

ALASKA CLEAN WATER FUND

STATE WASTEWATER LOAN PROGRAM

INTENDED USE PLAN FINAL

FFY15 Grant Allotment

State Fiscal Year 2016



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 2015

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

ADEC continues to put forth an effort to increase the programs pace which includes executing loans sooner, having project funds disbursed earlier, and having projects go into repayment sooner after close out. New for this year's IUP is the inclusion Federal Water Pollution Control Act 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) 16 ADEC will again 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 16, ADEC will fully supplement the 4 percent administrative set aside currently used to pay for administrative expenses for program operations with the annual loan fee account. ADEC charges an annual loan fee in the amount of 0.5 percent of the unpaid loan balance. ADEC anticipates running 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, and to homeowners through a link-deposit program for on-site septic system improvements.
7. With implementation of new loan program management software, ADEC will 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 SFY 2015, 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. As done in recent years, commitment of additional funds made available to borrowers will be 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. Additionally, the inclusion of two and a half years’ loan repayments better matches the supply of funds to the demand for funds. Failure to provide loans at a level that can be supported by the program means fewer projects completed and higher balances of Clean Water State Revolving Fund (CWSRF) cash remaining unused. Future calculations of funds available may be adjusted up or down as conditions warrant
9. ADEC this year and on into the future will fully supplement the administrative expenses for program operations with the annual loan fee account. ADEC charges an annual loan fee in the amount of 0.5 percent of the unpaid loan balance. Although ADEC anticipates running the program completely with the loan fee account in future years, as needed withdraws up to \$400,000 or up to one fifth of a percent on the current valuation of the fund will be made.

Short Term

1. Under this IUP, provide low interest loans of \$35.3 million to communities for eligible wastewater treatment or nonpoint source pollution projects.
2. Provide not less than 10% (\$838,800) 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.
3. A funding subsidy up to no more than 30% (\$2,516,400) of the applicable portion of the anticipated capitalization grant amount may be allowed under FWPCA amendment. To offer the lowest possible financing to borrowers and ensure loan perpetuity, ADEC will not be offering any subsidies for SFY16.
4. Complete the anticipated capitalization grant Agreement with the U.S. Environmental Protection Agency (EPA) for Alaska's FFY15 Title VI allocation.
5. For SFY 2016, ADEC will be incorporating a number of changes to the ACWF program as a result of last year's 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 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.
6. 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.
7. 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.
8. For SFY 2016, ADEC plans to fully initiate a new online disbursement request/financial reporting system for loan recipients, which minimally must be submitted by recipients every quarter. The online financial report will also be included as part of the current online quarterly project status reporting system which was initiated in SFY13. The online payment reporting system is expected to begin with limited use in SFY15. Note, this was anticipated to be done in the previous fiscal but due to needed software upgrades a one year delay was necessary.
9. ADEC will continue to develop and implement a web based access system for incorporating a new financial and project management software package system for better program administration and forecasting. The primary objective for SFY16 will be to complete data flow between on-line reports Online Application System (OASys) and the financial management software Loan Grant Tracking System (LGTS).

* The amount of subsidization available only applies to the State's capitalization grant portion of the total available federal CWSRF FFY13 allotment amount that is greater than \$1 Billion.

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.

Funding Sources (as of March 12, 2015)

ADEC has several sources of funds available to support the proposed project financing and program administrative costs for this IUP. 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:

- The total amount of federal monies granted to the program including this application cycle is \$240,787,135. These funds include \$23,455,000 in unmatched funds received through the American Recovery and Reinvestment Act of 2009.
- The federal grant request to EPA this year will be for \$8,388,000 matched by state funds of \$1,677,600.
- State appropriations of \$19,807,300 and bond receipts of \$ 21,701,246 were secured earlier.
- Other significant funding sources include investment interest earnings of \$ 45,928,098, principal repayments on loans of \$ 158,296,719 and interest repayments of \$ 28,826,044.
- Investment earnings and principal and interest payments of \$ 4,937,362 are expected to be paid into the ACWF thru the end of SFY15.
- Projected repayments of principal and interest for SFY15 and SFY16 is expected to total \$13,992,198.
- The total amount of loan commitments made to date is \$417,467,103. This amount accounts for both increases and deobligated funds from projects that have completed construction.
- The total amount of loan commitments pending to be executed in the SFY15 fourth quarter amounts to \$17,702,124.
- The \$29,000,000 transfer from the Clean Water Fund to the Drinking Water Fund was completed August, 2007.
- The program has set aside a total of \$ 9,631,005 to pay for the costs of administering the program.
- Previous and estimated bonding and transactions costs totaling \$21,769,595 include administrative, bond sale and interest costs resulting from the sale of bonds that were incurred in previous years.
- Bonding and transaction costs to be paid are \$1,680,200.

