

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

STATE FISCAL YEARS 2017 - 2018

Title 24 VSA, Section 4753a (a)

Submitted to the Vermont General Assembly By:

Department of Environmental Conservation

Agency of Natural Resources

January 15, 2018

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 2017 – 2018

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.

Table 1 consists of loan awards made during fiscal year 2017. Table 2 consists of awards made thus far during fiscal year 2018 and those that are pending and expected to be awarded during fiscal year 2018. Table 3 is a listing of the remaining planning and construction projects anticipated to be funded in fiscal year 2018 and potential construction funding in 2019, which may change somewhat due to projects being removed and/or dollar amounts adjusted before finalization, and potential projects in fiscal year 2018. Table 4 is a list of the types of projects eligible to receive funding through the CWSRF.

| <b>TABLE 1</b>   |                                     |  |                    |
|--|-------------------------------------|--|--------------------|
| <b>CWSRF PROJECTS FUNDED DURING STATE FISCAL YEAR 2017</b> |                                     |  |                    |
| <b>Award Date</b>  | <b>Loan Recipient</b>               | <b>Project Description</b>   | <b>Loan Amount</b> |
| 7/5/16   | Montpelier, City of,<br>RF1-191-1.0 | Planning – WWTF Refurbishment  | 51,300             |
| 7/15/16  | Montpelier, City of,<br>RF1-190-1.0 | Planning – East State St. CSO  | 29,616             |
| 7/25/16  | Proctor, Town of,<br>RF1-194-1.0    | Planning – Willow St. Pump<br>Station                                    | 20,300             |
| 8/1/16   | Shelburne, Town of,<br>RF1-186-1.0  | Planning – Collection System<br>Evaluation and Improvements              | 37,800             |
| 8/1/16   | Putney, Town of<br>RF1-189-1.0      | Planning – Asset Management Plan   | 27,250             |
| 8/15/16  | Rutland, City of,<br>RF1-193-1.0    | Planning – H&H CSO Modeling  | 251,022            |
| 9/1/16   | Addison, Town of,<br>RF1-195-2.0    | Final Design – Community<br>Wastewater System Development                | 50,000             |
| 9/15/16  | Royalton, Town of,<br>RF1-138-2.0   | Final design – Wastewater<br>Treatment Facility (WWTF)<br>Refurbishment. | 152,200            |

| <b>TABLE 1</b>   |   |  |                    |
|--|---|--|--------------------|
| <b>CWSRF PROJECTS FUNDED DURING STATE FISCAL YEAR 2017</b> |   |  |                    |
| <b>Award Date</b>  | <b>Loan Recipient</b>                       | <b>Project Description</b>   | <b>Loan Amount</b> |
| 9/26/16  | Springfield, Town of,<br>RF1-184-2.0        | Final Design – J&L CSO Project   | 177,100            |
| 10/1/2016  | Montpelier, City of,<br>RF1-192-1.0         | Planning – Northfield St. Sewer Improvements   | 36,680             |
| 10/15/16   | Saint Johnsbury,<br>Town of,<br>RF1-153-2.3 | Final Design (Amendment) –<br>WWTF and Pump Station<br>Refurbishment and Oak St. CSO | 80,250             |
| 10/15/16   | Hartford, Town of,<br>RF1-188-1.0           | Planning – Collection System<br>Baseline Mapping                                     | 242,000            |
| 1/24/17  | Williston, Town of,<br>RF1-179-3.2          | Construction (Amendment) – Rte.<br>2A Gravity Sewer Pipe<br>Replacement              | 132,292            |
| 1/24/17  | Burlington, City of,<br>RF1-187-1.0         | Planning – Gravity Pipe<br>Assessment  | 997,204            |
| 1/25/17  | Bennington, Town of,<br>RF1-198-1.0         | Planning – WWTF Refurbishment  | 32,400             |
| 4/3/17   | Castleton, Town of,<br>RF1-201-2.0          | Final Design – Rte. 30 Sewer<br>Improvements   | 17,800             |

