

**ANNUAL REPORT OF LOAN AWARDS  
THE VERMONT  
ENVIRONMENTAL PROTECTION AGENCY (EPA)  
POLLUTION CONTROL REVOLVING FUND  
ALSO KNOWN AS THE CLEAN WATER STATE REVOLVING FUND (CWSRF)**

STATE FISCAL YEARS 2018 - 2019

Title 24 VSA, Section 4753a (a)

Submitted to the Vermont General Assembly By:

Department of Environmental Conservation

Agency of Natural Resources

January 15, 2019

Agency of Natural Resources

Department of Environmental Conservation

Annual Report of Loan Awards

The Vermont Environmental Protection Agency (EPA) Pollution Control Revolving Fund

State Fiscal Years 2018 – 2019

The following report is submitted pursuant to Title 24 V.S.A, Section 4753a(a), which requires the Secretary of the Agency of Natural Resources to provide the general assembly with an annual summary of loan awards made during the prior and current fiscal years from the pollution control revolving fund established by Title 24 V.S.A Section 4753, and to report on and seek legislative approval for all types of projects for which awards are proposed to be made from the funds for the balance of the current and subsequent fiscal year.

Attached are four tables summarizing loan awards and project types financed through the Vermont Environmental Protection Agency (EPA) Pollution Control Revolving Fund, a.k.a. the Clean Water State Revolving Fund (CWSRF).

- Table 1: Consists of CWSRF loan awards made during state fiscal year 2018.
- Table 2: Which is divided into 2A and 2B, is a summary of loan awards thus far during state fiscal year 2019 and those that are pending at this time, respectively.
- Table 3 is a listing of the remaining projects anticipated to be funded in state fiscal year 2019, which may change somewhat due to projects being removed and/or dollar amounts adjusted before finalization, plus potential projects in fiscal year 2019 and potential loan awards in state fiscal year 2020.
- Table 4 is a list of the types of projects generally eligible to receive funding through the CWSRF.

**TABLE 1****CWSRF PROJECTS FUNDED DURING STATE FISCAL YEAR 2018**

<b>Award Date</b>	<b>Loan Recipient</b>	<b>Project Description</b>	<b>Loan Amount</b>
7/19/2017	Springfield, Town of	Jones & Lamson Building Combined Sewer Overflow Abatement Project Engineering	\$146,130
8/9/2017	Bellows Falls, Village of	Sewer Improvements to Hadley, Oak, and Chase Streets	\$377,500
8/15/2017	Springfield, Town of	Jones & Lamson Building Combined Sewer Overflow Abatement Project Construction	\$1,572,823
8/23/2017	Montpelier, City of	Northfield Street Sewer Improvements	\$1,813,475
12/11/2017	Cavendish, Town of	Wastewater Treatment Plant Aeration System Refurbishment	\$28,600
1/16/2018	Winooski, City of	Winooski Wastewater Treatment Plant Headworks Upgrade	\$12,800
2/2/2018	Rochester, Town of	Community On-Site Wastewater System: Site 1 and Site 3 Renovation	\$473,932
2/12/2018	Castleton, Town of	Vermont Route 30 Sewers	\$522,200
2/23/2018	Ryegate, Town of	Community Wastewater Treatment System Filter Bed #2 Replacement	\$61,026
3/12/2018	Brandon, Town of	Park Street Wastewater Improvements	\$9,650
3/26/2018	Town of Waitsfield	Waitsfield Decentralized Wastewater Disposal System Community Loan Program Construction	\$502,228
4/2/2018	Winooski, City of	Main Street Revitalization (Wastewater and Stormwater Improvements)	\$213,276

**TABLE 1****CWSRF PROJECTS FUNDED DURING STATE FISCAL YEAR 2018**

<b>Award Date</b>	<b>Loan Recipient</b>	<b>Project Description</b>	<b>Loan Amount</b>
4/24/2018	Bridgewater, Town of	Wastewater Treatment Plant and Pump Station 20 Year Evaluation and Refurbishment Planning	\$5,000
4/24/2018	Shelburne, Town of	Wastewater Collection System Evaluation and Improvements	\$1,699,353
4/25/2018	Saint Albans, Town of	Wastewater Treatment Plant Refurbishment Project & Total Phosphorus Upgrade	\$5,347,269
5/2/2018	Pittsford, Town of	Depot Hill Rd Sewer and Pump Station Improvements and WWTF Control Improvements	\$7,600
5/30/2018	Saint Johnsbury, Town of	Pleasant St and Gilman Rd Combined Sewer Overflow Abatement	\$123,600
6/4/2018	South Burlington, City of	Hadley Road Sewer Service Area Wastewater Refurbishment and Combined Sewer Overflow Abatement	\$306,720
6/15/2018	North Branch Fire District #1	Wastewater Treatment and Disposal Improvements	\$4,419,902
6/26/2018	Proctor, Town of	Ormsbee Ave Wastewater and Stormwater Improvements Project	\$637,483
6/27/2018	Fair Haven, Town of	Wastewater Treatment Plant Refurbishment	\$34,600
6/27/2018	Fair Haven, Town of	River Street Sewer System Improvements	\$19,400
<b>Total</b>			<b>\$18,334,567</b>