A total of \$35.3 million will be available upon issuance of this amended IUP. The \$35.3 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 principle forgiveness if offered) funding at 100% federal. Draws for loan funding are split between state match and federal funding at a ratio that ensures the full state match requirement is met for the overall award, despite the 100% federal treatment of administrative funds. As of October 31, 2014, all ADEC draws are split between state match and federal funding at a ratio that ensures the full state match requirement is met for the overall award. This loan funding ratio is currently 16.6667% state match, 83.3333% federal.

ALASKA CLEAN WATER FUND

As of March 12, 2015

Funding Sources:

Federal Grants		\$ 232,938,962
FFY 15 Federal Allocation Capitalization Grant Request		8,388,000
FFY 15 State Match Appropriation		1,677,600
Bond Proceeds		
State Match, prior years		
State Match - General Funds	\$ 19,807,300	
State Match - Bond Proceeds	21,701,246	
Total State Match		41,508,546
Investment Interest		45,928,098
Repayment		
Loan Principal	158,296,719	
Loan Interest (net of fees)	28,862,044	
Total Repayments		187,122,762
Projected 2015 Repayments		4,937,362
Projected 2016 Repayments		9,054,836
Funds Available		\$ 531,556,166

Program Commitments:

Loan Commitments		417,467,103
Applications Received:		
ACWF#131421 Anchorage Fish Creek Inter Rehab	3,000,000	
ACWF#131201 Anchorage Landfill Expansion 8B	4,474,800	
ACWF#395021 Haines Sewer Treatment Plant Health	1,715,000	
ACWF#395241 Haines Sewer Plant Roof Replace	500,000	
ACWF#475071 Kenai WWTP	1,463,400	
ACWF#482041 KGB South Tongass Sewer Main	2,858,024	
ACWF#783121 Sitka Degroff Street	1,463,700	
ACWF#783131 Sitka Cathodic Protection	397,000	
ACWF#685281 East Nome Sewer Replacement	1,830,200	
		17,702,124
Total Loan Commitments Pending		

Total Loan Commitments		435,169,227
Transfer from ACWF to ADWF		29,000,000
Administrative Set-Aside		9,631,005
Previous Bonding and Transaction Costs		21,769,595
Bonding and Transaction Costs to Be Paid		1,680,200
Total Program Commitments		\$497,250,027
	Net Amount Available for Loans	\$35,255,660

SELECTION OF PROJECTS

1. Identification of Priority Projects

An electronic mailing was done on December 30, 2014 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 \$7,051,132 is earmarked for projects that address nonpoint source water pollution. During this year's solicitation, two proposals were received for nonpoint source projects totaling \$1,160,000 and since the total project amount is less than funds available, any excess available funds will be made available to any underfunded point source Priority listed project. Subtracting the amount needed to fund nonpoint source projects from the total available amount of \$35,255,660 leaves \$34,095,660 to fund point source projects. Funding down the Point Source priority list to the Haines – Sewer Treatment Plant Health and Safety Upgrades project will require \$ \$35,407,557 which exceeds the available amount by \$1,311,897. 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 13, 2015), 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 6 through May 5, 2015, 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.

A second 10 day public notice was issued to address comments on the earlier April 6 through May 5, 2015 public notice. The notice was published in a newspaper of statewide circulation period and ran from May 18 through May 27, 2015. No additional comments were received.

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 FFY15 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 FFY15 Grant

FFY15 1 st Quarter	FFY15 2 nd Quarter	FFY15 3 rd Quarter	FFY15 4 th Quarter
\$3,350,400	\$2,512,800	\$1,256,400	\$1,256,400

NOTE: The federal payment schedule above was determined as follows:

The binding commitment schedule was reviewed. Estimated binding commitment amounts and estimated state administrative payment requests were added together for each federal fiscal year quarter in which they are scheduled to be paid, resulting in a total quarterly cash requirement.

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 12, 2015, and compares that amount to the binding commitments executed as of March 12, 2015.

FUNDS AVAILABLE AS OF MARCH, 2015

Total Federal Cap Grants Awarded	Total State Match	Total Principal Repayments	Total Interest Repayments	Total Investment Interest	Total Transfers	Total Administrative Set-Aside	Total Bonding Costs	TOTAL FUNDS AVAILABLE
232,399,135	41,508,518	158,296,719	28,826,044	45,928,098	(29,000,000)	(9,631,005)	(21,769,595)	446,557,914
TOTAL BINDING COMMITMENTS AS OF MARCH 12, 2015:								440,950,902
BINDING COMMITMENTS AS A PERCENTAGE OF FUNDS AVAILABLE:								98.74%

Additionally, to assure expeditious and timely expenditure of funds, a requirement that the first disbursement for a loan be made within two years after signing of the loan agreement has been implemented. 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 – Project Number 131411

b) Clean Water Benefits Reporting (CBR)

Project milestones and information are reported through EPA’s Clean Water Benefits Reporting database. ADEC commits to entering benefits information on all projects into CBR by the end of the quarter in which the assistance agreement is signed.

