ALASKA CLEAN WATER FUND

STATE WASTEWATER LOAN PROGRAM

INTENDED USE PLAN
FINAL

FFY10 Grant Allotment

State Fiscal Year 2011

Submitted to the U.S. Environmental Protection Agency
By
Alaska Department of Environmental Conservation
Division of Water
June 2010

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State Wastewater Loan Program

Intended Use Plan

FINAL – June, 2010

INTRODUCTION

New to this year's IUP is the inclusion of a Green Project Reserve (GPR) and funding subsidy component under the program. These new components which are similar to last year's ARRA (American Recovery & Reinvestment Act of 2009) GPR and funding subsidy are now included as a provisional requirement under the program's annual federal capitalization grant. Further discussion of GPR requirements and funding subsidy can be referenced under Sections "Additional Subsidization – Disadvantage Community/System Assistance" and "Green Infrastructure", page 9.

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 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.

Short Term

1. Provide low interest loans of $42 million dollars to communities for eligible wastewater treatment or nonpoint source pollution projects.
2. Provide not less than 20% 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 30% 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 FFY10 Title VI allocation.
5. Seek EPA's acceptance on meeting Title II equivalency compliance requirements on all projects. However, all nonpoint source (319) projects in this IUP will be non-equivalent in meeting Title II requirements and only be required to meet minimal cross-cutter requirements.
6. Continue to develop a web based access system for handling project questionnaires and applications, and incorporate a new financial and project management software package system for better program administration.
7. 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.

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 April 15, 2010)

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 $163,671,962.
- The federal grant request to EPA this year will be for $12,194,000 matched by state funds of $2,438,800.
- State appropriations of $19,807,300 and bond receipts of $12,787,052 were secured earlier.
- Other significant funding sources include investment interest earnings of $38,365,887, principal repayments on loans of $104,461,565 and interest repayments of $22,900,260.
- Investment earnings and principal and interest payments of $14,275,353 are expected to be paid into the Fund during SFY11.
- The total amount of loan commitments made to date is $297,595,722. This amount accounts for both increases and deobligated funds from projects that have completed construction.
- 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 $7,034,638 to pay for the costs of administering the program.
- Previous bonding and transactions costs totaling $12,841,537 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 $2,443,800.

A total of $42 million dollars will be available upon award of the FFY 2010 grant. The $36 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).

ALASKA CLEAN WATER FUND

Funding Source		
Federal Grants		$163,671,962
FFY10 Federal Allocation		$12,194,000
FFY10 State Match Appropriation Bond Receipts		$2,438,800
State Match - General Funds		$19,807,300
State Match - Bond Proceeds		$12,787,052*
Investment Interest		$38,365,887
Repayment		
Loan Principal	$104,461,565	
Loan Interest (net of fees)	$22,900,260	$127,361,825
Projected 2010 Repayments and Investment Earnings		$14,275,353
Funds Available		**$390,902,179**
Program Commitments:		
Loan Commitments		$297,595,722
Transfer from ACWF to ADWF		$29,000,000
Administrative Set-Aside		$7,034,638
Previous Bonding and Transaction Costs		$12,841,537
Bonding and Transaction Costs to Be Paid		$2,443,800
Total Program Commitments		**$348,915,697**
Net Amount Available for Loans		**$41,986,482**

*Pending Completion of Bond Transaction

Selection of Projects

1. Identification of Priority Projects

A mailing was done December 30, 2009 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

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.

This year approximately $8,397,296 is earmarked for projects that address nonpoint source water pollution. We received 6 proposals for nonpoint source projects totaling $20,667,500. Subtracting the amount allocated to nonpoint source projects from the total available amount of $41,986,482 leaves $33,589,186 to fund point source projects. Funding down the Point Source priority list to the Petersburg - Pumpstation 5 Upgrade project will require $34,108,412 which exceeds the available amount by $519,226. 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, will be made available to all eligible recipients and other interested parties. The IUP will be placed on the State of Alaska, Division of Water website. A thirty-day public comment period will follow with a notice published in a newspaper of statewide circulation. The notice will announce the availability of the ACWF priority list, criteria system and priority list funding procedures. Comments will be solicited during this public notice period. 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 IVa and IVb contain estimated dates for binding loan commitments, construction starts and the initiation of operation for projects anticipated to be funded by this IUP and associated loan amounts.

