



Clean Water Fund

Financial Assistance Programs Municipal Water Pollution Control State Fiscal Years 2016 and 2017

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Section 1: Program Authorization and Objectives

Authorizations:

The purpose of this document is to present the Department of Energy & Environmental Protection's (Department or DEEP) state and federal funding assistance programs for municipal and state water pollution control projects during state fiscal years 2016 (FY16: July 1, 2015 - June 30, 2016) and 2017 (FY17: July 1, 2016 - June 30, 2017). This document describes the uses of funds available under Sections 22a-446 and 22a-483 of the Connecticut General Statutes (CGS) and federal funds under the Water Quality Act of 1987.

A public hearing on this document (hereafter referred to as "the priority list") will be held at DEEP Headquarters on April 19, 2016 at 9:30 am in the 5th floor auditorium of 79 Elm Street, Hartford, Connecticut in accordance with state and federal regulations regarding public participation. The priority list will be made available to local officials, consulting engineers, and other government agencies involved with the projects prior to the hearing. All changes suggested as a result of oral and written testimony presented at the hearing will be considered. After evaluating all such comments, the final priority list will be forwarded to the Commissioner of Energy & Environmental Protection for adoption.

Currently, the Department is funding projects in accordance with the FY14 and FY15 Priority List. The unallocated balances from that priority list were considered in the development of FY16 and FY17 Priority List. The anticipated funding for the next two-year planning period is as follows:

	FY16 Funds Authorized	FY17 Funds Authorized
State General Obligation Bonds	\$45,000,000	\$ 90,000,000
State Revenue Bonds	\$31,000,000	\$180,000,000
Federal Capitalization Grant	\$16,369,000	\$ 17,000,000 ⁽¹⁾
(1) Anticipated grant level		

Requirements of the Federal Capitalization Grant:

The anticipated requirements for the federal FY16 and federal FY17 Capitalization Grants are as follows:

- 10% of the grant shall be used for green infrastructure, energy efficiency, or other environmentally innovative projects. The projects that are deemed eligible for funding are identified in Section 3b;
- 0% to 30% of the Federal Capitalization Grant shall be applied as grant;

Funding Levels Based Upon Project Type:

The Clean Water Fund program is defined by Sections 22a-475 through 22a-483 of the CGS and by regulations adopted February 19, 1992 pursuant to CGS 22a-482. The State's Clean Water Fund program provides grants equal to 20% of the eligible project costs and a loan for the remainder of the project costs to be repaid over not more than 20 years at 2% interest for most water pollution control projects. Exceptions to this are noted below.

Combined Sewer Overflow (CSO) projects receive grants equal to 50% of the eligible project costs and a loan for the remainder of the project costs to be repaid over not more than 20 years at 2% interest.

Nutrient (Nitrogen or Phosphorus) Removal projects receive grants equal to 30% of the project costs associated with nutrient removal, and 20% grants on the balance of the eligible project costs. The remainder of the costs is funded with a loan to be repaid over not more than 20 years at 2% interest. In addition, a new funding reserve has been created in Section 3b of this priority list, which shall offer 50% grant/50% loan for construction related to phosphorus removal, for the remaining prequalified municipal treatment facilities (Southington, Danbury, Meriden, Ridgefield South Street plant).

Small Community projects receive grants of 25% of the eligible project cost and a loan for the remainder of the costs to be repaid over not more than 20 years at 2% interest.

Collection System Improvement projects are eligible for a 2% interest loan.

Management System

As required by Section 22a-482-1(b) of the Regulation of Connecticut State Agencies (RCSA), a priority list is established for the purpose of determining funding assistance available for sewerage projects. This list is effective upon adoption and shall remain in effect until adoption of the subsequent priority list. The intended effective period is from the date of adoption through June 30, 2017.

The priority list management system (Section 22a-482-1(c)(1) through (5) of the RCSA) includes sections on priority rating criteria, project ranking mechanism, order of priority funding, public hearing and revisions to the priority list. The priority list has been developed in accordance with such system.

This document incorporates the priority ranking systems for grant-eligible priority projects and the loan-only collection system improvement projects, and includes listing of the fundable and future projects for both programs. It also incorporates the details of separate programs for funding water pollution control projects for state-owned facilities.

Projects will be removed from the priority list if they have been fully funded by the Clean Water Fund, if funded by any other means, if no longer eligible for funding, or if the municipality withdraws the project from consideration.

Reserves

In developing the fundable portion of the priority list and the intended use plan, the State has established a number of set-asides and reserves required or allowed under federal and state regulations. Reserves have been considered for:

- (a) Program administrative costs
- (b) Water quality management
- (c) Cost increases
- (d) Planning projects
- (e) Design projects
- (f) Small community projects
- (g) Phosphorus removal
- (h) Infiltration and inflow rehabilitation projects
- (i) Pump station rehabilitation projects
- (j) Green infrastructure projects
- (k) Collection system improvement projects

Program Administrative Costs

The costs of administering the Clean Water Fund are covered by a combination of Federal grants and state bonds. Section 35.2020(a) of the Code of Federal Regulations provides that the State may set aside from the federal capitalization grant of FY16 and FY17 a reserve not to exceed 4 percent of Title VI appropriations for the purpose of administration. In addition to these federal dollars, the state may set aside an amount not to exceed 4 percent of the total bonding authorization to cover the reasonable costs of administering the program. These administrative expenses are allowed in accordance with appropriate tax laws and bonding practices.

Water Quality Management

Section 604(b) of the 1987 Amendment to the Federal Act is applicable to Title VI only. This section is intended to provide a funding source to states for water quality management planning as defined by 205(j) and 303(e) of the Federal Act. The funding level is one percent of the total state allotment or \$100,000, whichever is greater. Accordingly, \$165,000 has been reserved from federal FY16 and \$170,000 from federal FY17 for this purpose.

Small Communities

A “small community” means a municipality with a population of 5,000 or less, or highly dispersed sections of large municipalities. The regulations adopted pursuant to CGS Section 22a-482 require that a reserve of funds sufficient to finance the construction of at least one small community project per year be established.

Revisions to the Priority List

The Department reserves the right to evaluate the usage of funds in all of the reserves and the fundable construction projects at any time during the last six months of each fiscal year and to reallocate underutilized funds into any other reserve or construction project as determined by the Commissioner. This shall be done in accordance with the requirements of Section 22a-482-1 (c) (5) (Revisions to the Priority List) of the RCSA.

Revisions of the priority list may be made at any time during the funding period in accordance with public participation requirements and all other established procedures. A public hearing with appropriate notice shall be held on all significant changes to the list and all parties affected by such changes will be notified directly. If the State determines that a change must be made and that such a change is not significant, or the affected municipality has been previously notified, a public hearing may be waived.

Section 2: Meeting Future Clean Water Fund Demands and Economic Benefits to the State

The FY16 and FY17 state capital budget will continue a trend of generous support for the ongoing improvement of our aging wastewater infrastructure. Current funding authorizations will further stimulate our recovering economy through the creation or retention of jobs for construction contractors, equipment manufacturers, construction materials suppliers, design and management professionals, and supporting businesses and industries. The availability of CWF financing will reduce the burden on ratepayers and taxpayers from stable, low interest financing as well as grant dollars to municipal wastewater treatment authorities.

Despite these recent gains and successes, the need for CWF financing continues to exceed available resources. Consistent with the priority list scoring process (See Section 3a) and in accordance with the RCSA Section 22a-482-1(c), available funding is proposed to address priority water quality areas. The priority needs of the state still remain achieving CSO abatement as required under Long Term Control Plans, meeting the nitrogen load allocation required by the Total Maximum Daily Load (TMDL) for the Long Island Sound and phosphorus reduction to control nutrient enrichment of streams. Although this priority list also has reserves for funding green infrastructure, small community projects and collection system improvements; department staff will primarily focus on moving CSO control and nutrient removal (nitrogen and phosphorus) projects out to construction first and then focus on providing the necessary support to move the various funding reserves forward.

Other issues that will likely add to the CWF demands, but for which costs cannot be precisely determined at this time include:

- Tighter effluent limits for metals;
- Control of pharmaceuticals and personal care products; and
- Adaptation to address climate change effects of flooding and sea level rise.

Section 3: Municipal Funding Programs

Section 3a: Priority Project Grant-Loan Program

Priority Project Ranking System

Regulations adopted pursuant to CGS 22a-439 and 22a-482 (Section 22a-482-1(c) of the RCSA) and under 40 CFR Part 35 specify the use of a priority system for determining the funding of municipal projects. The priority system contained herein is consistent with the Water Quality Act of 1987.