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 a newly 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 FFY15 anticipated federal capitalization grant, no more than 30% of the applicable portion (approximately \$2,516,400) of the grant may be offered in the form of additional subsidies. ADEC has chosen to not offer any additional subsidization under this year’s IUP, which will allow ADEC to continue to offer well below market financing rates. If this decision is changed at a later time, the following affordability criteria will be used.

For disadvantage communities, an amount of 10% or up to a maximum amount of \$250,000 (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 25% 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 FFY 15, the anticipated capitalization grant amount awarded to the State, and to the extent there are sufficient eligible project applications, not less than 10% (\$838,800) 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 \$1,723,720, which exceeds the 10% minimal required amount by \$884,920. ADEC will make its best effort to assure adequate participation is made for meeting the minimal reserve amount of \$838,800.

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.

10. 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.

11. 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.

12. 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

ADMINISTRATIVE USES

In SFY 16, 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 16, ADEC is requesting \$335,520 (or 4%) of the FFY15 capitalization grant of \$8,388,000 to be banked for future administrative funding in the program. A calculation of total administrative reserve costs is as follows:

Calculation of Administrative Reserves

FFY 15 Grant

Federal grants prior to FFY14		\$232,938,962
FFY15 Capitalization Grant		<u>8,388,000</u>
	Total federal grant requested	\$241,326,962
Allowable administrative funds (4% of 209,483,962)		\$9,653,078
Administrative funds requested and reserve funds utilized*		\$9,107,570
SFY16 administrative amount requested		<u>0</u>
	Total administrative funds utilized	\$9,107,570
Allowable administrative funds		<u>\$9,653,078</u>
- Total Administrative funds utilized		<u>9,107,570</u>
	Amount to be reserved	<u>\$545,508</u>

*as April 24, 2015

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 12, 2015, the program has collected \$6,615,073. For SFY16, the program anticipates collecting \$504,398 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 \$1,677,600 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 PROPOSED 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 proposed to be incorporated into the ACWF program.

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 2016**

Rank	Score	APDES Permit Number	Category	Community	Project Title	Project Description	Requested Assistance Amount	Finance Charge Rate	Term (Yrs)	Green Project Amount ²	Green Project Type ²	Estimated Binding Commitment	Estimated Construction Start	Sustainability Policy ³
1	660	AK-0021458	III(b)	Petersburg	Scow Bay 1 Pump Station Upgrade	Inadequate wet well storage capacity and undersized pumps replaced with properly sized and rated submersible pumpstation, and which will include high efficiency pumps and controls.	\$400,000	1.50%	20	\$400,000	ENG-BC	7/1/2015	6/1/2016	Fix it First
2	575	AK-0021440	III(b)	Ketchikan ♦	Schoenbar Road Sewer Mains Replacement	Install 2,200 Lineal feet of 8" to 12" C900 PVC sewer mains, and 12 sewer manholes, in approximately 1,400 feet of roadway.	\$3,006,944	1.50%	20			7/1/2015	9/30/2015	Fix it First ●
3	575	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.	\$1,057,013	1.50%	20			7/1/2015	9/30/2015	Fix it First ●
4	540	AK-0021474	I	Anchorage - AWWU	Girdwood Wastewater Treatment Facility - Ph II ■	Work will include various upgrades and expansion of the Girdwood Wastewater Treatment Facility to meet existing and future flows from the Girdwood area.	\$24,000,000	1.50%	20			2/9/2016	12/5/2016	Fix it First
5	535	2007DB0003	III(b)	Nome ♦	Nome Sciaircore Replacement-Ph III	Replacement of failing sciaircore piping systems, and rehabilitation of the main wastewater lift station to wastewater lagoons. Energy savings on reduced I&I from correction of permafrost impacts.	\$3,249,100	1.50%	20	\$649,820	EIN-BC	6/15/2015	6/1/2015	Fix it First
6	480	AK-0021458	III(b)	Petersburg ♦	Pump Station 4 Force Main Replacement	Replace a badly corroded ductile iron force main that has been under influence of tidal waters since its installation in the mid 1970's.	\$325,000	1.50%	20			8/31/2015	4/4/2016	Fix it First
7	430	AK-0023213	III(b)	Sitka	Marine Street Sewer - Osprey to Erler	Replace Marine Street sewer from Osprey Street to Erler Street. Work includes 600 LF of 8" C900 sewer main, 3 sanitary manholes and 24 services. Energy savings on lift stations from reduced I&I.	\$1,052,500	1.50%	20	\$210,500	ENG-BC	7/1/2015	4/1/2017	Fix it First
8	430	AK-0021385	I	Haines ♦	Sewer Treatment Plant Health and Safety Upgrades ¹	Upgrades will allow screening to be done on the first floor (currently located on the second floor), which will reduce energy costs incurred by pumping the sewage, and will allow for greater energy efficiency.	\$2,317,000	1.50%	20	\$463,400	ENG-BC	7/1/2015	5/2/2016	Fix it First