| <b>TABLE 1</b>   |   |   |                    |
|--|---|---|--------------------|
| <b>CWSRF PROJECTS FUNDED DURING STATE FISCAL YEAR 2017</b> |   |   |                    |
| <b>Award Date</b>  | <b>Loan Recipient</b>                         | <b>Project Description</b>  | <b>Loan Amount</b> |
| 4/10/17  | Jeffersonville, Village of,<br>RF1-199-1.0    | Planning – WWTF Evaluation  | 24,800             |
| 5/25/17  | North Branch Fire District #1,<br>RF1-197-2.0 | Final Design – Wastewater Treatment and Disposal Improvements                     | 280,097            |
| 6/6/17   | Rochester, Town of<br>RF1-207-1.0             | Planning – Site 1 and Site 3 Renovation   | 11,068             |
| 6/8/17   | Hyde Park, Village of,<br>RF1-200-1.0         | Planning – Wastewater System Evaluation and Planning                              | 42,700             |
| 6/9/17   | Burlington, City of,<br>RF1-196-1.0           | Planning – Integrated Stormwater and Wastewater Planning and Early Implementation | 600,000            |
| 6/13/17  | Shelburne, Town of,<br>RF1-186-2.0            | Final Design – Collection System Evaluation and Improvements                      | 94,000             |
| 6/13/17  | Cavendish, Town of,<br>RF1-206-1.0            | Planning – WWTF Aeration System Refurbishment                                     | 9,750              |

| <b>TABLE 1</b>   |   |   |                    |
|--|---|---|--------------------|
| <b>CWSRF PROJECTS FUNDED DURING STATE FISCAL YEAR 2017</b> |   |   |                    |
| <b>Award Date</b>  | <b>Loan Recipient</b>                     | <b>Project Description</b>  | <b>Loan Amount</b> |
| 6/22/17  | Hartford, Town of,<br>RF1-202-1.0         | Planning – Quechee Utility<br>Mapping, Inventory, and Condition<br>Assessment | 300,000            |
| 6/22/17  | Derby Line, Village<br>of,<br>RF1-205-1.0 | Planning – Stanstead QC WWTF<br>Upgrade                                       | 12,500             |
| <b>Total</b>   |   |   | <b>3,710,129</b>   |

**TABLE 2****CWSRF PROJECTS FUNDED & PENDING DURING STATE FISCAL YEAR 2018**

| <b>Award Date</b>    | <b>Loan Recipient</b>                                | <b>Project Description</b>   | <b>Loan Amount</b> |
|----------------------|--|--|--------------------|
| 7/10/17              | Ryegate, Town of,<br>RF1-185-3.0                     | Construction – Filter Bed #2 Replacement                                   | 66,759             |
| 7/19/17              | Springfield, Town of,<br>RF1-184-3.0                 | Construction Engineering – J&L CSO<br>Construction Engineering             | 146,130            |
| 7/30/17              | Rochester, Town of<br>RF1-207-2.0                    | Final Design – Site 1 and Site 3<br>Renovation                             | 35,996             |
| 8/9/17               | Bellows Falls Village<br>Corporation,<br>RF1-180-3.0 | Construction – Sewer Improvements<br>Hadley, Oak, and Chase St.            | 377,500            |
| 8/15/17              | Springfield, Town of<br>RF1-203-3.0                  | Construction – J&L CSO Project   | 1,572,823          |
| 8/23/17              | Montpelier, City of,<br>RF1-192-3.0                  | Construction, Northfield St. Sewer<br>Improvements                         | 1,813,475          |
| 10/23/17             | Waitsfield, Town of<br>RF1-208-3.0                   | Construction - Waitsfield Decentralized<br>Wastewater Construction Program | 234,184            |
| <b>Total Awarded</b> |  |  | <b>4,246,867</b>   |