The priority system and priority list include project information and point ratings which become the basis for committing available and anticipated state and federal funds. Projects on the priority list are rated on several criteria which emphasize the impact of each upon public health, the improvement of water quality and water resource utilization. Both, the federal regulations governing the development of this document, 40 CFR 35.2015 and 35.2020, and state law, CGS 22a-439 and 22a-478, stress the need to fund projects which improve "priority water quality areas", i.e. specific stream segments or bodies of water where municipal discharges have resulted in the impairment of a designated use or significant public health risk, and where the reduction of pollution from the municipal discharges will substantially restore surface or groundwater uses. Based on the priority rating system and other specific management criteria, all anticipated eligible sewerage projects as requested by the municipalities or identified by DEEP have been ranked for funding purposes and appear on the priority list. Additional projects will be added if requested by any municipality during the public comment period, including the day of the public hearing.

The priority list contains two portions: the fundable portion, consisting of those projects anticipated to be funded from any unobligated balance of prior year carry-over funds and the FY16 and FY17 allotments; and the future portion consisting of projects that may be funded from future authorized allotments in FY18 and beyond (Table 2). The priority rating score, which is developed

from the priority rating system for every project, becomes the prime consideration in the overall priority list ranking.

The criteria, which establish the priority rating number, are shown below. The application of this rating system to each individual project request that was received is shown in Table 1. Note that the criteria are evaluated against existing conditions, and not against future, 20-year flow projections. In cases where the priority rating number is the same for two or more projects, preference will be given to that project ready to proceed at the earliest date.

- I. Project impacts potable water supply – (10 points maximum).**
 - A. Impaired water supply affecting less than 25 people – 2 points.
 - B. Impaired water supply affecting 26 to 100 people – 4 points.
 - C. Impaired water supply affecting 101 to 1,000 people – 6 points.
 - D. Impaired water supply affecting 1,001 to 5,000 people – 8 points.
 - E. Impaired water supply affecting more than 5,000 people – 10 points.

- II. Project is necessary for attainment of State water quality goals – (28 points maximum)**
 - A. Project is necessary for attainment of water quality standards where the impacted water resource is:
 - 1. Smaller than main stem of a sub-regional drainage basin or groundwater goals will be attained – 5 points.
 - 2. Main stem of sub-regional drainage basin – 10 points.
 - 3. Main stem of regional drainage basin – 15 points.
 - 4. Main stem of major drainage basin – 20 points.
 - 5. Projects which impact coastal areas are considered the equivalent of a regional drainage basin and assigned – 15 points.
 - B. Project will enable the water body to meet minimum dissolved oxygen standards – 8 points.

- III. Project will enhance specific water resource values – (24 points maximum).**
 - A. Fishery resources - (6 points maximum).
 - 1. Project will improve recreational fisheries – 3 points.
 - 2. Project will improve anadromous fisheries – 6 points.
 - 3. Project will open new streams for fish stocking programs – 6 points.
 - B. Shellfish resources – (6 points maximum).
 - 1. Project will lower coliform bacterial levels in the waters of shellfish beds – 3 points.
 - 2. Project will open new areas for shell fishing – 6 points.
 - C. Swimming – (6 points maximum).
 - 1. Project will enhance existing swimming opportunities – 3 points.
 - 2. Project will allow for new swimming opportunities – 6 points.
 - D. Eutrophication – (6 points maximum).
 - 1. Project will reduce eutrophication of a lake or impoundment by diverting septic system discharges out of a drainage basin – 3 points.
 - 2. Project will reduce eutrophication of a lake or impoundment by providing nutrient removal in a municipal treatment plant or by relocating an existing treatment plant discharge – 6 points.

IV. Population equivalent (including commercial and industrial waste) initially served by the project – (12 points maximum).

- | | |
|--------------------------------|------------|
| A. Less than 5,000 | 2 points. |
| B. 5,000 but less than 10,000 | 4 points. |
| C. 10,000 but less than 20,000 | 6 points. |
| D. 20,000 but less than 40,000 | 8 points. |
| E. 40,000 but less than 75,000 | 10 points. |
| F. 75,000 or greater | 12 points. |

V. Health Related Issues - (6 points).

Project will eliminate ponding of sewage from failing septic systems, backup of sewage into basements, or overflow of sewage in streets (CSO correction projects are not eligible for points).

VI. Miscellaneous – (20 points maximum).

- | | |
|--|-----------|
| A. Project involves the upgrading of an existing primary facility in order to comply with secondary treatment standards – | 5 points. |
| B. Project will result in the DE[E]P rescinding an Order concerning a sewer connection moratorium – | 5 points. |
| C. Project will eliminate nuisance odors associated with treatment processes or pump stations but exclusive of large-scale expansion or upgrading of treatment facilities – | 5 points. |
| D. Remedial action will improve treatment plant operations where treatment standards are already being achieved (Note that projects receiving points under this category cannot also claim points under category VIII) – | 5 points. |

VIII. Implementation of Long Island Sound TMDL

All projects which are designed to meet the final goals for nitrogen reduction per the Long Island Sound TMDL continue to receive points under this criterion. In order to prioritize the projects based on net impacts to Long Island Sound, a range of 15 to 32 points, rounded to the nearest whole number, based on their equalized baseline load, was established. This is in lieu of assigning each such project the full 32 points from Categories II.A.5 (15 pts), II.B (8 pts), III.A.1 (3 pts) and III.D.2 (6 pts). The actual formula for determining the points for each facility under this criterion is:

$$\text{Priority Points} = 14 + (\text{equalized baseline load, in lbs/day})^{0.368}$$

Once a facility has been constructed that is designed to or has demonstrated the ability to achieve the final nitrogen permit limit, it is no longer eligible for priority points under this criteria. This criteria constitutes a deviation from the existing regulations and has been approved by an action of the Commissioner dated February 2, 2002 and has been consistently applied.

Projects incorporating both phosphorus and nitrogen removal components shall only receive credit for one type of nutrient removal. These types of projects shall be rated two separate ways: the first score shall include points for phosphorus removal and no points under category VIII for nitrogen removal; the second score shall include points for nitrogen removal under category VIII, with no credit for phosphorus removal. The greater of the two scores shall carry forward.

New Administrative Requirements

The terms of financing construction projects will change. Recently, the amount of funding committed to projects has increased significantly. The majority of this funding has been dedicated to construction projects. The terms of construction financing has been that repayments on those construction loans do not begin until after the construction work has been completed. Unfortunately, that arrangement for construction financing is no longer sustainable since too much funding is tied up in construction financing for three to five years and loan repayments back to the state are too low to meet the cash flow needs of the CWF program. In order to enhance the cash flow position of the CWF program and continue to fund projects when municipalities are ready to proceed to construction, several changes as outlined below will be implemented:

1. Projects with loans exceeding \$40 million shall be subject to annual permanent loan obligation (PLO) closings. Instead of waiting one year after construction is completed to begin repayment, the municipality shall be required to begin repayment one month after each annual PLO closing.
2. The Clean Water Fund shall no longer grant extensions to the Schedule Completion Date in the Clean Water Fund agreement if it results in extending the loan payment schedule.
3. In order for any Clean Water Fund construction application to be deemed complete, the municipality shall have opened bids for all projects listed in the application. If a municipality desires to minimize the number of Clean Water Fund agreements, the Department is willing to make a commitment to fund projects as they are bid and then aggregate those commitments into a single funding agreement, provided there are sufficient funds.

Another new administrative requirement of funding is that the municipality shall submit a Fiscal Sustainability Plan to the department prior to when the final CWF payment is made on a construction project. Further guidance on this requirement will be posted on DEEP's website.

Category I, II and III Projects

The priority rating system also includes a project ranking mechanism as permitted by federal and state regulations. The ranking system allows the State to put certain lower priority projects in a favorable position for funding for certain specific reasons. Any project listed in Category I, II, or III will be funded first without regard to priority points prior to funding other construction projects in order of priority points. In general, the rank of the project depends on its priority number, but the Commissioner **may**, in accordance with Clean Water Fund regulations, choose to assign a higher rank for projects which fall into one of the following categories:

Category I - Consists of projects for which:

- A complete financing application for construction was submitted to the DEEP for review during the previous funding period,
- The projects were on the fundable portion of the year's priority list, and
- A Clean Water Fund agreement has not been executed for the project.

