

ALASKA CLEAN WATER FUND

STATE WASTEWATER LOAN PROGRAM

INTENDED USE PLAN FINAL

FFY16 Grant Allotment

State Fiscal Year 2017



Submitted to the U.S. Environmental Protection Agency

By

Alaska Department of Environmental Conservation

Division of Water

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ALASKA CLEAN WATER FUND

State Wastewater Loan Program

Intended Use Plan (IUP)

FINAL – June 2016

PROGRAM OVERVIEW

The purpose of the Alaska Clean Water Fund (ACWF) is to make low interest loans available to Alaskan municipalities and other qualified entities for financing wastewater and water quality related projects.

Loans can finance up to 100 percent of a project's eligible costs for planning, design and construction of publicly owned facilities. In addition, loans can serve as local match for the Alaska Department of Environmental Conservation (ADEC) Municipal Water, Sewer and Solid Waste Matching Grants Program or most other federal or state funding sources.

A range of projects and associated costs are eligible for funding under the ADEC loan programs, as described in Title 18, Chapter 76 of the Alaska Administrative Code.

Examples of Improvements Fundable Under ACWF

- Wastewater Treatment Facilities
- Sewer Interceptor and Collection Systems
- Storm Water Collection and Treatment
- Nonpoint Source Prevention and Restoration Projects
- Enhancement Projects

The ADEC Municipal Grants and Loans Section (MG&L), in the Division of Water, is responsible for administering this loan program. The loan program is regulated by the code mentioned above and is audited under the State of Alaska's Single Audit Act. An independent audit of the program is also conducted each year.

The purpose of this IUP is to describe how ADEC plans to spend the monies of the ACWF and how the expenditures meet the goals of the overall program.

PROGRAM UPDATES

As initially mentioned in last year's IUP, this year's IUP includes the inclusion of new Federal Water Pollution Control Act (FWPCA) amendment changes which includes but is not limited to the following areas, increased eligibilities, longer loan terms, fiscal sustainability, procurement, and reporting requirements. More discussion on these changes can be referenced on pages 15 and 16.

Additionally, in State Fiscal Year (SFY) 17 ADEC continues to make additional funds available to borrowers based on estimated repayment schedules of future years. This calculation is based on the demand for loan disbursement of funds that has historically been spread over at least four years after loan execution. Future calculations of funds available may be adjusted up or down as conditions warrant. Also, in SFY 17, ADEC will continue to fully supplement the 4 percent administrative set aside to pay for activities under the operator assistance program. ADEC charges an annual loan fee in the amount of 0.5 percent of the unpaid loanbalance. ADEC will continue to run the program completely with the loan fee account this year and in future years.

PROGRAM GOALS

The ADEC administers the Alaska Clean Water Fund, guided by the following long and short term goals:

Long Term

1. Protect public health and the waters of the State by offering financial assistance for the planning, design and construction of eligible projects.
2. Assist local communities as they strive to achieve and maintain statewide compliance with federal and state water quality standards.
3. Facilitate the construction of projects by providing a long term source of financing to assist communities in attaining and maintaining compliance with the Clean Water Act as amended by the Water Quality Act Amendments of 1987, PL 100-4.
4. Promote coordinated efforts by the State and eligible entities to expedite funding of eligible projects.
5. Increase the pace at which available funds are loaned by marketing to existing and potential new eligible entities by expanding the overall funds usage. Continue to improve program guidelines and policies to encourage funding on those projects which offer earlier construction starts, earlier loan disbursements, and earlier project close outs and start of repayment.
6. Potential new entities may include lending to non-profit organizations for water quality enhancement or non-treatment works type of projects, helping homeowners fund on-site septic system improvements through a link-deposit or pass-through loan program, and providing micro-loans to Alaska native villages.
7. Continue to use a more aggressive lending policy based on the needs of the communities. Key factors include but are not limited to implementation of a required quarterly financial reporting system starting in the first quarter of SFY 2017, and offering “ready to proceed projects” incentives which should result in a faster turnaround time in the disbursements and repayment process. These changes are anticipated to result in better cash flow management of the program.
8. Continue to make additional funds available to borrowers. Commitment of additional funds made available to borrowers is based on estimated repayment schedules of future years. This estimate is calculated based on the inclusion of two and a half years’ of future loan repayments which better matches the supply of funds needed to meet demand. Future calculations of funds available may be adjusted up or down as conditions warrant.
9. ADEC will continue to fully supplement the administrative expenses for program operations with the annual loan fee account, and continue to bank any unused portion of the 4% administrative set-aside. ADEC charges an annual loan fee in the amount of 0.5 percent of the unpaid loan balance.

Short Term

1. Under this IUP, provide low interest loans of \$30.4 million to communities for eligible wastewater treatment or nonpoint source pollution projects.
2. Provide up to 4% (\$319,080) of the anticipated capitalization grant amount awarded to the State and to the extent there are sufficient eligible expenses, for funding the following activities: operator training; certification exam services and proctors; review of system classifications and operator certification applications; and, operator certification database development and maintenance.
3. Provide not less than 10% (\$797,700) of the anticipated capitalization grant amount awarded to the State and to the extent there are sufficient eligible project applications, funds for projects to be used for green infrastructure, water or energy efficiency improvements, and environmental innovative activities.
4. A funding subsidy of at least 10% \$797,700 of the the anticipated capitalization grant amount will be offered as principle forgiveness to eligible disadvantaged communities.

5. Complete the anticipated capitalization grant Agreement with the U.S. Environmental Protection Agency (EPA) for Alaska's FFY16 Title VI allocation.
6. For SFY17, ADEC will continue incorporating changes to the ACWF program as a result of the 2014 FWPCA amendments to the CWSRF program. Primary changes include increased eligibilities, longer loan terms, fiscal sustainability, procurement, and reporting requirements. ADEC is currently working on making necessary regulatory updates to incorporate these changes; however, it is anticipated that some of these updates will not be completed until after issuance of the final IUP, and when complete an amended IUP will be issued to incorporate the changes.
7. When interim requests are received from communities to add new projects to the IUP, ADEC will as needed, amend the IUP to accommodate communities' needs.
8. To show commitment in promoting sustainability of wastewater facilities, ADEC in direction provided under EPA's Sustainability Policy has added sustainable criteria to project scoring and ranking.
9. ADEC will require the usage of the online payment request system for communities to submit loan payment requests, effective July 1, 2016. ADEC will also continue the process of upgrading LGTS from Access based to web based system to meet information technology state standards.

LOAN FUND PROCESS

Annually, ADEC identifies funding sources, selects projects and distributes the funds to projects according to approved criteria and federal and state regulations.

PROGRAM FUNDING – Funds Available

ADEC has several sources of funds available to support the proposed project financing and program administrative costs for this IUP. A total of \$30.4 million will be available upon issuance of this IUP. The \$30.4 million will be used to fund projects listed on the ACWF Funding Priority List for Point Source projects (Appendix Ia) and NonPoint Source projects (Appendix Ib).

ADEC draws administrative and subsidy (as principal forgiveness if offered) funding at 83.33% federal. Draws for loan funding are split between state match and federal funding following the grant-specific proportionality rate method. The loan funding ratio is currently 83.33% federal and 16.67% state match.

The following table summarizes the monies contributed and the commitments and expenditures made since the inception of the program. The difference between the funds available and program commitments is the amount of funds available to use during this funding cycle. The following describes more fully each item in the table:

ALASKA CLEAN WATER FUND

Funding Sources:

Federal Grants		\$ 241,271,962
FFY 16 Federal Allocation Capitalization Grant		7,977,000
FFY 16 State Match Appropriation		
Bond Proceeds		1,595,400
State Match, prior years		
State Match - General Funds	\$ 19,807,300	
State Match - Bond Proceeds	23,675,085	
Total State Match		43,482,385
Investment Income		46,350,281
Repayments		
Loan Principal	169,782,092	
Loan Interest	30,539,464	
Total Repayments		200,321,556
Projected Repayments SFY16 (3/23/16 - 6/30/16)		4,655,006
Projected Repayments SFY17		11,285,228
Projected Repayments SFY18		11,152,449
	Total Funding	\$ 568,091,267

Program Commitments:

Loan Commitments		447,943,003
Applications Received:		
ACWF#445251 Biosolids Treatment & Disposal Phase I	10,000,000	
ACWF#445261 Juneau Douglas Wastewater Treatment Plant Upgrades	6,000,000	
ACWF#561041 Mat-Su Septage & Leachate Treatment Facility	5,000,000	
ACWF#783161 Crescent Lift Station Replacement	502,500	
ACWF#783171 Marine Street Sewer, Osprey to Erler	1,052,500	
ACWF#783201 WWTP HVAC Replacement	2,832,500	
	Total Loan Commitments Pending	25,387,500
Total Loan Commitments		473,330,503
Transfer from ACWF to ADWF		29,000,000
Administrative Set-Aside		9,969,958
Previous Bonding and Transaction Costs		23,746,237
Bonding and Transaction Costs to Be Paid		1,597,900
		\$537,644,598
Total Program Commitments		\$ 537,644,598
Net Amount Available for Loans		\$ 30,446,669

The following describes more fully each item in the previous table:

Funding Sources:

- “Federal Grants” is the total amount of federal EPA capitalization grants awarded to Alaska up to FFY16.
- “FFY16 Federal Allocation” is the amount of federal funding available to be requested in the grant application to be submitted to EPA.
- “FFY16 State Match Appropriations” includes state funds provided as match for the grant which includes both general funds and bond proceeds.
- “State Match, prior years” includes all the state match funding provided in years prior to FFY16. It includes both general funds and bond proceeds.
- “Investment Income” includes interest received on funds invested in the ACWF. These funds are listed in the amount available at the end of SFY16.
- “Repayments” is the total amount of principal and interest repayments made by communities who have borrowed monies from the ACWF.
- “Projected Repayments” is the amount of interest payments, principal repayments anticipated to be received in SFY16, SFY17, and SFY18.
- “Transfer from ACWF to ADWF” is the amount of funds transferred from the Alaska Clean Water Fund.