**TABLE 2****CWSRF PROJECTS FUNDED & PENDING DURING STATE FISCAL YEAR 2018**

| <b>Award Date</b>    | <b>Loan Recipient</b>                     | <b>Project Description</b>                                      | <b>Loan Amount</b> |
|----------------------|---|---|--------------------|
| Pending              | Castleton, Town of,<br>RF1-201-3.0        | Construction - Rte. 30 Sewer<br>Improvements                    | 522,200            |
| Pending              | Cavendish, Town of,<br>RF1-206-2.0        | Final Design – WWTF Aeration System<br>Refurbishment            | 26,800             |
| Pending              | Rochester, Town of,<br>RF1-207-3.0        | Construction – Site 1 and Site 3<br>Renovation                  | 437,936            |
| Pending              | Shelburne, Town of,<br>RF1-186-3.0        | Construction – Collection System<br>Evaluation and Improvements | 1,699,353          |
| Pending              | Winooski, City of,<br>RF1-213-1.0         | Planning – WWTF Headworks Upgrade                               | 12,800             |
| Pending              | Winooski, City of,<br>RF1-212-1.0         | Planning – Main St. Revitalization Project                      | 212,000            |
| Pending              | Bennington, Town of,<br>RF1-211-3.0       | Construction – WWTF RBC Replacement                             | 3,823,700          |
| Pending              | Proctor, Town of,<br>RF1-209-2.0          | Final Design – Ormsbee Ave.                                     | 62,000             |
| Pending              | South Burlington, City of,<br>RF1-210-2.0 | Final Design – Hadley Rd Sewer Service<br>Area Refurbishment    | 264,000            |
| Pending              | St. Albans, City of,<br>RF1-170-3.0       | Construction – WWTF Refurbishment &<br>TP Upgrade               | 6,727,800          |
| <b>Total Pending</b> |   |   | <b>13,788,589</b>  |



Table 3

## ADDITIONAL POTENTIAL CWSRF PROJECTS DURING STATE FY 2018 &amp; FY 2019

| Municipality        | Project Description   | Type      | 2018 Step I | 2018 Step II | 2018 Step III | 2019 Step III |
|---------------------|---|-----------|-------------|--------------|---------------|---------------|
| Addison, Town of    | Addison Community Wastewater System                           | NPS       |             |              |               | 498,000       |
| Barre, City of      | WWTF 20 Evaluation  | REF       | 75,000      |              |               |               |
| Barre, City of      | Digester Cover Refurbishment                                  | REF       | 15,000      | 30,000       |               | 700,000       |
| Barre, City of      | Trunkline and North Main St. wastewater improvements          | REF       | 65,000      |              |               |               |
| Bennington, Town of | WWTF Refurbishment  | REF       |             | 400,000      | 5,500,000     |               |
| Brandon, Town of    | Park St. WW and SW Piping Replacement                         | REF       | 26,700      | 53,500       |               |               |
| Bristol, Town of    | Bristol WWTF Upgrade  | ENL       | 5,775       | 32,025       | 469,581       |               |
| Burlington, City of | WWTP Process and/or Capital Equipment Infrastructure Upgrades | REF       | 1,000,000   |              |               | 2,100,000     |
| Burlington, City of | Integrated Water Quality Management Planning                  | SW        |             | 750,000      |               |               |
| Burlington, City of | Stormwater Outfall Assessment and Repair                      | NPS       | 100,000     |              |               | 250,000       |
| Burlington, City of | City-wide Gravity Pipe Assessment and Rehabilitation          | REF       |             |              |               | 4,325,000     |
| Castleton, Town of  | Crystal Heights Sewer   | Sewer Ext |             |              | 375,000       |               |
| Cavendish, Town of  | WWTP Aeration Refurbishment                                   | REF       |             |              | 750,000       |               |

Table 3

## ADDITIONAL POTENTIAL CWSRF PROJECTS DURING STATE FY 2018 &amp; FY 2019

| Municipality                     | Project Description                            | Type      | 2018 Step I | 2018 Step II | 2018 Step III | 2019 Step III |
|----------------------------------|--|-----------|-------------|--------------|---------------|---------------|
| Chester, Town of                 | Stormwater system development                  | SW        |             | 70,000       |               | 920,000       |
| Chittenden Solid Waste District  | Chittenden Regional Sludge Processing Facility | OTH       | 400,000     | 2,000,000    |               | 18,000,000    |
| Chittenden Solid Waste District  | Brewery Waste Diversion                        | OTH       | 5,000       | 10,000       |               | 180,000       |
| Colchester Town Fire District #2 | Malletts Bay Sewer Project                     | NPS       |             | 1,140,000    |               | 17,000,000    |
| Derby Line, Village of           | Stanstead Quebec WWTF Upgrade                  | REF       |             |              | 1,400,000     |               |
| Fair Haven, Town of              | Adams St. Pump Station                         | REF       | 40,000      |              |               | 450,000       |
| Fair Haven, Town of              | WWTF Refurbishment                             | REF       | 25,000      |              |               | 1,075,000     |
| Hartford, Town of                | South Main Street Stormwater Improvements      | SW        | 25,000      | 65,000       | 910,000       |               |
| Hartford, Town of                | Hartford White River Junction                  | SW        |             |              | 650,000       |               |
| Ludlow, Town of                  | High St. Infrastructure Improvements           | REF       |             |              | 310,000       |               |
| Ludlow, Town of                  | WWTF Refurbishment                             | REF       | 50,000      |              |               | 1,590,000     |
| Middlebury, Town of              | CSO Abatement                                  | CSO       | 50,000      |              |               | 950,000       |
| Milton, Town of                  | Milton Mobile Home Park                        | Sewer Ext | 20,000      | 150,000      | 1,500,000     |               |