These applications have undergone preliminary review and represent the good faith efforts of the municipality to comply with program requirements. Funding for planning and design, initially funded by the municipality, may be recouped in the future, if the construction of the project is awarded Clean Water Fund assistance. It should be stressed that any project placed in this category must come from the fundable portion of the previous priority list.

Category II - Consists of projects where previously funded segments of pollution abatement facilities have been built and are not usable or are severely restricted in use until the remainder of the project is fully constructed and operational.

Category III - Consists of projects which remedy documented pollution of potable water supplies.

At this time, no Category I, II or III projects have been selected for funding.

Fundable FY16 Projects: Construction
(In Order of Priority Points)

<u>Pts.</u>	<u>CWF #</u>	<u>Municipality</u>	<u>Description</u>	<u>Project Funding</u>
43	TBD	Hartford MDC	WPCF Upgrade: Sludge Processing ⁽²⁾	\$48,000,000
38	TBD	New Haven	CSO Relief Sewers	\$1,000,000
38	TBD	New Haven	CSO: Utility Relocation	\$2,000,000
35	TBD	Hartford MDC	CSO South Hartford Conveyance & Storage Tunnel: Contract 2	\$310,000,000
33	TBD	Bridgeport	CSO Elimination Projects	\$15,000,000
33	487	Middletown	Pump Station ⁽³⁾	\$32,000,000
31	TBD	Thompson	WPCF Upgrade: Phosphorus	\$600,000
27	517	Farmington	WPCF Upgrade: Denitrification	\$67,000,000

Fundable FY17 Projects: Construction
(In Order of Priority Points)

<u>Pts.</u>	<u>CWF #</u>	<u>Municipality</u>	<u>Description</u>	<u>Project Funding</u>
43	TBD	Hartford MDC	WPCF Upgrade: Denitrification ⁽²⁾	\$17,000,000
43	TBD	Hartford MDC	WPCF Upgrade: Incinerator ⁽²⁾	\$4,000,000
38	TBD	New Haven GNH	West River CSO Projects	\$10,000,000
38	TBD	East Hartford MDC	WPCF Upgrade: East Hartford Denitrification	\$4,500,000
37	546	Torrington	WPCF Upgrade: Nitrogen / Phosphorus Removal	\$65,000,000
35	TBD	Hartford MDC	CSO Elimination: Kane Brook Area	\$21,000,000
35	TBD	Plainville	WPCF Upgrade: Phosphorus	\$11,000,000
32	652	Norwich	WPCF Upgrade: Denitrification	\$100,000,000
32	TBD	Killingly	WPCF Upgrade: Phosphorus	\$22,500,000
31	TBD	Thomaston	WPCF Upgrade: Phosphorus	\$700,000

(1) TBD – Clean Water Fund number to be determined at time of agreement execution.

(2) These contracts are part of the larger Hartford WPCF Denitrification upgrade, which has been assessed to receive 43 priority points.

(3) The Middletown project is a WPCF abandonment, and the construction of a pump station and force main to convey the wastewater for treatment at the Mattabassett District WPCF. The FY16 funding is for the pump station project.

- (4) Funding for phosphorus reduction projects to meet the interim phosphorus policy is contingent on the municipality having a current NPDES permit with phosphorus limits.

Section 3b: Set-Asides and Reserves

As previously noted, in developing the fundable portion of the priority list and the intended use plan, the State has established a number of set-asides and reserves required or allowed under federal and state regulations. These reserved funds are accessed on a first-come, first-served basis unless otherwise noted, and do not rely on a priority point score for allocation to qualifying municipalities.

The Department has started issuing NPDES permits to wastewater treatment plants that have phosphorus limits. In 2013, in anticipation of these new phosphorus limits, Public Act No. 13-239 expanded the types of projects eligible for 30% grant (historically reserved for nitrogen removal projects) to include all nutrient removal projects. As an additional incentive, Public Act No. 13-239 further increased the project grant for fast-tracked phosphorus removal projects to 50%, to be awarded to the first three construction contracts executed before July 1, 2018. In 2014, Public Act 14-13 expanded the number of projects eligible for the 50% phosphorus grant. To administer the 50% phosphorus grant, a new funding set-aside has been established for prequalified phosphorus removal construction projects.

Climate change and green infrastructure are two areas where the Department provided funding in the FY14-15 Priority List. In 2015, Public Act 15-1 was passed in the June Special Session of the Connecticut General Assembly, which included the following general obligation bond authorizations:

- \$20 million in FY 16 for a Long Island Sound stewardship and resiliency program; and
- \$20 million in FY 16 for a grant-in-aid program to encourage low-impact design of green municipal infrastructure to reduce non-point source pollution.

The funding for Public Act 15-1 shall be administered by the Department separately from the Clean Water Fund.

After learning lessons from Hurricane Sandy in 2012, extreme weather conditions continue to remind us that climate adaptation remain an issue that all municipal wastewater infrastructure must consider. In 2013, Public Act No. 13-15 (which modified Section 22a-478 of the Connecticut General Statutes) passed requiring wastewater improvement projects that may be affected by sea level rise to consider in the project's design, ways to mitigate the impact of sea level rise. On October 29, 2015, the Governor issued Executive Order No. 50 which established a state council on storm resiliency. And recently, the New England Interstate Water Pollution Control Commission issued guidance on the design of wastewater treatment and conveyance systems to address storm resiliency. To support climate change mitigation, the Department now requires all Clean Water Fund projects to include the following evaluations:

- Energy audits for any wastewater treatment plant that has not already received a Clean Water Fund agreement for a complete treatment plant upgrade.
- Assessment of the risk to existing wastewater infrastructure from climate change (rising sea levels, increased storm intensities, and coastal flooding) and an evaluation of alternatives for remedial actions.

Reserve for Cost Increases

FY16	\$45,000,000
FY17	\$0

This reserve is intended for construction cost increases on previously funded projects. The remaining funds will be distributed on a first come, first served basis.

Reserve for Planning Projects
(55% grant)

FY16	\$15,000,000
FY17	\$15,000,000

Planning funds will be distributed on a first come, first served basis (as complete applications are filed) until the funds are depleted. In order for a planning project to be eligible, Quality Based Selection (QBS) must be used to choose an engineering consultant for that specific project.

After the planning reserve funds are depleted, municipalities may proceed with planning by utilizing local funds, and retain eligibility for future reimbursement of eligible costs provided the municipality has received prior written approval of the fees and scope of work from the Department. Municipalities that expend funds for eligible planning efforts without receiving prior written approval from the Department will not be eligible for reimbursement at a later date.

Municipalities may apply for funding under this reserve for the following types of planning studies:

- Fiscal Sustainability Plans (FSP) to ensure proper management of the wastewater utility's assets;
- Engineering evaluations of phosphorus removal technologies; and
- Studies to determine the effectiveness of incorporating green infrastructure technologies into CSO mitigation projects associated with the implementation of CSO Long Term Control Plans.

Reserve for Design Projects

(Non-CSO: 20% grant/80% Loan; CSO: 50% grant/50% Loan)

FY16	\$30,000,000
FY17	\$30,000,000

Design funds will be made available only for those projects that can be expected to be reached on the priority list for construction funding within three years. For this priority list, design funds for both CSO and non-CSO projects will come from this single reserve.

For design costs associated with collection system improvements, the Department will not process separate design agreements. Rather, the Department will require the municipalities to seek prior written approval on the design fees and to then complete design with local financing. The municipality may then recoup the design cost by including them in the construction application for Clean Water Fund financing. This process is permitted by RCSA Section 22a-482-2(d)(3) of the Clean Water Fund Regulations.

Design funds will be awarded on a first-come first-served basis (as complete applications are filed) until the funds run out. After that, municipalities may proceed with design by utilizing local funds, and retain eligibility for future reimbursement of eligible costs provided the municipality has received prior written approval of the fees and scope of work from the Department. In such cases, funding for design may be recouped at the time the construction of the project is awarded Clean Water

Fund assistance. Municipalities that expend funds for eligible design efforts without receiving prior written approval from the Department will not be eligible for reimbursement at a later date.

Reserve for Construction of Green Infrastructure

<u>(Non-CSO: 20% grant/80% Loan; CSO: 50% grant/50% Loan)</u>	FY16	\$2,000,000
	FY17	\$2,000,000

There is interest to improve the quality of the stormwater before it reaches the receiving stream, minimize the amount of combined sewage that discharges into the environment, and provide alternative means of providing electrical energy at treatment plants. This reserve includes the following types of construction projects:

- Cost-effective renewable energy components at treatment plants (20% grant/80% loan);
- Community demonstration projects of green infrastructure technologies to promote infiltration of stormwater into the ground in combined sewer overflow areas (50% grant/50% loan), for CSO communities that are working toward compliance with their CSO Long Term Control Plans (Bridgeport WPCA, the Greater New Haven WPCA, the Metropolitan District, and Norwich Public Utilities).