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 for binding commitments, beginning construction and initiating operations contained in Appendices IVa and IVb.

4. Federal Payments

Alaska's proposed payment schedule for the FFY 10 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 FFY 10 Grant

FFY 10 4th Quarter	FFY 11 1st Quarter	FFY 11 2nd Quarter	FFY 11 3rd Quarter
$3,048,500	$4,267,900	$3,048,500	$1,829,100

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. If a loan application is not submitted for a project on the fundable portion of the list within four (4) months after 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.

New for 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 on 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 Alaska ACWF loan program compliance with that requirement. This calculation is accurate as of March 31, 2010:

FUNDS AVAILABLE AS OF JUNE 30, 2009:

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
159,658,162	31,791,592	92,596,548	21,574,647	34,870,356	(29,000,000)	(6,546,878)	(13,303,837)	266,263,358
TOTAL BINDING COMMITMENTS AS OF APRIL 15, 2010:								303,595,722
BINDING COMMITMENTS AS A PERCENTAGE OF FUNDS AVAILABLE FROM 2009:								114%

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

The Department will provide data or information to EPA as may be 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. A summary of all "one-pager" will be presented in the ACWF annual report.

7. Additional Subsidization – Disadvantage Community Assistance

Under the FFY10 federal capitalization grant, at least 30% of the applicable portion of the grant must be offered in the form of additional subsidies. The Department has chosen to offer a total amount of $1,826,274 as principal forgiveness in an amount up to 15% of the value of a loan made by the State's CWSRF Program. However, only a $1.0 million cumulative maximum subsidy amount per community is allowed for all projects in receipt of funding to the community.

For project eligibility, the Department has chosen to give loan subsidies as disadvantaged community assistance. 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 it's:

- 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.

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 30% 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 30% of the grant will be provided via principal forgiveness.

8. Green Infrastructure

Under the total FFY 10 capitalization grant amount awarded to the State, and to the extent there are sufficient eligible project applications, not less than 20% ($2,438,800) 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, four (4) projects listed on the Project Priority lists have been identified as being a Green project based on USEPA current guidance. The cumulative amount of these projects is $5,492,774, which exceeds the 20% minimal required amount by $2,843,200. 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 $2,438,800.

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 11, ADEC is requesting $487,760 to be used in administering the program. This request will bring the total administrative funds requested to $5,697,130. As the table below shows, ADEC has not yet requested the allowable amount of $7,034,638 for administering the program. A total of $1,337,508 is being reserved for future administrative costs.

Calculation of Administrative Reserves

FFY 10 Grant

Federal grants prior to FFY 10		$163,671,962
FFY 10 Capitalization Grant		12,194,000
	Total federal grant requested	$175,865,962
Allowable administrative funds (4% of $175,865,962)		$7,034,638
Administrative funds used prior to SFY 11		$5,209,370
SFY 11 administrative amount requested		$487,760
	Total administrative funds requested	$5,697,130
Allowable administrative funds		$7,034,638
- Total Administrative funds requested		$5,697,130
	Amount to be reserved	$1,337,508

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 February, 2010, the program has collected $3,891,790*.

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.

*subject to reconciliation

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 $2,438,800 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