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

Total Requested Amount: **\$35,407,557**

■ Equivalency Project (criteria may be referenced on page 9)

Total Green Amount: **\$1,723,720**

● Extra 50 points for "ready to go projects," approved construction by February 13, 2015

Total Equivalency Amount: **\$24,000,000**

¹ Full funding of the Haines - Sewer Treatment Plant Health and Safety Upgrades project for \$2,317,000 will be dependent upon remaining available loan funds. The Department will negotiate with Haines to provide additional funds as they become available later in the year. Total available funding under this IUP is \$35,255,660, and is split on a ratio of 80/20 between Point Source Priority List (\$28,204,528) and Non-Point Source Priority List (\$7,051,132) projects. Note, any funding that is not awarded to Non-Point Source projects will be awarded to Point Source projects or vice-versa if necessary.

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.

³ 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 2016**

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
9	420	AK-0021431	VII(j)	Anchorage - SWS	Landfill Leachate Hauling Equipment ■	Replace three (3) tanker trailers used for hauling leachate to the POTW.	\$401,000	1.50%	20			7/1/2015	1/4/2016	Fix it First
10	415	AK-0021458	III(b)	Petersburg ◆	Haugen Drive Sewer Manhole Rehabilitation	Replace two deficient wastewater manholes and rehabilitate eight other manholes on Haugen Drive, from 1st Street to 8th Street in Petersburg.	\$108,376	1.50%	20			6/30/2015	3/31/2015	Fix it First
11	415	AK-0021431	I	Anchorage - AWWU	AWWTF Screen Auto, Headworks HWS, Code Analysis Update ■	Rehabilitate existing influent screens, upgrade the screen automation system, and conduct fire code facility review and make necessary upgrades.	\$1,300,000	1.50%	20			9/18/2015	10/23/2015	Fix it First
12	410	2003DB0096-1009	III(b)	Sand Point ◆	Lift Station Upgrades	Upgrade five lift stations, which includes replacement of guide rails, pumps, plumbing, panels, sheltering, and other critical components. Energy savings with more efficient pumps and controls.	\$335,150	1.50%	20	\$67,030	ENG-BC	7/15/2015	9/15/2015	Fix it First
13	405	AK-0021458	III(b)	Petersburg ◆	Kiseno Street Sewer Replacement	Replace aged and failing asbestos cement and PVC pipe on Kiseno Street.	\$160,000	1.50%	20			6/30/2015	9/30/2015	Fix it First
14	400	AK-0021431	III(b)	Anchorage - AWWU	Downtown Pipe Replacement ■	Rehabilitate or replace existing vitrified clay sewer main sections within downtown Anchorage.	\$850,000	1.50%	20			7/1/2015	8/20/2015	Fix it First
15	345	AK-0022543	I	Anchorage - AWWU	ERWWTF Rehabilitation ■	Upgrades to headworks area, return activated sludge piping system, emergency backup generator, windows and doors, and fire alarm system. Energy efficiency window and door installations.	\$11,500,000	1.50%	20	\$225,000	ENG-BC	8/14/2015	9/24/2015	Fix it First
16	325	AK-0052388	III(b)	King Cove ◆	Downtown Wastewater System Upgrade	Design and construction of a new downtown lift station to replace an existing one that has documented major safety issues and a number of system components that need to be replaced and/or upgraded.	\$500,000	1.50%	20			6/1/2015	5/1/2016	Fix it First
17	325	AK-0021431	I	Anchorage - AWWU	AWWTF Gravity Thickener and Clarifiers Rehab ■	Design and rehabilitation of aging, corroded elements within the gravity thickeners 2, 3 and 4 and upgrade of four primary clarifiers at the AWWTF.	\$1,500,000	1.50%	20					Fix it First
18	325	AK-0023213	III(b)	Sitka	Crescent Lift Station Replacement	Full lift station replacement due to a retro-fitted lift station with minimal capacity, resulting in frequent surcharging and high-level alarms. Energy efficiency achieved with more efficient pumps and controls.	\$502,500	1.50%	20	\$100,500	ENG-BC	7/1/2015	4/1/2016	Fix it First
19	320	AK-0021431	III(b)	Anchorage - AWWU	Interceptor Rehabilitation ■	Structural rehabilitation and cleaning of the 78/84-inch RCP Interceptor A2 and structural rehabilitation and cleaning of the 36/48-inch Interceptor D/Pine Trunk Component.	\$2,500,000	1.50%	20			12/89/15	1/7/2016	Fix it First
20	320	2003db0037	III(b)	Kotzebue ◆	Lift Station No.9 Replacement/Upgrade	Replace/upgrade submersible pumps to high energy efficient above ground pumps, and install electrical controls/components into a new building enclosure over an upgraded wetwell.	\$600,000	1.50%	20	\$120,000	ENG-BC	7/1/2015	6/6/2016	Fix it First