Reserve for Construction of Small Community Projects

<u>(25% Grant/75% Loan)</u>	FY16	\$4,000,000
	FY17	\$41,000,000

This set-aside allows for the funding of small community projects that will mitigate an existing documented community pollution problem. In Marlborough, the Lake Terramuggus Town Center sewer project requested \$4,000,000 for Phase III (FY16) and \$4,000,000 for Phase IV (FY17).

The remaining funding in the FY17 set-aside shall be awarded to Old Lyme sewer projects (Town, Miami Beach, Old Colony Beach, or Old Lyme Shores) on a first-come first-served basis.

Reserve for Phosphorus Removal Projects

<u>(50% Grant/50% Loan)</u>	FY16	\$0
	FY17	\$50,000,000

Construction work funded under this reserve will be limited to phosphorus removal only. In accordance with Public Acts 13-239 and 14-13, this funding will also be limited to the following prequalified municipal facilities: Southington, Danbury, Meriden, and Ridgefield Main (South Street) plants, and shall be awarded on a first-come first-served basis.

Section 3c: Collection System Improvement Program

In accordance with Section 22a-478(c)(8) of the CGS, the funding of collection system improvement projects is permissive (“sewer collection system improvements may receive a loan for one hundred percent of the eligible cost....”). This is different from the priority project grant-loan program which is obligatory if funding is available.

It is important to note that this program is a subset of the Clean Water Fund and the only changes to the Clean Water Fund program are the funding level and the requirement for a separate priority system. All other aspects of the Clean Water Fund program, including the statutes and regulations, cost effectiveness of projects and environmental review apply to the collection system

improvement program. All administrative procedures applicable to the Clean Water Fund program apply to the collection system improvement program as well.

As indicated in Section 3b, the Department will not process separate design agreements for collection system improvements. Rather, the Department will require the municipalities to seek prior written approval on the design fees and to then complete design with local financing rather than a Clean Water Fund loan. The municipality may then recoup the design cost by including them in the construction application for Clean Water Fund financing. This process is permitted by RCSA Section 22a-482-2(d)(3) of the Clean Water Fund Regulations.

Category I – Consists of projects for which a financing application was submitted to the DEEP for review during the previous funding period and the projects were on the fundable portion of that year’s priority list. These applications have undergone preliminary review, are essentially complete and represent the good faith efforts of communities to comply with program requirements. It should be stressed that any project placed in this category must come from the fundable portion of the previous year’s priority list.

Fundable FY16 and FY17 Construction Projects (Collection System Improvement Program)

Reserve for Construction of Collection System Improvement Projects (Loan Only)

FY16	\$30,000,000
FY17	\$0

This reserve will be available for the following types of sanitary sewer projects:

- Rehabilitation and/or replacement of sanitary sewers that cannot be adequately repaired through lining alone;
- Construction of relief sewers in separated sewer systems to address hydraulic overloading of existing sewers;
- Construction of sewers to eliminate sanitary sewer pump stations; and
- Extension of sanitary sewers to solve an existing community pollution problem.

For each municipality, there is a project limit of \$4 million per year and shall be administered on a first come, first served basis. For regional wastewater utilities that are responsible for the operation and maintenance of the entire collection system, the limit per year is \$4 million times the number of communities in the region.

Reserve for Construction of I/I Rehabilitation Projects (Loan Only)

FY16	\$30,000,000
FY17	\$30,000,000

Infiltration / inflow rehabilitation projects are designed to reduce the volume and frequency of extraneous flow (storm and surface water inflow and groundwater infiltration) entering sanitary sewer systems. Projects funded under this reserve minimize sewage overflows resulting from system surcharge, reduce hydraulic overloading and energy consumption, improve treatment efficiency, and reserve capacity for future wastewater needs. For each municipality, there is a project limit of \$4 million per year and shall be administered on a first come, first served basis. For regional wastewater utilities that are responsible for the operation and maintenance of the entire collection system in the region, the limit per year is \$4 million times the number of communities in the region.

Reserve for Construction of Pump Station Rehabilitation Projects
(Loan Only)

FY16	\$20,000,000
FY17	\$15,000,000

Projects funded under this reserve are for pump station improvement projects located in the collection system that result in a reduction in energy consumption, increase resiliency during extreme wet weather events or upgrade the ability to provide emergency power at the pumping station. This reserve shall be administered on a first come, first served basis. For each municipality, there is a total Pump Station Rehabilitation project limit of \$4 million per year.

Table 1: FY 2016 - 2017 Project Priority List Point Score Derivation

CFW #	Town	Description	I	IIA	IIB	3A1	3A2	3A3	3B1	3B2	3C1	3C2	3D1	3D2	IV	V	VIA	VIB	VIC	VID	VII	VIII	IX	Priority Points	Project Cost	
654	Beacon Falls	WPCF Upgrade: Phosphorus		15	8									6	2										31	\$17,000,000
TBD	Bozrah	Small Community: Sewer Extension Franklin-Bozrah													2	6									8	\$12,600,000
TBD	Branford	Pump Station Rehabilitation													4					5					9	\$2,500,000
TBD	Bridgeport	CSO Elimination Projects		15					3		3				12										33	\$15,000,000
TBD	Bridgeport	CSO Elimination: Future Projects		15					3		3				12										33	\$360,000,000
TBD	Bridgeport	CSO Elimination: LTCP Phase 1 Ash Creek Storage Tank		15					3		3				12										33	\$13,000,000
TBD	Bridgeport	Green Infrastructure: Phase 1													12										12	\$3,000,000
658	Bridgeport	Green Infrastructure: Phase 2, Area H													12										12	\$2,700,000
TBD	Bridgeport	I/I Rehabilitation: Sewersheds 56, 91, 92													12					5					17	\$4,000,000
658	Bridgeport	Renewable Energy: LED and Solar Panels													12					5					17	\$1,600,000
TBD	Bridgeport	Resiliency: WPCF Improvements													12					5					17	\$5,500,000
TBD	Bridgeport	WPCF Upgrade: Denitrification / Sludge													12							32		44	\$44,000,000	
TBD	Bristol	Resiliency: WPCF Improvements													10					5					15	\$2,000,000
TBD	Bristol	Sewer Extension: Cedar Lake East Side, Route 69									3		3		2	6									14	\$6,500,000
TBD	Bristol	Sewer Extension: Cedar Lake West Side									3		3		2	6									14	\$2,500,000
TBD	Bristol	Sewer Rehabilitation: East Bristol Relief Sewer, Artisan Street to Farmington Ave													3	2	6								11	\$3,200,000
TBD	Bristol	Sewer Rehabilitation: East Bristol Relief Sewer, Frederick Street to Artisan Street													3	2	6								11	\$4,000,000
TBD	Bristol	WPCF Upgrade: Odor Control - Primary Clarifier Covers													10				5						15	\$600,000
640	Bristol	WPCF Upgrade: Phosphorus		15	8									6	10										39	\$19,000,000
TBD	Canton	I/I Rehabilitation													4					5					9	NA
TBD	Cheshire	I/I Rehabilitation													4					5					9	NA
TBD	Cheshire	Pump Station Rehabilitation: Cook Hill Rd													6					5					11	\$1,200,000
322	Cheshire	Pump Station Rehabilitation: West Johnson Avenue													6					5					11	\$3,400,000
127	Clinton	Small Community: Decentralized Systems		15					3		3				2	6									29	\$56,000,000
TBD	Cromwell	I/I Rehabilitation													4					5					9	\$900,000
TBD	Danbury	I/I Rehabilitation													8					5					13	NA
TBD	Danbury	Pump Station Rehabilitation: Triangle Pump Station Replacement													2					5					7	\$255,000
TBD	Danbury	Pump Station Upgrade: Beaver Brook													2					5					7	\$240,000
TBD	Danbury	Resiliency: Pump Station Emergency Generators Phase I													8					5					13	\$320,000
TBD	Danbury	Resiliency: Pump Station Emergency Generators Phase II													8					5					13	\$550,000
TBD	Danbury	Sewer Rehabilitation & Pump Station Elimination: Mill Plain													2	6									8	\$2,500,000
TBD	Danbury	Sewer Rehabilitation: Hillside													2	6									8	\$315,000
TBD	Danbury	Sewer Rehabilitation: Oakland													2	6									8	\$1,355,000
TBD	Danbury	Sewer Rehabilitation: Sheriden St													2	6									8	\$470,000
TBD	Danbury	Sewer Rehabilitation: West Side Phase II													2	6									8	\$15,000,000
TBD	Danbury	Sewer Rehabilitation: Westville Ave													2	6									8	\$725,000

