

# **ALASKA CLEAN WATER FUND**

## **STATE WASTEWATER LOAN PROGRAM**

### **INTENDED USE PLAN FINAL**

**FFY12 Grant Allotment**

**State Fiscal Year 2013**



**Submitted to the U.S. Environmental Protection Agency**

**By**

**Alaska Department of Environmental Conservation**

**Division of Water**

**June 2012**

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# **ALASKA CLEAN WATER FUND**

## **State Wastewater Loan Program**

### **Intended Use Plan**

**FINAL – June, 2012**

#### **INTRODUCTION**

DEC continues to make updates to the Alaska Clean Water Fund IUP for providing better service to funding recipients and meeting program goals. Primary updates this year include incorporation of EPA's Sustainability Policy into the project questionnaire scoring and ranking process, and the decision by DEC to continue to offer Green Project Reserve credit and subsidy to projects with eligible components.

#### **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
- Nonpoint Source Prevention and Restoration Projects
- Sewer Interceptor and Collection Systems
- Enhancement Projects
- Storm Water Collection and Treatment

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 Intended Use Plan (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 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. Potential new entities may include lending to non-profit organizations for water quality type of projects, and to homeowners through a link-deposit program for on-site septic system improvements.
6. With implementation of new loan program management software, ADEC will consider a more aggressive lending policy based on the needs of the communities.

### **Short Term**

1. Provide low interest loans of \$32.7 million dollars to communities for eligible wastewater treatment or nonpoint source pollution projects.
2. Provide not less than 10% of the 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. Provide at least 20% of the applicable portion of the capitalization grant amount as a form of funding subsidy.
4. Complete the Capitalization Grant Agreement with the U.S. Environmental Protection Agency (EPA) for Alaska's FFY12 Title VI allocation.
5. When interim requests are received from communities to add new projects to the IUP, DEC will as needed, amend the IUP to accommodate communities' needs.
6. To show commitment in promoting sustainability of wastewater facilities, DEC in direction provided under EPA's Sustainability Policy has added sustainable criteria to project scoring and ranking.
7. Implementation is planned on providing a new on-line loan disbursement request system for loan recipients.
8. DEC 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

## **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 May 30, 2012)**

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 up until this application cycle is \$184,692,962.
- The federal grant request to EPA this year will be for \$8,444,000 matched by state funds of \$1,688,800.
- State appropriations of \$19,807,300 and bond receipts of \$17,438,552 were secured earlier.
- Other significant funding sources include investment interest earnings of \$42,878,418, principal repayments on loans of \$129,692,881 and interest repayments of \$25,224,945.
- Investment earnings and principal and interest payments of \$13,621,325 are expected to be paid into the Fund during SFY13.
- The total amount of loan commitments made to date is \$334,562,969. 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 SFY12 fourth quarter amounts to \$20,257,484.
- 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 \$7,725,478 to pay for the costs of administering the program.
- Previous bonding and transactions costs totaling \$17,494,597 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 \$1,693,800.

A total of \$32.7 million dollars will be available upon award of the FFY 2012 grant. The \$32.7 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 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. This loan funding ratio is currently 17.2563% state match, 82.7437% federal.

## ALASKA CLEAN WATER FUND

### Funding Sources:

Federal Grants		\$ 184,692,962
FFY 12 Federal Allocation Capitalization Grant Request		8,444,000
FFY 12 State Match Appropriation		
Bond Proceeds		1,688,800
State Match, prior years		
State Match - General Funds	\$ 19,807,300	
State Match - Bond Proceeds	17,438,552	
Total State Match		37,245,852
Investment Interest		42,878,418
Repayment		
Loan Principal	129,692,881	
Loan Interest (net of fees)	25,224,945	
Total Repayments		154,917,826
Projected 2012 Repayments and Investment Earnings		13,621,325
<b>Funds Available</b>		<b>\$ 443,489,183</b>

### Program Commitments:

Loan Commitments	334,562,969	
Loan Applications Pending (Potential)	20,257,787	
Total Loan Commitments		354,820,453
Transfer from ACWF to ADWF		29,000,000
Administrative Set-Aside		7,725,478
Previous Bonding and Transaction Costs		17,494,597
Bonding and Transaction Costs to Be Paid		1,693,800
<b>Total Program Commitments</b>		<b>\$410,734,329</b>

### Net Amount Available for Loans

**\$ 32,754,854**

## Selection of Projects

### 1. Identification of Priority Projects

A mailing was done December 30, 2011 informing all interested recipients that the questionnaire was available on-line. 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. Appendix III contains a detailed listing of ACWF project descriptions and 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. With this year's funding, a funding subsidy as principle forgiveness will be offered to all eligible projects. Further information on qualifying for a subsidy can be referenced under the section titled "Additional Subsidization – Disadvantage Community Assistance", page 9.

Under this IUP, approximately \$6,493,548 is earmarked for projects that address nonpoint source water pollution. During this year's solicitation, we received six proposals for nonpoint source projects totaling \$9,012,500. Subtracting the amount allocated to nonpoint source projects from the total available amount of \$32,467,739 leaves \$25,974,191 to fund point source projects. Funding down the Point Source priority list to the Wrangell – Sewer Pump Stations Replacement project will require \$493,589 which exceeds the available amount by \$269,661. We will fund this project to the level that there are funds available.

### 2. Public Review and Comments

The IUP, including the ranked priority lists, was made available to all eligible recipients and other interested parties. The IUP was placed on the State of Alaska, Division of Water website as well as publication in a newspaper of statewide circulation. The notice will announced the availability of the ACWF priority list, criteria system and priority list funding procedures. A thirty day public comment followed during which time comments were solicited. Appendix V is reserved for those comments and responses.

## **Distribution of Funding**

### **1. Projects to be Funded**

Following consideration of all public comments received, ADEC evaluated the project ranking and prepared 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. Project descriptions for all projects are presented in Appendix III.

### **2. Project Information**

Appendices Ia and Ib additionally contain estimated dates for binding loan commitments, loan terms, disadvantage assistance, Green project reserve, subsidies, and sustainability type.

### **3. Disbursements**

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

### **4. Federal Payments**

Alaska's proposed payment schedule for the FFY12 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 FFY12 Grant**

FFY11 4 <sup>th</sup> Quarter	FFY12 1 <sup>st</sup> Quarter	FFY12 2 <sup>nd</sup> Quarter	FFY12 3 <sup>rd</sup> Quarter
\$2,111,000	\$3,377,600	\$1,688,800	\$1,266,600

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**

The federal government provides funding for the ACWF. As one of the conditions of state acceptance of the federal funds, we must agree to execute loan agreements within a certain time. Failure to execute these agreements on time will cause the state to lose some of the funding. If the ACWF would potentially lose federal monies due to an inability to enter into a timely loan, funding will be made available for the next project on the list which is ready to proceed.

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, 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. If a loan application is not submitted for a project on the fundable portion of the list within four (4) 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. Exception to this rule is discussed in the following paragraph.

This year's federal funding of the ACWF is the requirement to meet minimal funding needs for offering loans with subsidies and projects with Green eligible components. To meet these mandated minimal funding needs, the Department 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 for funding subsidy and Green projects. Further information on these funding requirements may be referenced on page 9 and 10.

If any projects are equal in scoring, the following sequence will be used to differentiate between them:

1. The project has been identified as having Green project components.
2. If a project requires an earlier construction date, as a result of a compliance agreement or other legal order from EPA or DEC, that project will be placed ahead of the others.
3. A project with an earlier anticipated date for submitting a completed application will be moved forward.
4. If a project is already under construction and the environmental review has been completed, that project will be moved ahead.
5. If the projects are from the same city, the city 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.

