VERMONT

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Agency of Natural Resources

Municipal Pollution control Projects Priority List for State FY2016
And
Federal FY2015 Clean Water Intended Use Plan

Municipalities and Interested Parties:

On January 27, 2015, the Department notified municipalities and other interested parties to apply to be included on the Municipal Pollution Control Projects Priority List for State Fiscal Year 2016, and to attend an initial public hearing to be held on April 7, 2015. On April 3, 2015, a draft priority list was sent to the same parties with a reminder about the public hearing. A Public Responsiveness Summary has been prepared to address oral and written comments received by the Department at the public hearing and through the comment period. The Public Responsiveness Summary is attached.

Pursuant to the authority provided in the State of Vermont Municipal Pollution Control Priority System, the Department of Environmental Conservation has adopted the Priority List as it appears on the following sheets. The Municipal Pollution Control Projects Priority List for state FY2016 indicates those projects the Department anticipates will be receiving state and/or federal funding through the end of state FY2016 and until the FY2017 list is adopted. The sheets also include the Planning List, which shows projects anticipated to be funded from FY2017 through FY2025. The Planning List presents those projects potentially funded from grant programs or the revolving loan program over the next ten state fiscal years, and are based on anticipated federal and state appropriations.

If you have any questions or desire clarification, please contact Winslow Ladue at (802) 498-7374 or by email at wiinslow.ladue@state.vt.us, or Eric Blatt at (802) 585-4901 or by email at eric.blatt@state.vt.us.

Sincerely,

David Mears, Commissioner
Department of Environmental Conservation

VERMONT AGENCY OF NATURAL RESOURCES
DEPARTMENT OF ENVIRONMENTAL CONSERVATION

State FY 2016 Municipal Pollution Control Projects Priority List
and Federal FY 2015 Clean Water Intended Use Plan

General Information

1. Project priority points awarded in accordance with the Department's Municipal Pollution Control Priority System are listed in the FY 2016 Pollution Control Projects Priority List.

2. Priority points are assigned to projects on the Planning List when these projects are proposed for the priority list. Whether all construction projects ready to proceed in a particular year will be funded depends on the amount of funds allocated to the program by the Vermont legislature and through the federal capitalization grant for the Clean Water State/EPA Revolving Loan Fund (CWSRF). Planning projects are not funded in order of their priority, but rather at a rate necessary to bring sufficient projects to the implementation phase to use all of the anticipated grant and loan funds each year.

3. The Ecosystem Restoration Program calls for the funding of Phosphorus Removal Projects at wastewater treatment plants which are identified as requiring reduced phosphorus discharge limits in the Lake Champlain Phosphorus TMDL Report. Funds have been provided for this purpose in the 2005 through 2016 Capital Bills.

4. Appearance of projects on the Projects Priority List indicates eligibility for funding assuming all other requirements are met. The dollar amounts may change from those listed as project costs change

VERMONT

CLEAN WATER INTENDED USE PLAN

FEDERAL FISCAL YEAR 2015 FUNDS

June 30, 2015; Updated 7/30/2015

A. Introduction

Vermont sends to the U.S. Environmental Protection Agency (EPA), as part of its annual application for a Clean Water Capitalization Grant under Title VI of the Water Quality Act of 1987 (the Act), a Clean Water Intended Use Plan (CWIUP) to meet the requirements of Section 606(c) of the Act and the Clean Water Capitalization Grant Agreement. The CWIUP serves as the planning document to explain how each fiscal year's appropriation for the Vermont – EPA Clean Water State Revolving Fund (CWSRF) will be used.

B. Short Term Goals and Objectives

(1) To provide local government with low cost financial assistance.

(2) To coordinate NPDES permit schedules with anticipated award of CWSRF loans such that projects are brought into preliminary and final planning in time to assure their readiness to proceed to construction when capitalization grant funds become available.

(2) To develop any rules, guidance or procedures necessary to implement the Vermont - EPA pollution control revolving fund.

(4) To coordinate state funded programs for wastewater treatment facilities with activities of the CWSRF.

(5) To provide effective program management to ensure integrity of the CWSRF.

(6) To expedite project development, funding and cash draws.

(7) To address issues raised by US EPA Region One concerning the administration of the CWSRF.

C. Long Term Goals and Objectives

The primary long term goal of the CWSRF is to provide financial assistance to Vermont municipalities to fund the completion of all known enforceable requirements of the Act.

The second long term goal of the CWSRF is to ensure the fund operates in perpetuity to provide continuing financial assistance to Vermont municipalities for future pollution control needs. Future needs may include new wastewater treatment facility construction, existing facility enlargement or refurbishment, sewer extensions, combined sewer overflow abatement, sludge and septage treatment and disposal, stormwater management facilities, advanced waste treatment determined necessary to meet water quality standards, and other projects deemed necessary for pollution control.

State grants may be available for certain projects in addition to CWSRF loans. Combined sewer overflow (CSO) abatement projects presently receive a CWSRF loan in the amount of 50% of the total eligible project cost, and a 25% construction grant from state funds when available. The remaining 25% of project funds may come from local bond issues or in cases where federal subsidies are authorized may come from a CWSRF loan. Certain sludge and septage treatment and disposal projects presently qualify for a mix of 50% CWSRF loan and a 50% state grant on eligible project costs. When sufficient state capital funds cannot be secured to provide the grants, it may be necessary to fund CSO and sludge and septage projects with a loan on the total project in order to assure the most beneficial use of the federal loan funds.

Other eligible projects will receive CWSRF loans on 100% of eligible project costs. Such eligible projects include: sewer extensions, facility enlargement and refurbishment, and sludge and septage treatment improvements and disposal that do not qualify for state grant funding.

The department received legislative approval, beginning in state FY2016, to mirror federal authorities allowing for a loan term up to 30 years or the useful life of the assets. Useful life to be determined based on a weighted average of project assets funded.

Although the CWSRF may be used for the refinancing of local debt obligations incurred after March 7, 1985, Vermont does not intend to use the fund in this way until all necessary pollution control projects have been constructed, unless there is compelling public benefit to be secured. The interest rate on CWSRF loans issued to refinance debt has been set at 80% of the average rate on marketable obligations of the state. All other CWSRF loans are currently issued at 0% interest. An administrative fee of up to 2% on construction loans took effect on July 1, 1999. Fee proceeds are deposited into a dedicated account separate from the CWSRF account, referred to as the administrative account. In the future, if funds held in the administrative account are in excess of that necessary to fund CWSRF program administration, some of those funds may be transferred to the CWSRF account for project funding. An anticipated fee income for 2016 is about $540,000. Historically, all fees collected were determined to be program income. After

October 1, 2014 only fees earned during the grant period from projects directly made available by the capitalization grant (equivalency projects) are program income.

D. CWSRF Capitalization Grants for Federal Fiscal Year 2015 and Future Years

The federal fiscal year 2015 capitalization grant allotment available to Vermont is $6,917,000 as authorized by the Act. One hundred thousand dollars is allocated to the federal 604b program leaving $6,817,000 for use as CWSRF loans and administrative costs. Vermont anticipates receiving the required match of $1,363,400. The Sources and Uses table below assumes the total needed match will be available. While the federal capitalization grant for future years is unknown at this time, it is assumed that the funding level will be similar to the level of funding in fiscal year 2015. Sources of funds and uses are listed below.

Sources

FFY15 CWSRF Capitalization Grant	$6,817,000
FFY15 CWSRF State Match	$1,363,400
Projected Repayments in FY2016	$10,115,254
Projected Interest in FY2016	$4,940
Carry-Forward (Loan Repayments, fund interest, balance of FFY14 federal grant & FFY14 state match)	$49,531,085
TOTAL	$67,831,679

Uses

Commitments	$67,831,679
Administrative	$400,000
TOTAL	$67,831,679

State matching funds listed above are raised annually through the State capital bill appropriations. The State matching funds will be deposited into the CWSRF in the month before the quarter when federal funds are requested consistent with the federal payment schedule in Section L of this IUP. The schedule for entering into binding commitments and timing of cash draws is contained on the attached grant application form, see Form 424, pg2. The CWSRF program will continue to comply with the Operating Agreement for Implementing and Managing the State Revolving Fund Program between the State of Vermont and US Environmental Protection Agency, Region I.

E. Criteria and Methods for Distribution of Funds

The Vermont General Assembly enacted Act 75 creating 24 V.S.A. Chapter 120 in the 1987 session, which established Vermont's CWSRF and set out certain priority criteria for the purpose of ranking prospective projects. The Municipal Pollution Control Priority System incorporates those criteria in addition to criteria required in federal construction grant regulations 40 CFR Section 35.915. Chapter 120 was amended in the 2007 session to increase the percentage of the fund which could be used for certain stormwater projects from 10% to 30%.

The Vermont CWSRF initiated operations in fiscal year 1989 and all initial financial assistance activities of the CWSRF have been in the form of loans. Loans will continue to be made in accordance with a project's priority list ranking as noted on the Priority List that is established annually through the Municipal Pollution Control Priority System.