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CWF #	Town	Description	I	IIA	IIB	3A1	3A2	3A3	3B1	3B2	3C1	3C2	3D1	3D2	IV	V	VIA	VIB	VIC	VID	VII	VIII	IX	Priority Points	Project Cost
TBD	Danbury	WPCF Upgrade: Dewatering Improvements													12					5				17	\$1,345,000
TBD	Danbury	WPCF Upgrade: FOG													12					5				17	\$515,000
TBD	Danbury	WPCF Upgrade: Phosphorus		15	8								6	12										41	\$81,000,000
TBD	Derby	WPCF Upgrade													6					5				11	\$10,000,000
TBD	East Hartford MDC	WPCF Upgrade: East Hartford Denitrification			8										10							20		38	\$4,500,000
TBD	East Haven / Hamden GNH	I/I Rehabilitation: Middle Thorpe Drive Hamden / Areas 5,9, 13 East Haven													6					5				11	\$5,000,000
TBD	East Windsor	Pump Station Rehab: Industrial Park Pump Station Replacement													8					5				13	\$800,000
TBD	East Windsor	Pump Station Rehab: Route 5 Pump Station Replacement													4					5				9	\$1,000,000
TBD	Enfield	I/I Rehabilitation													6					5				11	\$750,000
TBD	Enfield	Pump Station: Rehabilitation/Replacement (Phase 1)													8					5				13	\$4,000,000
TBD	Enfield	Pump Station: Rehabilitation/Replacement (Phase 2)													8					5				13	\$2,000,000
	Enfield	WPCF Upgrade: Sludge / Odor Control													8				5	5				18	\$25,000,000
TBD	Fairfield	I/I Rehabilitation													10					5				15	\$1,000,000
TBD	Fairfield	Pump Station Rehabilitation: Easton Turnpike Pump Station													10					5				15	\$1,500,000
TBD	Fairfield	Pump Station Rehabilitation: Fairfield Beach Pump Station													10					5				15	\$400,000
TBD	Fairfield	Pump Station Rehabilitation: Pine Creek Pump Station													10					5				15	\$400,000
TBD	Fairfield	Resiliency: WPCF Upgrade													10					5				15	\$3,100,000
TBD	Fairfield	WPCF Upgrade: Combined Heat & Power													10					5				15	\$1,900,000
TBD	Farmington	Pump Station Rehabilitation: Batterson Park													8					5				13	\$1,000,000
517	Farmington	WPCF Upgrade: Denitrification													8							19		27	\$67,000,000
TBD	Franklin	Sewer Extension: Franklin-Bozrah													2	6								8	\$10,000,000
643PG	Goshen (Woodridge Lake)	Small Community: WPCF Woodridge Lake: Nitrogen / Phosphorus Removal		5		3							6	2	6					5				27	\$17,500,000
	Greenwich	Private Inflow Source Removal													10					5				15	\$450,000
TBD	Greenwich	Resiliency: Energy Audit/ Alternative Energy and Flood Prevention													10					5				15	\$305,000
	Greenwich	Sewer & Pump Station Rehabilitation: South Water Relief													10					5				15	\$4,000,000
TBD	Greenwich	Sewer Rehabilitation: Force Main													10					5				15	\$3,165,000
TBD	Greenwich	Sewer Rehabilitation													10					5				15	\$5,000,000
	Greenwich	Sewer Rehabilitation: Pump Station Rehab													10	6				5				21	\$1,000,000
	Greenwich	Sewer: Old Greenwich Common Force Main, 1st Segment													10					5				15	\$4,300,000
	Greenwich	Sewer: Old Greenwich Force Main Riverside Railroad Restriction													10					5				15	\$1,000,000
TBD	Greenwich	WPCF Upgrade: Clarifiers													10					5				15	\$4,500,000
	Greenwich	WPCF Upgrade: Grass Island WWTP Denitrification													10					5		28		43	\$8,500,000
TBD	Greenwich	WPCF Upgrade: Grinder Pump Panel													10					5				15	\$300,000
TBD	Greenwich	WPCF Upgrade: Grit System													10					5				15	\$7,300,000

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CWF #	Town	Description	I	IIA	IIB	3A1	3A2	3A3	3B1	3B2	3C1	3C2	3D1	3D2	IV	V	VIA	VIB	VIC	VID	VII	VIII	IX	Priority Points	Project Cost
TBD	Groton Town	Pump Station Rehabilitation: Fishtown Road													8					5				13	\$1,200,000
TBD	Groton Town	Pump Station Upgrade: WPCF Effluent													8					5				13	\$5,200,000
TBD	Hamden GNH	I/I Rehabilitation: Hamden Mill River Interceptor (Phase 1)													6					5				11	NA
TBD	Hamden GNH	I/I Rehabilitation: Paradise Ave Sewer Relocation													6					5				11	NA
TBD	Hartford MDC	CSO Elimination: Kane Brook Area									3				12									35	\$22,800,000
TBD	Hartford MDC	CSO Elimination: Main Street NM-2 to NM-4			20						3				12									35	\$15,000,000
TBD	Hartford MDC	CSO Elimination: N9/N10/N12 & NNBI			20						3				12									35	\$40,500,000
TBD	Hartford MDC	CSO Elimination: North Tunnel Extension			20						3				12									35	\$515,000,000
TBD	Hartford MDC	CSO Elimination: Park Street			20						3				12									35	\$27,000,000
TBD	Hartford MDC	CSO Elimination: Sanford Street NM-7 to NM-5			20						3				12									35	\$5,000,000
TBD	Hartford MDC	CSO Elimination: South Hartford Conveyance & Storage Tunnel: Contract 1			20						3				12									35	\$4,000,000
TBD	Hartford MDC	CSO Elimination: South Hartford Conveyance & Storage Tunnel: Contract 2			20						3				12									35	\$300,000,000
TBD	Hartford MDC	CSO Elimination: South Hartford Conveyance & Storage Tunnel: Contract 3			20						3				12									35	\$79,000,000
TBD	Hartford MDC	CSO Elimination: South Hartford Conveyance & Storage Tunnel: Contract 4			20						3				12									35	\$27,000,000
TBD	Hartford MDC	CSO Elimination: South Hartford Conveyance & Storage Tunnel: Contract 5			20						3				12									35	\$35,000,000
TBD	Hartford MDC	CSO Elimination: Walnut/Church G-19			20						3				12									35	\$3,450,000
TBD	Hartford MDC	Green Infrastructure: Victoria Road													12									12	\$600,000
215	Hartford MDC	I/I Rehabilitation: Folly Brook SSES #1													12					5				17	\$5,000,000
215	Hartford MDC	I/I Rehabilitation: Folly Brook SSES #2													12					5				17	\$5,000,000
TBD	Hartford MDC	Pump Station Abandonment: Dividend Brook Trunk Sewer Pump Station - Phases I & 2													12					5				17	\$10,000,000
TBD	Hartford MDC	Pump Station Rehabilitation: Belamose WWPS and Force Main													12					5				17	\$8,000,000
TBD	Hartford MDC	Relief Sewer: Cedar Street			5										12									17	\$8,000,000
TBD	Hartford MDC	Relief Sewer: Deckers Brook Trunk			5										12									17	\$5,500,000
667	Hartford MDC	WPCF Upgrade: Denitrification Contract 3									3				12							28		43	\$8,500,000
TBD	Hartford MDC	WPCF Upgrade: Denitrification Contracts 1 & 2									3				12							28		43	\$17,000,000
TBD	Hartford MDC	WPCF Upgrade: Incinerator									3				12							28		43	\$4,000,000
TBD	Hartford MDC	WPCF Upgrade: Sludge Processing									3				12							28		43	\$48,000,000
657	Hartford MDC	WPCF Upgrade: Wet Weather Expansion			20						3				12									35	\$25,300,000
TBD	Jewett City	Resiliency: Flood Prevention Wall													2					5				7	\$400,000
TBD	Killingly	I/I Rehabilitation													6					5				11	\$2,200,000
TBD	Killingly	Pump Station Rehabilitation: Rogers Village													2					5				7	\$3,500,000
524	Killingly	WPCF Upgrade: Phosphorus Removal			10	8							6	8										32	\$22,500,000
TBD	Manchester	Sewer Rehab: Garth Road Area													10					5				15	\$440,000
TBD	Manchester	Sewer Rehab: Hartford Road Sewer Replacement													10					5				15	\$320,000