## **ADDITIONAL LOAN FUND POLICIES**

### **Assurances**

#### **1. Binding Commitments**

ADEC will enter into loan agreements for 120 percent of the federal 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. The following table documents the ACWF loan program compliance with that requirement. This calculation is accurate as of March 30, 2012:

#### **FUNDS AVAILABLE AS OF JUNE, 2011:**

<b>Total Federal Cap Grants Awarded</b>	<b>Total State Match</b>	<b>Total Principal Repayments</b>	<b>Total Interest Repayments</b>	<b>Total Investment Interest</b>	<b>Total Transfers</b>	<b>Total Administrative Set-Aside</b>	<b>Total Bonding Costs</b>	<b>TOTAL FUNDS AVAILABLE</b>
175,865,962	35,173,192	118,644,114	24,312,520	42,878,418	(29,000,000)	(7,034,638)	(14,438,552)	343,401,016
<b>TOTAL BINDING COMMITMENTS AS OF MAY 30, 2012:</b>								<b>334,562,969</b>
<b>BINDING COMMITMENTS AS A PERCENTAGE OF FUNDS AVAILABLE:</b>								<b>97%</b>

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 Department 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 VII). ADEC requires compliance with these federal laws and authorities on selected ACWF loan projects.

### **5. Environmental Review**

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

### **6. Reporting**

As started under last year’s IUP will be the requirement for submission of quarterly project status reports for all communities with funding agreements in place. Reporting will commence after an agreement is fully signed and submitted at the end of every State fiscal quarter thereafter and continue until final disbursement is made. The Department 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.

Additionally, the Department will provide information to EPA as needed for national reports, public inquiries, or Congressional inquiries. DEC 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 of all “one-pager” will be presented in the ACWF annual report.

### **7. Additional Subsidization – Disadvantage Community Assistance & Green Project Reserve**

Under the FFY12 federal capitalization grant, at least 20% and no more than 30% of the applicable portion (\$469,287 and \$703,930, respectively) of the grant must be offered in the form of additional subsidies. The Department has chosen to offer a total amount of \$469,287 as additional subsidization, \$375,430 (80%) for Point Source and \$93,857 (20%) for Non-Point Source as principal forgiveness in an amount up to 9% of the value of a loan made by the State’s CWSRF Program. However, only a \$75,000 cumulative maximum disadvantage assistance subsidy amount per community is allowed for all projects in receipt of funding to the community. Additionally, for projects with qualifying Green Project Reserve components, a 1.5% subsidy or a \$15,000 cumulative maximum subsidy amount per community will be made available. Please note, prior to the expiration of this IUP the Department reserves the right to make any necessary changes to this method of subsidy allocation and the subsidy offered to projects listed in the Priority Project Lists of this IUP to ensure all subsidized funds are fully committed to projects moving forward.

For project eligibility, the Department has chosen to give loan subsidies as disadvantaged community assistance and/or if the project has an eligible Green Project Reserve component.

1. 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:
  - MHI (Median Household Income) is less than the state average MHI that is currently published by the Alaska Department of Commerce, Community and Economic Development or by the U.S Census Bureau, whichever is greater

OR,

- Rate of unemployment is above the state average unemployment rate that is currently published by the Alaska Department of Commerce, Community and Economic Development or by the U.S Census Bureau, whichever is greater.

For a community to qualify for disadvantaged assistance, they need to meet one of the above criteria. For Borough's 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.

2. Communities with eligible Green Project Reserve components are provided a subsidy to help promote Green infrastructure within their systems. The subsidy is intended to help offset higher capital costs for incorporating Green components into a project. A community does not have to be a disadvantage to qualify for the Green subsidy.

If a community meets their maximum cap on one or more of higher ranking project(s), and has additional projects listed on either list, those projects will only be funded with no subsidy. Additionally, the priority lists on Appendix Ia and Ib demonstrates that at least 20% of the capitalization grant amount will be provided via principal forgiveness. Any subsequent revision to this Fundable Project Priority list will likewise demonstrate that at least 20% of the grant will be provided via principal forgiveness.

### **8. Green Infrastructure**

Under the total FFY 12, the capitalization grant amount awarded to the State, and to the extent there are sufficient eligible project applications, not less than 10% (\$844,400) of funding provided for projects must be used for following category types: green infrastructure, water or energy efficiency improvements, and environmental innovative activities. Green 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, six projects listed on the Project Priority lists have been identified as being a Green project based on EPA current guidance. The cumulative amount of these projects is \$5,517,500, which exceeds the 10% minimal required amount by \$4,673,100. If insufficient green eligible components are determined for meeting the Green Project Reserve, the Department will withhold any deficient green project fund amount which may be needed for meeting the minimal reserve amount of \$844,400.

### **9. Sustainability Policy**

DEC is committed to promoting sustainable design and management of wastewater utilities, and clean water resources. Projects that meet DEC'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**

EPA's FY2012 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, DEC will confirm that the correct wage determinations are being included in the bid specifications and/or construction contracts. DEC 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, DEC will collect Certifications of Davis-Bacon compliance from assistance recipients with disbursement requests.

## ADMINISTRATIVE USES

ADEC is allowed to use up to four percent of the federal grant amount for administrative purposes (40 CFR 35.3120(g)). In SFY 13, ADEC is requesting \$337,760 to be used in administering the program. This request combined with administrative funds used totals \$6,278,083. As the table below shows, ADEC has not yet requested the allowable amount of \$7,725,478 for administering the program. A total of \$1,447,395 is being reserved for future administrative costs.

### Calculation of Administrative Reserves

#### FFY 12 Grant

Federal grants prior to FFY 12	\$184,692,962
FFY 12 Capitalization Grant	<u>8,444,000</u>
<b>Total federal grant requested</b>	<b>\$193,136,962</b>
 Allowable administrative funds (4% of \$193,136,962)	 \$7,725,478
 Administrative funds requested prior to FY13	 \$5,940,323
SFY 13 administrative amount requested	<u>337,760</u>
<b>Total administrative funds requested</b>	<b>\$6,278,083</b>
 Allowable administrative funds	 <u>\$7,725,478</u>
- Total Administrative funds requested	<u>6,278,083</u>
<b>Amount to be reserved</b>	<b><u>\$1,447,395</u></b>

SRF regulations were amended to initiate a fee structure that will eventually supplant the use of the four percent administrative set-aside. Under EPA guidance, the fee we collect can only be used for administrative purposes 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 May 30, 2012, the program has collected \$5,538,765\*.

\*subject to reconciliation

## 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. In addition, 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.

## **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, 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 capitalization grant \$1,688,800 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.