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

Total Requested Amount: **\$ 20,257,026**

■ Equivalency Project (criteria may be referenced on page 9)

Total Green Amount: **\$ 512,530**

● Extra 50 points for "ready to go projects," approved construction by February 13, 2015

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 2016**

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
21	315	2003db0037	III(b)	Kotzebue ♦	Lift Station No.12 Replacement	Install new energy efficient above ground pumps, SCADA Control Systems,new building enclosure, and wetwell replacement. It will also replace/upgrade gravity & Force Main piping & manholes.	\$1,500,000	1.50%	20	\$300,000	ENG-BC	7/4/2015	6/6/2016	Fix it First
22	315	AK-0021431	I	Anchorage - AWWU	AWWTF Improvements ■	Remove the obsolete sludge incinerator No. 1, improvements to stabilize the slopes and foundation of the effluent outfall structure and upgrade the HVAC in the Old Raw Sludge Pump Station.	\$1,100,000	1.50%	20			10/2/2015	11/19/2015	Fix it First
23	310	AK-0023213	I	Juneau	Biosolids Treatment Project ■	Selection of energy efficient sludge dryer system; design and build headworks and other treatment improvements; and, design and begin construction of dryer and associated infrastructure installation.	\$10,000,000	1.50%	20	\$2,000,000	ENG-BC	6/1/5/15	7/1/2015	Improve TFM
24	305	Pending	I	Mat-Su Borough ♦	Mat-Su Septage & Leachate Treatment Facility	Design and construct a new energy efficient 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	\$4,400,000	ENG-BC	6/15/2015	2/27/2017	Improve TFM
25	300	2003db0037	III(b)	Kotzebue ♦	Lift Station No.1 Replacement/Upgrade	Replace submersible pumps with highly energy efficient above ground pumps, new electrical components/SCADA, and construct a building enclosure over an existing wetwell.	\$600,000	1.50%	20	\$120,000	ENG-BC	6/4/2015	6/6/2016	Fix it First
26	300	2003db0037	III(b)	Kotzebue ♦	Lift Station No.7 Replacement/Upgrade	Replace submersible pumps with highly energy efficient above ground pumps, new electrical components/SCADA, and construct a building enclosure over an existing wetwell.	\$600,000	1.50%	20	\$120,000	ENG-BC	6/4/2015	6/6/2016	Fix it First
27	280	AK-0021385	IV(a)	Haines ♦	Moose Lane Sewer Main Extension	Extend approximately 1,050 feet of 6" PVC pipe on Moose Lane and North Sawmill Road in order to bring service to approximately eight properties currently not served by the utility.	\$158,000	1.50%	20			9/1/2015	6/1/2016	Improve TFM
28	280	AK-0021547	I	Corodva ♦	Wastewater Treatment Plant Blower Upgrades	Replace one pump and upgrade to High Speed Turbine (HST) blowers and/or install variable frequency drives for better energy efficiency.	\$200,000	1.50%	20	\$90,000	ENG-BC	6/18/2015	9/21/2015	Fix it First
29	220	AK-0023213	I	Juneau	Juneau Waste Water Plant Upgrades ■	The initial phase of this infrastructure upgrade project replaces severely corroded existing cat walk structures in the Aeration Basin and Digester buildings.	\$2,000,000	1.50%	20			5/31/2015	2/1/2016	Fix it First
30	220	AK-0023213	I	Sitka	WWTP HVAC improvements	Replace oil-fired boilers with an energy efficient heat pump utilizing treated effluent as a heat source. Additionally, replace existing unit heaters, supply fans, exhaust fans and scrubbers.	\$2,832,500	1.50%	20	\$1,416,250	ENG-BC	7/1/2015	3/1/2017	Fix it First
31	220	AK-0023213	I	Sitka	WWTP building envelope improvements	Replace doors, windows, insulation, sheathing, and wooden cladding to improve the facility's insulation and moisture resistance, and reduce energy needed to maintain temperatures in the facility.	\$1,825,000	1.50%	20	\$1,825,000	ENG-BC	7/1/2015	5/1/2018	Fix it First
32	215	AK-0021431	I	Anchorage - AWWU	Asplund WWTF Sludge Dewatering Replacement ■	Replace two of the three belt filter presses at the AWWTF with new sludge dewatering equipment, and upgrade the thickened sludge piping in the vicinity of the belt filter presses.	\$4,250,000	1.50%	20			1/15/2016	2/27/2017	Fix it First