The Pollution Control Project Planning List is intended to show anticipated construction and planning projects for the immediate ten-year period inclusive of state fiscal year 2016. We anticipate a large volume of projects and requests for funds in state fiscal years 2016 to 2025 which the fund will likely support. A cap on the CWSRF loan funds will not likely be needed at this time. Projects with stormwater projects and continued project status receive elevated priority when developing priority lists.

F. Use of Funds for Nonpoint Source Projects

This year there will be at least 1 nonpoint source project scheduled to be funded in the town of Addison.

G. Reallocated Funds

In the event funds are reallocated from the DWSRF to the CWSRF, or additional federal funds are made available beyond the anticipated amount, Vermont will advance these funds to the appropriate projects in accordance with this Intended Use Plan, and the Municipal Pollution Control Priority System.

H. Public Participation

Vermont follows public participation procedures in the development of the annual Pollution Control Priority List (PPL), the CWIUP and in the environmental review process. The CWIUP is typically developed and adopted annually along with the PPL using the same public participation procedure employed for adoption of the PPL. That procedure is outlined in the Municipal Pollution Control Priority System rule. Vermont implements public participation for specific projects through the environmental review for CWSRF funded projects in accordance with the department's Environmental Review Procedures for projects funded through the Vermont/EPA Revolving Loan Program. This procedure was approved by the EPA Regional Administrator in accordance with the August 2, 1989 CWSRF Operating Agreement between the State of Vermont and the U.S. Environmental Protection Agency, Region I. A summary of the public participation for this IUP is included with this application.

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Year 2016, and to attend an initial public hearing to be held on April 7, 2015. On April 3, 2015, a draft priority list was sent to the same parties with a reminder about the public hearing. A Public Responsiveness Summary has been prepared to address oral and written comments received by the Department at the public hearing and through the comment period. The Public Responsiveness Summary is included in Section P of this IUP.

I. Annual Report

In accordance with the requirements of Section 606(d) of the Act, Vermont will provide EPA with an Annual Report within 90 days of the end of the state fiscal year. The Annual Report contains information on how the state has met the goals and objectives of the previous fiscal year as stated in the IUP and grant agreement. The Annual Report also reviews how well the existing SRF financial operating policies, alone or in combination with other state financial assistance programs, provides for the long term fiscal health of the fund, assists communities to increase local responsibility for compliance, and carries out other provisions specified in the State Clean Water Strategy. The Annual Report also provides information on loan recipients, loan awards/disbursements, and environmental assessment determinations.

The Annual Report will show that the State has completed the following:

(1) Reviewed all CWSRF funded section 212 projects in accordance with the approved environmental review procedures (section 602(a));

(2) Deposited its match on or before the date which each quarterly grant payment was made (section 602(b)(2));

(3) Made binding commitments to provide assistance equal to 120% of the amount of each grant payment within one year after receiving the grant payment (section 602(b)(3)); and

(4) Expended all funds in an expeditious and timely manner (section 206(b)(4)).

J. Environmental Benefits Reporting & FFATA

Environmental benefits will be reported using the "CBR" federal on line reporting system each time a loan is transacted during the fiscal year. Reporting to NIMS will also be completed. In order to comply with the Federal Funding Accountability and Transparency Act (FFATA) the program will report an amount equivalent to the federal grant to the fsrs.gov system. The loans to be reported will be determined by loan award date. FFATA is the only federal requirement to be applied through equivalency.

K. Additional Requirements

All projects receiving federal funds will be required to comply with the requirements of

Single Audit Act. All projects regardless of funding source will need to comply with NEPA like review, DBE reporting, Davis-Bacon, American Iron and Steel, new WRRDA requirements (see below), and other federal crosscutters. Funds may be, but are not planned at this time, to be transferred between the CWSRF and the DWSRF. See appendix 1 for listing of Green Project Reserve Projects.

WRRDA Requirement	Vermont Implementation
A/E services procurement	A/E Services will be funded with second tier (revolving loan funds) only and loan recipients will be advised to follow EPA procurement methods.
GAAP compliant project accounts	Loan agreements are changed to include this requirement
30 Year loan terms or useful life	Vermont will implement in FFY 2015
Fiscal sustainability plan (FSP)	Applies to repair, replacement, or expansion of treatment works projects in which the loan application was submitted on or after October 1, 2014 An inventory of critical assets that are a part of the treatment works; an evaluation of the condition and performance of inventoried assets or asset groupings; and a certification that the recipient has evaluated and will be implementing water and energy conservation efforts as part of the plan will be included in PER. Applicant may either certify that a FSP has been completed or will be by the end of construction, and may submit the FSP for review.
Cost and effectiveness, and water/energy efficiency of project	Applies to all projects for which the recipient submits an application on or after October 1, 2015 As part of the approval of the PER, applicant will show the study and evaluation of the cost and effectiveness of the processes, materials, techniques, and technologies for carrying out the proposed project or activity for which assistance is sought; including - the selection, to the maximum extent practicable, of a project or activity that maximizes the potential for efficient water use, reuse, recapture, and conservation, and energy conservation, taking into account— - the cost of constructing the project or activity; - the cost of operating and maintaining the project or activity over the life of the project or activity; and - the cost of replacing the project or activity.
American Iron and Steel	Applies to any treatment works projects in which loans are executed after October 1, 2014

L. Project Funding and Federal Payment Schedule

**Projects Anticipated to Receive Federal Fiscal Year (FFY) 2015 CWSRF available Funds*
(Award of federal fiscal year 2015 Funds are anticipated to be made
during state fiscal year 2016)**

Project /Activity	Total Project Cost**	SRF Loan State Match	Federal Share FFY 2015 Funds
See FY2016 Priority List Attached	$7,780,000	$1,363,400	$6,417,000
Vermont SMRF Administrative Expense	$400,000		$400,000
	$8,180,400	$1,363,400	$6,817,000

The attached Municipal Pollution Control Projects Priority List for state FY2016 provides additional information on projects to be funded. The cash draw ratio is 1:5, or 17 to 83 %.

Vermont CWSRF Payment Schedule
FFY 2015 EPA Capitalization Grant

Payment No.	Quarter	Date	Amount
1	2016-1	10/1/2015 -12/31/2015	1,500,000
2	2016-2	1/1/2016 - 3/31/2016	2,500,000
3	2016-3	4/1/2016 - 6/30/2016	500,000
4	2016-4	7/1/2016 - 9/30/2016	500,000
5	2017-1	10/1/2016 - 12/31/2016	1,817,000
Total			6,817,000

* See attached Extended Portion of Intended Use Plan Project Funding List
** Costs will change as projects are refined

M. Green Project Reserve

The Vermont target for Green Project Reserve for federal fiscal year 2015 is $ 686,300. This year seven projects applied for over four million dollars in green project reserve projects and are shown on the attached priority and planning table.

N. Additional Subsidy

Additional subsidy will be implemented using principal forgiveness to certain projects on the state fiscal year 2016 priority list. Maximum additional subsidy will be calculated based on affordability or project type factors, and will only apply to construction contract costs.

Affordability factors will include Median Household Income (MHI), population trends and unemployment rates, and points may be applied for each factor. Points for MHI are determined by the formula (1-(MHI/SMHI)*100, where SMHI is the State Median Household Income. Points will apply in cases where the MHI < SMHI. Median household incomes will be based on the 2013 American Community Survey five year average. Population trend points are determined based on population trends for the period 2010 to 2030 conservative values from the report Vermont Population Projections – 2010 – 2030, August 2013 by Ken Jones and Lilly Schwarz. Points are assigned by ranges of population trends where 0% to -4.9% has 1 point, -5.0% to -9.9% has 2 points, -10.0% to -14.9% has 3 points, etc. Unemployment rate points are based on 2014 annual unemployment rates and assigned by ranges of unemployment rates above the state average rate, where 4.2% to 4.9% has 1 point, 5.0% to 5.9% has 2 points and 6.0 to 6.9% has 3 points. The sum of points is divided by 100 to determine the affordability percentage which is then multiplied by construction cost to determine the total affordability subsidy the project qualifies for. The maximum affordability subsidy a project can receive is capped at 25% of construction cost. Projects with an affordability score of 3% or less are not eligible to receive the affordability subsidy.

The second factor for a project to receive subsidy is by project type. Project type subsidy is equal to 25% of construction cost for eligible combined sewer overflow, stormwater, phosphorus treatment, and non-point source type projects.

Finally, an “apply early” time factor is applied so that projects with a complete construction application, submitted to the Facilities Engineering Division before March 31, 2016, will initially receive 50% of the subsidy as determined by the affordability criteria or by project type and capped at 25% of total construction cost. Those applications that come in between April 1 and June 30, 2016 will initially receive 25% of the subsidy as determined by the affordability criteria or by project type and capped at 25% of total construction cost. Subsidy will be administered on a first come first serve basis and it is probable not all qualifying communities will receive full subsidy or possibly any subsidy. The total maximum subsidy available for projects on the FY2016 priority list is limited to $2,058,900, which is subject to reduction in the event of a rescission of federal funds.