## **CONTENT OF APPENDICES**

- Appendix    Ia. Point Source Planning Priority & Planning Lists  
                 Ib. Non-Point Source Funding Priority & Planning Lists
- Appendix    IIa. Point Source Priority Criteria  
                 IIb. Non-Point Source Priority Criteria
- Appendix    III. Scoring Distribution of ACWF Projects
- Appendix    IV. Public Comments
- Appendix    Va. Estimate Disbursement Schedule for Point Source Projects  
                 Vb. Estimated Disbursement Schedule Non-Point Source Project
- Appendix    VI. Federal “Cross-Cutter” Authorities

# **APPENDIX Ia**

## **ALASKA CLEAN WATER FUND**

### **Point Source Funding Priority & Planning List**

# ALASKA CLEAN WATER FUND Point Source Funding Priority List

Fiscal Year 2013

Rank	Score	Community Name/System Owner	Project Title	Requested Project Amount	Available Assistance Amount <sup>3</sup>	Interest Rate	Term (Years)	Disadvantage Community	Subsidy <sup>4</sup> Subsidy for Disadvantage Community <sup>3</sup>	Subsidy for Green Project	Green Reserve <sup>5</sup> Project Type <sup>6</sup> Amount <sup>7</sup>	Estimated Binding Commitment	Sustainability Policy <sup>8</sup>
1	615	Bristol Bay Borough	Sewage Line Relocation of the Beach	\$2,670,000	\$2,670,000	1.50%	20	Yes	\$75,000			7/15/2012	Fix it First
2	615	Dillingham	Wastewater Treatment Plant Upgrades	\$2,000,000	\$2,000,000	1.50%	20	Yes	\$75,000		\$2,000,000	7/15/2012	Fix it First
3	615	Dillingham	Wastewater Collection System Upgrades <sup>1</sup>	\$2,000,000	\$2,000,000	1.50%	20	Yes			\$2,000,000	8/1/2012	Fix it First
4	605	Unalaska	Wastewater Treatment Plant Upgrade	\$8,566,600	\$8,566,600	1.50%	20	Yes	\$75,000			7/15/2012	Improve TFM
5	550	Anchorage	Girdwood Wastewater Treatment Facility - Ph II	\$3,000,000	\$3,000,000	1.50%	20	No				9/26/2012	Fix it First
6	535	Anchorage	Asplund Disinfection Study & Upgrade	\$2,000,000	\$2,000,000	1.50%	20	No				9/26/2012	Fix it First
7	530	Anchorage	West 71st Avenue Sewer Rehab	\$800,000	\$800,000	1.50%	20	No				6/3/2013	Fix it First
8	530	Valdez	Valdez WWTP Outfall Line	\$1,230,675	\$1,230,675	1.50%	20	No				8/1/2012	Fix it First
9	525	Juneau	CBJ Lawson Ck. Lift Sta. Reconstruct-Const. Phase	\$675,000	\$675,000	1.50%	20	No				8/1/2012	Fix it First
10	500	Sitka	Hollywood Way & New Archangel St Sewer	\$500,000	\$500,000	1.50%	20	Yes	\$45,000	\$7,500	\$50,000	12/20/2012	Fix it First
11	500	King Cove	Downtown Wastewater System Upgrade	\$100,000	\$100,000	1.50%	20	Yes	\$9,000			7/15/2012	Fix it First
12	495	North Pole	Utility Emergency Response Generators	\$302,500	\$302,500	1.50%	20	Yes	\$27,225	\$4,538	\$302,500	11/1/2012	Improve TFM
13	490	Seward	Lowell Point and SMC Lagoons Sludge Removal	\$490,000	\$490,000	1.50%	20	Yes	\$44,100	\$7,350	\$490,000	8/1/2012	Improve TFM
14	455	Petersburg	Pumpstation 1 Force Main	\$270,000	\$270,000	1.50%	20	Yes	\$13,699			7/16/2012	Improve TFM
15	410	Anchorage	Anchorage Landfill Leachate Control Vault Upgrades <sup>2</sup>	\$1,700,000	\$1,599,108	1.50%	20	No				10/31/2012	Improve TFM

Total Requested Amount: \$26,304,775

Subsidized Amounts:

\$364,024

\$34,388

Total Available Amount: \$26,203,983

Total Subsidized Amount<sup>3</sup>:

\$398,412

Total Green: \$4,842,500

<sup>1</sup> Subsidy funding for the Dillingham - Wastewater Collection System Upgrades project was not provided due to the Dillingham - Wastewater Treatment Plant Upgrades receiving maximum allowed subsidy for both Disadvantage Community and Green project. Also, only partial subsidy funding was available for the Petersburg - Pumpstation 1 Force Main project and the Department may increase subsidy funding if funds become available.

<sup>2</sup> Full funding of the Anchorage - Landfill Leachate Control Vault Upgrades project for \$1,700,000 will be dependent upon remaining available loan funds. The Department will negotiate with Anchorage to provide additional funds as they become available later in the year.

<sup>3</sup> Total available loan and subsidy funding amounts of \$32,754,854 and \$469,287, respectively are split on a ratio of 80/20 between Point Source Priority List (\$26,203,883 & \$375,430 of subsidy) and Non-Point Source Priority List (\$6,550,971 & \$93,857 of subsidy) projects. Note - an added amount of subsidy for Point Source Priority Listed projects resulted from an insufficient amount of listed disadvantaged Non-Point Source Priority Listed projects.

<sup>4</sup> Criteria for being eligible for a loan subsidy may be referenced on page 9 under the narrative section of the IUP.

<sup>5</sup> Funding for Green projects is based on meeting a minimal required amount of \$844,400 under the State's capitalization grant for the program.

<sup>6</sup> 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.

<sup>7</sup> Prior to funding any project shown to have a funding subsidy for Green, a Business Case for project Green eligibility must be found justified.

<sup>8</sup> 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 Planning List

Fiscal Year 2013

Rank	Score	Community Name/System Owner	Project Title	Assistance Amount	Interest Rate	Term (Years)	Disadvantage Community	Subsidy		Green Reserve	Estimated Binding Commitment	Sustainability Policy
								Subsidy for Disadvantage Community	Subsidy for Green Project	Project Type	Green Credit Amount	
16	400	Soldotna	Harbor Terrace Lane Sewer Mainline Installation	\$193,500	1.50%	20	Yes	N/A	N/A		7/15/2012	Fix it First
17	400	Wrangell	Sewer Pump Stations Replacement	\$196,928	1.50%	20	Yes	"	"		7/15/2012	Fix it First
18	390	Kodiak	Bio-Solid Handling and Disposal	\$4,500,000	1.50%	20	No	"	"		8/1/2012	Improve TFM
19	380	Craig	Replace Water Street Pump Station	\$404,000	1.50%	20	Yes	"	"	ENG-BC	8/1/2012	Fix it First
20	350	Mat-Su Borough	Talkeetna Water & Sewer Standby Generators	\$315,000	1.50%	20	Yes	"	"		7/18/2012	Improve TFM
21	190	Nome	Sewer Maintenance/Construction Equipment	\$855,000	1.50%	20	Yes	"	"		9/13/2012	Improve TFM
22	170	Juneau	CBJ Mendenhall WW Plant Facility Plan Update	\$190,000	1.50%	20	No	"	"		8/1/2012	Improve TFM
23	170	Juneau	CBJ Juneau Douglas WW Plant Facility Plan Update	\$100,000	1.50%	20	No	"	"		8/1/2012	Improve TFM
24	170	Homer	Bio-Solids Treatment Improvements	\$5,326,864	1.50%	20	Yes	"	"		9/15/2012	Improve TFM
25	160	Fairbanks	Wastewater Treatment Plant Clarifier Rehab	\$650,623	1.50%	20	No	"	"		8/1/2012	Improve TFM
26	155	Craig	Craig Wastewater Master Plan Update	\$235,000	1.50%	20	Yes	"	"	ENG-BC	8/1/2012	Improve TFM
27	80	Anchorage	Anchorage Landfill Leachate Discharge Force Main	\$3,140,000	1.50%	20	No	"	"		10/31/2012	Improve TFM

Total Requested Amount - Priority and Planning: **\$ 42,021,262**

\* 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.  
 " 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 List**