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CWF #	Town	Description	I	IIA	IIB	3A1	3A2	3A3	3B1	3B2	3C1	3C2	3D1	3D2	IV	V	VIA	VIB	VIC	VID	VII	VIII	IX	Priority Points	Project Cost
663C	Marlborough	Small Community: Lake Terramuggus / Marlborough Phase III									3		3		2	6								14	\$4,000,000
TBD	Marlborough	Small Community: Lake Terramuggus / Marlborough Phase IV									3		3		2	6								14	\$4,000,000
TBD	Marlborough	Small Community: Lake Terramuggus / Marlborough Phase V									3		3		2	6								14	\$2,000,000
TBD	Meriden	I/I Rehabilitation													10					5				15	\$2,500,000
TBD	Meriden	Pump Station Rehabilitation: Silver Lake													10					5				15	\$750,000
TBD	Meriden	Resiliency: Siphon Upgrade Project													10					5				15	\$1,400,000
TBD	Meriden	WPCF Upgrade: Phosphorus		15	8									6	10									39	\$19,000,000
273	Middletown	Contract 20 - Old Mill Combined Sewer Separation									3				6									9	\$2,500,000
TBD	Middletown	I/I Rehabilitation: Hunting Hill Phase 2 - 17C2													6					5				11	\$2,700,000
TBD	Middletown	I/I Rehabilitation: Pameacha Ave 17A-1													6					5				11	\$2,230,000
TBD	Middletown	Pump Station													8					5		20		33	\$29,000,000
487C	Middletown	Sewer Rehabilitation: Contract 19B									3				6									9	\$3,260,000
TBD	Middletown	WPCF Regional Consolidation Project: River Road WWTP Demo													8					5		20		33	\$1,000,000
TBD	Milford	Pump Station Rehabilitation: Generator/ Transfer Switch													8					5				13	\$290,000
TBD	Milford	Pump Station Rehabilitation: Rock St/Welch's PT Pump Stations Rehab													8					5				13	\$7,200,000
TBD	Milford	Sewer Extension: Infills No. 3 and 4													8					5				13	\$16,620,000
TBD	Milford	Sewer Rehabilitation: East Broadway Side St Sewers													2					5				7	\$300,000
TBD	Milford	Sewer Rehabilitation: Edgefield Ave Interceptor													2					5				7	\$4,155,000
TBD	Milford	Sewer Rehabilitation: West Ave Force Main													8					5				13	
TBD	Montville	I/I Rehabilitation													6					5				11	\$730,000
TBD	Montville	Pump Station Rehabilitation: Long Term													10					5				15	\$7,500,000
TBD	Montville	Pump Station Rehabilitation: Short Term													10					5				15	\$440,000
TBD	Montville	WPCF Upgrade: Fine Grit Removal													10					5				15	\$800,000
TBD	Naugatuck	I/I Rehabilitation													8					5				13	\$4,000,000
TBD	Naugatuck	Sewer Interceptor Rehabilitation													8					5				13	\$8,650,000
TBD	Naugatuck	WPCF Upgrade													8					5				13	NA
TBD	Naugatuck	WPCF Upgrade: Sewer Sludge Incinerator and Air Pollution Controls													8				5	5				18	\$5,550,000
650PG	New Britain	I/I Rehabilitation													10					5				15	\$3,240,000
TBD	New Canaan	WPCF Upgrade: Phosphorus / Zinc Removal		15	8									6	4									33	\$9,000,000
TBD	New Hartford	Small Community: Johnny Cake Mt Sewers													2	6								8	\$4,400,000
TBD	New Hartford	Small Community: Pine Meadows Sewer													2	6								8	\$2,700,000
TBD	New Haven GNH	CSO Elimination: Future		20					3		3				12									38	\$300,000,000
TBD	New Haven GNH	CSO Elimination: Phase 2 Yale Area Future Phases		20					3		3				12									38	\$15,000,000
664	New Haven GNH	CSO Elimination: Phase 2A Utility Work		20					3		3				12									38	\$1,200,000
TBD	New Haven GNH	CSO Elimination: Relief Sewers		20					3		3				12									38	\$1,000,000
TBD	New Haven GNH	CSO Elimination: Union Street Pump Station Upgrade		20					3		3				12									38	\$65,500,000
TBD	New Haven GNH	Green Infrastructure: West River CSOs													12									12	\$1,000,000
TBD	New Haven GNH	West River CSO Projects		20					3		3				12									38	\$10,000,000

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TBD	New Milford	Pump Station Upgrade: West Side													4					5			9	\$1,200,000
TBD	Newington MDC	I/I Rehabilitation: Newington N-18 and N-19													8					5			13	\$13,500,000
TBD	Newington MDC	Pump Station Rehabilitation: Brookside Street WWPS, Newington													8					5			13	\$2,100,000
TBD	Newington MDC	Pump Station Rehabilitation: Howard Avenue WWPS, Newington													8					5			13	\$1,800,000
TBD	Norwich	CSO Elimination: Later Phases		20							3				10								33	\$35,000,000
625	Norwich	WPCF Upgrade: Denitrification			3										10							19	32	\$100,000,000
TBD	Old Lyme (MBA)	Small Community: Miami Beach Association (MBA)		15					3		3				2	6							29	\$10,700,000
644D	Old Lyme (OCSBA)	Small Community: Old Colony Shores Beach Association		15					3		3				2	6							29	\$8,600,000
645D	Old Lyme (OLSBA)	Small Community: Old Lyme Shores Beach Association		15					3		3				2	6							29	\$8,700,000
660	Old Lyme (Town)	Small Community: Nutrient Removal		15					3		3				2	6							29	\$26,470,000
TBD	Old Saybrook	Small Community: Decentralized Systems Phase III		15					3		3				2	6							29	\$12,500,000
TBD	Old Saybrook	Small Community: Decentralized Systems Phase IV		15					3		3				2	6							29	\$10,000,000
TBD	Plainville	WPCF Upgrade: Phosphorus		15	8									6	6								35	\$11,000,000
TBD	Ridgefield	I/I Rehabilitation													4					5			9	\$2,000,000
TBD	Ridgefield	Pump Station Upgrade: Quail Ridge/Route 7													4					5			9	\$3,700,000
TBD	Ridgefield	WPCF Upgrade: Route 7 Phosphorus		15	8								6	4									33	\$10,000,000
TBD	Ridgefield	WPCF Upgrade: South Street Phosphorus		15	8								6	4									33	\$25,000,000
TBD	Rocky Hill MDC	Relief Sewer: Goff Brook Closure		5											6	6					20		37	\$19,500,000
657	Rocky Hill MDC	WPCF Upgrade: Denitrification													8							20	28	\$13,000,000
TBD	Simsbury	I/I Rehabilitation													6					5			11	NA
TBD	South Windsor	I/I Rehabilitation													6					5			11	\$1,300,000
TBD	Southington	I/I Rehabilitation													6					5			11	\$5,000,000
TBD	Southington	Pump Station Abandonment: Blatchley Ave													6					5			11	\$1,500,000
TBD	Southington	Pump Station Rehabilitation: Old Turnpike Rd / Judd Brook / Patten Brook													6					5			11	\$2,200,000
TBD	Southington	Pump Station Replacement: Plantsville and West Queen Street													6					5			11	\$3,000,000
TBD	Southington	Pump Station Replacement: South End													6					5			11	\$1,380,000
TBD	Southington	Sewer Expansion: West Queen St / Aircraft Rd													2					5			7	\$2,300,000
TBD	Southington	Sewer Extension: Millers Farm													2					5			7	\$1,000,000
651	Southington	WPCF Upgrade: Phosphorus		15	8								6	8									37	\$50,000,000
TBD	Sprague	I/I Rehabilitation: Hanover													2					5			7	\$1,200,000
TBD	Sprague	Pump Station: Hanover Force Main													2					5			7	\$1,300,000
564	Sprague	Small Community: WPCF Upgrade: Denitrification													2							23	25	\$10,400,000
672PG	Stamford	I/I Rehabilitation													12					5			17	\$3,000,000
TBD	Stamford	Pump Station Upgrade: Alvord Lane													12					5			17	\$750,000
TBD	Stamford	Pump Station Upgrade: Commerce Road													12					5			17	\$1,000,000
TBD	Stamford	Pump Station Upgrade: Raw Sewage													12					5			17	\$9,850,000
TBD	Stamford	WPCF Upgrade: Aeration Blowers													12					5			17	\$6,200,000
TBD	Suffield	I/I Rehabilitation													6					5			11	\$600,000