O. Plans for FFY2017

Should additional subsidy be known to be available in FFY2017 prior to December 2016, the public process will include a refinement of subsidy process.

P. Responsiveness Summary

On April 7, 2015 the Facilities Engineering Division held a public hearing on the Federal Fiscal Year 2015 Intended Use Plan and Pollution Control Priority List. The hearing was attended by 9 consulting engineers and 8 state employees. Below, listed in approximate order of presentation are comments and questions, with replies as appropriate.

1. Affordability, consider affordability method used by the City of Burlington.
   Reply: We will consider this suggestion.
2. Affordability, consider including existing user rates as a criteria for affordability.
   Reply: We will consider this suggestion.
3. Affordability, median household income areas used by the American Community Survey do not match utility service areas.
   Reply: We agree and will allow the use of more detailed income surveys results.
4. Affordability, concerns expressed about limited and fixed income individuals having difficulty paying increasing utility fees; should rates be income sensitive?
   Reply: We agree and note one option states may choose is to use subsidies to provide assistance to utilities that have a rate system that is sensitive to user's ability to pay.
5. Affordability, comment; the weighting of the three variables looks reasonable.
   Reply: We will consider this suggestion.
6. Affordability, comment; option #1 is preferred (two comments)
   Reply: We will consider this suggestion.
   Subsidy, comment; options #3 A to D offer the state more flexibility vs affordability.
   Reply: We will consider this suggestion.
7. Subsidy, are the water efficiency and energy efficiency goal set?
   Reply: These are set at the state level and have not been made final for this program.
8. Subsidy, would funds be available on a first come, first served basis?
   Reply: This is how we administered the 2014 funds and would likely apply to the 2015 funds.
9. Subsidy, consider splitting off some for affordability, say 1.5m and 0.5m for a targeted item
   Reply: We will consider this suggestion.
10. Subsidy, consider using the priority point system to apply subsidy.
    Reply: We will consider this suggestion.
11. Subsidy, why are the subsidy points different that the priority points?
    Reply: Subsidy points take into consideration only the three factors required by the federal government; income, unemployment data, and population trends. Priority points take into consideration public health and environmental protection factors, as well as income to a limited degree.
12. Subsidy: consider using 2 million for phosphorus treatment in the Lake Champlain basin.

Reply: We will consider this suggestion.

13. Subsidy, could the 2 million be used for only one project?
    Reply: That could be an option; previously we have tried to use the subsidy to assist multiple projects.
14. Subsidy, comment, if the 2 million were used on planning, it would be spread around.
    Reply: We will consider this suggestion.
15. Subsidy, comment, also consider the do-nothing options which keeps the funds in the revolving fund.
    Reply: We will consider this suggestion.
16. Subsidy, consider using a threshold of dollars or high priority projects.
    Reply: We will consider this suggestion.
17. Subsidy, comment, suggest we see the dollars per pound for reductions in phosphorus and nitrogen.
    Reply: We will consider this suggestion.
18. Subsidy, can subsidy be included in the loan application as it would be good to have a predictable amount of subsidy for planning?
    Reply: Yes the amount of subsidy could be known at the time of application provided the cap has not been reached.
19. Subsidy, consider increasing the subsidy for combined sewer overflow projects. Some towns have less money and did not benefit from previous efforts. A significant reduction in nutrients could be achieved. The CSO policy will likely change which may have a negative impact on some communities.
    Reply: We will consider this suggestion.
20. Subsidy, consider towns such as Montpelier that spend a considerable amount in previous years on CSO and now has a large stormwater problem. Subsidy could also address stormwater projects.
    Reply: We will consider this suggestion.
21. Subsidy, consider using subsidy for financial sustainability plans.
    Reply: We will consider this suggestion.
22. Subsidy, subsidies on large projects are not valuable because they represent such a small amount of the total project cost.
    Reply: We will consider this suggestion.
23. Subsidy, consider higher subsidies for planning.
    Reply: We will consider this suggestion and note that should we use non-federal funds for engineering services to avoid new procurement processes, the subsidy could not be applied.
24. Subsidy, projects need a jump start for planning to get action at Selectboards.
    Reply: We will consider this suggestion.
25. Subsidy, Some projects have no affordability problem and fund the planning with local funds. Reply: We will consider this suggestion.
26. Subsidy, comment, suggest spreading the subsidy around.
    Reply: We will consider this suggestion.
27. Subsidy, comment, suggest applying subsidy to small projects with affordabilty.
    Reply: We will consider this suggestion.

28. Subsidy, comment, more towns will be requesting funds after the Lake Champlain TMDL is complete.
    Reply: We will consider this suggestion.
29. WRRDA Changes, up to 30 year loan terms will be based on weighted average of utility improvements useful life.
    Reply: This is a requirement by the program and the Vermont Municipal Bond Bank.
30. WRRDA Changes, please send copy of slides and WRRDA guidance.
    Reply: This will be sent out after the meeting.
31. Fiscal Sustainability Plans, user rates will be affected by the use of sinking funds to pay for future costs.
32. Reply: This will be a local decision on how future cost will be funded and may include a combination of sinking funds for shorter term assets and bonding for longer term assets.
33. Fiscal Sustainability Plans, FSP should be phased in for larger projects.
    Reply: We will consider this suggestion.
34. Fiscal Sustainability Plans, some requirements are redundant to Emergency Spill Response Plans.
    Reply: Perhaps in the future these plans can be combined.
35. Fiscal Sustainability Plans, FSPs are not achievable for smaller systems.
    Reply: FSPs can be scaled to be less for smaller systems.
36. Fiscal Sustainability Plans, can FSPs be funded with a subsidy?
    Reply: This is an option.
37. Fiscal Sustainability Plans, Is there a requirement for a reserve fund and contribution?
    Reply: Yes and yes.
38. Fiscal Sustainability Plans, FSPs should focus on vulnerable components, the ESRP has a listing.
    Reply: We will consider this option.
39. Fiscal Sustainability Plans, Systems could use depreciation across the whole system.
    Reply: We will consider this option.
40. Engineering Services Procurement, option #2 – Equivalency and option #3 – two loans look good.
    Reply: We will consider this suggestion.
41. Engineering Services Procurement, how will continuing projects be handled.
    Reply: They will not likely need to comply with procurement requirements.
42. Engineering Services Procurement, Can we change the planning loan term?
    Reply: Yes we can change the planning loan terms to match the construction loan terms when the construction engineering amendment is made.
43. Engineering Services Procurement, could option #2 and #3 work together so that if the criteria for option #2 were met, one loan could be used for both engineering and construction without the procurement process?
    Reply: Yes this may be possible; however additional workload factors would need to be considered.
44. Engineering Services Procurement, does a RFQ expire?
    Reply: This will likely be a local decision.
45. Engineering Services Procurement, is equivalency based on total project cost?

Reply: Yes.

46. Engineering Services Procurement, can equivalency decision be made at the municipal level?

    Reply: Yes, provided we select option #3, two loans.

47. Engineering Services Procurement, comment, an RFQ process to meet a federal standard is a waste of time for project where the engineer is already selected and the process is only to meet a federal requirement.

    Reply: We will consider this suggestion.

48. Engineering Services Procurement, could one application be used for two loans?

    Reply: This is likely.

49. Engineering Services Procurement, does options #3 affect subsidy?

    Reply: Yes, no subsidy would be allowed by State statute for loans without federal funds.

50. Engineering Services Procurement, does the program currently encourage the use of a procurement process for engineering services?

    Reply: Yes.

51. Engineering Services Procurement, option #1, applying procurement to all loans is not practical.

    Reply: We will consider this suggestion.

52. Engineering Services Procurement, please do not use the V-Trans model for engineering procurement (several mentioned this)

    Reply: We will consider this suggestion.

53. Engineering Services Procurement, using the plist to identify municipalities that need to go through a procurement process is a "chicken and egg" situation.

    Reply: We will consider this suggestion.

54. Engineering Services Procurement, one larger firm was seeing a 50/50 split in municipalities using a RFQ type process.

    Reply: We will consider this suggestion.

55. Engineering Services Procurement, are equivalency projects reliable?

    Reply: No, and because of the difficulty in determining which project will go forward, we would need to have the procurement process apply to multiple projects.

56. Engineering Services Procurement, vote on options: #1=0, #2=0, #3=3, #4 (#2 and #3)=5

    Reply: We will consider this suggestion.

57. Engineering Services Procurement, can an RFQ include price?

    Reply: Price cannot be considered in selecting a firm to negotiate price with.

58. WRRDA Changes, can land for stormwater treatment be considered eligible pre WRRDA?

    Reply: Similar to wastewater treatment it will depend on the design of the treatment system. In wastewater, only the land area used directly for the treatment of waste in a land based process (septic fields and spray irrigation areas) are eligible for loans. These are determined on a case by case basis.