# ALASKA CLEAN WATER FUND Non-Point Source Funding Priority List

Fiscal Year 2013

Rank	Score	Community Name/System Owner	Project Title	Requested Project Amount	Available Assistance Amount	Interest Rate	Term (Years)	Disadvantage Community	Subsidy <sup>2</sup> for Disadvantage Community <sup>1</sup>	Subsidy for Green Project <sup>4</sup>	Green Reserve <sup>3</sup> Green Credit Amount	Estimated Binding Commitment
1	155	Cordova	Stormwater Contaminants Prevention	\$675,000	\$675,000	1.50%	20	Yes	\$60,750	\$10,125	\$675,000	1/1/2013
2	125	Kodiak Island Borough	Kodiak Landfill Lateral Expansion Phase III <sup>1</sup>	\$6,437,500	\$5,818,548	1.50%	20	No				7/1/2012

Total Requested Amount: \$ 7,112,500

Subsidized Amounts:

Total Available Amount: \$ 6,493,548

Total Subsidized Amount<sup>3</sup>:

Total Green: \$675,000

Total Point & Non-Point Source Green: \$5,517,500

# ALASKA CLEAN WATER FUND Non-Point Source Funding Planning List

Fiscal Year 2013

Rank	Score	Community Name/System Owner	Project Title	Requested Project Amount	Interest Rate	Term (Years)	Disadvantage Community	Subsidy for Disadvantage Community <sup>1</sup>	Subsidy <sup>2</sup> for Green Project	Green Reserve <sup>3</sup> Green Credit Amount	Estimated Binding Commitment
3	110	Cordova	Solid Waste Reduction & Water Quality Protection	\$785,000	1.50%	20	Yes	N/A	N/A	N/A	8/1/2012
4	85	Homer	Storm Water Master Plan	\$340,000	1.50%	20	Yes	"	"	"	7/15/2012
5	50	City of Dillingham	Municipal Landfill Energy Recovery System	\$500,000	1.50%	20	Yes	"	"	"	7/20/2012
6	50	City of King Cove	King Cove Landfill Expansion & Upgrade Phase (2)	\$275,000	1.50%	20	Yes	"	"	"	7/15/2012

Total Requested Amount - Priority and Planning: \$ 9,012,500

<sup>1</sup> Full funding of the Kodiak Island Borough (KIB) - Kodiak Landfill Lateral Expansion Phase III project for \$6,437,500 will be dependent upon remaining available loan funds. The Department will negotiate with KIB to provide additional funds as they become available later in the year.

<sup>2</sup> Criteria for being eligible for a loan subsidy may be referenced on page 9 under the narrative section of the IUP. Note - all subsidy is placed in Point Source Priority Listed projects since no Non-Point Source Priority Listed projects were eligible for a subsidy.

<sup>3</sup> Funding for Green projects is based on meeting a minimal required amount of \$844,400 under the State's capitalization grant for the program.

<sup>4</sup> 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.

## **APPENDIX IIa**

### **ALASKA CLEAN WATER FUND**

#### **Point Source Priority Criteria**



# **ALASKA CLEAN WATER FUND STATE REVOLVING FUND (SRF) PRIORITY CRITERIA FOR SFY13 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.*

<b><u>PUBLIC HEALTH CONSIDERATIONS (only one)</u></b>		<b>Assigned Points</b>
1.	A human disease event exists, documented by a recognized public health authority. Construction of this project will correct the problem.	350
2.	Current conditions are severe enough that a disease event can occur, but has not been reported. This project will resolve the problem.	300
3.	Conditions are not probable that a disease event will occur. This project will minimize potential future public health problems.	200
4.	This project has no significant health related issues	0
<b><u>WATER QUALITY CONSIDERATIONS (only one)</u></b>		
1.	This project will correct a documented pollution event in a:	
	303 d listed High Priority Water	250
	303 d listed Medium Priority Water	240
	303 d listed Low Priority Water	230
	Non-303 d listed Water	220
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 listed High Priority Water	230
	303 d listed Medium Priority Water	220
	303 d listed Low Priority Water	210
	Non-303 d listed Water	200
3.	This project will minimize the potential for future pollution events	100
4.	This project will minimal impact on future pollution events	0

**RECEIVING WATER USE (only one)**Assigned  
Points

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 contract recreation   | 2  |
| 2. | Marine waters/estuaries   |    |
|    | propagation of fish, shellfish, etc., as a food source                        | 5  |
|    | water contract 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 approved engineered plans and has a prepared or completed environmental review.                    | 40 |
| 3. | Engineering 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 (both possible)**

- |    |   |    |
|----|---|----|
| 1. | A viable repayment source has been identified.  | 10 |
| 2. | Financial instruments, ordinances, agreement, etc., are in place to assure repayment. | 10 |
| 3. | Not yet determined.   | 0  |

**SUSTAINABILITY PROJECTS (only one)****Assigned  
Points**

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

**AFFORDABILITY CRITERIA (only one)**

- |    |  |             |
|----|--|-------------|
| 1. | Loan cost to population benefiting ratio |             |
|    | Cost/population ratio                    | 0 - 400     |
|    | Cost/population ratio                    | 401 - 4,000 |
|    | Cost/population ratio                    | > 4,000     |

## **APPENDIX IIb**

### **ALASKA CLEAN WATER FUND**

#### **Non-Point Source Priority Criteria**





# ALASKA CLEAN WATER FUND STATE REVOLVING FUND (SRF) PRIORITY CRITERIA FOR SFY13 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.*

## **WATER QUALITY CONSIDERATIONS (only one)**

Assigned  
Points

### **PREVENTION**

This project's main emphasis is prevention of non-point source pollution in a:

303 d listed High Priority Water	100
303 d listed Medium Priority Water	90
303 d listed Low Priority Water	80
Non-303 d listed Water	60

### **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 listed High Priority Water	70
303 d listed Medium Priority Water	60
303 d listed Low Priority Water	50

### **STEWARDSHIP**

The proposed project will improve or maintain water quality in a:

303 d listed High Priority Water	50
303 d listed Medium Priority Water	40
303 d listed Low Priority Water	30
Non-303 d listed Water	20

<b><u>LOCAL INITIATIVE CONSIDERATIONS (only one)</u></b>	<b>Assigned Points</b>
A TMDL, a corrective plan, or a 319 grant application has been approved.	25
A draft TMDL or corrective action plan has been developed, or a draft 319 grant application has been prepared.	20
An environmental review has been performed for the proposed project.	15
A feasibility study that demonstrates the need and costs for the project has been completed.	10
A draft feasibility study has been completed or monitoring for the project has begun	5
A feasibility study is proposed, or no action has been taken	0
<b><u>FUNDING COORDINATION (both possible)</u></b>	
This project will utilize other federal or state funds.	10
This project will utilize local funds or local in-kind contributions.	5
Not yet determined	0
<b><u>ABILITY TO REPAY (both possible)</u></b>	
A viable repayment source has been identified.	10
Financial instruments, ordinances, agreement, etc., are in place to assure repayment.	10
Not yet determined	0
<b><u>NPS STRATEGY IDENTIFIED PRIORITIES (determined by ADEC)</u></b>	
Any storm water project.	40
Any petroleum contamination/restoration	30
Any community landfills	20
All other identified in NPSS	10