ALASKA CLEAN WATER FUND

Point Source Funding Priority & Planning List

ALASKA CLEAN WATER FUND
Point Source Funding Priority List

Fiscal Year 2011

System Owner	Project Title	Project Number	Score	Amount Requested	Cumulative Amount Requested	Total Funding Available Amount [5]	Total Subsidy Available Amount [6]	Actual Project Available Amount	Financed Funding Amount	Subsidized Funding Amount [7]	GREEN Program Amount [8]	GREEN Project Type [9]
Palmer	Wastewater Treatment Plant Improvements Phase Ib	671251	620	$4,000,000	$4,000,000	$33,589,186	$1,461,019	**$4,000,000**	$3,400,000	$600,000	$4,000,000	ENG-BC [10]
Skagway	Wastewater Treatment Plant Improvements [2]	785071	525	$800,000	$4,800,000	$29,589,186	$861,019	**$800,000**	$680,000	$120,000	$0	
Sitka	Sewer Lift Station Upgrades [1,2]	783391	505	$1,282,000	$6,082,000	$28,789,186	$741,019	**$1,282,000**	$1,089,700	$192,300	$1,282,000	ENG-BC
Ketchikan	4th & 7th Avenues, Jackson & Monroe Sewer [1,2,3]	481101	505	$2,603,505	$8,685,505	$27,507,186	$548,719	**$2,603,505**	$2,212,979	$390,526	$0	
Ketchikan	Alaska Avenue Street Sewer Upgrade [1,2,3]	481111	505	$1,183,640	$9,869,145	$24,903,681	$158,193	**$1,183,640**	$1,025,447	$158,193	$0	
Anchorage	Girdwood Wastewater Treatment Facility	127701	580	$20,000,000	$29,869,145	$23,720,041	$0	**$20,000,000**	$20,000,000	$0	$0	
Anchorage	Meyer Street Sewer Upgrade	127561	580	$267,267	$30,136,412	$3,720,041	$0	**$267,267**	$267,267	$0	$0	
Juneau	CBJ Twin Lakes Lift Station Replacement	445241	495	$825,000	$30,961,412	$3,452,774	$0	**$825,000**	$825,000	$0	$0	
Soldotna	Harbor Terrace Lane Sewer Mainline Installation	791261	425	$185,000	$31,146,412	$2,627,774	$0	**$185,000**	$185,000	$0	$0	
Sitka	Monastery Street Sewer Rehabilitation	783401	375	$932,000	$32,078,412	$2,442,774	$0	**$932,000**	$932,000	$0	$0	
Valdez	Homestead Road Sewer	891031	370	$1,400,000	$33,478,412	$1,510,774	$0	**$1,400,000**	$1,400,000	$0	$0	
Petersburg	Pumpstation 5 Upgrade [4]	685221	365	$630,000	$34,108,412	$110,774	$0	**$110,774**	$110,774	$0	$110,774	ENG-BC

Total Funded Amount: **$ 33,589,186** Total Green Amount: **$ 5,392,774**

Total Subsidized Amount: **$ 1,461,019**

[1] The Sitka - Sewer Lift Station Upgrades and Ketchikan - 4th & 7th Avenues, Jackson & Monroe Sewer and Alaska Avenue Street Sewer Upgrade projects were all allowed to bypass higher ranked projects to fully obligate available subsidy funds.

[2] The Sitka - Sewer Lift Station Upgrades project was placed at a higher position than the equivalently scored Ketchikan - 4th & 7th Avenues, Jackson & Monroe Sewer and Alaska Avenue Street Sewer Upgrade projects due to the project including Green project components.

[3] Subsidy funding of the Ketchikan - Alaska Avenue Street Sewer Upgrade project will be limited to remaining available Point Source subsidy funds.

[4] Funding of the Petersburg - Pumpstation 5 Upgrade project 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.

[5] Total available funding for projects was increased by an amount of $4,800,000 due to a loan deobligtion by the North Slope Borough prior to finalizing the IUP.

[6] The subsidy funding amount of $1,461,019 is based on an 80/20 split of total available subsidy funding ($1,826,274) between Point Source Priority List and Non-Point Source Priority List projects.

[7] Criteria for being eligible for a loan subsidy may be referenced on page 9 under the narrative section of the IUP.

[8] Funding for Green projects is based on meeting a minimal required amount of $2,438,800 under the State's capitalization grant for the program.

[9] 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.

[10] Prior to funding the Palmer - Wastewater Treatment Plant Improvements Phase Ib project, a Business Case for project Green eligiblity must be found justified.