59. WRRDA Changes, will the fee curve be changed to reflect the new work required?

    Reply: as mentioned in the meeting the inventory and condition rating are already part of the preliminary engineering report process. New work, such as developing the FSP plan may be considered non-standard tasks.

60. Construction Section Lean Process, the 60% meeting may not be the best time to discuss details of checklist because the plans are not detailed enough.
Reply: The check list review will be to go over the checklist that apply to the construction phase and determine lead roles of various items.

Q. NPDES Permit Numbers

Municipality Name	Project Name	NPDES Permit Number
City of Montpelier	One Taylor Street	VT0100196
City of South Burlington	Village at Dorset Park Stormwater Pond Improvements	NA
Town of Springfield	Meadow Drive Stormwater	VT0100382
City of Montpelier	Taylor St Stormwater	VT0100196
Village of Poultney	York Street stormwater improvements	VT0100269
Town of Northfield	Northfield Village Green Stormwater Site	NA
City of Rutland	NW Neighborhood Phase 1A	VT0100871
Town of Springfield	CSO - Collection System Improvements	VT0100382
Town of Williston	Route 2A Gravity Sewer	VT0100439
City of Burlington	Colchester Avenue CSO Abatement/ Elimination	VT0100226
Village of Saxtons River	Wastewater Upgrade	VT0100609
Village of Bellows Falls Corporation	WWTF Biosolids Train and Pump Station Upgrades	VT0100013
City of Burlington	Phosphorus reductions through Stormwater Outfall Assessment, Repair and Watershed Improvements	VT0100153 **VT0100307** **VT0100226**
City of St. Albans	Wastewater treatment facility refurbishment	VT0100323
Town of Addison	Community Wastewater System	NA
Village of Bellows Falls Corporation	Sewer Main Replacement Project	VT0100013
Town of Wilmington	Wastewater treatment facility refurbishment	VT0100706
City of Burlington	Stormwater Pipe Infrastructure Rehabilitation	NA
Town of Waitsfield	NPS Projects	NA
Town of Williamstown	Wastewater treatment facility refurbishment	VT0100722
Town of St. Johnsbury	St. Johnsbury Wastewater Improvements Phase 2	VT0100579
Town of St. Johnsbury	St. Johnsbury Wastewater Improvements Phase 1	VT0100579
Town of Windsor	Sewer Separation/Storm Water Removal	VT0100919
City of Barre, VT	Trunk line and North Main Street Wastewater Improvements	VT0100889
Town of St. Johnsbury	Frost Avenue Sewer Main	VT0100579
Town of Windsor	Pump Stations Upgrade	VT0100919
Town of Richmond	East Main Street Sewer Replacement	VT0100617
Town of Ryegate	Filter Bed #2 Reconstruction	NA
Town of Richmond	West Main Street Sewer Extension	VT0100617

Town of Castleton	Crystal Heights Sewer	VT0100897
City of St. Albans	Lower Weldon CSO Abatement	VT0100323
Colchester Fire District #2	New sewer system	NA
Village of Alburgh	Kirk and Fitts Road Sewer Extension	VT0100005
Town of St. Johnsbury	St. Johnsbury Wastewater Improvements Phase 3	VT0100579
Town of Rochester	Rochester Site No. 3 Rehabilitation	NA
Town of Royalton	Wastewater System Improvements	VT0100854
City of South Burlington	Preliminary Engineering Design Report for the Hadley Road Sanitary Sewer Service Area	VT0100358
City of South Burlington	Airport Parkway Wastewater Treatment Facility Outfall Rehabilitation	VT0100366
City of South Burlington	Gravity Sewer Inflow & Infiltration Reduction	VT0100366 VT0100358
City of Barre, VT	WWTF Headworks Upgrade	VT0100889
Town of Hartford	Downtown Stormwater Improvements	VT0101010
Town of Brandon	Champlain Pump Station	VT0100056
Town of Brandon	Sewer System Evaluation and Rehabilitation	VT0100056
Town of Proctor	Willow Street Pump Station	VT0100528
Town of West Windsor	West Windsor Resort Upper Loop Sewer	VT0100919
City of Burlington	Enhanced WWTP Phosphorus Removal	VT0100153 **VT0100307** **VT0100226**
Town of Bennington	WWTF Upgrade	VT0100021
City of Montpelier	WWTF Refurbishment	VT0100196
City of South Burlington	Gravity Sewer Sleeves Crossing of Interstate 89	VT0100366
Town of Williston	East Hill Road Stone Line ditching	
City of South Burlington	Sewer Pump Station SCADA Replacement	VT0100366 T0100358
City of South Burlington	Airport Parkway Wastewater Treatment Facility	VT0100366
City of Burlington	Integrated Stormwater and Wastewater Planning and Early Implementation	VT0100153 V**T0100307** **VT0100226**
City of South Burlington	Lane Press Pump Station & Force Main Upgrade	VT0100366
Town of Williston	Williston Town Fields Stormwater Treatment Facility	NA
Town of Williston	Lamplite Acres Green Streets	NA
Town of Williston	Golf Links	NA
Town of Williston	Taft Farm Village I & II and Taft Farm Commercial Lots	NA
Town of Williston	Meadow Run/Forest Run	NA
Town of Williston	Hill Side East Lot 14	NA
Town of Williston	Hill Side East Lot 16 & 17	NA
Village of Hyde Park	Wastewater System Improvements	NA

City of South Burlington	Hinesburg Road PS & Dorset St. FM	VT0100366
Town of Williston	Taft Farms Condo Commercial: Lot H	NA
Town of Williston	Indian Ridge	NA
Town of Williston	Old Stage Estates	NA
Town of Williston	Hampton Direct	NA
Town of Williston	Hill Side East Lot 5	NA
Town of Williston	Hill Side East Lot 7	NA
Town of Williston	Allen brook Meadows/ Lefebvre Lane	NA
Town of Williston	Heritage Meadows	NA
Town of Williston	Coyote Run	NA
Town of Williston	Pleasant Acres	NA
Town of Williston	Allen Brook School	NA
Town of Williston	Hill Side East Lot 12 -13A	NA
City of South Burlington	Bartlett Bay Wastewater Treatment Facility Upgrade	VT0100358
Town of Williston	The Commons at Williston Village	NA
Town of Williston	Brennan Woods	NA
Town of Williston	Whitney Hill	NA
Town of Williston	Turtle Crossing	NA
Town of Williston	Turtle Pond	NA
Town of Williston	Williston North of I89 Stormwater Treatment Facility	NA
Town of Williston	Meadow Ridge	NA
Town of Williston	Southridge	NA
Town of Williston	Williston Central	NA
City of South Burlington	Wastewater Infrastructure CIP	VT0100366 VT0100358
City of South Burlington	Bartlett Bay WWTF Phosphorous Treatment Limits Study	VT0100358

PRELIMINARY AND FINAL DESIGN ENGINEERING PLANNING LIST
ABBREVIATIONS AND NOTATIONS

The lists use abbreviations to identify project types. These abbreviations are listed, defined and described below.

"CSO" stands for **combined sewer overflow** abatement projects. Combined sewers carry both wastewater and stormwater and become hydraulically overloaded during rainfall events. This results in overflows to surface waters that are in violation of state and federal standards.

"DWF" represents **dry weather flow** projects. These are projects which abate pollution that occurs during dry weather periods, when systems are not stressed by rainfall events (see CSO discussion). Examples are the construction of a collection system and new treatment facility to eliminate direct discharges to surface waters, or the extension of a sewerage system to collect the flows from failing septic tank or leach field systems and convey them to an existing treatment facility.

"ENL" stands for **enlargement** of current facilities to handle increased wastewater flows resulting from municipal growth. These projects receive relatively low priority.

"NPS" stands for **non point source.**

"OTHER" stands for **other**, and represents projects that do not neatly fit into the primary categories.

"OTHER -G" stands for **other-green** projects. These projects may include energy efficiency, water efficiency, use of green infrastructure to infiltrate water, or other innovative projects.

"PHOS" stands for **phosphorus** removal projects. State statute prohibits most discharges to the drainage basins of Lake Champlain and Lake Memphremagog that contain a phosphorus concentration in excess of 0.8 milligrams per liter on a monthly-average basis, and requires that phosphorus effluent limits be implemented in any drainage basin where needed to meet the requirements of a total maximum load document or attain compliance with water quality standards.

"REFURB" stands for **refurbishment.** When a facility's NPDES permit is renewed for the five year period within which its twentieth year of operation falls, the permit includes a requirement to perform an evaluation of the facility to identify the improvements and renovations that are necessary to enable the facility to continue to operate efficiently and meet its discharge standards for another twenty to twenty-five year design period.