Program Commitments:

- “Loan Commitments, Standard Loans Executed” represents the actual loan agreements that have been executed.
- “Standard Loans Pending” represents loan agreements which are currently pending execution.
- “Loan Commitments, Disadvantaged Assistance Loans/Grants Executed” represents grants that were made to certain economically disadvantaged communities early in the life of the program, and currently loans with subsidies in the form of principal forgiveness.
- “Bonding and Transaction Costs to be Paid” are anticipated administrative, bond sale and interest costs that will result from the sale of bonds in SFY17.
- “Administrative Set-Aside” is the amount of funding that has been set aside for program administrative purposes up to the end of SFY17.

SELECTION OF PROJECTS

1. Identification of Priority Projects

A mailing was done on December 30, 2015 informing all interested recipients that the questionnaire was available on-line for the IUP. Eligible recipients were invited to complete and submit their questionnaires electronically. Information and details on Green Project Reserve and funding subsidies under the program were included in this initial notification.

Using information from the questionnaires, several groups within ADEC worked together to evaluate the projects. Appendix IIa and IIb document the criteria used to assess the projects. Those criteria addressed these topics:

Point Source Priority Criteria Summary

- Public Health
- Water Quality
- Receiving Water Usage
- Project Continuity
- Readiness to Proceed
- Ability to Repay
- Sustainability

NonPoint Source Priority Criteria Summary

- Prevention
- Restoration
- Stewardship
- Project Continuity
- Funding Coordination

These assessments integrate the various water quality demands and needs of the State, assigning the highest priority to those projects that addressed the greatest public health and/or water quality threats.

After all projects were evaluated, they were ranked according to their scores. Using the project scores from the list, priority lists were prepared which included those projects with the highest rank, limited by the amount of funding expected to be available.

Under this IUP, approximately \$6,089,334 is earmarked for projects that address nonpoint source water pollution. During this year's solicitation, no proposals were received for nonpoint source projects and all excess available funds will be made to any underfunded point source Priority listed project. Since there are no nonpoint source projects, a total available amount of \$30,446,669 will be available to fund point source projects. Funding down the Point Source priority list to the Nome -Sclaircore Replacement, Phase III project will require \$30,854,917, which exceeds the available amount by \$408,248. We will fund this project to the level that there are funds available.

2. Project Incentives

The addition of extra incentives is to encourage projects to be under construction shortly after finalizing the IUP. The following incentives include but are not limited to the following actions.

- If agency plan and specification approval is documented in the project questionnaire by no later than the end of project questionnaire submission period (February 15, 2016), an extra 50 points will be added to the project's overall questionnaire score.
- Any Funding Priority Planning List project which can demonstrate having an agency plan and specification approval in place at the time of issuance of the final IUP, will be allowed to submit a loan application for funding at any time after issuance of the final IUP.

3. Public Review and Comments

The IUP was public noticed from April 11 through May 10, 2016, and made available to all eligible recipients and other interested parties, and was also placed on the State of Alaska, Division of Water website. The notice was published in a newspaper of statewide circulation for a 30 day public comment period. The notice announced the availability of the ACWF priority list, criteria system and priority list funding procedures. Appendix III is reserved for those comments and responses.

DISTRIBUTION OF FUNDING

1. Projects to be Funded

When all public comments are received, ADEC will then evaluate project ranking and prepare a list of projects. The funding portion of the list (Appendix Ia and Ib) represents those projects, ranked by score, for which funding is expected to be available. The planning portion of the list (Appendix Ib) represents those projects whose rank falls below the funding portion of the list, and for which funding is not expected to be available.

When found necessary, ADEC will contact communities if project loan requests are determined to be excessive and could limit other project funding. Through negotiations, a revised lower amount through either project phasing or the community seeking other funding sources will be sought.

If a project listed on the Point Source Funding Priority List has demonstrated to be “ready to go” and received an additional 50 ranking points (as described under “Project Incentives” section on page 7), a project application may be submitted at completion of the IUP public notice period. The application does not need to be complete, but sufficient information should be provided to help initiate a community financial assessment for incurring the debt, and begin the environmental review process.

2. Project Information

Appendices Ia and Ib contain estimated dates for binding loan commitments and construction start, loan terms, disadvantage assistance, Green Project Reserve, subsidies, sustainability type, and project descriptions.

3. Disbursements

The estimated disbursement schedule for Point Source loan projects is presented in Appendix IVa. The estimated disbursement schedule for NonPoint Source loan projects is presented in Appendix IVb. These schedules are based upon target dates contained in Appendices Ia and Ib.

4. Federal Payments

Alaska’s proposed payment schedule for the FFY16 grant allotment is shown below. This schedule was developed based on projected needs for project construction and execution of loan agreements

Proposed Federal Payment Schedule FFY16 Grant

FFY16 1 st Quarter	FFY16 2 nd Quarter	FFY16 3 rd Quarter	FFY16 4 th Quarter
\$7,977,000	\$0	\$0	\$0

5. Bypass of Projects

If a project on the fundable portion of the list has not turned in a completed loan application package or has not completed the state environmental review process in a timely manner (as described in the following paragraphs), it may be bypassed for another project on the priority list that is ready to proceed down to and including planning list projects and this includes projects with listed subsidized amounts. Specific rules on project by-passing are as follows:

- a. If a loan application is not submitted for a project on the fundable portion of the list within two (2) months after first being placed on the priority list, the project will without justification be automatically by-passed by a lower scoring project ready to proceed. This action includes any project ready to

proceed regardless if it is on either the Point Source or NonPoint Source funding list, as long as funding is available.

- b. In this year’s federal funding of the ACWF is the requirement to meet minimal funding needs for soliciting projects with Green eligible components and identify projects that meet equivalency. To meet these mandated minimal funding needs, ADEC will if necessary bypass a priority listed project with the next highest scored eligible project off the planning list which meets these requirements. This bypassing will be done until funding requirements are minimally met.
- c. If any projects are equal in scoring, the following sequence will be used to differentiate between them:
 - 1. If a project is already under construction or is out to bid, the environmental review has been completed, and the application has been completed, that project will be moved ahead.
 - 2. If a project requires an earlier construction date, as a result of a compliance agreement or other legal order from EPA or ADEC, that project will be placed ahead of the others.
 - 3. The project has been identified as having Green project components, or identified to meet equivalency.
 - 4. A project with an earlier anticipated date for submitting a completed application will be moved forward.
 - 5. If the projects are from the same community, the community may request that one be placed ahead of the other.
 - 6. The individual scores from each criteria category will be compared until a difference is found. The project with the highest score in the individual category will be placed first.

6. Fund Transfer

Federal regulations allow a transfer of up to an amount equal to 33% of the Drinking Water Capitalization Grants. ADEC reserves the authority to transfer additional funds as appropriate at some time in the future, between the ACWF and Alaska Drinking Water Fund programs.

ADDITIONAL LOAN FUND POLICIES - ASSURANCES

1. Binding Commitments

ADEC will enter into loan agreements for 120 percent of the federal anticipated capitalization grant within one year of receipt of each payment from the federal government, as required by federal law.

2. Expeditious and Timely Expenditure

All funds will be expended or obligated in a timely and expeditious manner. First priority for all loans will be to assure compliance with the Clean Water Act as amended by the Water Quality Act of 1987. EPA’s Memorandum #SRF 99-05 requires the CWSRF program to execute binding commitments at least equal to the amount of funds available in the program, within one year of that fund availability. This schedule calculates the amount of funds available as of March 22, 2016, and compares that amount to the binding commitments executed as of March 22, 2016.

FUNDS AVAILABLE AS OF MARCH 22, 2016

Total Federal Cap Grants Awarded	Total State Match	Total Principal Repayments	Total Interest Repayments	Total Investment Income	Total Transfers	Total Administrative Set-Aside	Total Bonding Costs	TOTAL FUNDS AVAILABLE
241,271,962	43,482,385	169,782,092	30,539,464	46,350,281	(29,000,000)	(9,969,958)	(23,746,237)	468,709,989
TOTAL BINDING COMMITMENTS AS OF MARCH 22, 2016:								473,330,503
BINDING COMMITMENTS AS A PERCENTAGE OF FUNDS AVAILABLE:								98.74%

Additionally, to assure expeditious and timely expenditure of funds, continues to require that the first disbursement for a loan be made within two years after signing of the loan agreement. If no disbursement is made within the two year period, the ADEC may take action to recall the loan; however, an extension may be granted upon a community's request, if there is reasonable justification.

3. First Use Requirement

Alaska communities do not appear on the National Municipality Policy Non-Compliance List. Therefore, the "first-use" requirement of 40 CFR 35.3135(e) has been satisfied.