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

Total Requested Amount: **\$ 47,065,500**

■ Equivalency Project (criteria may be referenced on page 9)

Total Green Amount: **\$10,271,250**

● Extra 50 points for "ready to go projects," approved construction by February 13, 2015

Total Priority & Planning Amount: **\$102,730,083**

Total Priority & Planning Green Amount: **\$12,507,500**

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 2016**

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
1	115	King Cove ♦	Landfill Expansion and Upgrade	Install an incinerator and construct a solid waste handling facility at a new site; expand the existing landfill to accommodate incinerator ash; capping off existing solid waste disposal areas; and, a grading and re-vegetation plan of more than 50% of the existing landfill.	The EPA approved Alaska's Strategy identifies as a priority under Urban and Community Action Plan (UR-B, pg. 31), "Provide education, technical and financial assistance to communities to ensure good drinking water and basic sanitation and sewage disposal needs are met,." Additionally, on pages 82 - 83 of the strategy, this type of project is identified as providing water quality benefits which is an eligible nonpoint source pollution control project under the ACWF program, and comes under a listed grouping of nonpoint projects in this section as "Capping and closing out existing landfills and the water quality related portions of new landfills."	\$1,100,000	1.50%	20			6/1/2015
2	55	Cordova ♦	Mile 17 Landfill Monitoring Well Upgrades	Replace Well MM2 which is dry and re-evaluate the groundwater monitoring program starting with determining if the groundwater flow direction and groundwater elevations have changed since the 1993 surveys.	The EPA approved Alaska's Strategy identifies as a priority under Urban and Community Action Plan (UR-B, pg. 31), "Provide education, technical and financial assistance to communities to ensure good drinking water and basic sanitation and sewage disposal needs are met,." Additionally, on pages 82 - 83 of the strategy, this type of project is identified as providing water quality benefits which is an eligible nonpoint source pollution control project under the ACWF program, and comes under a listed grouping of nonpoint projects in this section as "Capping and closing out existing landfills and the water quality related portions of new landfills."	\$60,000	1.50%	20			6/16/2015

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

Total Requested Amount: **\$ 1,160,000**

\$ -

¹ Total available funding under this IUP is \$35,255,660, and is split on a ratio of 80/20 between Point Source Priority List (\$28,204,528) and Non-Point Source Priority List (\$7,051,132) projects. Note, any funding that is not awarded to Non-Point Source projects will be awarded to Point Source projects or vice-versa if necessary.

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 SFY16 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
1.	A human disease event exists, documented by a recognized public health authority. Construction of this project will correct the problem. <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>	350
2.	Current conditions are severe enough that a disease event can occur, but has not been reported. This project will resolve the problem. <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>	300
3.	Conditions indicate that there is a high potential that a disease event could occur. This project will minimize potential future public health problems. <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>	200
4.	Conditions are not probable that a disease event will occur. This project will minimize potential future public health problems.	100
5.	This project has no significant health related issues	0

WATER QUALITY CONSIDERATIONS (only one)

1.	This project will correct a documented pollution event in a:	
	303(d) Category 5 Listed Water Body	250
	303(d) Category 4b Listed Water Body	240
	303(d) Category 4a Listed Water Body	230
	Non-303 d listed Water	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:	
303(d) Category 5 Listed Water Body	230
303(d) Category 4b Listed Water Body	220
303(d) Category 4a Listed Water Body	210
Non-303 d listed Water	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 impact	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

Assigned
Points

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 |

AFFORDABILITY CRITERIA (only one)

- | | | |
|----|---|----|
| 1. | 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. | 25 |
|--|--|----|

APPENDIX IIb

ALASKA CLEAN WATER FUND

Non-Point Source Priority Criteria



ALASKA CLEAN WATER FUND STATE REVOLVING FUND (SRF) PRIORITY CRITERIA FOR SFY16 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) PREVENTION*	
This project's main emphasis is prevention of non-point source pollution in a:	
303(d) Category 5 Listed Water Body	100
303(d) Category 4b Listed Water Body	90
303(d) Category 4a Listed Water Body	80
Non-303 d listed Water	60
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 5 Listed Water Body	70
303(d) Category 4b Listed Water Body	60
303(d) Category 4a Listed Water Body	50
3) STEWARDSHIP***	
The proposed project will improve or maintain water quality in a:	
303(d) Category 5 Listed Water Body	50
303(d) Category 4b Listed Water Body	40
303(d) Category 4a Listed Water Body	30
Non-303 d listed Water	20