"SEWEX" stands for **sewer extensions.**

"SEWREP" stands for **sewer line replacement.**

"SW" stands for **stormwater.**

2016 Pollution Control Priority and Planning List				2016 Priority List 8-6-2015			2017 to 2025 Planning List									
Municipality Name	Project Name	Priority Points	Type	2016 SRF Loan Need Step I	2016 SRF Loan Need Step II	2016 SRF Need Step III	2017 SRF Loan Need Step III	2018 SRF Loan Need Step III	2019 SRF Loan Need Step III	2020 SRF Loan Need Step III	2021 SRF Loan Need Step III	2022 SRF Loan Need Step III	2023 SRF Loan Need Step III	2024 SRF Loan Need Step III	2025 SRF Loan Need Step III	FY16 Capital Bill Grants/ Pending ERP*
City of Montpelier	One Taylor Street	5.52	SW		$75,000	$375,000										$250,000*
City of South Burlington	Village at Dorset Park Stormwater	5.31	SW	$10,000	$30,000	$310,000										$250,000*
Town of Springfield	Meadow Drive Stormwater	5.07	SW		$25,000	$385,000										
City of Montpelier	Taylor St Stormwater	5.06	SW		$50,000	$303,365										$250,000*
Village of Poultney	York Street stormwater improvements	4.92	SW		$20,000	$440,000										
Town of Northfield	Northfield Village Green Stormwater Site	4.79	SW													$110,695*
City of Rutland	NW Neighborhood Phase 1A	13.19	CSO - C			$61,380										
Town of Springfield	CSO - Collection System Improvements	13.16	CSO - C			$570,000										$10,702
Town of Williston	Route 2A Gravity Sewer	4.97	Ref - C	$1,300	$5,600	$128,100										
City of Burlington	Colchester Avenue CSO Abatement/ Elimination	13.87	CSO	$35,000	$45,000	$500,000										
Village of Saxtons River	Wastewater Upgrade	13.44	Ref		$124,850	$2,921,334										
Village of Bellows Falls Corporation	WWTF Biosolids Train and Pump	13.13	Ref		$328,700	$6,150,000										
City of Burlington	Phosphorus reductions through	12	Ref	$75,000	$175,000	$2,500,000										
City of St. Albans	Wastewater treatment facility	9.16	Ref		$5,800	$11,950,000										
Town of Addison	Community Wastewater System	7.15	NPS	$28,702	$30,000	$390,000										
Village of Bellows Falls Corporation	Sewer Main Replacement Project	6.36	Ref	$40,000	$75,000	$1,350,000										
Town of Wilmington	Wastewater treatment facility refurbishment	5.72	Ref			$1,997,000										
City of Burlington	Stormwater Pipe Infrastructure Rehabilitation	5.7	Ref	$150,000	$40,000	$1,000,000										
Town of Waitsfield	NPS Projects	5.67	NPS	$0	$25,000	$250,000										
Town of Williamstown	Wastewater treatment facility refurbishment	5.56	Ref	$20,000	$90,000	$1,700,000										

Municipality Name	Project Name	Priority Points	Type	2016 SRF Loan Need Step I	2016 SRF Loan Need Step II	2016 SRF Need Step III	2017 SRF Loan Need Step III	2018 SRF Loan Need Step III	2019 SRF Loan Need Step III	2020 SRF Loan Need Step III	2021 SRF Loan Need Step III	2022 SRF Loan Need Step III	2023 SRF Loan Need Step III	2024 SRF Loan Need Step III	2025 SRF Loan Need Step III	FY16 Capital Bill Grants/ Pending ERP*
Town of St. Johnsbury	St. Johnsbury Wastewater Improvements Phase 2	5.55	Ref			$1,553,000										
Town of St. Johnsbury	St. Johnsbury Wastewater Improvements Phase 1	5.36	Ref			$1,340,000										
Town of Windsor, Vermont	Sewer Separation/Storm Water Removal	5.19	Ref		$58,550	$1,075,300										
City of Barre, VT	Trunkline and North Main Street Wastewater	4.97	Ref	$57,000		$0										
Town of St. Johnsbury	Frost Avenue Sewer Main	4.91	Ref		$3,000	$77,000										
Town of Windsor, Vermont	Pump Stations Upgrade	4.77	Ref	$9,600	$19,200	$351,200										
Town of Richmond	East Main Street Sewer Replacement	4.63	Ref		$6,000	$51,000										
Town of Ryegate	Filter Bed #2 Reconstruction	4.2	NPS		$9,000	$71,500										
Town of Richmond	West Main Street Sewer Extension	4.02	Sewer Ext	$16,000	$69,000	$1,107,000										
Town of Castleton	Crystal Heights Sewer	3.83	Sewer Ext		$30,000	$373,400										
City of St. Albans	Lower Weldon CSO Abatement	19.46	CSO	$25,000	$70,000		$905,000									
Colchester Fire District #2	New sewer system	8.2	Sewer Ext	$318,500	$700,000		$12,910,000									
Village of Alburgh	Kirk and Fitts Road Sewer Extension	7.21	Sewer Ext	$17,500	$45,000		$740,000									
Town of St. Johnsbury	St. Johnsbury Wastewater Improvements Phase 3	5.79	Ref				$2,326,200									
Town of Rochester	Rochester Site No. 3 Rehabilitation	5.69	Ref	$24,000	$50,000		$1,039,000									
Town of Royalton	Wastewater System Improvements	5.61	Ref		$80,000		$1,101,725									
City of South Burlington	Preliminary Engineering Design Report for the Hadley Road Sanitary Sewer Service Area	5.41	Other	$70,000	$100,000		$1,620,000									

Municipality Name	Project Name	Priority Points	Type	2016 SRF Loan Need Step I	2016 SRF Loan Need Step II	2016 SRF Need Step III	2017 SRF Loan Need Step III	2018 SRF Loan Need Step III	2019 SRF Loan Need Step III	2020 SRF Loan Need Step III	2021 SRF Loan Need Step III	2022 SRF Loan Need Step III	2023 SRF Loan Need Step III	2024 SRF Loan Need Step III	2025 SRF Loan Need Step III	FY16 Capital Bill Grants/ Pending ERP*
City of South Burlington	Airport Parkway Wastewater Treatment Facility Outfall Rehabilitation	5.3	Ref	$20,000	$30,000		$450,000									
City of South Burlington	Gravity Sewer Inflow & Infiltration Reduction	5.27	Ref	$5,000	$10,000		$145,000									
City of Barre, VT	WWTF Headworks Upgrade	5.19	Ref	$50,000												
Town of Hartford	Downtown Stormwater Improvements	5.12	CSO	$20,000	$40,000		$590,000									
Town of Brandon	Champlain Pump Station	4.83	Ref	$10,000	$35,000		$455,000									
Town of Brandon	Sewer System Evaluation and Rehabilitation	4.78	Ref	$9,000	$20,000		$342,500									
Town of Proctor	Willow Street Pump Station	4.74	Ref	$16,400	$25,000		$375,000									
Town of West Windsor	West Windsor Resort Upper Loop Sewer	4.68	Ref	$10,000	$20,000		$470,000									
City of Burlington	Enhanced WWTP Phosphorus	22.77	Phos	$1,000,000	$2,100,000			$17,450,000	$14,540,120	$2,909,880						
Town of Bennington	WWTF Upgrade	6.85	Ref	$20,000	$675,000			$8,269,998								
City of Montpelier	WWTF Refurbishment	5.59	Ref	$70,000	$180,000			$3,150,000								
City of South Burlington	Gravity Sewer Sleeves Crossing of Interstate 89	5.35	Ref	$35,000	$65,000			$1,000,000								
Town of Williston	East Hill Road Stone Line ditching	5.34	SW	$1,063	$6,405			$64,058								
City of South Burlington	Sewer Pump Station SCADA Replacement	5.31	Ref	$23,000	$47,000			$567,000								
City of South Burlington	Airport Parkway Wastewater Treatment Facility	5.27	Enlg	$10,000	$15,000			$140,000								
City of Burlington	Integrated Stormwater and Wastewater Planning and Early Implementation	5.87	SW	$125,000	$350,000				$1,875,000	$1,875,000						$100,000*
City of South Burlington	Lane Press Pump Station & Force Main Upgrade	5.39	Ref	$45,000	$85,000				$1,440,000							
Town of Williston	Williston Town Fields Stormwater Treatment Facility	5.02	SW	$0	$16,286				$374,922							$49,877