4. Title II Equivalency Compliance

The Clean Water Act and subsequent EPA regulations instituted the Clean Water State Revolving Fund loan program with numerous federal laws and authorities (Appendix V). ADEC requires compliance with these federal laws and authorities on selected ACWF loan projects. Projects that are chosen to be an equivalent project are noted only on the Point Source Priority and Planning Lists. A project is considered equivalent if it comes from a non-disadvantage community and is over 10,000 in population.

The number of equivalent projects selected will be based on the cumulative funding amount of these projects and be shown that the amount equals or exceeds the annual federal anticipated capitalization grant amount.

5. Environmental Review

All projects receiving ACWF financial assistance will be subject to the EPA approved Environmental Review Procedures of the ACWF.

6. Reporting

a) Federal Funding Accountability Transparency Act (FFATA)

ADEC is committed to transparency and accountability under FFATA (reporting requirements may be obtained at their website <https://fsrs.gov/>). Program information, Intended Use Plans, Annual Reports, and other program materials are either posted on the ADEC/MGL website: <http://www.dec.state.ak.us/water/MuniGrantsLoans/index.htm>, or may obtain through the program office in Juneau at 410 Willoughby Street, Juneau, AK 999801. ADEC has chosen to use the equivalency method to meet FFATA reporting requirement. The project below was selected:

Anchorage – Girdwood Wastewater Treatment Facility, Ph. II \$7,977,000*

*FFATA is reported on an equivalency basis meaning up to and no more than the amount of the Capitalization Grant.

b) Clean Water Benefits Reporting (CBR) & National Information Management System (NIMS)

Program information and project milestones are reported through EPA's CBR and NIMS databases. ADEC commits to entering benefits information on all projects into CBR by the end of the quarter in which the assistance agreement is signed. ADEC commits to entering all program information into NIMS on an annual basis as EPA requests.

c) Quarterly Project Status Reporting

Quarterly project status reports for all borrowers are required to be filed with ADEC once a funding agreement is in place. After an agreement is fully signed, a report must be submitted at the end of every State fiscal quarter thereafter and continue until final disbursement is made. ADEC will provide necessary forms for this reporting and the report will be used to provide a project status update and current financial utilization information on the loan.

d) Quarterly Financial Reporting

This year’s quarterly status reporting will include the recently implemented quarterly financial report. The financial report is essentially a disbursement request for the loan which will report quarterly financial information on the project. If the financial report documents expenditures, sufficient supporting documentation will be required so that a disbursement review can be made on determining and making payment on eligible expenses. A borrower may choose to make more frequent reimbursement requests (once a month maximum), but at a minimum they will be required to make minimal quarterly requests to meet this new reporting requirement. If no costs are incurred for the reporting quarter, acknowledgement of a simple statement of this fact within the online report will be all that is needed.

e) Miscellaneous Reporting

Additionally, ADEC will provide information to EPA as needed for national reports, public inquiries, or Congressional inquiries. ADEC will continue to meet the federal Environmental Results Initiative reporting requirements by inputting environmental summaries, referred to as “one-pagers” on ACWF projects, on an on-going basis and not less than quarterly. A summary will be presented in the ACWF annual report.

7. Additional Subsidization – Disadvantage Community Assistance

Under the FFY16 anticipated federal capitalization grant, at least 10% of the applicable portion of the grant must be offered in the form of additional subsidies. ADEC has chosen to offer a total amount of \$797,700 as additional subsidization, with \$638,160 (80%) for Point Source and \$159,540 (20%) for Non-Point Source as principal forgiveness. However, since no Non-Point project questionnaires were submitted under the solicitation of the IUP, all subsidy funding will go to Point Source projects.

For disadvantage communities, an amount of 20% or up to a maximum amount of \$500,000 (cumulative per community) will be made with funds available if a project meets the follow criteria steps.

1. Project Questionnaire Solicitation

At the end of project questionnaire solicitation, 65% plans and specifications must be provided or verification that submission for agency (ADEC) regulatory review been done. Failure to provide demonstrating documentation will disallow award of a funding subsidy.

2. Project Application

90% plans and specifications completed and be submitted for agency review. Failure to provide demonstrating documentation may disallow award of a funding subsidy.

3. Other Subsidy Funding Requirements

- The project must be listed on the project priority list and highest ranked projects will be considered first.
- The project must be ready to start construction no later than one year after issuance of the final IUP.
- The community must submit a loan application within two months upon issuance of the final IUP.
- The community must agree to within one year of the date of the signed loan agreement to submit total payment request at least equal to 20% of the total loan amount.

Disadvantaged communities are provided a subsidy as part of their project assistance to help alleviate economic hardships for constructing a capital project. A community is considered disadvantaged if its:

- Median Household Income (MHI) is less than the state average MHI that is currently published by the Alaska Department of Labor and Workforce Development, Research and Analysis.

OR,

- Rate of unemployment is above the state average unemployment rate that is currently published by the Alaska Department of Labor and Workforce Development, Research and Analysis.

OR,

- The five year population trend for the community is either more or less than equal to 5% of the State five year population trend. Data is provided from the Alaska Department of Labor and Workforce Development, Research and Analysis Section.

OR,

- The activity is to be carried out in an economically distressed area, as described in section 301 of the Public Works and Economic Development Act of 1965 (42 U.S.C. 3161). five

For a community to qualify for disadvantaged assistance, they need to meet either one of the above criteria. For Boroughs of the State, the above criteria can be used for a specific community within the Borough if the project is solely benefitting just that community.

If after one year of IUP publication any uncommitted subsidies exist, these funds will be distributed into projects with existing subsidies, or to those projects which are the furthest along in completion of construction.

8. Green Project Reserve (GPR)

Under the total FFY16 capitalization grant amount awarded to the State, and to the extent there are sufficient eligible project applications, not less than 10% (or \$797,700) of funding provided for projects must be used for following category types: green infrastructure, water or energy efficiency improvements, and environmental innovative activities. GPR projects are listed under Appendix Ia and Ib by indication of green project category type and whether project justification is either categorical, or requires a business case demonstration.

Under this IUP, two projects listed on the Project Priority lists have been identified as being a GPR project based on EPA current guidance. The cumulative amount of these projects is \$3,601,100 which exceeds the 10% minimal required amount by \$2,804,100. ADEC will make its best effort to assure adequate participation is made for meeting the minimal reserve amount of \$797,700.

Due to past years issues on meeting minimal GPR requirements, ADEC will not issue a loan commitment on a project with designated GPR until adequate GPR documentation requirements are provided. This documentation must meet federal rules for providing an initial “business case” intent for all eligible GPR project components. At minimum, the borrower is required to provide to the Department a Green Project Assessment form with applicable backup documentation, which will be posted on the program’s web site by no later than the next reporting quarter; the web address is as follows:

<http://www.dec.state.ak.us/water/MuniGrantsLoans/greenproj.htm>

When a project is designed/bid ready, a complete Business Case will be required and posted on the basis that all equipment/material, performance specifications, and associated costs will be available. Also, once

a project is complete and prior to completion of the project performance period, the borrower will be required to submit a follow up report demonstrating the effectiveness of the GPR project. This report will also be put on the program's GPR posting web site.

As necessary, ADEC will seek out other potential GPR eligible projects not initially listed in the IUP, which meets GPR project eligibility and can be used to make up any shortfall in meeting the current year's GPR requirements. Additionally, as necessary ADEC will use a stair step approach on any IUP with a GPR requirement to fulfill any shortfall of a prior year's IUP GPR requirement. This approach would be done fully or in part of a project with excess GPR to help meet the prior year's IUP GPR deficit.

9. Sustainability Policy

ADEC is committed to promoting sustainable design and management of wastewater utilities, and clean water resources. Projects that meet ADEC's sustainability criteria are eligible for up to 50 bonus points in the priority ranking system. Further details on sustainability criteria may be referenced under Appendix III.

10. Davis-Bacon

Language in EPA's appropriations bill requires the application of Davis-Bacon prevailing wage rates to all treatment works projects funded in whole or in part by the CWSRF. Davis-Bacon applies to construction contracts over \$2,000 and their subcontractors (regardless of the subcontract amount).

To ensure compliance with these requirements, ADEC will confirm that the correct wage determinations are being included in the bid specifications and/or construction contracts. ADEC will also provide assistance recipients with the specific EPA Davis-Bacon contract language that is to be included in bid specifications and/or contracts. In addition, ADEC will collect Certifications of Davis-Bacon compliance from online project quarterly report statements.

11. American Iron and Steel

None of the funds made available to the borrower shall be used for a project for the construction, alteration, maintenance, or repair of a public water system unless all of the iron and steel products used in the project are produced in the United States. This requirement applies to the entire project receiving a loan agreement that is fully signed on and thereafter the effective date of January 17, 2014.

If approved engineering plans and specifications by a State agency are completed prior to June 10, 2014, this requirement will not apply. Consideration for exclusions to this requirement are as follows: being inconsistent with the public interest; iron and steel products that are not produced in the United States in sufficient and reasonably available quantities and of a satisfactory quality; or inclusion of iron and steel products produced in the United States that will increase the cost of the overall project by more than 25 percent.

For these exclusions to apply, a request for a waiver must be submitted to the Environmental Protection Agency (EPA) for consideration of approval. Borrowers have the option of sending a waiver request directly to EPA with a copy to ADEC, or they can submit the waiver to ADEC who will then forward it on to the EPA. EPA will then make available to the public on an informal basis (EPA's public internet web site) a copy of the request and information available to the Administrator concerning the request, and shall allow for informal public input on the request for at least 15 days prior to making a finding based on the request.

