Clean Water Funding

BIA 2024 NH Environmental Regulatory Conference

September 10, 2024

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NHDES Water Division

NEW HAMPSHIRE DEPARTMENT OF Environmental Services

WASTEWATER ENGINEERING - WHO WE ARE

Planning & Design & Construction Management

Grants Management (CWSRF & SAG)

Permits & Compliance & Operations

Residuals Management

Clean Water Programs

WASTEWATER ENGINEERING - WHAT WE DO

Support planning, design, construction and operation of clean water infrastructure for protection of public health and the environment.

Promote Sustainable Programs
(Asset Management, Climate Resiliency, Energy Efficiency, Planning)

Provide Technical Assistance to NHs WWTPs & Operators

Partner w/ WMB & DWGWB

Award CWSRF and SAG Funds

Process Permit Applications
(Sewer Connection, SQC, Septage & Sludge Haulers, etc.)

NH WWE/CWSRF PRIORITIES

1	Protect public health and the environment.
2	Implement cost-effective projects.
3	Promote sustainable infrastructure.

- Asset Management
- Climate Resiliency
- Energy Efficiency
- Planning

CWSRF Incentive Programs

Asset Management
100% Principal Forgiveness/Grant up to $30,000; multiple phases available for WW, one phase available for SW

Energy Audits
Free! (Just ask!)

49 WWTFs
7 Pump Systems

Energy Audit Measure Implementation
50% Principal Forgiveness up to $250,000 (Affordability % for costs above $500,000)

Planning
100% Principal Forgiveness up to $100,000

Position yourself for opportunity

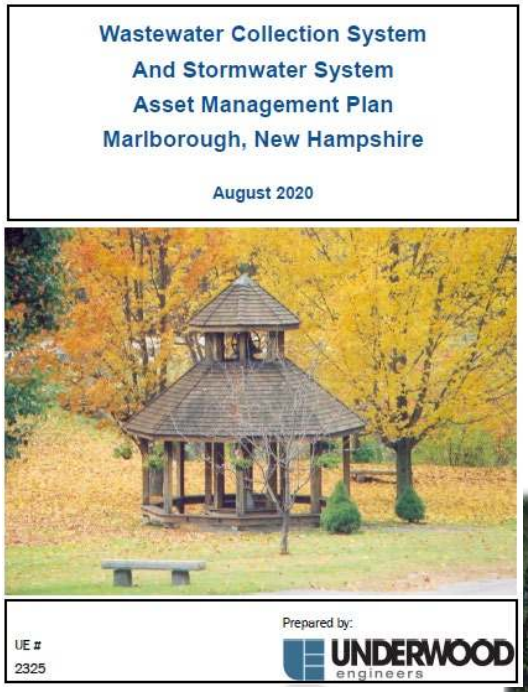
Saco River Erosion Project

Phase 1 - $75,000 (100% PF)
Development of the Saco River Study

Phase 2 - $390,963 (~40% PF)
Preliminary & Final Design
Permits
Bid Package

Phase 3 - $15,128,668 (25% PF)
Construction

Asset Management leads to Stormwater, Planning & Evaluation for Downtown Marlborough



Town of Marlborough
Marlborough, NH

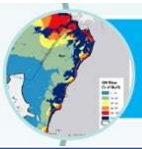
Stormwater Infrastructure
Planning and Evaluation Report

July 2023

Phase 1 – $60,000 (100% PF)
Development of a Stormwater and Wastewater Asset Management Program Plan

Phase 2 - $75,000 (100% PF)
Development of the Stormwater Infrastructure Study for Downtown Area

Phase 3 - $225,000 (~56% PF)
Final Design



Planning Projects

Stormwater and Nonpoint Source

Dover
-Chapel Street Ravine Stormwater BMP
-Stormwater Master Plan

Effingham
-Province Lake Drainage Improvements for Bailey Road

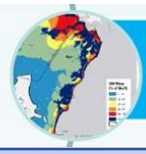
Exeter
-West Side Drive Utility Improvement
-Pickpocket Dam Removal Feasibility Study

Harts Location
-Upper Saco River Floodplain Mapping and Threat Analysis
-Saco-Swift River Corridor Management Plan

Littleton
-Watershed Management Plan for Partridge Lake

Manchester
-MS4 Compliance

Merrimack
-Baboosic Lake (Pine Knoll Shores) Drainage Study



Planning Projects

Stormwater and Nonpoint Source

Nashua
-CMOM Phase II (Stormwater Component)

North Conway Water Precinct
-Wastewater Treatment Facility Riverbank Erosion Study

Pembroke
-Stormwater Planning, Infrastructure and MS4 Compliance

Raymond
-MS4 Compliance – IDDE Program and PCP Planning

Rye
-Restoration of Parsons Creek Evaluation & Restoration Plan

Salem
-MS4 Compliance – IDDE Program Implementation
-Captain Pond PSIR and Watershed Management Plan (portion)
-MS4 Compliance