Municipality Name	Project Name	Priority Points	Type	2016 SRF Loan Need Step I	2016 SRF Loan Need Step II	2016 SRF Need Step III	2017 SRF Loan Need Step III	2018 SRF Loan Need Step III	2019 SRF Loan Need Step III	2020 SRF Loan Need Step III	2021 SRF Loan Need Step III	2022 SRF Loan Need Step III	2023 SRF Loan Need Step III	2024 SRF Loan Need Step III	2025 SRF Loan Need Step III	FY16 Capital Bill Grants/ Pending ERP*
Town of Williston	Lamplite Acres Green Streets	5.02	SW	$27,300	$27,300				$389,000							
Town of Williston	Golf Links	4.95	SW	$2,750	$2,750				$49,500							
Town of Williston	Taft Farm Village I & II and Taft Farm Commercial Lots	4.95	SW	$1,250	$1,250				$22,455							
Town of Williston	Meadow Run/Forest Run	4.96	SW	$3,875	$3,875					$73,625						
Town of Williston	Hill Side East Lot 14	4.95	SW	$500	$500					$9,000						
Town of Williston	Hill Side East Lot 16 & 17	4.95	SW	$1,000	$1,000					$18,000						
Village of Hyde Park	Wastewater System Improvements	3.88	Ref	$46,100												
City of South Burlington	Hinesburg Road PS & Dorset St. FM	5.56	Ref	$100,000	$200,000						$3,260,000					
Town of Williston	Taft Farms Condo Commercial: Lot H	4.96	SW	$4,500	$4,500						$81,000					
Town of Williston	Indian Ridge	4.96	SW	$4,500	$4,500						$81,000					
Town of Williston	Old Stage Estates	4.96	SW	$5,000	$5,000						$90,000					
Town of Williston	Hampton Direct	4.96	SW	$3,500	$3,500						$63,000					
Town of Williston	Hill Side East Lot 5	4.96	SW	$3,750	$3,750						$67,500					
Town of Williston	Hill Side East Lot 7	4.96	SW	$2,000	$2,000						$36,000					
Town of Williston	Allen brook Meadows/ Lefebvre Lane	4.95	SW	$1,000	$1,000						$18,000					
Town of Williston	Heritage Meadows	4.95	SW	$2,000	$2,000						$36,000					
Town of Williston	Coyote Run	4.95	SW	$1,458	$1,458						$26,241					
Town of Williston	Pleasant Acres	4.95	SW	$1,538	$1,538						$27,677					
Town of Williston	Allen Brook School	4.95	SW	$450	$450						$8,050					
Town of Williston	Hill Side East Lot 12 - 13A	4.95	SW	$4,000	$4,000						$72,000					
City of South Burlington	Bartlett Bay Wastewater	6.56	Ref	$350,000	$700,000								$10,850,000			
Town of Williston	The Commons at Williston Village	4.97	SW	$7,500	$7,500									$135,000		
Town of Williston	Brennan Woods	4.96	SW	$3,750	$3,750									$67,500		
Town of Williston	Whitney Hill	4.96	SW	$6,000	$6,000									$108,000		
Town of Williston	Turtle Crossing	4.95	SW	$2,000	$2,000									$36,000		
Town of Williston	Turtle Pond	4.95	SW	$550	$550									$9,900		
Town of Williston	I89 Stormwater Treatment Facility	5.06	SW	$52,840	$52,840										$598,855	
Town of Williston	Meadow Ridge	5.02	SW	$24,000	$24,000										$432,000	
Town of Williston	Southridge	4.97	SW	$6,600	$6,600										$118,800	
Town of Williston	Williston Central	4.95	SW	$3,975	$3,975										$71,550	
City of South Burlington	Wastewater Infrastructure CIP	5.26	Other	$25,000												
City of South Burlington	Phosphorous Treatment Limits	5.26	Ref	$15,000												

Municipality Name	Project Name	Priority Points	Type	2016 SRF Loan Need Step I	2016 SRF Loan Need Step II	2016 SRF Need Step III	2017 SRF Loan Need Step III	2018 SRF Loan Need Step III	2019 SRF Loan Need Step III	2020 SRF Loan Need Step III	2021 SRF Loan Need Step III	2022 SRF Loan Need Step III	2023 SRF Loan Need Step III	2024 SRF Loan Need Step III	2025 SRF Loan Need Step III	FY16 Capital Bill Grants/ Pending ERP*
State Wide	Future TMDL./ Other Projects		Other							$13,527,491	$13,979,224	$17,591,186	$6,545,761	$15,795,610	$14,743,179	
Town of Pownal	New sewer system	38.53	DWF													$530,000
Town of St. Johnsbury	Rt2 & Main Street	14.95	CSO													$76,247
Town of Brattleboro	WWTF Improvements	12.63	S/S													$146,776
	Total			$3,080,750	$7,181,976	$41,560,029	$23,469,425	$30,641,056	$18,690,997	$18,412,996	$17,845,692	$17,591,186	$17,395,761	$16,152,010	$15,964,384	* ERP Funded

Total Yearly Loans and/or Needed Funds		$51,822,755	$23,469,425	$30,641,056	$18,690,997	$18,412,996	$17,845,692	$17,591,186	$17,395,761	$16,152,010	$15,964,384	
Federal Funds		$7,648,680	$6,417,000	$6,417,000	$6,417,000	$6,417,000	$6,417,000	$6,417,000	$6,417,000	$6,417,000	$6,417,000	
State Matching Funds		$1,529,736	$1,363,400	$1,363,400	$1,363,400	$1,363,400	$1,363,400	$1,363,400	$1,363,400	$1,363,400	$1,363,400	
Previous Year, Interest and State Revolving Funds		$58,653,263	$27,364,119	$22,860,656	$10,910,597	$10,632,596	$10,065,292	$9,810,786	$9,615,361	$8,371,610	$8,183,984	
Total Available Funds		$67,831,679	$35,144,519	$30,641,056	$18,690,997	$18,412,996	$17,845,692	$17,591,186	$17,395,761	$16,152,010	$15,964,384	

Appendix 1. Green Project Reserve Project List for FFY 2015

Municipality Name	Project Name	Water Conservation / Energy Efficiency Project Component	Estimated Water Conservation / Efficiency Project Cost	Green Infrastructure Project Component Description	Estimated Green Infra-structure Project Cost	Other Environmentally Innovative Component Description	Estimated Environ-mentally Innovative Project Cost
City of Montpelier	One Taylor Street			The project will construct Rain Gardens, pervious pavers as well as the addition of greenspace, the additional costs due to the site's history as a scrapyard and related brownfield contamination issues.	$375,000	Innovative Rain Gardens, Pervious Pavers and Greenspace	$375,000
City of South Burlington	Village at Dorset Park Stormwater Pond Improvements			Retrofit existing stormwater ponds to meet the requirements of the 2002 Vermont Stormwater Management Manual, in order to provide improved treatment of runoff prior to discharge to Potash Brook, an impaired waterway.	$210,000	Retrofit existing stormwater ponds to meet the 2002 Vermont Stormwater Management Manual standards.	$210,000
City of Montpelier	Taylor St Stormwater			Shade Trees/Bio Retention, 8 rain Gardens, Permeable Sidewalk Pavers, Silva Cells, Remove Clay soils and replace with permeable aggregates, water/sewer/stormwater infrastructure replacement	$608,551	Shade Trees/Bio Retention, 8 rain Gardens, Permeable Sidewalk Pavers, Silva Cells, Remove Clay soils and replace with permeable aggregates, water/sewer/ stormwater infrastructure replacement	$608,551

Municipality Name	Project Name	Water Conservation / Energy Efficiency Project Component	Estimated Water Conservation / Efficiency Project Cost	Green Infrastructure Project Component Description	Estimated Green Infra-structure Project Cost	Other Environmentally Innovative Component Description	Estimated Environ-mentally Innovative Project Cost
Village of Poultney	York Street stormwater improvements					Infiltration basin	$500,000
Town of Northfield	Northfield Village Green Stormwater Site			Construction of a larger stormwater treatments site behind the Village Green in Northfield. The Village Green site is a large end-of-pipe bioretention basin which could capture surface runoff from 14 acres of the downtown.	$116,095		
City of Burlington	Colchester Avenue CSO Abatement/ Elimination					Stormwater green infrastructure practices (infiltration practices, permeable pavements, bioretention) will be prioritized over grey infrastructure to reduce the volume of stormwater reaching to reduce the frequency of overflow events or to provide maximum treatment and stormwater reduction before discharge of	$245,000

Municipality Name	Project Name	Water Conservation / Energy Efficiency Project Component	Estimated Water Conservation / Efficiency Project Cost	Green Infrastructure Project Component Description	Estimated Green Infra-structure Project Cost	Other Environmentally Innovative Component Description	Estimated Environ-mentally Innovative Project Cost
						stormwater via a new separate stormwater pipe.	
Village of Bellows Falls Corporation	WWTF Biosolids Train and Pump Station Upgrades	Anaerobic Digester Cogen	$330,000				
City of Burlington	Phosphorus reductions through Stormwater Outfall Assessment, Repair and Watershed Improvements			Design and implement green infrastructure improvements to reduce stormwater flow and phosphorus loading to separate stormwater outfalls (est. 20% of project cost); additionally, bio-engineering will be considered when evaluating outfall repair techniques.MS4 permit requires flow reductions in impaired watersheds, requires compliance with the upcoming Lake Champlain TMDL (P reductions for any outfalls in watershed) and also maintaining stormwater infrastructure in good working condition (Municipal Best Practices Min Measure 6)	$750,000	Bio-engineering/green armoring will be considered/prioritized for outfall repair; green stormwater infrastructure practices will be prioritized over grey infrastructure for watershed improvements (estimate = green infrastructure cost above, + 25% of outfall repair costs)	$1,250,000