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TBD	Suffield	Pump Station Upgrade: Pump Station No. 3													12					5				17	\$2,000,000
TBD	Suffield	Sewer: Stony Brook Interceptor Upgrade / Replacement													6	6								12	\$17,000,000
TBD	Thomaston	WPCF Upgrade: Phosphorus		15	8									6	2									31	\$700,000
TBD	Thompson	WPCF Upgrade: Phosphorus		15	8									6	2									31	\$750,000
TBD	Torrington	I/I Rehabilitation: Central Sewershed													6					5				11	\$5,800,000
198	Torrington	I/I Rehabilitation: East Drainage Basin													6					5				11	\$5,600,000
TBD	Torrington	Pump Station Rehabilitation: Harris Road													8					5				13	\$1,500,000
TBD	Torrington	Pump Station Rehabilitation: Toro Road Siphon Rehabilitation													8					5				13	\$2,700,000
546	Torrington	WPCF Upgrade: Nitrogen / Phosphorus Removal		15	8									6	8									37	\$55,000,000
TBD	Trumbull	I/I Rehabilitation													6					5				11	NA
TBD	Trumbull	Pump Station Rehabilitation: Beardsley & Reservoir													8					5				13	\$5,000,000
547	Vernon	WPCF Upgrade: Nitrogen / Phosphorus Removal													10							19		29	NA
TBD	Waterbury	I/I Rehabilitation													12					5				17	\$2,200,000
TBD	Waterbury	Pump Station Rehabilitation													12					5				17	\$1,650,000
TBD	Waterbury	WPCF Upgrade: Phosphorus		15	8									6	12									41	\$32,000,000
TBD	Watertown	I/I Rehabilitation: Phase 3													6					5				11	\$700,000
TBD	Watertown	Sewer Extension: Concord Drive Sewer Extension (Phase 1)											3		6	6				5				20	\$5,350,000
TBD	Watertown	Sewer Extension: Lake Winnemaug Estates Sewer Extension											3		6	6				5				20	\$4,000,000
TBD	West Hartford MDC	I/I Rehabilitation: West Hartford SSES #1													6					5				11	\$24,000,000
TBD	West Hartford MDC	I/I Rehabilitation: West Hartford SSO													6					5				11	\$35,000,000
TBD	West Haven	I/I Rehabilitation: Second / Dawson Avenues													6					5				11	\$4,750,000
TBD	West Haven	Pump Station Rehabilitation: Phase 1													6					5				11	\$4,400,000
TBD	West Haven	Pump Station Rehabilitation: Phase 2													6					5				11	\$4,400,000
TBD	West Haven	Resiliency: Outfall Pipe Improvements													10					5				15	\$8,600,000
128	Westbrook	Small Community: Decentralized Systems		15					3		3				2	6								29	\$46,700,000
TBD	Wethersfield MDC	I/I Rehabilitation: Wethersfield SSO													6					5				11	\$9,000,000
TBD	Wethersfield MDC	Pump Station Abandonment: Marsh Street Sewer Extension, Wethersfield													2					5				7	\$3,000,000
TBD	Wethersfield MDC	Sewer: Wethersfield Trunk Relief Sewer													2					5				7	\$8,800,000
TBD	Windsor Locks	Pump Station Rehabilitation: Dexter & Halfway House													6					5				11	\$2,700,000
215	Windsor MDC	I/I Rehabilitation: Windsor SSES													6					5				11	\$10,000,000
TBD	Windsor MDC	Pump Station Rehabilitation: Rainbow Trunk WWPS, Windsor													6					5				11	\$6,200,000
TBD	Windsor MDC	WPCF Upgrade: Poquonock Primary Tank Rehabilitation													4					5				9	\$2,800,000
TBD	Woodbridge GNH	I/I Rehabilitation: Woodbridge Phase 2													2					5				7	NA
TBD	Woodlake Tax District	Small Community: WPCF Upgrade with Nitrogen / Phosphorus Removal		15	8									6	2									31	\$1,750,000

Table 2: FY 2016 - 2017 Future Project List by Order of Priority

Rank	Priority Points	Town	CWF #	Description	Project Cost
1	44	Bridgeport	TBD	WPCF Upgrade: Denitrification / Sludge	\$44,000,000
2	43	Hartford MDC	667	WPCF Upgrade: Denitrification Contract 3	\$8,500,000
3	41	Danbury	TBD	WPCF Upgrade: Phosphorus	\$81,000,000
3	41	Waterbury	TBD	WPCF Upgrade: Phosphorus	\$32,000,000
5	39	Meriden	TBD	WPCF Upgrade: Phosphorus	\$19,000,000
6	38	New Haven GNH	TBD	CSO Elimination: Future	\$300,000,000
6	38	New Haven GNH	TBD	CSO Elimination: Phase 2 Future Phases	\$15,000,000
6	38	New Haven GNH	TBD	CSO Elimination: Union Street Pump Station Upgrade	\$65,500,000
9	37	Southington	651	WPCF Upgrade: Phosphorus	\$50,000,000
10	35	Hartford MDC	TBD	CSO Elimination: North Tunnel Extension	\$515,000,000
10	35	Hartford MDC	TBD	CSO Elimination: Main Street NM-2 to NM-4	\$15,000,000
10	35	Hartford MDC	TBD	CSO Elimination: Park Street	\$27,000,000
10	35	Hartford MDC	TBD	CSO Elimination: Sanford Street NM-7 to NM-5	\$5,000,000
10	35	Hartford MDC	TBD	CSO Elimination: Walnut/Church G-19	\$3,450,000
10	35	Hartford MDC	TBD	CSO Elimination: N9/N10/N12 & NNBI	\$40,500,000
10	35	Hartford MDC	TBD	CSO Elimination: South Hartford Conveyance & Storage Tunnel: Contract 3	\$79,000,000
10	35	Hartford MDC	TBD	CSO Elimination: South Hartford Conveyance & Storage Tunnel: Contract 4	\$27,000,000
10	35	Hartford MDC	TBD	CSO Elimination: South Hartford Conveyance & Storage Tunnel: Contract 5	\$35,000,000
10	35	Hartford MDC	657	WPCF Upgrade: Wet Weather Expansion	\$25,300,000
20	33	Bridgeport	TBD	CSO Elimination Future Projects	\$360,000,000
20	33	Bridgeport	TBD	CSO Elimination: LTCP Phase 1 Ash Creek Storage Tank	\$13,000,000
20	33	New Canaan	TBD	WPCF Upgrade: Phosphorus / Zinc Removal	\$9,000,000
20	33	Norwich	TBD	CSO Elimination Later Phases	\$50,000,000
20	33	Ridgefield	TBD	WPCF Upgrade: Route 7 Phosphorus	\$10,000,000
20	33	Ridgefield	TBD	WPCF Upgrade: South Street Phosphorus	\$25,000,000
26	33	Middletown	TBD	WPCF Regional Consolidation Project: River Road WWTP Demo	\$1,000,000
27	31	Beacon Falls	654	WPCF Upgrade: Phosphorus	\$17,000,000
27	31	Thomaston	TBD	WPCF Upgrade: Phosphorus	\$700,000
27	31	Woodlake Tax District	TBD	Small Community: WPCF Upgrade with Nitrogen / Phosphorus Removal	\$1,750,000
30	29	Clinton	127	Small Community: Decentralized Systems	\$56,000,000
30	29	Old Lyme (Town)	660	Small Community: Nutrient Removal	\$26,470,000