ALASKA CLEAN WATER FUND
Point Source Funding Priority Planning List

Fiscal Year 2011

System Owner	Project Title	Project Number	Score	Amount Requested	Cumulative Amount Requested	GREEN * Project Type
Petersburg	Sewer Upgrades	685211	360	$550,404	$34,658,816	ENG-BC
North Pole	Inflow and Infiltration Reduction	633291	355	$1,416,500	$36,075,316	ENG-BC
Kodiak	Bio-Solid Handling and Disposal	503201	345	$4,500,000	$40,575,316	
Anchorage	Crawford St and Dawn Dr Pipe (Sewer) Upgrade	130371	260	$345,000	$40,920,316	
Juneau	JDWWTP Incinerator Rehabilitation	445251	195	$3,000,000	$43,920,316	
Anchorage	Elim Street Sewer Upgrade	131131	190	$446,250	$44,366,566	
Anchorage	Rovenna Pipe (Sewer) Replacement	131081	180	$2,961,400	$47,327,966	
Anchorage	Eagle River WW Treatment Facility Clarifier Upgrade	131091	180	$1,628,600	$48,956,566	
Anchorage	Asplund Disinfection Study & Upgrade	131101	180	$464,100	$49,420,666	
Anchorage	Chester Creek (B-5, B-6)	131111	180	$1,246,000	$50,666,666	
Craig	Water Street Lift Station Upgrade	265061	175	$450,000	$51,116,666	ENG-BC
Haines	Highland Estates Wastewater Collection	395121	170	$617,580	$51,734,246	
Anchorage	HVAC Control System King Street	131121	170	$440,000	$52,174,246	ENG-BC
Sitka	Sitka Sewer System Master Plan	783411	165	$165,000	$52,339,246	ENG-BC
Petersburg	Wastewater SCADA Upgrades	685231	165	$294,000	$52,633,246	
Anchorage	86th-Golden-Jewel Lake Sewer Upgrade	131141	160	$444,550	$53,077,796	
Anchorage	Midtown Sewer Upgrade	131151	160	$1,000,000	$54,077,796	
Palmer	Lift Station No. 3 Piping Upgrades	671271	155	$1,100,000	$55,177,796	ENG-BC
Anchorage	Asplund Fire Sprinkler System	131161	150	$1,395,280	$56,573,076	
Palmer	Wastewater Scada Control & Surveillance	671261	140	$1,100,000	$57,673,076	ENG-BC
Juneau	CBJ Lawson Creek Lift Station Replacement	445361	140	$825,000	$58,498,076	
Haines	Crystal Cathedrals Acquisition	395131	130	$135,960	$58,634,036	
Palmer	Rehabilitate Sewer Mains	671281	125	$1,100,000	$59,734,036	ENG-BC
Soldotna	Soldotna Avenue Sewer Mainline Installation	791271	125	$443,000	$60,177,036	
Soldotna	Robin Street Sewer Mainline Installation	791281	125	$221,500	$60,398,536	
Soldotna	Centennial Park Sewer Mainline Installation	791291	125	$895,000	$61,293,536	
Soldotna	East Beluga Avenue Sewer Mainline Installation	791301	125	$115,000	$61,408,536	
Soldotna	East Redoubt Avenue Sewer Mainline Installation	791311	125	$900,000	$62,308,536	
North Pole	City of North Pole Utility Garage (Wastewater Portion)	633301	55	$1,010,000	$63,318,536	ENG-BC

* 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 Ib

ALASKA CLEAN WATER FUND

NonPoint Source Funding Priority List

ALASKA CLEAN WATER FUND
Non-Point Source Funding Priority List

Fiscal Year 2011

System Owner	Project Title	Project Number	Score	Amount Requested	Cumulative Amount Requested	Total Funding Available Amount [2]	Total Subsidy Available Amount [3]	Actual Project Available Amount	Financed Funding Amount	Subsidized Funding Amount [4]	GREEN Program Amount [5]	GREEN Project Type [6]
Fairbanks North Star	South Cushman Landfill Expansion Cell 3 & 4	339071	160	$8,000,000	$8,000,000	$8,397,296	$365,255	**$8,000,000**	$7,634,745	$365,255	$0	
Juneau	Juneau Snow Storage Assessment and Planning	445371	130	$100,000	$8,100,000	$397,296	$0	**$100,000**	$100,000	$0	$100,000	GIF-BC
Anchorage	Anchorage Regional Landfill Cell 9 [1]	131171	115	$11,880,000	$19,980,000	$297,296	$0	**$297,296**	$297,296	$0	$0	