## **APPENDIX III**

### **ALASKA CLEAN WATER FUND**

#### **Scoring Distribution of ACWF Projects**

# Alaska Clean Water Fund

## Project Descriptions

### Fiscal Year 2013

Anchorage - Point Source Projects											
Project Name	Rank Number	NPDES or State Permit Number	Category Type	Project Scoring Criteria							
				Public Health	Water Quality	Receiving Water	Local Initiative	Funding	Repay	Afford.	Sustainability
<b>Girdwood Wastewater Treatment Facility Ph II</b>	4	AK-0021474	I	200	220	10	20	15	20	15	50
Project Description	Continuation of GWWTF Upgrade Phase II - This project will include various upgrades to the Girdwood Wastewater treatment Facility and the expansion of the Girdwood Wastewater Treatment Facility.										
<b>Asplund Disinfection Study &amp; Upgrade</b>	5	AK-0021431	I	200	200	5	30	15	20	15	50
Project Description	Increase to existing loan - The existing disinfection system utilizes gaseous chlorine fed from 2000 pound cylinders through 2 chlorinators with a minimum and maximum feed rate of 500 pounds per day and 16,000 pounds per day respectively. The focus of this project will be to design and construct a disinfection system upgrade. The outcome of this phased project will be an updated system.										
<b>West 71st Avenue Sewer Rehab</b>	6	AK-0021431	III(b)	300	100	10	20	15	20	15	50
Project Description	This project will upgrade approximately 860 feet of 8-inch AC pipe that has reoccurring maintenance issues associated with clogs/backups. The pipe appears to have settled overtime and now has less than minimum required slope. This pipe is on a 6-month accelerated cleaning schedule and with the frequency of cleaning, the asbestos cement has degraded.										
<b>Anchorage Landfill Leachate Control Vault Upgrades</b>	13	AK-0021431	VII-J	200	100	10	0	15	20	15	50
Project Description	This project will design and construct new leachate split flow vault at the Anchorage Landfill. Vault provides control of flows between leachate treatment lagoons and allows measurement of total flow from the landfill.										
<b>Anchorage Landfill Leachate Discharge Force Main</b>	23	AK-0021431	VII-J	0	0	5	0	15	20	15	25
Project Description	This project will design and construct new force main which will convey leachate from the landfill collection ponds to the sanitary sewer on JBBER; eliminating the need to truck leachate to the Turpin Street dump station for discharge.										

## Bristol Bay Borough - Point Source Projects

Project Name	Rank Number	NPDES or State Permit Number	Category Type	Project Scoring Criteria								TOTAL
				Public Health	Water Quality	Receiving Water	Local Initiative	Funding	Repay	Afford.	Sustainability	
Sewage Line Relocation of the Beach	1	AK-G570021	III(b)	300	220	10	0	15	10	10	50	615

**Project Description** This project would design and construct the relocation of a 4,750 foot sewerage line off the beach that is eroding.

## Cordova - Non-Point Source Projects

Project Name	Rank Number	NPDES or State Permit Number	Category Type	Project Scoring Criteria					TOTAL
				Water Quality	Local Initiative	Funding	Repay	NPS Strategy	
Stormwater Contaminants Prevention	1	NPS	VII(d)	100	10	5	0	40	155

**Project Description** This project is for procurement of equipment (PM-10 compliant street sweeper and high-efficiency truck mounted vacuum) to service streets and catchments in a manner that continues the City's efforts to minimize human impact on the surrounding bodies of water.

**How this project implements Alaska's Nonpoint Source Strategy:** Alaska's Strategy identifies support for local watershed protection efforts as an objective (page 29). This project addresses components of local watershed protection including control of stormwater runoff, and restoration of a sediment impaired creek (page 83).

Project Name	Rank Number	NPDES or State Permit Number	Category Type	Project Scoring Criteria					TOTAL
				Water Quality	Local Initiative	Funding	Repay	NPS Strategy	
Solid Waste Reduction & Water Quality Protection	3	NPS	VII(j)	60	5	15	10	20	110

**Project Description** This project is for site work, equipment, and construction to provide the City of Cordova with a revised solid waste handling plan that incorporates confirmed recycling opportunities, re-use of construction and demolition debris, and wood waste-to-heat conversion. The open-burn disposal site will be close out removing the problem of unauthorized dumping, dangerous disposal by fire, and leachate runoff into Prince William Sound.

**How this project implements Alaska's Nonpoint Source Strategy:** Alaska's Strategy identifies support for local watershed protection efforts as an objective (page 29). This project addresses components of local watershed protection including control of stormwater runoff, and restoration of a sediment impaired creek (page 83).



## Craig - Point Source Projects

Project Name		Rank Number	NPDES or State Permit Number	Category Type	Project Scoring Criteria							TOTAL	
					Public Health	Water Quality	Receiving Water	Local Initiative	Funding	Repay	Afford.		Sustainability
Replace Water Street Pump Station		18	DB0096-1016	III(b)	200	100	5	0	0	10	15	50	380
Project Description	This project will replace the Water Street pump station which is obsolete and approaching the end of its useful life, and required increasing maintenance work.												

Project Name	Rank Number	NPDES or State Permit Number	Category Type	Project Scoring Criteria							TOTAL	
				Public Health	Water Quality	Receiving Water	Local Initiative	Funding	Repay	Afford.		Sustainability
Wastewater Master Plan Update	23	DB0096-1016	III(b)	0	100	5	0	0	10	15	25	155

**Project Description** This project will update the Craig Wastewater Master Plan. The 1994 document is overdue for an update. This project would update the master plan document to identify deficiencies in the system after the collection system's gravity mains are cleaned and scoped to identify problem areas. A capital projects lists would follow from the inspection work and incorporated into the revised planning document. Project costs include purchase of a Vac truck for project and future system cleaning, camera viewing of gravity system, and planning document research and writing.

## Dillingham - Point Source Projects

Project Name	Rank Number	NPDES or State Permit Number	Category Type	Project Scoring Criteria							TOTAL	
				Public Health	Water Quality	Receiving Water	Local Initiative	Funding	Repay	Afford.		Sustainability
Wastewater Treatment Plant Upgrades	2	AKG-570018	I	300	220	5	20	0	10	10	50	615

**Project Description** The project is to improve the influent debris removal, sludge removal, and wastewater temperature; add high efficiency aeration blowers and improvements for lagoon heat retention, including a cover for the lagoon, add a secondary sludge removal system, denitrification process, disinfection system, SCADA controls, and harness energy generated during the process for use in the facility.

Project Name	Rank Number	NPDES or State Permit Number	Category Type	Project Scoring Criteria							TOTAL	
				Public Health	Water Quality	Receiving Water	Local Initiative	Funding	Repay	Afford.		Sustainability
Wastewater Collection System Upgrades	3	AKG-570018	III(b)	300	220	5	20	0	10	10	50	615

**Project Description** This project will provide essential upgrades in the City of Dillingham's entire sewerage receiving system and extend the harbor wastewater collection system. The project is to support the water treatment plant upgrades for water quality issues, and the large influx of population during the summer months. The project will be designed and constructed to provide energy efficient operations and equipment, including replacement of seven lift stations, SCADA controls, sewage receiving station, pumps, piping, electrical, and other items to address the system operation upgrades.

## Dillingham - Non-Point Source Projects

Project Name	Rank Number	NPDES or State Permit Number	Category Type	Project Scoring Criteria					TOTAL
				Water Quality	Local Initiative	Funding	Repay	NPS Strategy	
<b>Municipal Landfill Energy Recovery System</b>	4	NPS	VII(j)	20	10	0	0	20	50
<b>Project Description</b>	The City of Dillingham seeks assistance in purchasing green technology equipment, designing, and constructing a biomass energy recovery facility for the municipal landfill. Dillingham's population and businesses generate enough useable biomass to provide power and heat to operate the facility while providing additional power to the local grid. The municipal burn box has reached the end of its useful life, and is out of compliance with state regulations. The City would like to replace this system with a biomass energy recovery system, taking advantage of Waste-to-Energy (WtE) grant, and using Combined Heat and Power (CHP) systems. The new facility would house the WtE system and provide a place for handling and storage of recycled material. It would be heated and powered by the WtE system. The reduction in solid waste using WtE technology will significantly reduce many costs associated with the City's solid waste disposal.								