* **PREVENTION** - 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>LOCAL INITIATIVE CONSIDERATIONS (only one)</u>	
1) A TMDL, a corrective plan, or a 319 grant application has been approved.	25
2) A draft TMDL or corrective action plan has been developed, or a draft 319 grant application has been prepared.	20
3) An environmental review has been performed for the proposed project.	15
4) A feasibility study that demonstrates the need and costs for the project has been completed.	10
5) A draft feasibility study has been completed or monitoring for the project has begun	5
6) A feasibility study is proposed, or 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 (determined by ADEC)</u>	
1) Any storm water project.	40
2) Any petroleum contamination/restoration	30
3) Any community landfills	20
4) All other identified in NPSS	10
<u>GREEN PROJECT (determined by ADEC)</u>	
The applicant has sufficiently demonstrated Green eligible components under the project.	25

APPENDIX III

ALASKA CLEAN WATER FUND

Public Comments

During the public comment period of the draft SFY16 ACWF IUP, EPA provided the only comments on the draft IUP. EPA's questions and follow up by the ADEC are as follows:

EPA - Total bonding costs on Pg. 5 (\$21,701,218) in T&E statement differ from those on Pg. 6 and Pg. 10 (\$21,769,595).

ADEC – Concur, the number has been updated.

EPA - If DEC plans to use the CWSRF fee account to administer **both** programs in SFY2016 then there are two specific changes needed to what is currently written in the IUP.

ADEC - Concur, updated language has been made.

EPA - All sections referring to admin costs should identify one of the three options (4% of cap grant, \$400,000 or 1/5% current valuation of the fund); per discussions during the onsite review this is likely 4% as that is the only option that allows the continuation of banking.

ADEC - Concur, updated language has been made.

EPA – Long Term Goal #6, Pg. 3 mentions new entities for lending to non-profit organizations for water quality work; suggest specifying or modifying type of work, since WRRDA now prohibits non-profits from receiving loans for treatment works projects.

ADEC - Concur, updated language has been made.

EPA - Funding Sources/amounts (Pg. 5 and 6). There appear to be some update/calculation issues.

ADEC – Concur, numbers have been checked and updated.

EPA - Disadvantage Community Assistance, Pg. 12 income, unemployment and population trend criteria identified in WRRDA are all captured; however, the criteria is also supposed to include whether the project is in an economically distressed area per WRRDA requirements.

ADEC - Concur, updated language has been made.

EPA - GPR, Pg. 12 minor calculation errors – GPR target should be \$838,800 and the exceeded amount would be adjusted from \$22,720 to \$21,520

ADEC – Concur, numbers have been checked and updated.

EPA - 602(b)(14) A/E services, Pg. 15 Need to specify whether federal or state procurement procedures are being used. If state procedures, then AG certification that they are equivalent needs to be included during the grant application process.

ADEC - Concur, updated language has been made.

APPENDIX IV

ALASKA CLEAN WATER FUND

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

ALASKA CLEAN WATER FUND
Estimated Disbursement Schedule
FFY15 Capitalization Grant Funded & Other Program Funded Projects