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Rank	Priority Points	Town	CWF #	Description	Project Cost
30	29	Old Saybrook	TBD	Decentralized Systems: Phase III	\$12,500,000
30	29	Old Saybrook	TBD	Decentralized Systems: Phase IV	\$10,000,000
30	29	Vernon	547	WPCF Upgrade: Nitrogen / Phosphorus Removal	NA
30	29	Westbrook	128	Small Community: Decentralized Systems	\$46,700,000
36	27	Goshen (Woodridge Lake)	643PG	Small Community: WPCF Woodridge Lake: Nitrogen / Phosphorus Removal	\$17,500,000
37	26	Killingly	524	WPCF Upgrade: Nitrogen / Phosphorus Removal	\$22,500,000
38	25	Sprague	564	Small Community: WPCF Upgrade: Denitrification	\$10,400,000
39	18	Naugatuck	TBD	WPCF Upgrade: Sewer Sludge Incinerator and Air Pollution Controls	\$5,550,000
40	17	Bridgeport	TBD	Resiliency: WPCF Improvements	\$5,500,000
40	17	Danbury	TBD	WPCF Upgrade: Dewatering Improvements	\$1,345,000
40	17	Danbury	TBD	WPCF Upgrade: FOG	\$515,000
40	17	Hartford MDC	TBD	Relief Sewer: Deckers Brook Trunk	\$5,500,000
40	17	Waterbury	TBD	I/I Rehabilitation	\$2,200,000
40	17	Waterbury	TBD	Pump Station Rehabilitation	\$1,650,000
46	15	Fairfield	TBD	I/I Rehabilitation	\$1,000,000
46	15	Fairfield	TBD	Pump Station Rehabilitation: Easton Turnpike Pump Station	\$1,500,000
46	15	Fairfield	TBD	Pump Station Rehabilitation: Fairfield Beach Pump Station	\$400,000
46	15	Fairfield	TBD	Pump Station Rehabilitation: Pine Creek Pump Station	\$400,000
46	15	Greenwich	TBD	Resiliency: Energy Audit/ Alternative Energy and Flood Prevention	\$305,000
46	15	Greenwich	TBD	Sewer Rehabilitation: Force Main	\$3,165,000
46	15	Greenwich	TBD	Sewer Rehabilitation	\$5,000,000
46	15	Greenwich	TBD	WPCF Upgrade: Clarifiers	\$4,500,000
46	15	Greenwich	TBD	WPCF Upgrade: Grinder Pump Panel	\$300,000
46	15	Greenwich	TBD	WPCF Upgrade: Grit System	\$7,300,000
46	15	Manchester	TBD	Sewer Rehab: Garth Road Area	\$440,000
46	15	Manchester	TBD	Sewer Rehab: Hartford Road Sewer Replacement	\$320,000
46	15	Meriden	TBD	I/I Rehabilitation	\$2,500,000
46	15	Montville	TBD	Pump Station Rehabilitation: Long Term	\$7,500,000
46	15	Montville	TBD	Pump Station Rehabilitation: Short Term	\$440,000
46	15	Montville	TBD	WPCF Upgrade: Fine Grit Removal	\$800,000

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Rank	Priority Points	Town	CWF #	Description	Project Cost
46	15	New Britain	650PG	I/I Rehabilitation	\$3,240,000
46	15	West Haven	TBD	Resiliency: Outfall Pipe Improvements	\$8,600,000
64	14	Marlborough	TBD	Small Community: Lake Terramuggus / Marlborough Phase V	\$2,000,000
65	13	Danbury	TBD	I/I Rehabilitation	NA
65	13	Danbury	TBD	Resiliency: Pump Station Emergency Generators Phase II	\$550,000
65	13	East Windsor	TBD	Pump Station Rehab: Industrial Park Pump Station Replacement	\$800,000
65	13	Enfield	TBD	Pump Station: Rehabilitation/Replacement (Phase 1)	\$4,000,000
65	13	Enfield	TBD	Pump Station: Rehabilitation/Replacement (Phase 2)	\$2,000,000
65	13	Groton Town	TBD	Pump Station Rehabilitation: Fishtown Road	\$1,200,000
65	13	Milford	TBD	Pump Station Rehabilitation: Generator/ Transfer Switch	\$290,000
65	13	Milford	TBD	Pump Station Rehabilitation: Rock St/Welch's PT Pump Stations Rehab	\$7,200,000
65	13	Milford	TBD	Sewer Extension: Infills No. 3 and 4	\$16,620,000
65	13	Milford	TBD	Sewer Rehabilitation: West Ave Force Main	
65	13	Naugatuck	TBD	I/I Rehabilitation	\$4,000,000
65	13	Naugatuck	TBD	Sewer Interceptor Rehabilitation	\$8,650,000
65	13	Naugatuck	TBD	WPCF Upgrade	NA
65	13	Newington MDC	TBD	I/I Rehabilitation: Newington N-18 and N-19	\$13,500,000
65	13	Newington MDC	TBD	Pump Station Rehabilitation: Howard Avenue WWPS, Newington	\$1,800,000
65	13	Trumbull	TBD	Pump Station Rehabilitation: Beardsley & Reservoir	\$5,000,000
81	12	Bridgeport	TBD	Green Infrastructure: Phase 1	\$3,000,000
81	12	Suffield	TBD	Sewer: Stony Brook Interceptor Upgrade / Replacement	\$17,000,000
83	11	Derby	TBD	WPCF Upgrade	\$10,000,000
83	11	Enfield	TBD	I/I Rehabilitation	\$750,000
83	11	Hamden GNH	TBD	I/I Rehabilitation: Hamden Mill River Interceptor (Phase 1)	NA
83	11	Hamden GNH	TBD	I/I Rehabilitation: Paradise Ave Sewer Relocation	NA
83	11	Killingly	TBD	I/I Rehabilitation	\$2,200,000
83	11	Middletown	TBD	I/I Rehabilitation: Hunting Hill Phase 2 - 17C2	\$2,700,000
83	11	Middletown	TBD	I/I Rehabilitation: Pameacha Ave 17A-1	\$2,230,000
83	11	Montville	TBD	I/I Rehabilitation	\$730,000
83	11	Simsbury	TBD	I/I Rehabilitation	NA

Table 2: FY 2016 - 2017 Future Project List by Order of Priority

Rank	Priority Points	Town	CWF #	Description	Project Cost
83	11	Southington	TBD	Pump Station Rehabilitation: Old Turnpike Rd / Judd Brook / Patten Brook	\$2,200,000
83	11	Southington	TBD	Pump Station Replacement: Plantsville and West Queen Street	\$3,000,000
83	11	Torrington	TBD	I/I Rehabilitation: Central Sewershed	\$5,800,000
83	11	Trumbull	TBD	I/I Rehabilitation	NA
83	11	West Hartford MDC	TBD	I/I Rehabilitation: West Hartford SSO	\$35,000,000
83	11	Wethersfield MDC	TBD	I/I Rehabilitation: Wethersfield SSO	\$9,000,000
98	9	Middletown	273	Contract 20 - Old Mill Combined Sewer Separation	\$2,500,000
98	9	Canton	TBD	I/I Rehabilitation	NA
98	9	Cheshire	TBD	I/I Rehabilitation	NA
98	9	Cromwell	TBD	I/I Rehabilitation	\$900,000
98	9	East Windsor	TBD	Pump Station Rehab: Route 5 Pump Station Replacement	\$1,000,000
98	9	Middletown	487C	Sewer Rehabilitation: Contract 19B	\$3,260,000
98	9	Ridgefield	TBD	I/I Rehabilitation	\$2,000,000
98	9	Ridgefield	TBD	Pump Station Upgrade: Quail Ridge/Route 7	\$3,700,000
106	8	Bozrah	TBD	Small Community: Sewer Extension Franklin-Bozrah	\$12,600,000
106	8	Danbury	TBD	Sewer Rehabilitation & Pump Station Elimination: Mill Plain	\$2,500,000
106	8	Danbury	TBD	Sewer Rehabilitation: Sheriden St	\$470,000
106	8	Danbury	TBD	Sewer Rehabilitation: West Side Phase II	\$15,000,000
106	8	Danbury	TBD	Sewer Rehabilitation: Westville Ave	\$725,000
106	8	Franklin	TBD	Sewer Extension: Franklin-Bozrah	\$10,000,000
106	8	New Hartford	TBD	Small Community: Johnny Cake Mt Sewers	\$4,400,000
106	8	New Hartford	TBD	Small Community: Pine Meadows Sewer	\$2,700,000
114	7	Danbury	TBD	Pump Station Rehabilitation: Triangle Pump Station Replacement	\$255,000
114	7	Danbury	TBD	Pump Station Upgrade: Beaver Brook	\$240,000
114	7	Jewett City	TBD	Resiliency: Flood Prevention Wall	\$400,000
114	7	Milford	TBD	Sewer Rehabilitation: East Broadway Side St Sewers	\$300,000
114	7	Milford	TBD	Sewer Rehabilitation: Edgefield Ave Interceptor	\$4,155,000
114	7	Southington	TBD	Sewer Expansion: West Queen St / Aircraft Rd	\$2,300,000
114	7	Wethersfield MDC	TBD	Sewer: Wethersfield Trunk Relief Sewer	\$8,800,000
114	7	Woodbridge GNH	TBD	I/I Rehabilitation: Woodbridge Phase 2	NA