*How this project implements Alaska's Nonpoint Source Strategy: Alaska's Strategy identifies support for local watershed protection efforts as an objective (page 29). This project addresses components of local watershed protection including control of stormwater runoff, and restoration of a sediment impaired creek (page 83).*

## Fairbanks - Point Source Projects

Project Name		Rank Number	NPDES or State Permit Number	Category Type	Project Scoring Criteria								
					Public Health	Water Quality	Receiving Water	Local Initiative	Funding	Repay	Afford.	Sustainability	TOTAL
Wastewater Treatment Plant Clarifier Rehab		25	AK-0021451	I	0	100	10	0	0	10	15	25	160
Project Description	This project will rehabilitate 8 clarifiers at the wastewater treatment plant. The final clarifiers are only operating at approximately 50% capacity because of mixed liquor retention time is minimized by short-circuiting flows while moving through the clarifier. The project will enhance performance of the clarifiers and prevent permit discharge violations.												

## Homer - Point Source Projects

Project Name		Rank Number	NPDES or State Permit Number	Category Type	Project Scoring Criteria								
					Public Health	Water Quality	Receiving Water	Local Initiative	Funding	Repay	Afford.	Sustainability	TOTAL
Bio-Solids Treatment Improvements		24	AK-021245	I	0	100	5	20	0	10	10	25	170
Project Description	This project will expand the current sewer treatment plant building to accommodate new mechanical sludge dewatering equipment, providing adequate capacity to treat and dispose of bio-solids. The existing sludge treatment lagoon will be transformed into a flow equalization basin to allow peak wastewater flows to be stored and released to the plant during low flow periods (elimination AKDPES violations). An anaerobic digester would be installed to abandon an existing sludge lagoon and create a new wastewater stabilization basin.												



## Homer - Non-Point Source Projects

Project Name	Rank Number	NPDES or State Permit Number	Category Type	Project Scoring Criteria					TOTAL
				Water Quality	Local Initiative	Funding	Repay	NPS Strategy	
<b>City of Homer Storm Water Master Plan</b>	3	NPS	VII(d)	20	0	5	20	40	85
<b>Project Description</b>	This project will update the City of Homer's Storm Water Master Plan which was prepared in the 1980's. The existing drainage system is expanding and a more comprehensive storm water plan is needed to more effectively plan and construct storm water infrastructure, including sedimentation/detention facilities, snow storage and water quality improvements. This master plan would mitigate storm water runoff through the use of a wide variety of gray and green infrastructure practices and technologies that improve the quality and reduce the quantity of runoff discharging directly to receiving waters; develop public education programs targeting specific storm water causing receiving stream degradation; provide storm water management systems and practices, including collection, storage, conveyance and treatment structures that are components of a comprehensive plan to preserve or restore natural/ stable in-stream hydrology; and identify projects that incorporate green infrastructure to manage, treat or reduce storm water discharges and urban non-point source runoff to the critical wildlife habitat of Kachemak Bay.								

*How this project implements Alaska's Nonpoint Source Strategy: Alaska's Strategy identifies support for local watershed protection efforts as an objective (page 29). This project addresses components of local watershed protection including control of stormwater runoff, and restoration of a sediment impaired creek (page 83).*

## Juneau - Point Source Projects

Project Name		Rank Number	NPDES or State Permit Number	Category Type	Project Scoring Criteria							TOTAL	
					Public Health	Water Quality	Receiving Water	Local Initiative	Funding	Repay	Afford.		Sustainability
CBJ Lawson Ck. Lift Station Reconstruction		8	AK-0022951	III(b)	200	200	5	30	15	10	15	50	525
Project Description	This project will include replacement of an existing undersized wet well, corroded steel utility vault, electrical system, site improvements, replacement of a segment of existing pressure main, and related work. The rehabilitated facility will utilize submersible chopper pumps to reduce confined space entries and maintenance associated with removing synthetic wipes.												

Project Name		Rank Number	NPDES or State Permit Number	Category Type	Project Scoring Criteria							TOTAL	
					Public Health	Water Quality	Receiving Water	Local Initiative	Funding	Repay	Afford.		Sustainability
CBJ Mendenhall WW Plant Facility Plan Update		21	AK-0022951	I	0	100	10	0	15	10	15	25	175
Project Description	This project will fund the Facility Plan Update for the Mendenhall WWTP. Components of the Update are expected to address improvement of fats, oil, and grease interception at the plant's headworks, improved oxygenation delivery and associated energy reduction in its sequential batch reactor basins, biosolids processing/ truck loading system, possible modifications to its outfall structure, control upgrades and other plant components aimed at prolonging the useful life, improving environmental compliance, and reducing operating costs for the facility.												



## Juneau - Point Source Projects (Cont'd)

Project Name	Rank Number	NPDES or State Permit Number	Category Type	Project Scoring Criteria							TOTAL	
				Public Health	Water Quality	Receiving Water	Local Initiative	Funding	Repay	Afford.		Sustainability
CBJ Juneau Douglas WW Plant Facility Plan Update	22	AK-0022951	I	0	100	5	0	15	10	15	25	170

**Project Description** This project will fund the Facility Plan Update for the Juneau Douglas WWTP. The plant was inspected by ADEC in 2011 who indicated the facility shows evidence of excessive deferred maintenance/replacement and is in need of significant reconstruction/rehabilitation. Components of the Facility Plan Update are expected to address improvement needs to the plant's headworks, aeration and digester basins, biosolids processing/ truck loading system and other plant components.

## King Cove - Point Source Projects

Project Name	Rank Number	NPDES or State Permit Number	Category Type	Project Scoring Criteria							TOTAL	
				Public Health	Water Quality	Receiving Water	Local Initiative	Funding	Repay	Afford.		Sustainability
Downtown Wastewater System Upgrade	10	AK-0044334	III(b)	200	220	5	0	0	10	15	50	500

**Project Description** This project would address a major safety issue with the system and a number system components that need to be replaced and/or upgraded.

## King Cove - Non-Point Source Projects

Project Name	Rank Number	NPDES or State Permit Number	Category Type	Project Scoring Criteria					
				Water Quality	Local Initiative	Funding	Repay	NPS Strategy	TOTAL
Landfill Expansion and Upgrade Phase 2	5	NPS	VII(j)	20	10	0	0	20	50

**Project Description** This project will purchase an incinerator for the Community's municipal landfill. This incinerator will extend the life of the current landfill by a minimum of 10-15 years, thus avoiding a multi-million dollar project to develop a new landfill in a community which has a very limited land base due to topographic constraints. This loan will only cover funding for those components of the project that are essential for water quality enhancement.

**How this project implements Alaska's Nonpoint Source Strategy:** Alaska's Strategy identifies support for local watershed protection efforts as an objective (page 29). This project addresses components of local watershed protection including control of stormwater runoff, and restoration of a sediment impaired creek (page 83).

## Kodiak - Point Source Projects

Project Name		Rank Number	NPDES or State Permit Number	Category Type	Project Scoring Criteria								
					Public Health	Water Quality	Receiving Water	Local Initiative	Funding	Repay	Afford.	Sustainability	TOTAL
Bio-Solid Handling and Disposal		17	AK-0021555	I	200	100	10	20	15	10	10	25	390
Project Description	This project will address the start up of a composting project to eliminate the dumping of bio-solids in the Kodiak Island Borough landfill which is currently running out of space. A pilot study has already been done to show that composting will work to remove the bio-solids. The City has entered into a MOU with a local company that is working to begin the composting. If this project comes together the City would be able to dispose of the bio-solids without having to build a composting facility. In the event that the composting project does not come together in time the City will need to build a disposal facility.												