For the most up to date information on AIS guidance and waivers, please visit the following EPA web site: http://water.epa.gov/grants_funding/aisrequirement.cfm

12. Signage

ADEC will comply with the SRF Signage Guidance in order to enhance public awareness of EPA's assistance agreement to the State. Current signage may be referenced at the following Department web site: <http://dec.alaska.gov/water/MuniGrantsLoans/SRFAwareness.htm>

ADMINISTRATIVE USES

In SFY 17, ADEC intends to administer the fund by using up to \$1,108,000 from the ACWF Fee Account. Activities include evaluating loan applications, reviewing and processing payments, project loan administration, and performing project audits. This level of expenditure is expected to remain reasonably stable for several more years.

Additionally, ADEC is allowed to use up to four percent of the federal grant amount for administrative purposes (40 CFR 35.3120(g)). In SFY 17, ADEC is requesting \$319,080 (or 4%) of the FFY16 capitalization grant of \$7,977,000 to provide the following activities: operator training; certification exam services and proctors; review of system classifications and operator certification applications; and Operator Certification database development and maintenance.

A calculation of total administrative reserve costs is as follows:

Calculation of Administrative Reserves

FFY 16 Grant

Federal grants prior to FFY16	\$241,271,962
FFY16 Capitalization Grant	<u>7,977,000</u>
Total federal grant requested	\$249,248,962
Allowable administrative funds (4% of 249,248,962)	\$9,969,958
Administrative funds requested and reserve funds utilized*	\$9,429,904
SFY16 administrative amount requested	<u>319,080</u>
Total administrative funds utilized	\$9,748,984
Allowable administrative funds	<u>\$9,969,958</u>
- Total Administrative funds utilized	<u>9,748,984</u>
Amount to be reserved	\$220,974

*as February 29, 2016

Under EPA guidance, the fee we collect can only be used for administrative other purposes as allowed under the FWPCA amendments to help manage the program. Effective December 29, 2000, the program has been collecting loan administration fees equal to one-half percent (0.5%) of the principal loan balance on scheduled repayments. As of March 22, 2016, the program has collected \$7,415,300. For SFY17, the program anticipates collecting \$586,154 in program fees.

LOAN TERMS

Effective April 28, 2005, loans with a contract term of five to 20 years can be assessed an effective finance charge rate of one and one-half (1.5%) percent or 18.75 percent of the current bond rate as defined by the Municipal Bond Index. Loans with a contract term of one to five years can be assessed an effective interest rate of one (1) percent or 12 ½ percent of the current bond rate as defined by the Municipal Bond Index. Any loan term less than one year is assessed a one-half (0.5) percent finance charge. Also, with the exception of loans that are paid off in less than one year, all other loan terms include a one-half (0.5) percent administrative fee as part of the overall finance charge.

Additionally this year, ADEC is in the process of making a regulation change to allow up to 30 year financing for eligible entities. When the new regulations become effective, an amended IUP will be issued with updated loan rates

CAPITALIZATION REQUIREMENTS

In accordance with Title VI, Section 602(b) of the Clean Water Act as amended by the Water Quality Act of 1987, PL 100-4, and Alaska will accept capitalization grants in accordance with a schedule jointly agreed upon by ADEC and EPA.

A required state match equaling 20 percent of the federal anticipated capitalization grant \$1,595,400 will be deposited into the fund. Each loan payment made from the fund will follow the EPA rules of proportionality.

ADEC will provide the required state match from short term bonding this year. By using a short term bonding technique, ADEC uses, as collateral, the interest income of the Fund to acquire bond receipts and avoids use of any general funds from the State budget. This process effectively substitutes bond receipts for interest income. ADEC is required to document that sufficient interest income exists in an amount equal to or greater than the proposed bonding amount and that this process will still allow the Fund to grow in perpetuity. ADEC's program audits have documented the availability of the required amount of interest.

CLEAN WATER ACT AMENDMENT UPDATES

On June 10, 2014, the president signed into law the Water Resources Reform and Development Act of 2014 (WRRDA). Among its provisions are amendments to Titles I, II, V, and VI of the Federal Water Pollution Control Act (FWPCA), which includes updated rules to the CWSRF program. To meet this federal CWSRF rule change, the following changes are planned to be fully implemented into the ACWF program in SFY17.

1. **Section 602(b)(13):** Cost and Effectiveness Analysis - assistance recipients must certify that they have conducted studies and/or evaluations for meeting this analysis requirement. The new rule requires that a cost and effectiveness analysis involve, at a minimum:
 - 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 under this title; and
 - 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.

1. **Section 602(b)(14):** Architectural and Engineering (A/E) Services procurements that includes: Feasibility Studies, Preliminary Engineering, Design, Engineering, Mapping, Surveying, and Construction Management must meet USC 40 Ch. 11 procurement requirements, or a state equivalent process if the A/E contracts are associated with projects in an amount equal to the capitalization grant (equivalency projects). The requirement is effective for projects on the IUP associated with the FY2015 capitalization grant and with A/E contracts that have been signed on or after October 1, 2014. However, only CWSRF funded contracts for A/E services associated with equivalency projects must comply with this requirement.

Under this section, the State of Alaska will require equivalent A/E contracts to meet USC 40 Ch. 11 procurement requirements.

2. **Section 603(c)(1-11):** Project Eligibilities, as applicable the following updates will be made.
 - a. **Land:** Additional eligibility on costs associated with land purchases. These changes include: leasing or fee-simple purchase of land; surface and subsurface easements; store equipment and materials during construction; locate eligible treatment or distribution/ collection projects; and, effluent application or recharge basins.
 - b. **Decentralized Systems:** New construction may now be funded for either individual or cluster on-site systems, which they can be publicly or privately owned, and, they may serve either public or private purposes.
 - c. **Stormwater Projects:** They are now eligible as an independent authority (does not have to be an eligible component of a 319 plan), and, privately owned permitted stormwater projects can now be now funded, which includes stormwater projects in MS4 permitted areas.
 - d. **Other Minor Eligibility Changes:** Water Conservation; Efficiency, & Reuse, Watershed Projects; Energy Initiatives; Recycled Water & Water Reuse; Security Initiatives; and, Funding for Nonprofits. Note, some parts of these may not be fully implemented into the ACWF program.
3. **Section 603(d)(1)(A&B):** Loan terms may be up to 30 years or the useful life of the project, whichever is shorter, and they should not exceed the useful life of the project as determined by the state. Additionally, existing loans can be restructured with a longer maturity if the useful life allows – e.g., 20 year loan with 10 years remaining can be restructured to add 20 years (30 years total) if the useful life is 30 years or more.
4. **Under Section 603(d)(1)(E):** Fiscal Sustainability Plans (FSP) - Applies to all loans (funded off the SFY16 (FFY15 cap grant) IUP) to POTW eligible under 603(c)(1) that involve repair, replacement, or expansion of a treatment works. The statute requires that FSPs include, at a minimum:
 - a. An inventory of critical assets that are part of the treatment works;
 - b. An evaluation of the condition and performance of those assets;
 - c. A certification that the assistance recipient has evaluated and will be implementing water and energy conservation efforts as part of the plan; and,

- d. A plan for maintaining, repairing, and replacing the treatment works and a plan for funding such activities. New treatment works do not have to complete an FSP unless they are physically replacing (demolition and replacement) or adding to the capacity of an existing system. Upgrades that do not involve repair, replacement or expansion (such as adding advanced treatment) do not require a FSP.

CONTENT OF APPENDICES

- Appendix Ia. Point Source Planning Priority & Planning Lists
- Appendix Ib. Non-Point Source Funding Priority & Planning Lists

- Appendix IIa. Point Source Priority Criteria
- Appendix IIb. Non-Point Source Priority Criteria

- Appendix III. Public Comments

- Appendix IV. Estimated Disbursement Schedule for Point Source and Non-Point Source Projects

- Appendix V. Federal “Cross-Cutter” Authorities

APPENDIX Ia

ALASKA CLEAN WATER FUND

Point Source Funding Priority & Planning Lists

**ALASKA CLEAN WATER FUND
Point Source Funding Priority List
Fiscal Year 2017**

Rank	Score	APDES Permit Number	Category	Community	Project Title	Project Description	Requested Assistance Amount	Finance Charge Rate	Term (Yrs)	Subsidy ^{3,4}	Green Project Amount ⁵	Green Project Type ⁵	Estimated Binding Commitment	Estimated Construction Start	Sustainability Policy ⁶
1	645	AK-0021393	I	North Pole◆	Wastewater Effluent Discharge Phase 1■	The City's existing sewer outfall needs an extension to resolve a Notice of Violation for loss of the outfall's mixing zone caused by the periodic loss of river flow at current outfall location.	\$2,000,000	1.50%	20	\$400,000			11/1/2016	5/1/2018	Improve TFM
2	605	AK-0021440	III(b)	Ketchikan◆	Schoenbar Road Sewer Mains Replacement ¹ ■	Install 2,200 Lineal feet of 8" to 12" C900 PVC sewer mains, and 12 sewer manholes, in approximately 1,400 feet of roadway.	\$3,485,817	1.50%	20	\$397,700			7/1/2016	9/30/2016	Fix it First●
3	575	AK-0047856	I	Anchorage - AWWU	GWWTF Upgrade Phase II■	Work will include various upgrades and expansion of the Girdwood Wastewater Treatment Facility to meet existing and future flows from the Girdwood area.	\$20,000,000	1.50%	20				7/15/2016	10/18/2017	Fix it First
4	570	AK-0022551	III(b)	Anchorage - AWWU	PS 30/31 Force Main and Facility Upgrades■	Installation of two energy efficient pumps at PS 31 will replace four (4) existing pumps (between PS 30 and 31).	\$1,760,000	1.50%	20		\$352,000	ENG-BC	7/15/2016	10/1/2016	Fix it First
5	555	AK-0021458	III(b)	Petersburg◆	Pump Station 4 Force Main Replacement	Replace a ductile iron force main that has been under influence of tidal waters since its installation in the mid 1970's.	\$360,000	1.50%	20				8/31/2016	10/3/2016	Fix it First
6	540	2007-DB0003	III(b)	Nome - NJUS◆	Sclaircore Replacement, Phase III ²	Replacement of aging sewer distribution piping which is experiencing a high rate of failure and leakage due to thawing of underlying permafrost pockets.	\$3,249,100	1.50%	20		\$3,249,100	EIN-BC	6/15/2016	6/1/2016	Fix it First