Total Funded Amount: **$8,397,296**

Total Green Amount: **$100,000**

Total Green Amount - Point Source & Non-Point Source: **$5,492,774**

Total Subsidized Amount: **$365,255**

Total Subsidized Amount - Point Source & Non-Point Source: **$1,826,274**

Non-Point Source Funding Priority Planning List

Fiscal Year 2011

System Owner	Project Title	Project Number	Score	Amount Requested	Cumulative Amount Requested	GREEN Project Type [5]
Palmer	Storm Water Master Plan	671291	105	$500,000	$20,480,000	GIF-BC
Sitka	Sitka Drainage Master Plan	783421	100	$137,500	$20,617,500	
Ketchikan Gateway Borough	On-Site Wastewater Comprehensive Plan Update	482141	70	$50,000	$20,667,500	

[1] Funding of the Fairbanks Anchorage - Anchorage Regional Landfill Cell 9 project will be dependent upon remaining available loan funds. The Department will negotiate with the North Slope Borough to provide additional funds as they become available later in the year.

[2] Total available funding for projects was increased by an amount of $1,200,000 due to a loan deobligtion by the North Slope Borough prior to finalizing the IUP.

[3] The subsidy funding amount of $365,255 is based on an 80/20 split of the total available subsidy funding amount ($1,826,274) between Point Source Priority List and Non-Point Source Priority List projects.

[4] Criteria for being eligible for a loan subsidy may be referenced on page 9 under the narrative section of the IUP.

[5] Funding for Green projects is based on meeting a minimal required amount of $2,438,800 under the State's capitalization grant for the program.

[6] 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 FY11
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.

PUBLIC HEALTH CONSIDERATIONS (only one)	Assigned Points
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

WATER QUALITY CONSIDERATIONS (only one)

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

		Assigned Points
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 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 impacts		0
LOCAL INITIATIVE (only one)		
1. This project will complete a project that has already begun construction and has completed an environmental review.		50
2. This project has 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
AFFORDABILITY CRITERIA (only one)		
1. Loan cost to population benefiting ratio		
Cost/population ratio	0 - 400	15
Cost/population ratio	401 - 4,000	10
Cost/population ratio	> 4,000	5

APPENDIX IIb

ALASKA CLEAN WATER FUND

NonPoint Source Priority Criteria

ALASKA CLEAN WATER FUND
STATE REVOLVING FUND (SRF)
PRIORITY CRITERIA FOR FY11
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

LOCAL INITIATIVE CONSIDERATIONS (only one)	Assigned Points
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
FUNDING COORDINATION (both possible)	
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
ABILITY TO REPAY (both possible)	
A viable repayment source has been identified.	10
Financial instruments, ordinances, agreement, etc., are in place to assure repayment.	10
Not yet determined	0
NPS STRATEGY IDENTIFIED PRIORITIES (determinded by ADEC)	
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 Disbribution of ACWF Projects

Alaska Clean Water Fund

Project Descriptions

Fiscal Year 2011

Anchorage

Project Name	Project Number	Green Project (Yes/No)	Project Type	Project Scoring Criteria							
				Public Health	Water Quality	Receiving Water	Local Initiative	Funding	Repay	Afford.	TOTAL
Meyer Street Sewer Upgrade	127561	No	212	300	220	10	0	15	20	15	580

This project includes lining sewer mains with cured-in-place liner. Scope includes cleaning and lining 80 LF of 8" cast iron pipe on Tarwater Street, 100 LF of 8" cast iron pipe on Meyer Street, and approximately 190 LF of 12" concrete pipe north of manhole 29, through new manhole 29-A, to manhole 43. All of this work is in a platted road right-of-way, but the streets are not constructed.

Project Name	Project Number	Green Project (Yes/No)	Project Type	Project Scoring Criteria							
				Public Health	Water Quality	Receiving Water	Local Initiative	Funding	Repay	Afford.	TOTAL
Asplund Fire Sprinkler System	131161	No	212	0	100	0	0	15	20	15	150

This project will design and construct a fire suppression sprinkler alarm system in the incinerator building as Asplund. This action is recommended by Municipality of Anchorage Risk Management to meet safety compliance. The Asplund facility only incinerates POTW sludge.

Project Name	Project Number	Green Project (Yes/No)	Project Type	Project Scoring Criteria							
				Public Health	Water Quality	Receiving Water	Local Initiative	Funding	Repay	Afford.	TOTAL
HVAC Control System King Street	131121	Yes	212	0	100	0	20	15	20	15	170

This project will upgrade the control system for the heating, ventilation, and air conditioning (HVAC) system at the AWWU Operations and Maintenance (O&M) Facility. The new control system will be designed with high energy efficient rated components versus standard rated systems.