## Kodiak Island Borough - Non-Point Source Projects

Project Name	Rank Number	NPDES or State Permit Number	Category Type	Project Scoring Criteria					TOTAL
				Water Quality	Local Initiative	Funding	Repay	NPS Strategy	
<b>Kodiak Landfill Lateral Expansion Phase III</b>	2	NPS	VII(j)	60	15	10	20	20	125
<b>Project Description</b>	This project is Phase III of the lateral expansion of the Kodiak Landfill. This phase will construct a Water Treatment Plant for treatment of leachate.								

*How this project implements Alaska's Nonpoint Source Strategy: Alaska's Strategy identifies support for local watershed protection efforts as an objective (page 29). This project addresses components of local watershed protection including control of stormwater runoff, and restoration of a sediment impaired creek (page 83).*

## Matanuska-Susitna Borough - Point Source Projects

Project Name		Rank Number	NPDES or State Permit Number	Category Type	Project Scoring Criteria							TOTAL	
					Public Health	Water Quality	Receiving Water	Local Initiative	Funding	Repay	Afford.		Sustainability
Talkeetna Water and Sewer Standby Generators		19	?	III(b)	200	100	10	0	0	0	15	25	350
Project Description	This project will provide new automatic transfer switches for two existing trailer mounted generators and installation at two sewer lift stations. Also this project will provide to new generators and automatic transfer switches for the third lift station and for the Utility Warm Storage/Office Facility.												

## Nome (NJUS) - Point Source Projects

Project Name		Rank Number	NPDES or State Permit Number	Category Type	Project Scoring Criteria							TOTAL	
					Public Health	Water Quality	Receiving Water	Local Initiative	Funding	Repay	Afford.		Sustainability
Sewer Maintenance/Construction Equipment		20	2007-DB-0003	III(b)	0	100	5	20	15	10	15	25	190
Project Description	This project will replace the aging equipment fleet which need current repair and cause delays in construction activities and response time to emergencies.												



## North Pole - Point Source Projects

Project Name		Rank Number	NPDES or State Permit Number	Category Type	Project Scoring Criteria							TOTAL	
					Public Health	Water Quality	Receiving Water	Local Initiative	Funding	Repay	Afford.	Sustainability	
Utility Emergency Response Generators		11	AK-0021393	III(b)	200	200	10	20	15	10	15	25	495
Project Description	This project would replace the existing emergency diesel generator that is inadequate to meet the project power demands of the rehabilitated WWTP. The tow-behind emergency diesel generator used to power lift stations during power outages will also be replaced and purchase an additional tow-behind generator.												

## Petersburg - Point Source Projects

Project Name		Rank Number	NPDES or State Permit Number	Category Type	Project Scoring Criteria							TOTAL	
					Public Health	Water Quality	Receiving Water	Local Initiative	Funding	Repay	Afford.	Sustainability	
Pumpstation 1 Force Main		13	AK-0021458	III(b)	200	200	5	0	0	10	15	25	455
Project Description	This project will fund the design and permitting of the abandonment of the original Pumpstation 1 ductile iron force man which was routed across tidelands in the 1970's. A new force main will be installed on uplands within the South Nordic Drive ROW and will require upgrades to Pumpstation 1 and its pumping system.												

## Seward - Point Source Projects

Project Name		Rank Number	NPDES or State Permit Number	Category Type	Project Scoring Criteria							TOTAL	
					Public Health	Water Quality	Receiving Water	Local Initiative	Funding	Repay	Afford.		Sustainability
Lowell Point and SMIC Lagoons Sludge Removal		12	AK-0021890	I	200	200	5	20	15	10	15	25	490
Project Description	This project will remove and dispose of 4,700 tons of dewatered sludge from the Lowell Point aerated lagoon, the City's main wastewater treatment plant. This project will also remove 630 tons of dewatered sludge main from SMIC aerated lagoon, the treatment facility on the other side of Resurrection Bay from the City that serves the State prison, boatyard, seafood plant, and other customers. The diffusers will be inspected and serviced at both lagoons. It will also provide temporary sewage treatment to operated un DEC's partial waiver from requirements of secondary treatment during sludge removal.												

## Sitka - Point Source Projects

Project Name	Rank Number	NPDES or State Permit Number	Category Type	Project Scoring Criteria								
				Public Health	Water Quality	Receiving Water	Local Initiative	Funding	Repay	Afford.	Sustainability	TOTAL
Hollywood Way and New Archangel St. Sewer Improvements	9	AK-0021474	III(b)	300	100	10	0	15	10	15	50	500

This project consists of replacing 30 year old ductile iron sewer main on Hollywood Way between DeGross Street and the end of the main. The discharge manhole in DeGross will be replaced along with 20 feet of sewer main in either direction. The project also includes the replacement of services within the ROW and provide ADEC required separation distances between water and sewer systems. The project must be performed in conjunction with the ADWF Hollywood Way project to be affordable. Additionally, this project includes replacement of asbestos cement sewer main on New Archangel Street.

## Soldotna - Point Source Projects

Project Name	Rank Number	NPDES or State Permit Number	Category Type	Project Scoring Criteria								
				Public Health	Water Quality	Receiving Water	Local Initiative	Funding	Repay	Afford.	Sustainability	TOTAL
Harbor Terrace Lane Sewer Mainline Installation	16	AK-0020036	IV(a)	200	100	10	0	15	10	15	50	400

This project would extend the sewer mainline from the Funny River Road/Harbor Terrace Lane intersection to the cul-de-sac at its northerly end, a distance of approximately 1030 feet. Half the properties along this street are Kenai River lots. The main intent of this project is to eliminate on-site septic systems on properties directly adjacent to the Kenai River.

## Valdez - Point Source Projects

Project Name	Rank Number	NPDES or State Permit Number	Category Type	Project Scoring Criteria								TOTAL
				Public Health	Water Quality	Receiving Water	Local Initiative	Funding	Repay	Afford.	Sustainability	
WWTP Outfall Line	7	AK-0021431	I	200	200	10	30	15	10	15	50	530

This project will construct a piped outfall line for the City's WWTP to the ocean, allowing the city to comply with NPDES/APDES permit requirements by eliminating discharge to the unnamed anadromous stream.

## Wrangell - Point Source Projects

Project Name	Rank Number	NPDES or State Permit Number	Category Type	Project Scoring Criteria							TOTAL	
				Public Health	Water Quality	Receiving Water	Local Initiative	Funding	Repay	Afford.		Sustainability
Sewer Pump Stations Replacement	15	AK-0021466	III(b)	200	100	5	20	0	10	15	50	400

This project will rehabilitate and replace two critical pump stations that serve at least 80% of the sewer service in Wrangell. Both Node 4 and Node 6 pumpstations need replacement pumps, electrical upgrades, new check and plug valves, new discharge piping and exhaust fans. The pumps should be upgraded in order to handle the increased flow and eliminate recurring problems.

# **APPENDIX IV**

## **ALASKA CLEAN WATER FUND**

### **Public Comments**

During the 30 day April 3<sup>rd</sup> – May 2<sup>nd</sup>, 2012 public comment period, only EPA provided comments on the draft intended use plan; their comments are summarized as follows:

- On page 7 and 9 of the IUP narrative, EPA offered a recommendation that the State should consider adding in language which would give the State more flexibility on offering alternative loan subsidy options in the event that the initial subsidy allocation to projects does not utilize all minimal subsidy requirements under the FFY12 capitalization grant.