◆ Disadvantaged Community (criteria may be referenced on page 11)

■ Equivalency Project (criteria may be referenced on page 10)

● Extra 50 points for "ready to go projects," approved construction by February 15, 2016

Total Requested Amount: **\$ 30,854,917**

Total Subsidized Amount³: **\$797,700**

Total Equivalency Amount: **\$ 27,245,817**

Total Green Amount: **\$ 3,601,100**

¹ Subsidy funding for the Ketchikan - Schoenbar Road Sewer Mains Replacement project is limited to available subsidy funds.

² Full funding of the Nome - Scclaircore Replacement, Phase III project for \$3,249,100 will be dependent upon remaining available loan funds. The Department will negotiate with Nome to provide additional funds as they become available later in the year.

³ Total available loan and subsidy (as principle forgiveness) funding amounts under this amended IUP are \$30,446,669 and \$797,700, respectively and are split on a ratio of 80/20 between Point Source Priority List (\$24,357,335 & \$638,160 of subsidy) and Non-Point Source Priority List (\$6,089,334 & \$159,540 of subsidy) projects. Note, since no project questionnaires were received for Non-Point Source projects this year, all funding and subsidy will go to Point Source projects.

⁴ Criteria for being eligible for a loan subsidy may be referenced on page 11 under the narrative section of the IUP.

⁵ Green Project Reserve Category Type: GIF - Green Infrastructure, WTR - Water Efficiency, ENG - Energy Efficiency & EIN - Environmentally Innovative. Green Project Justification Type: BC - Business Case / CAT - Categorical. Funding for Green projects is based on meeting a minimal required amount of \$797,700 under the State's capitalization grant for the program. Note, an extra 25 scoring points are awarded to Green projects.

⁶ Sustainability Policy - "Fix it First" - fix existing critical infrastructure; "Improve TFM" - improve technical, financial and managerial capacity of the system; and, "Planning" - planning and development of alternative projects that reflect the full life cycle cost of infrastructure.

**ALASKA CLEAN WATER FUND
Point Source Funding Priority Planning List
Fiscal Year 2017**

Rank	Score	APDES Permit Number	Category	Community	Project Title	Project Description	Requested Assistance Amount	Finance Charge Rate	Term (Yrs)	Green Project Amount ¹	Green Project Type ¹	Estimated Binding Commitment	Estimated Construction Start	Sustainability Policy ²
7	480	AK-0021440	III(b)	Ketchikan◆	Chatham Avenue Sewer Main Replacement	Install 488-lineal feet of 8" C900 PVC sewer mains, (2) sewer manholes, and (16) services installed to the edge of the right-of-way, in approximately 540 feet of roadway.	\$1,225,368	1.50%	20			7/1/2016	9/30/2016	Fix it First
8	410	AK-0021458	III(b)	Petersburg◆	Kiseno Street Sewer Replacement	Replace failing asbestos cement and PVC pipe on Kiseno Street.	\$160,000	1.50%	20			6/31/16	9/30/2016	Fix it First
9	400	AK-0021245	III(b)	Homer◆	Kachemak Drive Sewer Main (Phase III)	Install 4500 LF of low pressure force main along Kachemak Drive to serve the existing homes on-site wastewater disposal systems fail due to a high groundwater table.	\$801,800	1.50%	20			7/1/2016	7/15/2016	Improve TFM
10	400	AK-0021440	III(b)	Ketchikan◆	Front, Mill, Stedman Water and Sewer Replacement	Upgrade of approximately 3,300-lf of sewer main along the South Tongass Highway from Grant Street intersection to Deermount Street intersection.	\$5,178,783	1.50%	20			7/1/2016	9/30/2016	Fix it First
11	390	AK-0022551	III(b)	Anchorage - AWWU	3rd-4th Ave-Ingra-Eagle St Sewer Rehabilitation■	Rehabilitate sections of 1951 vintage concrete sewer pipe that has failed due to root intrusion and root caused fractures, and is located in the alley between 3rd and 4th Avenue and Eagle and Ingra Street.	\$245,600	1.50%	20			7/15/2016	6/15/2017	Fix it First
12	390	AK-0022551	III(b)	Anchorage - AWWU	Blueberry Sewer Rehabilitation■	Rehabilitate deteriorated 8-inch asbestos concrete sewer pipe along back lot lines between Arctic Blvd & Blueberry Rd and W. 27th Ave & W. Northern Lights Blvd.	\$1,176,000	1.50%	20			7/15/2016	8/1/2016	Fix it First
13	390	AK-0022551	III(b)	Anchorage - AWWU	2nd Ave Post Rd Sewer Rehabilitation■	Replace and/or rehabilitate 1965 vintage asbestos cement sewer pipe with multiple structural defects in the vicinity of 2nd Ave and Post Rd.	\$469,600	1.50%	20			7/15/2016	9/1/2016	Fix it First
14	335	AK-0021474	III(b)	Sitka	Brady Lift Station Upgrades	Replacement of inefficient pumps, motors and motor controllers with state-of-the-art equipment, including three variable speed drives.	\$217,400	1.50%	20	\$143,410	ENG-BC	10/2/2016	5/1/2017	Fix it First
15	335	AK-0021474	III(b)	Sitka	Lake and Monastery Sewer Improvements	Replace approximately 2430 LF of sewer main, 11 manholes and 47 sewer services on Lake, Monastery, Kinkead and Hirst Streets.	\$2,581,861	1.50%	20	\$562,350	ENG-BC	10/12/2016	7/1/2019	Fix it First
16	325	Pending	I	Mat-Su Borough◆	Mat-Su Septage & Leachate Treatment Facility	Design and construct a new septage and leachate facility to minimize septage and leachate disposal costs and environmental impacts in the Matanuska-Susitna Valley.	\$22,000,000	1.50%	20	\$1,083,400	ENG-BC	7/9/2016	7/10/2017	Improve TFM
17	310	AK-0022551	III(b)	Anchorage - AWWU	7th-9th Ave I St - LM Alley Sewer Upgrades■	Rehabilitate nearly 2,700 feet of sewer pipe with known structural deficiencies at 7th-9th Ave & I St - LM Alleyway.	\$784,000	1.50%	20			7/15/2016	6/1/2016	Fix it First
18	310	AK-0021474	III(b)	Sitka	Lift Station Backup Generator Replacement	Replace the Thomsen Lift Station backup generator along with two other generators determined to be most in need on the sewer collection system.	\$311,000	1.50%	20	\$311,000	ENG-BC	10/12/2016	5/1/2017	Fix it First

◆ Disadvantaged Community (criteria may be referenced on page 11)

Total Requested Amount: **\$ 35,151,412**

■ Equivalency Project (criteria may be referenced on page 10)

Total Green Amount: **\$ 2,100,160**

● Extra 50 points for "ready to go projects," approved construction by February 15, 2016

¹ Green Project Reserve Category Type: GIF- Green Infrastructure, WTR - Water Efficiency, ENG - Energy Efficiency & EIN - Environmentally Innovative. Green Project Justification Type: BC - Business Case / CAT - Categorical. Funding for Green projects is based on meeting a minimal required amount of \$838,800 under the State's capitalization grant for the program. Note, an extra 25 scoring points are awarded to Green projects.

² Sustainability Policy - "Fix it First" - fix existing critical infrastructure; "Improve TFM" - improve technical, financial and managerial capacity of the system; and, "Planning" - planning and development of alternative projects that reflect the full life cycle cost of infrastructure.