Municipality Name	Project Name	Water Conservation / Energy Efficiency Project Component	Estimated Water Conservation / Efficiency Project Cost	Green Infrastructure Project Component Description	Estimated Green Infra-structure Project Cost	Other Environmentally Innovative Component Description	Estimated Environ-mentally Innovative Project Cost
City of St. Albans	Wastewater treatment facility refurbishment	New electrical MCC's, VFD's, lighting, heating/ventilation upgrades, process water system upgrade	$1,500,000	Stormwater green infrastructure	$250,000		
Town of Williamstown	Wastewater treatment facility refurbishment	Building systems upgrades	$50,000				

2016 Pollution Control Priority and Planning List - Subsidy Work Sheet

		MHI of FY16 Construction Projects	MHI Points	Population Trends 2010 to 2030	Population Points	Unemploy-ment Rate 2014 Annual Average	Unemploy-ment Points	Total Points	% Forgivess	Affordibility Construction Forgivenss	CSO Con-struction	Stormwater Construction	Phosphorus Construction	NPS Construction	Total Construction	50% of Total Construction	Affordibility Plus Construction	Adjusted Subsidy; 25% max	Maximum Potential Subsidy	Initial Subsidy
City of Montpelier	One Taylor Street	$62,276		-7.15%	2.000	3.40%	0.0	2.000	2.000%	$7,500		$375,000			$375,000	$187,500	$195,000	25%	$93,750	$46,875
City of South Burlington	Village at Dorset Park Stormwater Pond Improvements	$64,756	0.000	16.59%		2.80%	0.0	0.000	0.000%			$500,000			$500,000	$250,000	$250,000	25%	$125,000	$62,500
Town of Springfield	Meadow Drive Stormwater	$44,149	13.321	-5.24%	2.000	4.50%	1.0	16.321	16.321%	$55,492		$340,000			$340,000	$170,000	$225,492	25%	$85,000	$42,500
City of Montpelier	Taylor St Stromwater	$62,276		-7.15%	2.000	3.40%	0.0	2.000	2.000%	$6,067		$303,365			$303,365	$151,683	$157,750	25%	$75,841	$37,921
Village of Poultney	York Street stormwater improvements	$42,392	16.771	-14.25%	3.000	5.60%	2.0	21.771	21.771%	$87,083		$400,000			$400,000	$200,000	$287,083	25%	$100,000	$50,000
Town of Northfield	Northfield Village Green Stormwater	$42,125	17.295	2.82%	0	4.90%	0.0	17.295	17.295%	$17,629		$0.00			$0.00	$0	$17,629	17%	$17,629	$8,814
City of Rutland	NW Neighborhood Phase 1A	$40,622	20.246	-16.74%	4	4.30%	1.000	25.246	25.246%	$15,496		$61,380			$61,380	$30,690	$46,186	25%	$15,345	$7,673
Town of Springfield	CSO - Collection System Improvements	$44,149	13.321	-5.24%	2.000	4.50%	1.0	16.321	16.321%	$81,606	$500,000				$500,000	$250,000	$331,606	25%	$125,000	$62,500
Town of Williston	Route 2A Gravity Sewer	$71,808	0.000	27.70%	0.000	3.00%	0.0	0.000	0.000%	$0										
City of Burlington	Colchester Avenue CSO Abatement/ Elimination	$42,677	16.211	-0.76%	1.000	3.30%	0.0	17.211	17.211%	$77,450	$450,000				$450,000	$225,000	$302,450	25%	$112,500	$56,250
Village of Saxtons River	Wastewater Upgrade	$35,000	31.284	-7.55%	2.000	4.70%	1.0	34.284	34.284%	$860,705							$860,705	25%	$627,636	$313,818
Village of Bellows Falls Corporation	WWTF Biosolids Train and Pump Station Upgrades	$29,650	41.787	-7.55%	2.000	4.70%	1.0	44.787	44.787%	$2,485,701							$2,485,701	25%	$1,387,500	$693,750
City of Burlington	Phosphorus reductions through Stormwater Outfall Assessment, Repair	$42,677	16.211	-0.76%	1.000	3.30%	0.0	17.211	17.211%	$387,251							$387,251	17%	$387,251	$193,626
Town of West Windsor	West Windsor Brownsville Sewers	$70,250	0.000	**2.64%**	0	3.90%	0.0	0.0	0.0	$0										
City of St. Albans	treatment facility refurbishment	$45,712	10.252	-20.90%	5.000	6.50%	3.0	18.252	18.252%	$1,979,117							$1,979,117	18%	$1,979,117	$989,558
Town of Addison	Community Wastewater System	$61,518	0.000	-1.09%	1.000	3.50%	0.0	1.000	1.000%	$3,300				$330,000	$330,000	$165,000	$168,300	25%	$82,500	$41,250
Village of Bellows Falls Corporation	Sewer Main Replacement Project	$29,650	41.787	-7.55%	2.000	4.70%	1.0	44.787	44.787%	$544,167							$544,167	25%	$303,750	$151,875
Town of Wilmington	Wastewater treatment facility	$63,417	0.000	-13.43%	3.000	4.60%	1.0	4.000	4.000%	$72,120							$72,120	4%	$72,120	$36,060
City of Burlington	Stormwater Pipe Infrastructure Rehabilitation	$42,677	16.211	-0.76%	1.000	3.30%	0.0	17.211	17.211%	$163,506							$163,506	17%	$163,506	$81,753
Town of Waitsfield	NPS Projects	$49,931	1.969	5.18%	$0	3.70%	$0	1.969	1.969%	$4,923				$250,000	$250,000	$125,000	$129,923	25%	$62,500	$31,250
Town of Williamstown	Wastewater treatment facility refurbishment	$48,952	3.891	2.18%		4.50%	1.0	4.891	4.891%	$75,179							$75,179	5%	$75,179	$37,590

		MHI of FY16 Construction Projects	MHI Points	Population Trends 2010 to 2030	Population Points	Unemploy-ment Rate 2014 Annual Average	Unemploy-ment Points	Total Points	% Forgivess	Affordibility Construction Forgivenss	CSO Con-struction	Stormwater Construction	Phosphorus Construction	NPS Construction	Total Construction	50% of Total Construction	Affordibility Plus Construction	Adjusted Subsidy; 25% max	Maximum Potential Subsidy	Initial Subsidy
Town of St. Johnsbury	St. Johnsbury Wastewater Improvements Phase	$37,184	26.996	-3.52%	1.000	c	1.0	28.996	28.996%	$404,780							$404,780	25%	$349,000	$174,500
Johnsbury	Wastewater	$37,184	26.996	-3.52%	1.000	4.60%	1.0	28.996	28.996%	$385,643							$385,643	25%	$332,500	$166,250
Town of Windsor, Vermont	Sewer Separation/Storm Water Removal	$39,050	23.332	-9.77%	2.000	4.00%	0.0	25.332	25.332%	$215,323							$215,323	25%	$212,500	$106,250
Town of St. Johnsbury	Frost Avenue Sewer Main	$37,184	26.996	-3.52%	1.000	4.60%	1.0	28.996	28.996%	$20,297							$20,297	25%	$17,500	$8,750
Town of Windsor, Vermont	Pump Stations Upgrade	$39,050	23.332	-9.77%	2.000	4.00%	0.0	25.332	25.332%	$88,967							$88,967	25%	$87,800	$43,900
Town of Richmond	East Main Street Sewer Replacement	$74,011	0.000	-3.21%	1.000	2.70%	0.0	1.000	1.000%	$410							$410	1%		
Town of Ryegate	Filter Bed #2 Reconstruction	$52,500	0.000	1.36%	0.000	5.00%	2.0	2.000	2.000%	$1,200							$1,200	2%		
Town of Richmond	West Main Street Sewer Extension	$74,011	0.000	-3.21%	1.000	2.70%	0.0	1.000	1.000%	$9,690							$9,690	1%		
Town of Castleton	Crystal Heights Sewer	$54,193	0.000	-4.35%	1.000	4.80%	1.0	2.000	2.000%	$6,468							$6,468	2%		