**TABLE 2A****CWSRF PROJECTS FUNDED DURING STATE FISCAL YEAR 2019****As of 10/31/2018**

<b>Award Date</b>	<b>Loan Recipient</b>	<b>Project Description</b>	<b>Loan Amount</b>
7/2/2018	Berlin, Town of	Paine Turnpike North Wastewater Improvements Project	\$42,415
7/24/2018	Brandon, Town of	Wastewater Treatment Plant and Collection System Evaluation	\$29,500
8/13/2018	Bennington, Town of	Wastewater Treatment Plant Refurbishment: Rotating Biological Contactor Replacement Project	\$3,643,560
9/21/2018	Saint Albans, City of	Combined Sewer Overflow Long Term Control Plan	\$57,300
9/24/2018	Bennington, Town of	Bennington Wastewater Treatment Plant Refurbishment	\$5,967,600
10/1/2018	Winooski, City of	Winooski Wastewater Treatment Plant Headworks Upgrade	\$82,600
10/9/2018	South Burlington, City of	Hadley Road Sewer Service Area Wastewater Refurbishment and Combined Sewer Overflow Abatement	\$2,673,280
10/9/2018	West Windsor, Town of	Wastewater Infrastructure Asset Management Plan	\$13,500
10/15/2018	Cavendish, Town of	Wastewater Treatment Plant Aeration System Refurbishment	\$826,650
10/23/2018	Middlebury, Town of	Wastewater Treatment Plant Evaluation and Planning	\$140,000
10/23/2018	Colchester, Town of	Malletts Bay Sewer Extension	\$250,000
10/29/2018	Hinesburg, Town of	Wastewater Treatment Plant Evaluation, Refurbishment, and Upgrade	\$62,400
10/30/2018	Rochester, Town of	Community On-Site Wastewater System: Site 1 and Site 3 Renovation	\$20,000
<b>Total</b>			<b>\$13,808,805</b>

**TABLE 2B****PENDING CWSRF PROJECT FUNDING DURING STATE FISCAL YEAR 2019****As of 10/31/2018**

<b>Award Date</b>	<b>Loan Recipient</b>	<b>Project Description</b>	<b>Loan Amount</b>
PENDING	Whitingham, Town of	Preliminary Engineering - Wastewater Treatment Plants (2) Refurbishment	\$69,436
PENDING	Sheldon, Town of	Preliminary Engineering - Wastewater Treatment Facility Evaluation and Planning	\$13,500
PENDING	West Windsor, Town of	Preliminary Engineering - Wastewater Infrastructure Asset Management Planning	\$14,000
PENDING	Northfield, Town of	Preliminary Engineering – North and South Main Street Combined Sewer Overflow Abatement and Stormwater Improvements Project	\$36,480
PENDING	Hartford, Town of	Preliminary Engineering - Hartford Main and Gates Streets Stormwater and Wastewater Improvements	\$300,000
PENDING	Hyde Park, Village of	Preliminary Engineering - Wastewater Collection System Assessment	\$35,000
PENDING	Ludlow, Village of	Final Design - Wastewater Treatment Facility 20-Yr Evaluation	\$190,200
PENDING	Hyde Park, Village of	Final Design – Community Wastewater System Planning	\$50,660
PENDING	Brandon, Town of	Final Design - Park Street Wastewater Improvements Project	\$16,275
PENDING	Hartford, Town of	Construction - White River Junction Stormwater Improvements	\$48,600
PENDING	Derby Line, Village of	Construction – Rock Island (Quebec) Wastewater Treatment Plant Refurbishment (costs prorated to Derby Line share)	\$2,000,000
PENDING	Shelburne, Town of	Construction - Sewer Collection System Improvements	\$183,000
PENDING	Castleton, Town of	Construction - Route 30 Sewer Improvement Project	\$75,000
<b>Total Pending</b>			<b>\$3,032,151</b>