**ALASKA CLEAN WATER FUND
Point Source Funding Priority Planning List (Continued)
Fiscal Year 2017**

Rank	Score	APDES Permit Number	Category	Community	Project Title	Project Description	Requested Assistance Amount	Finance Charge Rate	Term (Yrs)	Green Project Amount ¹	Green Project Type ¹	Estimated Binding Commitment	Estimated Construction Start	Sustainability Policy ²
19	295	AK-0021431	IV(a)	Valdez◆	Airport Industrial Subdivision Sewer	Extend the municipal sewer mainline by 6,963 feet to service Airport Industrial Subdivision and replace existing on-site septic systems.	\$843,164	1.50%	20			7/15/2016	6/13/2016	Fix it First
20	295	AK-0023213	I	Juneau	Long Term Biosolids Treatment & Disposal, Phase II■	Construct a biosolids treatment facility in Juneau that will produce Class A biosolids, and upgrade headworks for both the Mendenhall and Juneau-Douglas wastewater treatment plants.	\$10,000,000	1.50%	20			10/2/2015	6/13/2016	Fix it First
21	290	AK-0047856	III(a)	Anchorage - AWWU	Girdwood I&I, Ph VIII■	Remove and replace sewer services that have been identified to have ground water infiltration.	\$500,000	1.50%	20			10/1/2016	5/1/2017	Fix it First
22	290	AK-0022551	III(b)	Anchorage - AWWU	W 72nd Ave Trunk Rehabilitation■	Upgrade a failing 15-inch corrugated metal pipe sewer trunk by either using cured-in-place pipe, or by direct pipe replacement.	\$838,400	1.50%	20			7/15/2016	3/15/2017	Fix it First
23	290	AK-0022551	III(b)	Anchorage - AWWU	Interceptor C: Force Main Gravity Junction Rehabilitation■	Construct a new, or upgrade the existing manhole at the discharge of Pump Station 12 into Interceptor C. Rehabilitate if needed a few hundred feet of 48-inch concrete pipe along Interceptor C.	\$600,000	1.50%	20			7/15/2016	3/15/2017	Fix it First
24	290	AK-0022551	III(b)	Anchorage - AWWU	1st Avenue A-F Streets Sewer Rehabilitation■	Upgrade approximately 2,000 feet of 1950's vintage failing concrete sewer main.	\$538,400	1.50%	20			7/15/2016	6/15/2017	Fix it First
25	290	AK-0022551	III(b)	Anchorage - AWWU	5th-7th Ave Coastal-Ocean Sewer Rehabilitation■	Replace several sections of structural deficient concrete sewer pipe located on M Street, Pacific Place, West 6th Avenue, and Ocean Place.	\$326,400	1.50%	20			7/15/2016	6/15/2017	Fix it First
26	285	AK-0022551	III(b)	Anchorage - AWWU	King Street Septage Receiving Station■	Rehabilitate and upgrade the existing King St. Septage Receiving Station to improve the access, reliability and cleanliness of the existing station.	\$1,378,400	1.50%	20			7/15/2016	6/15/2017	Improve TFM
27	285	AK-0022551	IV(a)	Mat-Su Borough◆	Central Landfill Cell 4 Design and Construction	Design and construct a new lined cell, build and tie into an existing leachate system, and tie into adjacent landfill cells at the Central Landfill.	\$7,000,000	1.50%	20			6/22/2016	3/20/2017	Improve TFM
28	285	AK-0022551	IV(a)	Mat-Su Borough◆	Leachate Pipeline and Storage	Construct a new pipeline, two holding ponds, pumping system, and access road to move leachate from two existing storage tanks to the new holding ponds.	\$5,000,000	1.50%	20			6/22/2016	3/20/2017	Improve TFM
29	215	AK-0021555	I	Kodiak◆	City of Kodiak Wastewater Centrifuge Installation	Installation of a new centrifuge for dewatering bio-solids.	\$800,000	1.50%	20			7/22/2016	9/9/2016	Fix it First
30	200	AK-0021245	IV(a)	Homer◆	Lillian Walli Subdivision/Eric Ln Sewer Extension	Installation of approximately 1240 LF of sanitary sewer main to 18 lots in the Lillian Walli Subdivision who are currently using marginal on-site wastewater disposal systems.	\$262,000	1.50%	20			6/15/2016	7/15/2016	Improve TFM

◆ Disadvantaged Community (criteria may be referenced on page 11)

Total Requested Amount: **\$ 28,086,764**

■ Equivalency Project (criteria may be referenced on page 10)

Total Green Amount: **\$ -**

● Extra 50 points for "ready to go projects," approved construction by February 15, 2016

¹ Green Project Reserve Category Type: GIF- Green Infrastructure, WTR - Water Efficiency, ENG - Energy Efficiency & EIN - Environmentally Innovative. Green Project Justification Type: BC - Business Case / CAT - Categorical. Funding for Green projects is based on meeting a minimal required amount of \$838,800 under the State's capitalization grant for the program. Note, an extra 25 scoring points are awarded to Green projects.

² Sustainability Policy - "Fix it First" - fix existing critical infrastructure; "Improve TFM" - improve technical, financial and managerial capacity of the system; and, "Planning" - planning and development of alternative projects that reflect the full life cycle cost of infrastructure.

**ALASKA CLEAN WATER FUND
Point Source Funding Priority Planning List (Continued)
Fiscal Year 2017**

Rank	Score	APDES Permit Number	Category	Community	Project Title	Project Description	Requested Assistance Amount	Finance Charge Rate	Term (Yrs)	Green Project Amount ¹	Green Project Type ¹	Estimated Binding Commitment	Estimated Construction Start	Sustainability Policy ²
31	110	AK-0022551	III(b)	Anchorage - AWWU	King Street Improvements■	Improvements to the Main Building 2nd floor office, Main Building 1st floor office, and Shop Building. Additionally, Main Building exterior upgrades and Main Building mechanical upgrades.	\$3,000,000	1.50%	20	\$820,000	ENG-BC	7/15/2016	2/15/2017	Improve TFM
32	85	AK-0022551	III(b)	Anchorage - AWWU	King St Back Up Power Upgrades■	Installation of backup power to the King Street O&M Main Building Headquarters, and to the existing King Street Warm Storage Building.	\$1,040,000	1.50%	20			7/15/2016	10/15/2016	Improve TFM
33	80	AK-0022551	I	Anchorage - AWWU	Asplund Grit Facility Improvements■	Improvements to Grit Facility which includes, replacement of isolation gates, blower piping modifications, install grit pump, and replace gyrogritters.	\$560,000	1.50%	20			7/15/2016	7/1/2017	Improve TFM
34	75	AK-0022551	III(b)	Anchorage - AWWU	King Street Warm Storage Bldg Upgrade■	Development of a new low cost stand alone building to house existing equipment, new equipment including SS trunk cleaning equipment, and future equipment.	\$3,288,000	1.50%	20			7/1/2016	2/15/2017	Improve TFM
35	75	AK-0022551	I	Anchorage - AWWU	Asplund Process Water Supply Rehabilitation■	Upgrade existing process water wells with the intent to reduce consumption of domestic water and reduce overall utility expenditures for the treatment plant.	\$800,000	1.50%	20			7/15/2016	6/1/2017	Improve TFM
36	55	AK-0022543	I	Anchorage - AWWU	ERWWTF Facility Plan■	Update and replace the existing facility plan with considerations on current and future use, discharge permit compliance, population projections, and other utility initiatives.	\$400,000	1.50%	20			7/15/2016	1/1/2017	Improve TFM

◆ Disadvantaged Community (criteria may be referenced on page 11)

Total Requested Amount: **\$ 9,088,000**

■ Equivalency Project (criteria may be referenced on page10)

Total Green Amount: **\$ 820,000**

● Extra 50 points for "ready to go projects," approved construction by February 15, 2016

Total Priority & Planning Amount: **\$103,181,093**

Total Priority & Planning Green Amount: **\$ 6,521,260**

¹ Green Project Reserve Category Type: GIF - Green Infrastructure, WTR - Water Efficiency, ENG - Energy Efficiency & EIN - Environmentally Innovative. Green Project Justification Type: BC - Business Case / CAT - Categorical. Funding for Green projects is based on meeting a minimal required amount of \$838,800 under the State's capitalization grant for the program. Note, an extra 25 scoring points are awarded to Green projects.

² Sustainability Policy - "Fix it First" - fix existing critical infrastructure; "Improve TFM" - improve technical, financial and managerial capacity of the system; and, "Planning" - planning and development of alternative projects that reflect the full life cycle cost of infrastructure.

APPENDIX Ib

ALASKA CLEAN WATER FUND

Non-Point Source Funding Priority & Planning Lists

**ALASKA CLEAN WATER FUND
Non-Point Source Funding Priority List
Fiscal Year 2017**

Rank	Score	Community	Project Title	Project Description	How this project implements Alaska's Nonpoint Source Strategy:	Requested Assistance Amount ¹	Finance Charge Rate	Term (Yrs)	Green Project Amount ²	Green Project Type ²	Estimated Binding Commitment

◆ Disadvantaged Community (criteria may be referenced on page 10)

Total Requested Amount: \$ -

\$ -

¹ Total available loan and subsidy (as principle forgiveness) funding amounts under this amended IUP are \$30,446,669 and \$797,700, respectively and are split on a ratio of 80/20 between Point Source Priority List (\$24,357,335 & \$638,160 of subsidy) and Non-Point Source Priority List (\$6,089,334 & \$159,540 of subsidy) projects. Note, since no project questionnaires were received for Non-Point Source projects this year, all funding and subsidy will go to Point Source projects.

² Green Project Reserve Category Type: GIF - Green Infrastructure, WTR - Water Efficiency, ENG - Energy Efficiency & EIN - Environmentally Innovative. Green Project Justification Type: BC - Business Case / CAT - Categorical. Funding for Green projects is based on meeting a minimal required amount of \$838,800 under the State's capitalization grant for the program. Note, an extra 25 scoring points are awarded to Green projects.