Anchorage (Continued)

Project Name	Project Number	Green Project (Yes/No)	Project Type	Project Scoring Criteria							
				Public Health	Water Quality	Receiving Water	Local Initiative	Funding	Repay	Afford.	TOTAL
Elim Street Sewer Upgrade	131131	No	212	0	100	10	30	15	20	15	190
This project will upgrade approximately 123 feet of 8-inch pipe to address recurring maintenance problems.											

Project Name	Project Number	Green Project (Yes/No)	Project Type	Project Scoring Criteria							
				Public Health	Water Quality	Receiving Water	Local Initiative	Funding	Repay	Afford.	TOTAL
Rovenna Pipe (Sewer) Upgrade	131081	No	212	0	100	10	20	15	20	15	180
This project will upgrade approximately 365 feet of 8-inch DIP and 3,550 LF of 15-inch CMP sanitary sewer pipe that was installed in the 1960's. Multiple excavations on the pipe indicate corrosion/degradation to the pipe crown.											

Project Name	Project Number	Green Project (Yes/No)	Project Type	Project Scoring Criteria							
				Public Health	Water Quality	Receiving Water	Local Initiative	Funding	Repay	Afford.	TOTAL
Crawford St and Dawn Dr Pipe (Sewer) Upgrade	130371	No	212	0	200	10	0	15	20	15	260
This project will upgrade approximately 180 feet of 8-inch AC sanitary sewer main that is under capacity and has become plugged several times.											

Project Name	Project Number	Green Project (Yes/No)	Project Type	Project Scoring Criteria							
				Public Health	Water Quality	Receiving Water	Local Initiative	Funding	Repay	Afford.	TOTAL
Eagle River WW Treatment Facility Clarifier Upgrade	131091	No	212	0	100	10	20	15	20	15	180
This project will rehabilitate the primary clarifiers at the Eagle River Wastewater Treatment Facility. Tasks include patch and seal the concrete basins, upgrade the traveling-bridge rails, upgrade worn sludge collection rakes and pump manifold, blast clean and recoat steel influent trough, valves, & pipes; blast clean and recoat effluent launders; and upgrade miscellaneous valves, pneumatic piping, collection and discharge lines, and heat trace and insulate air pump for scum handling system.											

Anchorage (Continued)

Project Name	Project Number	Green Project (Yes/No)	Project Type	Project Scoring Criteria							
				Public Health	Water Quality	Receiving Water	Local Initiative	Funding	Repay	Afford.	TOTAL
Girdwood Wastewater Treatment Facility	127701	No	212	300	200	10	20	15	20	15	580

Increase to existing loan # 127701- The Girdwood Wastewater Treatment Facility was originally constructed in 1978 and has nearly reached the end of the plant's useful life. This project will include various upgrades to the Girdwood Wastewater Treatment Facility and the construction of a new Girdwood Wastewater Treatment Facility. And Environmental Assessment and Preliminary Design Report have been completed.

Project Name	Project Number	Green Project (Yes/No)	Project Type	Project Scoring Criteria							
				Public Health	Water Quality	Receiving Water	Local Initiative	Funding	Repay	Afford.	TOTAL
Asplund Disinfection Study & Upgrade	131101	No	212	0	100	10	20	15	20	15	180

Increase to existing loan # 130171- The AWWTF operates under a 301 (h) variance from the secondary treatment requirements of the federal National Pollutant Discharge Elimination System (NPDES) regulations. 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 evaluate the existing disinfection system and propose outline a set of recommended improvements, at AWWTF. Will eliminate the use of gas chlorine in 1-ton cylinders and go to 12.5% sodium hypochlorite generated onsite for disinfection.

Project Name	Project Number	Green Project (Yes/No)	Project Type	Project Scoring Criteria							
				Public Health	Water Quality	Receiving Water	Local Initiative	Funding	Repay	Afford.	TOTAL
Chester Creek (B-5, B-6)	131111	No	212	0	100	10	20	15	20	15	180

Rollover for pending loan # 130971- This trunk has been identified as having a possible capacity problem due to population growth by the end of the planning period, 1995 to 2020, flows from the Merrill Field Leachate collection system, as well as excess infiltration and deterioration of the pipe due to age and physical conditions.