**TABLE 3****POTENTIAL CWSRF LOAN AWARDS FOR STATE FY 2019 & 2020**

<b>Municipality</b>	<b>Project Description</b>	<b>Project Type</b>	<b>2019 SRF Loan Need Step I</b>	<b>2019 SRF Loan Need Step II</b>	<b>2019 SRF Loan Need Step III</b>	<b>2020 SRF Loan Need Step III</b>
<b>Addison, Town of</b>	Addison Community Wastewater System	NPS - Individual/Decentralized Systems			498,000	
<b>Barre, City of</b>	WWTF 20-Year Evaluation	CWT - Advanced Treatment	175,000	350,000	6,500,000	
<b>Barre, City of</b>	Biosolids Improvements	CWT - Advanced Treatment	27,600	55,200	408,600	
<b>Berlin, Town of</b>	Paine Turnpike North - Wastewater Improvements Project	CWT - Sewer System Rehabilitation		90,000	1,722,210	
<b>Brattleboro, Town of</b>	Retreat and Wilson Woods Pump Station Upgrades	CWT - Sewer System Rehabilitation	12,000	38,000	700,000	
<b>Bristol, Town of</b>	Bristol Wastewater Treatment and Disposal System Upgrade	CWT - Advanced Treatment				628,000
<b>Burlington, City of</b>	Citywide Gravity Pipe Assessment and Rehabilitation	CWT - Sewer System Rehabilitation		200,000	9,900,000	
<b>Burlington, City of</b>	Integrated Water Quality Management	CWT - CSO Correction				6,750,000
<b>Burlington, City of</b>	WWTP Process and/or Capital Equipment Infrastructure Upgrades	CWT - Advanced Treatment				38,000,000
<b>Burlington, City of</b>	Stormwater Outfall Repair	Stormwater - Gray Infrastructure				2,920,000
<b>Castleton, Town of</b>	Crystal Heights Sewer	CWT - New Collector Sewers				450,000
<b>Chester, Town of</b>	Chester Stormwater System Development	Stormwater - Gray Infrastructure	20,000	70,000	920,000	
<b>Colchester, Town of</b>	Malletts Bay Sewer Project	CWT - New Collector Sewers		900,000	15,500,000	
<b>Fair Haven, Town of</b>	River Street Sewers and Storm	Stormwater - Green Infrastructure		50,000	600,000	

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<b>Fair Haven, Town of</b>	Wastewater Treatment Facility Refurbishment	CWT - Secondary Treatment		100,000	2,000,000	
<b>Fairfax, Town of</b>	Fairfax Wastewater Treatment Facility Upgrade	CWT - Secondary Treatment	63,000	117,000	1,840,000	
<b>Hartford, Town of</b>	White River Junction Downtown Stormwater Improvements	Stormwater - Gray Infrastructure			700,000	
<b>Hartford, Town of</b>	South Main Street, Gates Stormwater & Wastewater Improvements	Stormwater - Gray Infrastructure			900,000	
<b>Hyde Park, Village of</b>	Wastewater System Improvements	NPS - Individual/Decentralized Systems			751,300	
<b>Ludlow, Village of</b>	WWTF Upgrade	CWT - Secondary Treatment			1,860,000	
<b>Lyndon, Town of</b>	Pinehurst Street Sewer Replacement	CWT - Sewer System Rehabilitation	10,000	60,000	430,000	
<b>Middlebury, Town of</b>	CSO Abatement for Pump Stations #3 and #9	CWT - CSO Correction			600,000	
<b>Montpelier, City of</b>	Montpelier WRRF Upgrade	CWT - Advanced Treatment				8,000,000
<b>Northfield, Village of</b>	Main St. CSO Elimination and Drainage Separation	CWT - CSO Correction		106,000	2,277,000	
<b>Pittsford, Town of</b>	Depot Hill Rd Sewer and PS and WWTF Control Improvements	CWT - Sewer System Rehabilitation	2,815	33,435	529,050	
<b>Proctor, Town of</b>	Willow Street Pump Station	CWT - Sewer System Rehabilitation				425,000
<b>Richmond, Town of</b>	Richmond East Main Street Enhancements Project	Stormwater - Gray Infrastructure		100,000	1,000,000	