APPENDIX IIa

ALASKA CLEAN WATER FUND

Point Source Priority Criteria



ALASKA CLEAN WATER FUND STATE REVOLVING FUND (SRF) PRIORITY CRITERIA FOR SFY17 POINT SOURCE PROJECTS

Alaska has established the following criteria to prioritize point source wastewater projects seeking funding from the Alaska Clean Water Fund, the Clean Water Act State Revolving Loan Fund. These criteria rank point source projects (CWA Sec.212) by their relative threats to public health and the environment. The results of the most recent 303(d) list priorities will be utilized for identifying important water quality issues.

<u>PUBLIC HEALTH CONSIDERATIONS (only one)</u>	Assigned Points
<p>1. A human disease event exists, documented by a recognized public health authority. Construction of this project will correct the problem.</p> <p><i>Examples include providing public health alert/notice(s) documentation from a recognized public health authority. Also, documentation that either requires construction of the project through a regulatory compliance order or by action from the community issuing an ordinance/resolution for proceeding with the project.</i></p>	350
<p>2. Current conditions are severe enough that a disease event can occur, but has not been reported. This project will resolve the problem.</p> <p><i>Examples include providing documentation such as multiple maintenance crew reports or study(s) that demonstrate current conditions are severe enough that a disease event can occur.</i></p>	300
<p>3. Conditions indicate that there is a high potential that a disease event could occur. This project will minimize potential future public health problems.</p> <p><i>Examples include providing documentation such as a maintenance crew report(s), study(s), or documented photographs that can demonstrate a need that current conditions indicate that there is a high potential that a disease event could occur.</i></p>	200
<p>4. Conditions are not probable that a disease event will occur. This project will minimize potential future public health problems.</p>	100
<p>5. This project has no significant health related issues</p>	0

WATER QUALITY CONSIDERATIONS (only one)

1. This project will correct a documented pollution event in a:	
Non-303 d listed Water	250
303(d) Category 4a Listed Water Body	240
303(d) Category 4b Listed Water Body	230
303(d) Category 4c Listed Water Body	230
303(d) Category 5 Listed Water Body	220

	Assigned Points
2. Current conditions are severe enough that a pollution event can occur, but has not been reported yet. This project will correct the problem in a:	
Non-303 d listed Water	230
303(d) Category 4a Listed Water Body	220
303(d) Category 4b Listed Water Body	210
303(d) Category 4c Listed Water Body	210
303(d) Category 5 Listed Water Body	200
3. This project will minimize the potential for future pollution events	100
4. This project has minimal impact on future pollution events	0

RECEIVING WATER USE (only one)

This project addresses adverse impacts to:

1. Freshwater/groundwater	
drinking or food processing	10
propagation of fish, shellfish, etc., as a food source	5
water contact recreation	2
2. Marine waters/estuaries	
propagation of fish, shellfish, etc., as a food source	5
water contact recreation	2
3. This project will not significantly address any adverse water quality impacts	0

LOCAL INITIATIVE (only one)

1. This project will complete a project that has already begun construction and has completed an environmental review.	50
2. This project has DEC approved engineered plans and has a prepared or completed environmental review.	40
3. At least 65% engineered plans have been prepared.	30
4. A feasibility study for this project has been prepared.	20
5. No planning or study document has been completed.	0

FUNDING COORDINATION (only one)

1. This project will use other state, federal or local funds.	15
2. Not yet determined.	0

ABILITY TO REPAY (only one)

- | | |
|---|----|
| 1. A viable repayment source has been identified. | 10 |
| 2. Not yet determined. | 0 |

SUSTAINABILITY PROJECTS (only one)

- | | |
|---------------------------------|----|
| 1. Fix It First Projects | 50 |
| 2. Effective Utility Management | 25 |
| 3. Planning | 25 |
| 4. Not Applicable | 0 |

OPERATOR CERTIFICATION (Only one)

- | | |
|--|---|
| 1. The system employs or has on contract the correct level of certified or qualified operators | 5 |
| 2. Not adequately certified/qualified. | 0 |

AFFORDABILITY CRITERIA (only one)

Loan cost to population benefiting ratio

- | | | |
|-----------------------|----------------------|----|
| Cost/population ratio | \$0 - 400/person | 15 |
| Cost/population ratio | \$401 - 4,000/person | 10 |
| Cost/population ratio | > \$4,000/person | 5 |

GREEN PROJECT (determined by ADEC)

The applicant has sufficiently demonstrated Green eligible components under the project. Program guidance can be found at the following ADEC web site: http://dec.alaska.gov/water/muniloan/forms.htm	25
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APPENDIX IIb

ALASKA CLEAN WATER FUND

Non-Point Source Priority Criteria



ALASKA CLEAN WATER FUND STATE REVOLVING FUND (SRF) PRIORITY CRITERIA FOR SFY17 NON-POINT SOURCE PROJECTS

Alaska has established the following criteria to prioritize non-point source projects seeking funding from the Alaska Clean Water Fund, the Clean Water Act State Revolving Loan Fund. These criteria allow traditional and nontraditional non-point water quality projects (CWA Sec. 319) to be considered for funding. These criteria address and rank projects by their relative threats to water quality and local initiative. The results of the most recent 303(d) list priorities will be utilized for identifying water quality issues considered for the non-point source SRF ranking process.

<u>WATER QUALITY CONSIDERATIONS (only one)</u>	Assigned Points
1) PROTECTION*	
This project's main emphasis is prevention of non-point source pollution in a:	
Non-303 d listed Water	100
303(d) Category 4a Listed Water Body	90
303(d) Category 4b Listed Water Body	90
303(d) Category 4c Listed Water Body	90
303(d) Category 5 Listed Water Body	90
2) RESTORATION**	
The proposed project's goal is to restore water quality in a water body identified as impaired or polluted in the most recent 303d list. This project implements a TMDL or load allocation or otherwise addresses a water quality problem that has resulted in a water body designed as impaired in a:	
303(d) Category 4a Listed Water Body	100
303(d) Category 4b Listed Water Body	90
303(d) Category 4c Listed Water Body	90
303(d) Category 5 Listed Water Body	80
3) STEWARDSHIP***	
The proposed project will improve or maintain water quality in a:	
Non-303 d listed Water	100

* **PROTECTION** - This project's main emphasis is prevention of non-point source pollution.

** **RESTORATION** - The proposed project's goal is to restore water quality in a water body identified as impaired or polluted in the most recent 303(d) list. This project implements a TMDL or load allocation or otherwise addresses a water quality problem that has resulted in a water body designated as impaired.

*** **STEWARDSHIP** - The proposed project will improve or maintain water quality

	Assigned Points
<u>PROJECT INITIATIVE CONSIDERATIONS (only one)</u>	
1) Engineering documents have been completed	25
2) Preliminary engineering documents have been completed	20
3) Key planning document(s) (such as a TMDL, Corrective Action plan, Comprehensive Plan) have been completed.	15
4) An environmental review has been performed for the proposed project.	10
5) A feasibility study that demonstrates the need and costs for the project has been completed.	5
6) No action has been taken	0
<u>FUNDING COORDINATION (one only)</u>	
1) This project will utilize other federal or state funds.	15
2) Not yet determined	0
<u>ABILITY TO REPAY (one only)</u>	
1) A viable repayment source has been identified.	10
2) Not yet determined	0
<u>NPS STRATEGY IDENTIFIED PRIORITIES - COORDINATION WITH "Alaska Clean Water Five-Year Strategic Plan Goals" (determined by ADEC - only one)</u>	
<u>GOAL 1</u> - Increase the amount known about Alaska's waters	10
<u>GOAL 2</u> – Standardize how DEC evaluates information for the purpose of listing and delisting a waterbody on the impaired waterbody list by developing listing methodologies and policy	20
<u>GOAL 3</u> – Increase or continue collaboration with other programs, agencies and community-based organizations	10
<u>GOAL 4</u> - Restore waters that are impaired and keep them healthy once restored	30
<u>GOAL 5</u> - Conduct outreach on BMPs so that urban and industrial development sustains water quality	20
<u>GOAL 6</u> – Keep Our Clean Waters Clean: Highlight and protect healthy waters that are at risk	40
<u>GOAL 7</u> – Keep Our Clean Waters Clean: Educate the public on water quality and smart practices to prevent pollution	10
<u>GREEN PROJECT (determined by ADEC)</u>	
The applicant has sufficiently demonstrated Green eligible components under the project. Program guidance can be found at the following ADEC web site: http://dec.alaska.gov/water/muniloan/forms.htm	25

APPENDIX III

ALASKA CLEAN WATER FUND

Public Comments

During the public comment period, no comments were received.