Entity	Project/Set-Aside	Amount	FFY15	FFY16						
			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	Downtown Pipe Replacement	\$850,000	\$85,000	\$127,500	\$170,000	\$42,500	\$85,000	\$127,500	\$170,000	\$42,500
Anchorage - AWWU	ERWWTF Rehabilitation	\$11,500,000	\$1,150,000	\$1,725,000	\$2,300,000	\$575,000	\$1,150,000	\$1,725,000	\$2,300,000	\$575,000
Anchorage - AWWU	AWWTF Screen Auto, Headworks HWS, Code Analysis Update	\$1,300,000	\$130,000	\$195,000	\$260,000	\$65,000	\$130,000	\$195,000	\$260,000	\$65,000
Anchorage - AWWU	Asplund WWTF Sludge Dewatering Replacement	\$4,250,000	\$425,000	\$637,500	\$850,000	\$212,500	\$425,000	\$637,500	\$850,000	\$212,500
Anchorage - AWWU	AWWTF Improvements	\$1,100,000	\$110,000	\$165,000	\$220,000	\$55,000	\$110,000	\$165,000	\$220,000	\$55,000
Anchorage - AWWU	Interceptor Rehabilitation	\$2,500,000	\$250,000	\$375,000	\$500,000	\$125,000	\$250,000	\$375,000	\$500,000	\$125,000
Anchorage - AWWU	AWWTF Gravity Thickener and Clarifiers Rehabilitation	\$1,500,000	\$150,000	\$225,000	\$300,000	\$75,000	\$150,000	\$225,000	\$300,000	\$75,000
Anchorage - AWWU	Girdwood Wastewater Treatment Facility - Ph II	\$24,000,000	\$2,400,000	\$3,600,000	\$4,800,000	\$1,200,000	\$2,400,000	\$3,600,000	\$4,800,000	\$1,200,000
Anchorage - SWS	Landfill Leachate Hauling Equipment	\$401,000	\$40,100	\$60,150	\$80,200	\$20,050	\$40,100	\$60,150	\$80,200	\$20,050
Cordova	Wastewater Treatment Plant Blower Upgrades	\$200,000	\$20,000	\$30,000	\$40,000	\$10,000	\$20,000	\$30,000	\$40,000	\$10,000
Haines	Moose Lane Sewer Main Extension	\$158,000	\$15,800	\$23,700	\$31,600	\$7,900	\$15,800	\$23,700	\$31,600	\$7,900
Haines	Sewer Treatment Plant Health and Safety Upgrades	\$2,317,000	\$231,700	\$347,550	\$463,400	\$115,850	\$231,700	\$347,550	\$463,400	\$115,850
Haines	Scow Bay 1 Pump Station Upgrade	\$400,000	\$40,000	\$60,000	\$80,000	\$20,000	\$40,000	\$60,000	\$80,000	\$20,000
Juneau	Juneau Waste Water Plant Upgrades	\$2,000,000	\$200,000	\$300,000	\$400,000	\$100,000	\$200,000	\$300,000	\$400,000	\$100,000
Juneau	Biosolids Treatment Project	\$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	\$3,006,944	\$300,694	\$451,042	\$601,389	\$150,347	\$300,694	\$451,042	\$601,389	\$150,347
Ketchikan	Chatham Avenue Sewer Main Replacement	\$1,057,013	\$105,701	\$158,552	\$211,403	\$52,851	\$105,701	\$158,552	\$211,403	\$52,851
King Cove	Downtown Wastewater System Upgrade	\$500,000	\$50,000	\$75,000	\$100,000	\$25,000	\$50,000	\$75,000	\$100,000	\$25,000
Kotzebue	Lift Station No.9 Replacement/Upgrade	\$600,000	\$60,000	\$90,000	\$120,000	\$30,000	\$60,000	\$90,000	\$120,000	\$30,000
Kotzebue	Lift Station No.12 Replacement	\$1,500,000	\$150,000	\$225,000	\$300,000	\$75,000	\$150,000	\$225,000	\$300,000	\$75,000
Kotzebue	Lift Station No.1 Replacement/Upgrade	\$600,000	\$60,000	\$90,000	\$120,000	\$30,000	\$60,000	\$90,000	\$120,000	\$30,000
Kotzebue	Lift Station No.7 Replacement/Upgrade	\$600,000	\$60,000	\$90,000	\$120,000	\$30,000	\$60,000	\$90,000	\$120,000	\$30,000
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
Nome	Nome Sclaircore Replacement-Ph III	\$3,249,100	\$324,910	\$487,365	\$649,820	\$162,455	\$324,910	\$487,365	\$649,820	\$162,455
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	\$325,000	\$32,500	\$48,750	\$65,000	\$16,250	\$32,500	\$48,750	\$65,000	\$16,250
Petersburg	Haugen Drive Sewer Manhole Rehabilitation	\$108,376	\$10,838	\$16,256	\$21,675	\$5,419	\$10,838	\$16,256	\$21,675	\$5,419
Sand Point	Lift Station Upgrades	\$335,150	\$33,515	\$50,273	\$67,030	\$16,758	\$33,515	\$50,273	\$67,030	\$16,758
Sitka	Marine Street Sewer - Osprey to Erler	\$1,052,500	\$105,250	\$157,875	\$210,500	\$52,625	\$105,250	\$157,875	\$210,500	\$52,625
Sitka	WWTP HVAC improvements	\$2,832,500	\$283,250	\$424,875	\$566,500	\$141,625	\$283,250	\$424,875	\$566,500	\$141,625
Sitka	WWTP Building Envelope Improvements	\$1,825,000	\$182,500	\$273,750	\$365,000	\$91,250	\$182,500	\$273,750	\$365,000	\$91,250
Sitka	Crescent Lift Station Replacement	\$502,500	\$50,250	\$75,375	\$100,500	\$25,125	\$50,250	\$75,375	\$100,500	\$25,125

FFY15 Capitalization Grant Funded & Other Program Funded Projects

Entity	Project/Set-Aside	Amount	FFY15	FFY16	FFY16	FFY16	FFY16	FFY16	FFY16	FFY16
			4th Qtr.	1st Qtr.	2nd Qtr.	3rd Qtr.	4th Qtr.	1st Qtr.	2nd Qtr.	3rd Qtr.
King Cove	King Cove Landfill Expansion and Upgrade	\$1,100,000	\$110,000	\$165,000	\$220,000	\$55,000	\$110,000	\$165,000	\$220,000	\$55,000
Cordova	Mile 17 Landfill Monitoring Well Upgrades	\$60,000	\$6,000	\$9,000	\$12,000	\$3,000	\$6,000	\$9,000	\$12,000	\$3,000

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