Table 3

**ADDITIONAL POTENTIAL CWSRF PROJECTS DURING STATE FY 2018 & FY 2019**

| Municipality                  | Project Description                                | Type      | 2018<br>Step I | 2018<br>Step II | 2018<br>Step III | 2019<br>Step III |
|-------------------------------|--|-----------|----------------|-----------------|------------------|------------------|
| Montpelier, City of           | WWTF Refurbishment                                 | REF       |                | 250,000         | 4,500,000        |                  |
| North Branch Fire District #1 | WWTF Upgrade                                       | REF       |                |                 | 4,575,424        |                  |
| Northfield, Village of        | Main St. Drainage Separation                       | CSO       | 20,000         |                 |                  |                  |
| Pawlet, Town of               | RBC Assessment and Repair                          | REF       |                | 50,000          | 50,000           |                  |
| Pittsford, Town of            | Depot Hill Rd WW Pump Station                      | REF       |                | 20,000          | 455,600          |                  |
| Pittsford, Town of            | WWTF Process Modifications                         | REF       |                |                 | 70,000           |                  |
| Proctor, Town of              | Ormsbee Ave Sewer and Stormwater Improvements      | REF       |                |                 | 392,000          |                  |
| Proctor, Town of              | Willow St. Pump Station                            | REF       |                | 35,000          | 300,000          |                  |
| Richmond, Town of             | West Main St. Sewer Extension                      | Sewer Ext |                | 89,000          | 872,000          |                  |
| Rutland, City of              | Northwest Neighborhood CSO (Phase 1A)              | CSO       |                |                 | 1,910,000        |                  |
| Rutland, City of              | Vernon Street Sewer Abatement Project              | REF       | 7,500          | 12,500          |                  | 680,000          |
| Saint Albans, City of         | Lower Weldon CSO Abatement                         | CSO       | 40,000         | 100,000         |                  | 850,000          |
| Saint Johnsbury, Town of      | Oak St. Drainage area sewer and storm improvements | CSO       |                |                 | 1,528,400        |                  |

Table 3

ADDITIONAL POTENTIAL CWSRF PROJECTS DURING STATE FY 2018 & FY 2019

| Municipality              | Project Description                                      | Type | 2018 Step I | 2018 Step II | 2018 Step III | 2019 Step III |
|---------------------------|--|------|-------------|--------------|---------------|---------------|
| Shelburne, Town of        | WWTF Refurbishment                                       | REF  |             | 100,000      | 1,400,000     |               |
| South Burlington, City of | Hadley Road Sewer Service Area Refurbishment             | REF  |             |              | 2,050,000     |               |
| South Burlington, City of | Lane Press Pump Station & Force Main Upgrade             | REF  |             | 290,000      |               | 2,340,000     |
| South Burlington, City of | Bartlett Bay Wastewater Treatment Facility Refurbishment | REF  |             |              |               | 400,000       |
| Total                     |  |      | 1,969,975   | 5,647,025    | 29,968,005    | 52,308,000    |

Abbreviations as used in Table 2 above:

Step I - Preliminary Engineering

Step II - Final Design

Step III - Construction

SW - Stormwater

CSO - Combined Sewer Overflow Abatement

NPS - Non-Point Source (soils-based wastewater systems)

REF - Refurbishment

ENL - Enlargement

OTH - Other

**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>All projects are municipally owned unless otherwise noted</b>   |