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<b>Rutland, City of</b>	Smart Control Installation @ Calvary Cemetery CSO Structure	CWT - CSO Correction	20,000	30,000	325,000	
<b>Rutland, City of</b>	Northwest Neighborhood Sewer Separation Project 1A	CWT - CSO Correction		25,000	1,425,000	
<b>Rutland, City of</b>	Meadow Street CSO Abatement Project	Stormwater - Gray Infrastructure	25,000	50,000	618,750	
<b>Rutland, City of</b>	Upper Crescent Street Stormwater System Upgrade & Treatment	Stormwater - Gray Infrastructure	5,000	15,000	305,000	
<b>Rutland, City of</b>	Stormwater Management System on Easterly Avenue	Stormwater - Green Infrastructure		40,000	685,000	
<b>Rutland, City of</b>	Vernon Street Stormwater Separation & CSO Replacement	CWT - CSO Correction	45,000	90,000	1,517,000	
<b>Rutland, City of</b>	Digester Cover Rehab/Replacement & Digester Building Upgrades	CWT - Advanced Treatment	73,000	150,000	2,577,000	
<b>Rutland, City of</b>	Strong's Avenue Stormwater Treatment & Detention System	Stormwater - Green Infrastructure				900,000
<b>Saint Albans, City of</b>	Lower Weldon CSO	CWT - CSO Correction				1,100,000
<b>Saint Johnsbury, Town of</b>	Pleasant Street and Gilman Avenue CSO	CWT - CSO Correction	118,000	205,000	2,877,000	
<b>Shelburne, Town of</b>	Shelburne Town Center Campus Stormwater Improvements	Stormwater - Green Infrastructure			400,000	

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<b>South Burlington, City of</b>	Kennedy Drive Pond 3 Expansion & Gravel Wetland Retrofit	Stormwater - Green Infrastructure			310,000	
<b>Whitingham, Town of</b>	Whitingham Plant 20-Yr Evaluation	CWT - Secondary Treatment		50,000	575,000	
<b>Whitingham, Town of</b>	Jacksonville Plant 20-Yr Evaluation	CWT - Secondary Treatment		50,000	575,000	
<b>Winooski, City of</b>	Winooski WWTF Headworks Upgrade	CWT - Secondary Treatment			1,104,000	
<b>Winooski, City of</b>	Main Street Revitalization Project	CWT - Infiltration/Inflow	213,276	300,000	3,000,000	
<b>Total</b>			<b>809,691</b>	<b>3,274,635</b>	<b>65,929,910</b>	<b>59,173,000</b>

Step I – Preliminary Engineering

Step II – Final Design

Step III – Construction

**TABLE 4  
PROJECT TYPES MAY BE FUNDED  
VERMONT ENVIRONMENTAL PROTECTION AGENCY (EPA) POLLUTION  
CONTROL REVOLVING LOAN FUND**

<b>PROJECT TYPES</b>
<b>Enlargement</b> - Increase in treatment plant hydraulic and/or organic capacity
<b>Upgrade</b> - Improvements to wastewater treatment facility (WWTF) processes and units with or without capacity increase
<b>Refurbishment</b> - Plant or sewer collection system renovation
<b>Combined Sewer Overflow Abatement</b> - Storm sewer/sanitary sewer separation, storage and/or treatment to abate pollution
<b>Sewer Extension</b> - Sewer system extension to abate existing pollution or to serve new areas
<b>New Wastewater Treatment Facility</b> - Construction of new wastewater collection, treatment, and disposal systems
<b>I/I Correction</b> - Improvements to reduce infiltration/inflow in the collection system
<b>Storm Water Treatment</b> - Stormwater management facilities necessary to remedy or prevent pollution of surface water or groundwater
<b>Individual and Cluster Type On-site Systems</b> - Construction of privately-owned on-site wastewater disposal/treatment systems with municipal design/construction oversight and long-term operating and maintenance agreement between owner and municipality (Note: Cluster systems are on-site systems serving more than one residence)
<b>Clean Water Project:</b> This includes federally and state eligible projects that provide a water quality benefit such as energy or water conservation, contaminated sites projects, and groundwater or surface water protection projects.
<b>Natural Resources Project:</b> This means a project to protect, conserve, or restore natural resources, including the acquisition of easements and land, for the purpose of providing water quality benefits. Examples include conservation easements, wetland reconstruction, or unsafe dam removal.
<b>All projects are municipally owned unless otherwise noted.</b> With the passage of Act 185 of 2018, private entities are now eligible to receive CWSRF loans, with certain limitations and restrictions, including that no private clean water project can be prioritized above a municipal clean water project.