APPENDIX IV

ALASKA CLEAN WATER FUND

Estimated Disbursement Schedule for Point Source and Non-Point Source Projects

ALASKA CLEAN WATER FUND
Estimated Disbursement Schedule
FFY16 Capitalization Grant Funded & Other Program Funded Projects

Entity	Project/Set-Aside	Amount	FFY16	FFY17	FFY17	FFY17	FFY17	FFY17	FFY17	FFY17
			4th Qtr.	1st Qtr.	2nd Qtr.	3rd Qtr.	4th Qtr.	1st Qtr.	2nd Qtr.	3rd Qtr.
ADEC	Administrative Costs	\$1,108,000	\$110,800	\$166,200	\$221,600	\$55,400	\$110,800	\$166,200	\$221,600	\$16,342
Anchorage - AWWU	PS 30/31 Force Main and Facility Upgrades	\$1,760,000	\$176,000	\$264,000	\$352,000	\$88,000	\$176,000	\$264,000	\$352,000	\$88,000
Anchorage - AWWU	7th-9th Ave I St - LM Alley Sewer Upgrades	\$784,000	\$78,400	\$117,600	\$156,800	\$39,200	\$78,400	\$117,600	\$156,800	\$39,200
Anchorage - AWWU	GWWTF Upgrade Phase II	\$20,000,000	\$2,000,000	\$3,000,000	\$4,000,000	\$1,000,000	\$2,000,000	\$3,000,000	\$4,000,000	\$1,000,000
Anchorage - AWWU	King Street Warm Storage Bldg Upgrade	\$3,288,000	\$328,800	\$493,200	\$657,600	\$164,400	\$328,800	\$493,200	\$657,600	\$164,400
Anchorage - AWWU	King Street Septage Receiving Station	\$1,378,400	\$137,840	\$206,760	\$275,680	\$68,920	\$137,840	\$206,760	\$275,680	\$68,920
Anchorage - AWWU	3rd-4th Ave-Ingra-Eagle St Sewer Rehabilitation	\$245,600	\$24,560	\$36,840	\$49,120	\$12,280	\$24,560	\$36,840	\$49,120	\$12,280
Anchorage - AWWU	King Street Improvements	\$3,000,000	\$300,000	\$450,000	\$600,000	\$150,000	\$300,000	\$450,000	\$600,000	\$150,000
Anchorage - AWWU	ERWWTF Facility Plan	\$400,000	\$40,000	\$60,000	\$80,000	\$20,000	\$40,000	\$60,000	\$80,000	\$20,000
Anchorage - AWWU	Girdwood I&I Ph VIII	\$500,000	\$50,000	\$75,000	\$100,000	\$25,000	\$50,000	\$75,000	\$100,000	\$25,000
Anchorage - AWWU	Asplund Grit Facility Improvements	\$560,000	\$56,000	\$84,000	\$112,000	\$28,000	\$56,000	\$84,000	\$112,000	\$28,000
Anchorage - AWWU	Asplund Process Water Supply Rehabilitation	\$800,000	\$80,000	\$120,000	\$160,000	\$40,000	\$80,000	\$120,000	\$160,000	\$40,000
Anchorage - AWWU	Blueberry Sewer Rehabilitation	\$1,176,000	\$117,600	\$176,400	\$235,200	\$58,800	\$117,600	\$176,400	\$235,200	\$58,800
Anchorage - AWWU	King St Back Up Power Upgrades	\$1,040,000	\$104,000	\$156,000	\$208,000	\$52,000	\$104,000	\$156,000	\$208,000	\$52,000
Anchorage - AWWU	W 72nd Ave Trunk Rehabilitation	\$838,400	\$83,840	\$125,760	\$167,680	\$41,920	\$83,840	\$125,760	\$167,680	\$41,920
Anchorage - AWWU	Interceptor C: Force Main Gravity Junction Rehabilitation	\$600,000	\$60,000	\$90,000	\$120,000	\$30,000	\$60,000	\$90,000	\$120,000	\$30,000
Anchorage - AWWU	1st Avenue A-F Streets Sewer Rehabilitation	\$538,400	\$53,840	\$80,760	\$107,680	\$26,920	\$53,840	\$80,760	\$107,680	\$26,920
Anchorage - AWWU	2nd Ave Post Rd Sewer Rehabilitation	\$469,600	\$46,960	\$70,440	\$93,920	\$23,480	\$46,960	\$70,440	\$93,920	\$23,480
Anchorage - AWWU	5th-7th Ave Coastal-Ocean Sewer Rehabilitation	\$326,400	\$32,640	\$48,960	\$65,280	\$16,320	\$32,640	\$48,960	\$65,280	\$16,320
Homer	Kachemak Drive Sewer Main (Phase III)	\$801,800	\$80,180	\$120,270	\$160,360	\$40,090	\$80,180	\$120,270	\$160,360	\$40,090
Homer	Lillian Walli Subdivision/Eric Ln Sewer Extension	\$262,000	\$26,200	\$39,300	\$52,400	\$13,100	\$26,200	\$39,300	\$52,400	\$13,100
Juneau	Long Term Biosolids Treatment & Disposal: Phase II	\$10,000,000	\$1,000,000	\$1,500,000	\$2,000,000	\$500,000	\$1,000,000	\$1,500,000	\$2,000,000	\$500,000
Ketchikan	Schoenbar Road Sewer Mains Replacement	\$3,485,817	\$348,582	\$522,873	\$697,163	\$174,291	\$348,582	\$522,873	\$697,163	\$174,291
Ketchikan	Chatham Avenue Sewer Main Replacement	\$1,225,368	\$122,537	\$183,805	\$245,074	\$61,268	\$122,537	\$183,805	\$245,074	\$61,268
Ketchikan	Front, Mill, Stedman Water and Sewer Replacement	\$5,178,783	\$517,878	\$776,817	\$1,035,757	\$258,939	\$517,878	\$776,817	\$1,035,757	\$258,939
Kodiak	City of Kodiak Wastewater Centrifuge Installation	\$800,000	\$80,000	\$120,000	\$160,000	\$40,000	\$80,000	\$120,000	\$160,000	\$40,000
Mat-Su Borough	Central Landfill Cell 4 Design and Construction	\$7,000,000	\$700,000	\$1,050,000	\$1,400,000	\$350,000	\$700,000	\$1,050,000	\$1,400,000	\$350,000
Mat-Su Borough	Mat-Su Septage & Leachate Treatment Facility	\$22,000,000	\$2,200,000	\$3,300,000	\$4,400,000	\$1,100,000	\$2,200,000	\$3,300,000	\$4,400,000	\$1,100,000
Mat-Su Borough	Leachate Pipeline and Storage	\$5,000,000	\$500,000	\$750,000	\$1,000,000	\$250,000	\$500,000	\$750,000	\$1,000,000	\$250,000
Nome - NJUS	Sclaircore Replacement-Ph III	\$3,249,100	\$324,910	\$487,365	\$649,820	\$162,455	\$324,910	\$487,365	\$649,820	\$162,455
North Pole	Wastewater Effluent Discharge Phase 1	\$2,000,000	\$200,000	\$300,000	\$400,000	\$100,000	\$200,000	\$300,000	\$400,000	\$100,000
Petersburg	Kiseno Street Sewer Replacement	\$160,000	\$16,000	\$24,000	\$32,000	\$8,000	\$16,000	\$24,000	\$32,000	\$8,000
Petersburg	Pump Station 4 Force Main Replacement	\$360,000	\$36,000	\$54,000	\$72,000	\$18,000	\$36,000	\$54,000	\$72,000	\$18,000
Sitka	Lift Station Backup Generator Replacement	\$311,000	\$31,100	\$46,650	\$62,200	\$15,550	\$31,100	\$46,650	\$62,200	\$15,550
Sitka	Brady Lift Station Upgrades	\$217,400	\$21,740	\$32,610	\$43,480	\$10,870	\$21,740	\$32,610	\$43,480	\$10,870
Sitka	Lake and Monastery Sewer Improvements	\$2,581,861	\$258,186	\$387,279	\$516,372	\$129,093	\$258,186	\$387,279	\$516,372	\$129,093
Valdez	Airport Industrial Subdivision Sewer	\$843,164	\$84,316	\$126,475	\$168,633	\$42,158	\$84,316	\$126,475	\$168,633	\$42,158

APPENDIX V

ALASKA CLEAN WATER FUND

Federal “Cross-Cutter” Authorities

ALASKA CLEAN WATER FUND

List of Federal “Cross-Cutting” Authorities

Archeological and Historic Preservation Act of 1974, PL 93-291
Clean Air Act, 42 U.S.C. 7506(c)
Clean Water Act, PL 92-500, as amended
Coastal Barrier Resource Act, 16 USC. 3501 et seq.
Coastal Zone Management Act, of 1972, PL 92-583, as amended
Endangered Species Act, 16 U.S.C 1531 et seq.
Protection and Enhancement of the Cultural Environment Executive Order 11593
Floodplain Management, Executive Order 11988
Farmland Protection Policy Act, 7 U.S.C 4201 et seq.
Fish and Wildlife Preservation Act, of 1966, PL 890665, as amended
Wild and Scenic Rivers Act, PL 90-542, as amended
Historic Sites Act 1935, 16 U.S.C. 461-467
Demonstration Cities and Metropolitan Development Act of 1966, PL 89-754, as amended Executive Order 11738
Age Discrimination Act, PL 94-135
Civil Rights Act of 1964, PL 88-352
Prohibition Against Sex Discrimination Under the Federal Water Pollution Control Act, Section 13 of PL 92-500
Equal Employment Opportunity, Executive Order 11246
Women’s and Minority Business Enterprise, Executive Order 11625
Women’s and Minority Business Enterprise, Executive Order 12138
Women’s and Minority Business Enterprise, Executive Order 12432
Rehabilitation Act of 1973, Executive Order 11914
Rehabilitation Act of 1973, Executive Order 11240
Uniform Relocation and Real Property Acquisition Policies Act of 1970, PL 91-646
Debarment and Suspension, Executive Order 12549
Safe Drinking Water Act, Section 1424(e), PL 92-523, as amended
Wetlands, Executive Order 11990
Environmental Justice, Executive Order 12898
Small Businesses in Rural Areas, PL 100-590
Drug Free Workplace, PL 100-690
Anti-lobbying, PL 101-121