In response, DEC has added new language on page 7 under “Bypass of Projects” which now notes bypassed projects will potentially lose their subsidy, and on page 9 under “Additional Subsidization - ...” language was added that the Department reserves the right to alter subsidized amounts prior to the expiration of the IUP.

- On page 10 of the narrative IUP narrative, EPA asked that under the “Davis-Bacon,” section, the reference that says Davis-Bacon is not required under non-point source projects be removed.

In response, DEC concurred and has updated the narrative under this section as requested.

- All remaining EPA comments were in regards to nonpoint source type projects. EPA’s concerns were that they need to be defined within the Alaska Nonpoint Strategy, and it must be clear that only water quality related components of these projects are eligible under the clean water loan program.

In response, DEC assured listed IUP nonpoint source projects are defined within the Alaska Nonpoint Strategy, and where necessary DEC made clarification within the project description that work only covers water quality related components of the project.

# **APPENDIX Va**

## **ALASKA CLEAN WATER FUND**

### **Estimated Disbursement Schedule for Point Source Projects**

**ALASKA CLEAN WATER FUND**  
**Estimated Disbursement Schedule**  
**FFY12 Capitalization Grant Funded & Other Program Funded Projects**

Entity	Project/Set-Aside	Amount	FFY11 4th Qtr.	FFY12 1st Qtr.	FFY12 2nd Qtr.	FFY12 3rd Qtr.	FFY12 4th Qtr.	FFY13 1st Qtr.	FFY13 2nd Qtr.	FFY13 3rd Qtr.
ADEC	Administrative Costs	\$337,760	\$ 33,776	\$ 50,664	\$ 67,552	\$ 16,888	\$ 33,776	\$ 50,664	\$ 67,552	\$ 844
Anchorage	Girdwood Wastewater Treatment Facility, Ph. II	\$3,000,000	300,000	450,000	600,000	150,000	300,000	450,000	600,000	150,000
Anchorage	Asplund Disinfection Study & Upgrade	\$2,000,000	200,000	300,000	400,000	100,000	200,000	300,000	400,000	100,000
Anchorage	West 71st Avenue Sewer Rehab	\$800,000	80,000	120,000	160,000	40,000	80,000	120,000	160,000	40,000
Anchorage	Landfill Leachate Control Vault Upgrades	\$1,700,000	170,000	255,000	340,000	85,000	170,000	255,000	340,000	85,000
Anchorage	Landfill Leachate Discharge Force Main	\$3,140,000	314,000	471,000	628,000	157,000	314,000	471,000	628,000	157,000
Bristol Bay Borough	Sewage Line Relocation of the Beach	\$2,670,000	267,000	400,500	534,000	133,500	267,000	400,500	534,000	133,500
Craig	Replace Water Street Pump Station	\$404,000	40,400	60,600	80,800	20,200	40,400	60,600	80,800	20,200
Craig	Wastewater Master Plan Update	\$235,000	23,500	35,250	47,000	11,750	23,500	35,250	47,000	11,750
Dillingham	Wastewater Treatment	\$2,000,000	200,000	300,000	400,000	100,000	200,000	300,000	400,000	100,000
Dillingham	Wastewater Collection System Upgrades	\$2,000,000	200,000	300,000	400,000	100,000	200,000	300,000	400,000	100,000
Fairbanks	Wastewater Treatment Plant Clarifier Rehab	\$650,623	65,062	97,593	130,125	32,531	65,062	97,593	130,125	32,531
Homer	Bio-Solids Treatment Improvements	\$5,326,864	532,686	799,030	1,065,373	266,343	532,686	799,030	1,065,373	266,343
Juneau	CBJ Lawson Creek Lift Station Reconstruct	\$675,000	67,500	101,250	135,000	33,750	67,500	101,250	135,000	33,750
Juneau	Mendenhall WW Plant Facility Plan Upgrade	\$190,000	19,000	28,500	38,000	9,500	19,000	28,500	38,000	9,500
Juneau	Juneau/Douglas WW Plant Facility Plan Upgrade	\$100,000	10,000	15,000	20,000	5,000	10,000	15,000	20,000	5,000
King Cove	Downtown Wastewater System Upgrade	\$100,000	10,000	15,000	20,000	5,000	10,000	15,000	20,000	5,000
Kodiak	Bio-Solid Handling and Disposal	\$4,500,000	450,000	675,000	900,000	225,000	450,000	675,000	900,000	225,000
Mat-Su Borough	Talkeetna Sewer/Water Standby Generators	\$315,000	31,500	47,250	63,000	15,750	31,500	47,250	63,000	15,750
Nome	Sewer Maintenance/Construction Equipment	\$855,000	85,500	128,250	171,000	42,750	85,500	128,250	171,000	42,750
North Pole	Utility Emergency Response Generators	\$302,500	30,250	45,375	60,500	15,125	30,250	45,375	60,500	15,125
Petersburg	Pumpstation 1 Force main	\$270,000	27,000	40,500	54,000	13,500	27,000	40,500	54,000	13,500
Seward	Lowell Point and SMIC Lagoons Sludge Removal	\$211,970	21,197	31,796	42,394	10,599	21,197	31,796	42,394	10,599
Sitka	Hollywood Way & New Archangel Street Sewer	\$500,000	50,000	75,000	100,000	25,000	50,000	75,000	100,000	25,000
Soldotna	Harbor Terrace lane Sewer Mainline Install	\$193,500	19,350	29,025	38,700	9,675	19,350	29,025	38,700	9,675
Unalaska	Wastewater Treatment Plant Upgrade	\$8,566,600	856,660	1,284,990	1,713,320	428,330	856,660	1,284,990	1,713,320	428,330
Valdez	Wastewater Treatment Plant Outfall Line	\$1,230,675	123,068	184,601	246,135	61,534	123,068	184,601	246,135	61,534
Wrangell	Sewer Pump Stations Replacement	\$493,589	49,359	74,038	98,718	24,679	49,359	74,038	98,718	24,679



## **APPENDIX Vb**

### **ALASKA CLEAN WATER FUND**

#### **Estimated Disbursement Schedule for Non-Point Source Projects**

**ALASKA CLEAN WATER FUND**  
**Estimated Disbursement Schedule for NonPoint Projects**  
**FFY12 Capitalization Grant Funded & Other Program Funded Projects**

Entity	Project/Set-Aside	Amount	FFY11 4th Qtr.	FFY12 1st Qtr.	FFY12 2nd Qtr.	FFY12 3rd Qtr.	FFY12 4th Qtr.	FFY13 1st Qtr.	FFY13 2nd Qtr.	FFY13 3rd Qtr.
Cordova	Stormwater Contaminants Prevention	\$675,000	67,500	101,250	135,000	33,750	67,500	101,250	135,000	33,750
Cordova	Solid Waste Reduction & Water Quality Protection	\$785,000	78,500	117,750	157,000	39,250	78,500	117,750	157,000	39,250
Dillingham	Municipal Landfill Energy Recovery System	\$500,000	50,000	75,000	100,000	25,000	50,000	75,000	100,000	25,000
Homer	Storm Water Master Plan	\$340,000	34,000	51,000	68,000	17,000	34,000	51,000	68,000	17,000
King Cove	Landfill Expansion and Upgrade, Ph. II	\$137,500	13,750	20,625	27,500	6,875	13,750	20,625	27,500	6,875
Kodiak Island Borough	Landfill Lateral Expansion, Ph. III	\$3,197,536	319,754	479,630	639,507	159,877	319,754	479,630	639,507	159,877

## **APPENDIX VI**

### **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