Wolfeboro
-Watershed Management Plan

Infrastructure Projects

Stormwater and Nonpoint Source

Durham
- Littlehale Brook at Edgewood Road Culvert Replacement ($822,500)
- Littlehale Brook at Madbury Road Culvert Replacement ($822,500)

Dover
-Henry Law Park Stormwater BMP ($3.62 M)

Exeter
- Westside Drive Area Utility Improvement ($3.7 M)

Keene
- Main Street Flood Management ($951,100)
- Drainage Lining ($920,800)

Newmarket
- New Road Stormwater Improvements ($1 M)

Infrastructure Projects

Watershed Management Plans

Derry
- Big Island Pond ($97,240)
- Hoods Pond ($98,680)

Hollis
- Silver Lake ($100,00)

Kingston
- Kingston Lake ($100,00)

Lebanon
- Mascoma Lake ($100,000)

Littleton
- Partridge Lake ($75,000)

Raymond
- Governors Lake ($100,000)

Salem
- Captains Pond Partial Plan ($75,000)

Wolfeboro
- Wolfeboro Bay ($100,000)

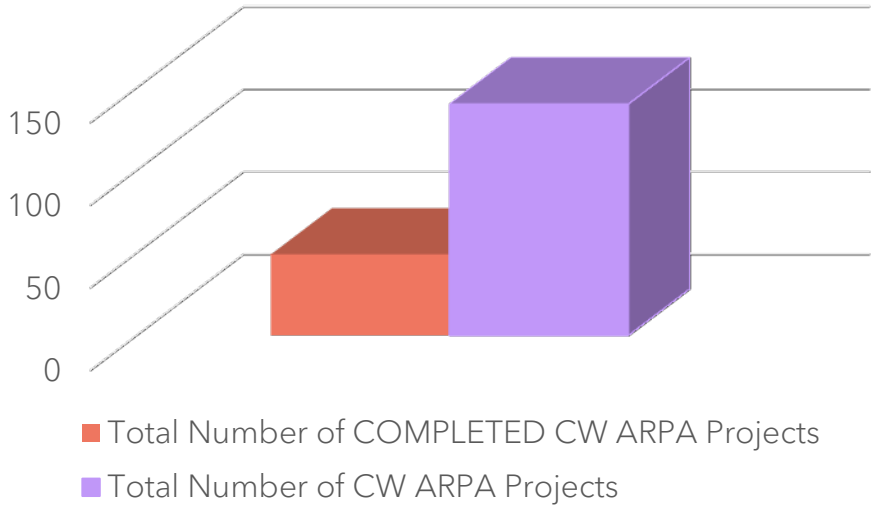
Project Summary

140 Projects

Received Clean Water ARPA Grant Funding

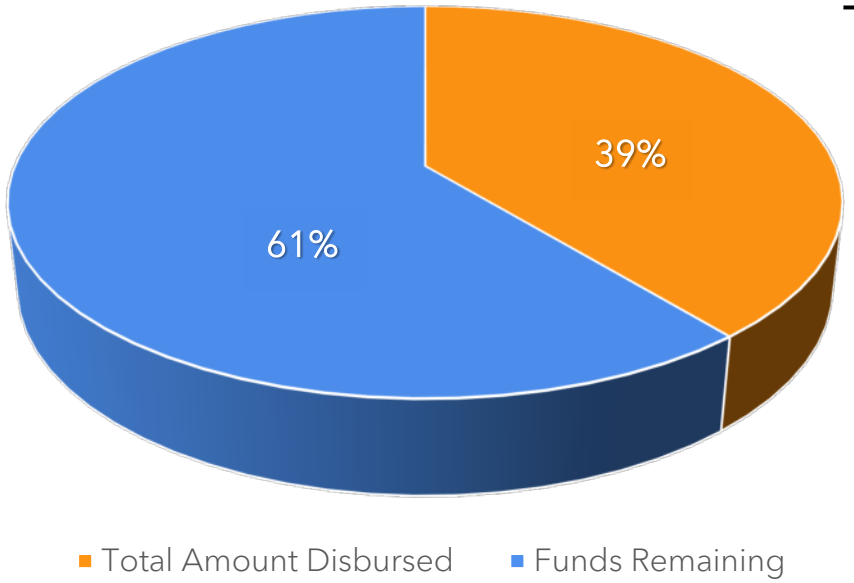
49 Projects

Have been Completed and/or Spent the Entirety of their ARPA Grant Award to Date



Updated: 8/28/2024

Clean Water ARPA Grant Award Summary



Total Clean Water ARPA Grant Awarded:

$57,396,376

Total Clean Water ARPA Grant Funds Disbursed to Date:

$22,405,579

Total Clean Water ARPA Grant Funds Remaining to Date:

$34,990,797

Updated: 8/28/2024

Clean Water ARPA Grant Award Breakdown by Program

Project Type (Program)	Number of Projects	Award Amount	Total Amount Disbursed	Funds Remaining
Asset Management	18	$840,000	$516,200	$323,800
Disadvantaged	24	$14,880,634	$2,748,719	$12,131,915
Energy Audit Measures Implementation	9	$1,678,100	$689,400	$988,700
Strategic	1	$1,000,000	$994,438	$5,562
Stormwater Infrastructure	5	$1,154,285	$417,494	$736,791
Stormwater Planning	10	$1,000,000	$708,152	$291,848
Wastewater Infrastructure	46	$32,908,570	$13,697,591	$19,210,979
Wastewater Planning	23	$2,248,950	$1,644,472	$604,478
Stormwater/Wastewater Planning & Infrastructure	5	$1,685,837	$989,112	$696,725

Updated: 8/28/2024

2024 CWSRF Funding & Additional Subsidy

Bipartisan Infrastructure Law (BIL)

Capitalization Grants	Additional Subsidy
• (1) Base • (2) Supplemental • (3) Emerging Contaminants	• Affordability • Sustainability

2024 CWSRF Funds

Loan Repayments	$57.4 M
Federal CWSRF Grants	$33.0 M
State Match	$6.2 M
Total	$96.6 M

Additional Subsidy	$16.5 M
40% Base Grant (10% min., 40% max.)	
49% Supplemental Grant (Affordability)	
100% Emerging Contaminants	

2024 CWSRF PPL Summary

Project Type	# Pre-Apps	Total $
Wastewater Infrastructure	69	$620,834,865
Sewer Extensions	3	$20,569,000
Stormwater Infrastructure	9	$29,868,668
Wastewater Planning	42	$3,016,200
Stormwater Planning	20	$1,395,000
Asset Management	8	$317,250
Energy Audit Measures	2	$766,000
Emerging Contaminants	5	$8,130,000
Totals:	***158***	***$684,896,983***

Principal Forgiveness for Affordability Factors: 10%, 20%, 25% or 35%

CWSRF Emerging Contaminants

➢Focus on PFAS

- $935,000 in 2022
- $2.125M each FY 23-26
- Loan w/100% Forgiveness

➢Project Type

- Treatment of Landfill Leachate (Municipally Owned Landfills to Municipal WWTFs)
- Projects that Evaluate and Demonstrate Regional or State-wide Solutions to Eliminate PFAS in Wastewater Residuals

Rethink funding – see the BIG picture

"If we only use $5 for marketing, advertising and operations, we have enough to get a pizza for lunch."

Case Study: Rising Costs & Labor Demands

Situation: Dewatering & Septage Facilities

- Aging infrastructure
- High labor demand
- Rapidly rising chemical costs

Problems:

- Additional staff needed (~$85K per year)
- Alum & Ferric cost (~$130K per year)

Case Study: Rising Costs & Labor Demands

Solution:

- Replace old dewatering presses
  - Eliminate need for new labor
  - Reduce chemical demand/cost
- Modernize septage receiving
  - Provide capacity to receive/treat more
  - Increase revenue

Case Study: Rising Costs & Labor Demands

Outcome of Dewatering / Septage Project:

- Additional staff capacity without new hire
- Chemical costs cut by 2/3
- Lower septage rate, 7X revenue increase

Case Study: Rising Costs & Labor Demands

<u>Outcome of Dewatering / Septage Project:</u>

2023 Math:
Debt Payment = ($186,035)
Avoided Expenses = $215,000
Net Septage Revenue = $595,608

Net Project Savings (Revenue) = $624,573

Dewatering & Septage Receiving Project

<u>Deep Dive Review:</u>

#1: Strategic planning
#2: Investment & Return
#3: Public Relations

Explore ALL Funding Options

* CWSRF
* USDA RD
* CDBG
* Northern Borders
* NFWF LISFF
* NFWF NCRF
* SAG
* Etc.

Common Grant and Loan Wastewater Funding Opportunities (nh.gov)

Wastewater State Aid Grant (SAG)

RSA 486

- 20 – 30 % state grant contribution for municipalities towards principal and interest, up to 50% w/SAG Plus
- Steps for communities seeking funding
  - Follow SAG requirements from concept to completion
  - Submit pre-applications each year
  - NEW RULE UPDATE (HB2, 2023 Session): 486:7 Application for Funding. ***Final applications must be received within one year of final completion of project to be eligible for funding.***
- HB398 – 2021 Session – New Awards
  - $5,735,248 FY ending June 30, 2023
  - $6,919,115 FY ending June 30, 2024
  - Nonlapsing
  - Effective July 1, 2022
  - $7.7M Remaining for NEW Awards
- SB492 – 2024 Session -
  - Delete “intercepting” throughout statute
  - Effective July 1, 2024

Understand the value and importance of your work and the infrastructure you own and/or manage

Thank you!

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