SDC Grant (via BIL)

- Available to assist communities with EC issues.
- NHDES directing funds specifically for PFAS contamination
- NHDES select communities based on PFAS contamination systems



Sustainability Funding Programs

- Asset Management Grant
- Strategic Planning Grant
- Energy Audit Grant
- Cybersecurity Implementation Initiatives
- Hazard Mitigation Grants

Water System Sustainability Grants



New Asset Management Programs

\$30,000, with match of 50%



Asset Management Program Improvements

\$20,000, with match of 50%



Strategic Planning Grant

\$30,000, with match of 50%

Cybersecurity and Hazard Mitigation



Cybersecurity “In a Box”

Contract Services Provided



Energy Audit Grant

\$20,000, no match required (100% grant)



Hazard Mitigation

NHDES liaison for NH HSEM and FEMA funding



Source Water Protection

- [Local Source Water Protection Grant](#)
- [Land Conservation Grant](#)

Common Grant and Loan Sources

New Hampshire Department of Environmental Services Funding Programs	Who's Eligible	What Can Be Funded	Terms	Application Timeframes	Contacts
Asset Management Grants	Community water systems ≥150 population	Development or expansion of asset management activities (inventory, financial, implementation)	Grant up to \$30,000 – 50% match required	Fall	Katie Curtis Drinking Water and Groundwater Bureau (603) 271-2472 Kaitlin.E.Curtis@des.nh.gov
Cyanotoxin Monitoring Grants	PWS that utilize a surface water source	Initial costs of approved equipment, supplies & training to perform cyanotoxin testing and/or monitoring	100% reimbursement of eligible costs, up to \$10,000. No match required	Anytime	Liz Pelonzi Drinking Water and Groundwater Bureau (603) 271-3906 Ann.Pelonzi@des.nh.gov
Cybersecurity Implementation Grants	Municipal Water Systems	Implementation of recommendations from a cybersecurity assessment to mitigate the risk of a cybersecurity attack	Contract Service Provided	Anytime: Notify Program Contact to Be Added to the List	Brenda Leonard Drinking Water and Groundwater Bureau (603) 271-0867 Brenda.J.Leonard@des.nh.gov
Drinking Water State Revolving Fund (DWSRF) Loans	Community (publicly & privately owned) and non-profit, non-transient water systems	Capital improvements for drinking water infrastructure (design and construction)	Below-market interest rates No closing costs Up to 30 years for disadvantaged applicants	Spring	Kim Kelliher Drinking Water and Groundwater Bureau (603) 271-4170 Kim.C.Kelliher@des.nh.gov
Energy Audit Grants	Municipally Owned Water Systems with ≥500 population served* *smaller systems are encouraged to contact NH Saves for an energy audit	Comprehensive Process Energy audit of drinking water facilities and technical assistance for implementation, by professional retained by NHDES	Grant covers cost of audit, no match required	Anytime	Sharon Nall NHDES Water Infrastructure Energy Program Sharon.L.Nall@des.nh.gov
Leak Detection Survey Grants	Community water systems	Acoustic leak detection surveys by a professional retained by NHDES	In-kind volunteer services required. No maximum, no match	Early Summer	Kelsey Vaughn Drinking Water and Groundwater Bureau (603) 271-0659 waterconservation@des.nh.gov

Upcoming Trainings

Topic	Date	Location	Registration Link
NH Water & Wastewater Rates and Financial Planning	September 24, 2024 1pm-2:30pm	Virtual Webinar	Register Here (no cost)
Asset Management Workshop - Bringing it all Together	October 30, 2024 7:30am - 3:30pm	Pembroke, NH	Register Here (\$45 registration fee, includes lunch)
Water Infrastructure Funding Workshop	Spring 2025	Pending	Pending (no cost)



Projects at a Glance

Town Line Village Coop, Holderness

- 77-units, very low income, high debt burden
- 53-year-old failing infrastructure both septic and water
- Undersized, inadequate water mains and services, built without any engineering plans
- No curb stops, isolation valves, or flushing hydrants
- Inadequate electrical service
- Two confined space pump houses, third in basement of rental property

Funding

\$100,000 DWGTF Grant

\$25,000 DWGTF Loan

\$1,938,800 ARPA Disadv.





BEFORE

- Excessive leaks, frequent, costly emergency repairs
- Wells running 24/7, low system pressure
- No Atmospheric Storage
- Water line locations unknown or inaccessible
- Confined space vaults unsafe to enter
- Treatment on private property difficult to maintain

AFTER

- New distribution lines, isolation valves, insulated services w/curb stops
- Water demand reduced from 30,000 to 8,000 gpd!
- Distribution Pressure inc from 11 PSI to 30 PSI
- New blow-off hydrants
- Actual new Pumphouse and Storage Tanks! New electrical and control panel



Towns of Jaffrey and Peterborough

Cold Stone Springs Project

- Inter-municipal water infrastructure improvements project
- Communities serve population of 7,660
- Addresses supply deficiencies for both systems
- Emergency interconnection between both distribution systems to supply either community in long-term emergency.

Funding

Peterborough:

\$4,047,400 DWSRF Loan

\$5,830,500 DWGTF Grant

Jaffrey:

\$3,000,000 DWSRF Loan

\$430,000 DWGTF Grant

\$400,000 ARPA Grant

Additional funding through Norther Borders, Economic Development



AFTER

- Installation of 14,000 LF of water main
- Access roads
- Construction of a new water treatment plant and a well control building
- Development of existing approved groundwater wells.



Paradise Estates (RPE Rochester, LLC) Interconnection Project

- 143 Manufactured Home Community
- Serves population of 405
- Addresses PFAS contamination

Funding:

\$1,031,420 DWSRF Loan

\$540,780 ARPA Grant

\$350,550 DWGTF Grant





AFTER

- Complete replacement of water main and service connections
- Interconnection to City of Rochester
- Decommissioning of existing community dug wells and pumphouse



Questions?

Kim Kelliher

603-660-2300

Kim.C.Kelliher@des.nh.gov

[Drinking Water Funding Chart](#)