Extended Portion Of Intended Use Plan Project Funding List*

ADDISON TOWN
ALBANY TOWN
Albany Village
ALBURG TOWN
Alburgh Fire District #1
Alburgh Village
Algiers Fire District #1
ANDOVER TOWN
ARLINGTON TOWN
ATHENS TOWN
BAKERSFIELD TOWN
Bakersfield Fire District #1
BALTIMORE TOWN
BARNARD TOWN
BARNET TOWN
BARRE CITY
BARRE TOWN
BARTON TOWN
Barton Village
Bellows Falls Village
BELVIDERE TOWN
BENNINGTON TOWN
BENSON TOWN
BERKSHIRE TOWN
BERLIN TOWN
BETHEL TOWN
BLOOMFIELD TOWN
BOLTON TOWN
BRADFORD TOWN
BRAINTREE TOWN
BRANDON TOWN
Brandon Fire District #1
Brandon Fire District #2
BRATTLEBORO TOWN
BRIDGEWATER TOWN
BRIDPORT TOWN
BRIGHTON TOWN
BRISTOL TOWN
Bristol Village
BROOKFIELD TOWN
BROOKLINE TOWN
BROWNINGTON TOWN
BRUNSWICK TOWN
BURKE TOWN
BURLINGTON CITY
CABOT TOWN
Cabot Village
CALAIS TOWN
CAMBRIDGE TOWN
Cambridge Village
CANAAN TOWN
CASTLETON TOWN
Castleton Fire District #1
Castleton Fire District #3
CAVENDISH TOWN
Cavendish Fire District #1
Cavendish Fire District #2
CHARLESTON TOWN
CHARLOTTE TOWN
CHELSEA TOWN
CHESTER TOWN
CHITTENDEN TOWN
CLARENDON TOWN
COLCHESTER TOWN
Colchester Fire District #1
Colchester Fire District #2
Colchester Fire District #3
Cold Brook Fire District #1
CONCORD TOWN
CORINTH TOWN
CORNWALL TOWN
COVENTRY TOWN
CRAFTSBURY TOWN
DANBY TOWN
Danby-Mt. Tabor Fire District#1
DANVILLE TOWN
Danville Fire District #1
DERBY TOWN
Derby Center Village
Derby Line Village
DORSET TOWN
DOVER TOWN
DUMMERSTON TOWN
DUXBURY TOWN
EAST HAVEN TOWN
EAST MONTPELIER TOWN
EDEN TOWN
ELMORE TOWN
Enosburg Falls Village
ENOSBURG TOWN
ESSEX TOWN
Essex Junction Village
FAIR HAVEN TOWN
FAIRFAX TOWN
FAIRFIELD TOWN
Fairfield Fire District #1
FAIRLEE TOWN
FAYSTON TOWN
FERRISBURGH TOWN
Ferrisburgh Fire District #1
FLETCHER TOWN
FRANKLIN TOWN
GEORGIA TOWN
GLOVER TOWN
GOSHEN TOWN
GRAFTON TOWN
GRANBY TOWN
GRAND ISLE TOWN
Grand Isle Fire District #4
Graniteville Fire District #4
GRANVILLE TOWN
GREENSBORO TOWN
GROTON TOWN
Groton Village
GUILDHALL TOWN
GUILFORD TOWN
H2O F.F.D. #2 (Fairfield 2)
HALIFAX TOWN
HANCOCK TOWN
HARDWICK TOWN
HARTFORD TOWN
HARTLAND TOWN
HIGHGATE TOWN
HINESBURG TOWN
HOLLAND TOWN
HUBBARDTON TOWN
HUNTINGTON TOWN
Huntington Woods Fire District
HYDE PARK TOWN
Hyde Park Village
IRA TOWN
IRASBURG TOWN
ISLE LA MOTTE TOWN
Jacksonville Village
JAMAICA TOWN
JAY TOWN
Jeffersonville Village
JERICHO TOWN
Jericho Fire District #1
Jericho Village
JOHNSON TOWN
Johnson Village
KILLINGTON TOWN
KIRBY TOWN
LANDGROVE TOWN
LEICESTER TOWN
LEMINGTON TOWN
LINCOLN TOWN
LONDONDERRY TOWN
LOWELL TOWN
LUDLOW TOWN
Ludlow Village
LUNENBURG TOWN
Lunenburg Fire District #1
Lunenburg Fire District #2
LYNDON TOWN
Lyndonville Village
MAIDSTONE TOWN
MANCHESTER TOWN
Manchester Village
MARLBORO TOWN
MARSHFIELD TOWN
Marshfield Village
MENDON TOWN
MIDDLEBURY TOWN
MIDDLESEX TOWN
MIDDLETOWN SPRS TOWN
MILTON TOWN
MONKTON TOWN
MONTGOMERY TOWN
MONTPELIER CITY
Montpelier Fire District #1
MORETOWN TOWN
MORGAN TOWN

MORRISTOWN TOWN
Morrisville Village
MOUNT HOLLY TOWN
MOUNT TABOR TOWN
NEW HAVEN TOWN
NEWARK TOWN
NEWBURY TOWN
Newbury Village
NEWFANE TOWN
Newfane Village
NEWPORT CITY
NEWPORT TOWN
North Bennington Village
North Branch Fire District #1
NORTH HERO TOWN
North Troy Village
North Westminster Village
NORTHFIELD TOWN
Northfield Village
NORTON TOWN
NORWICH TOWN
Norwich Fire District #1
Old Bennington Village
ORANGE TOWN
Orleans Village
ORWELL TOWN
PANTON TOWN
PAWLET TOWN
PEACHAM TOWN
Peacham Fire District #1
Perkinsville Village
PERU TOWN
PITTSFIELD TOWN
PITTSFORD TOWN
Pittsford Fire District #1
PLAINFIELD TOWN
PLYMOUTH TOWN
POMFRET TOWN
POULTNEY TOWN
Poultney Village
POWNAL TOWN
Pownal Fire District #2
PROCTOR TOWN
PUTNEY TOWN
RANDOLPH TOWN
Randolph Fire District #1
Randolph Village
READING TOWN
READSBORO TOWN
RICHFORD TOWN
Richford Village
RICHMOND TOWN
RIPTON TOWN
ROCHESTER TOWN
ROCKINGHAM TOWN
ROXBURY TOWN
ROYALTON TOWN
Royalton Fire District #1
RUPERT TOWN
RUTLAND CITY
RUTLAND TOWN
Rutland Town Fire District #1
Rutland Town Fire District #4
Rutland Town Fire District #5
Rutland Town Fire District #8
Rutland Town-Mendon FD#2
RYEGATE TOWN
Ryegate Fire District #2
SALISBURY TOWN
SANDGATE TOWN
Saxtons River Village
SEARSBURG TOWN
SHAFTSBURY TOWN
SHARON TOWN
SHEFFIELD TOWN
SHELBURNE TOWN
SHELDON TOWN
Sherburne Fire District #1
SHOREHAM TOWN
SHREWSBURY TOWN
SOUTH BURLINGTON CITY
South Burlington Fire District #1
South Georgia Fire District #1
SOUTH HERO TOWN
South Hero Fire District #4
South Ryegate Village
SPRINGFIELD TOWN
SAINT ALBANS CITY
SAINT ALBANS TOWN
SAINT GEORGE TOWN
SAINT JOHNSBURY TOWN
STAMFORD TOWN
STANNARD TOWN
STARKSBORO TOWN
STOCKBRIDGE TOWN
STOWE TOWN
STRAFFORD TOWN
STRATTON TOWN
SUDBURY TOWN
SUNDERLAND TOWN
SUTTON TOWN
SWANTON TOWN
Swanton Village
THETFORD TOWN
TINMOUTH TOWN
TOPSHAM TOWN
TOWNSHEND TOWN
Townshend Village
TROY TOWN
TUNBRIDGE TOWN
UNDERHILL TOWN
VERGENNES CITY
VERNON TOWN
VERSHIRE TOWN
VICTORY TOWN
WAITSFIELD TOWN
WALDEN TOWN
WALLINGFORD TOWN
Wallingford Fire District #1
Wallingford Fire District #2
WALTHAM TOWN
WARDSBORO TOWN
WARREN TOWN
WASHINGTON TOWN
Washington Fire District #1
WATERBURY TOWN
Waterbury Village
WATERFORD TOWN
WATERVILLE TOWN
WEATHERSFIELD TOWN
Websterville Fire District #3
WELLS TOWN
Wells River Village
West Burke Village
WEST FAIRLEE TOWN
WEST HAVEN TOWN
WEST RUTLAND TOWN
WEST WINDSOR TOWN
WESTFIELD TOWN
WESTFORD TOWN
WESTMINSTER TOWN
Westminster Village
WESTMORE TOWN
WESTON TOWN
WEYBRIDGE TOWN
WHEELOCK TOWN
WHITING TOWN
WHITINGHAM TOWN
WILLIAMSTOWN TOWN
WILLISTON TOWN
WILMINGTON TOWN
WINDHAM TOWN
WINDSOR TOWN
WINHALL TOWN
Winhall-Stratton Fire District
WINOOSKI CITY
WOLCOTT TOWN
WOODBURY TOWN
WOODFORD TOWN
WOODSTOCK TOWN
Woodstock Village
WORCESTER TOWN
Worcester Fire District #1

*Note: The Towns listed in this table include all political subdivisions therein, whether such subdivisions are specifically included on the listing in their own names or not.