Anchorage (Continued)

Project Name	Project Number	Green Project (Yes/No)	Project Type	Project Scoring Criteria							
				Public Health	Water Quality	Receiving Water	Local Initiative	Funding	Repay	Afford.	TOTAL
86th-Golden-Jewel Lake Sewer Upgrade	131141	No	212	0	100	10	0	15	20	15	160

Rollover for pending loan #130631- This project, located on West 86th ave., between Golden St. and Jewel lake Rd., and will replace two manholes as well as 446 feet of 8-inch and 30-inch AC pipe. The existing main has two areas with bellies that collect grease, causing blockage in the main. One belling area also has a shear break.

Project Name	Project Number	Green Project (Yes/No)	Project Type	Project Scoring Criteria							
				Public Health	Water Quality	Receiving Water	Local Initiative	Funding	Repay	Afford.	TOTAL
Midtown Sewer Upgrade	131151	No	212	0	100	10	0	15	20	15	160

These projects are defined in the 2006 Wastewater Master Plan and address seventeen (17) projects that will be renewed or replaced due to aging infrastructure to decrease emergency repair costs. This project will upgrade approximately 5,406 feet of 8- 16-inch pipes to address recurring maintenance problems. These older pipes need to be replaced to address pipe shifting that causes grade and related flow problems.

Project Name	Project Number	Green Project (Yes/No)	Project Type	Project Scoring Criteria					
				Water Quality	Local Initiative	Funding	Repay	NPS Strategy	TOTAL
Anchorage Regional Landfill Cell 9	131171	No	319	60	10	5	20	20	115

Design, procurement, construction, and construction management for expansion Cell 9 including liner systems, leachate management, landfill gas control, interim cover, and stormwater management.

How this project implements Alaska's Nonpoint Source Strategy: *The EPA approved Alaska's Strategy identifies as a priority under Urban and Community Action Plan (UR-B7, pg. 31), the need to upgrade failed community landfills to ensure leachate control and water quality concerns are met. Additionally, on page 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.*

Craig

Project Name	Project Number	Green Project (Yes/No)	Project Type	Project Scoring Criteria							
				Public Health	Water Quality	Receiving Water	Local Initiative	Funding	Repay	Afford.	TOTAL
Water Street Lift Station Upgrade	265061	Yes	212	0	100	10	30	15	10	10	175

The Water Street Lift Station is obsolete. The station requires frequent troubleshooting. Replacing the pumps will allow the station to be added to the city's SCADA system, replace the pumps with the standard submersible pump station that the city is now using at other locations in Craig, and lessen the likelihood of complete station failure. The combination of replacing the older inefficient pumps and adding SCADA to the lift station is anticipated to provide significant energy efficiency improvements in station operation.

Fairbanks North Star Borough

Project Name	Project Number	Green Project (Yes/No)	Project Type	Project Scoring Criteria					
				Water Quality	Local Initiative	Funding	Repay	NPS Strategy	TOTAL
South Cushman Landfill Expansion Cell 3 & 4	339071	No	319	100	15	5	20	20	160

Landfill Expansion Project- Cell 3 & 4

How this project implements Alaska's Nonpoint Source Strategy: *The EPA approved Alaska's Strategy identifies as a priority under Urban and Community Action Plan (UR-B7, pg. 31), the need to upgrade failed community landfills to ensure leachate control and water quality concerns are met. Additionally, on page 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.*

Haines

Project Name	Project Number	Green Project (Yes/No)	Project Type	Project Scoring Criteria							
				Public Health	Water Quality	Receiving Water	Local Initiative	Funding	Repay	Afford.	TOTAL
Crystal Cathedrals Acquisition	395131	No	212	0	100	0	20	0	0	10	130

The Haines Borough has a pending purchase agreement with the owner of Crystal Cathedrals Water & Sewer System, Inc. for the purchase of Crystal Cathedrals' water source, water treatment facility, water distribution system, and sewer collection system for $370,000. The sewer collection portion of this purchase is $135,960.

Haines (Continued)

Project Name	Project Number	Green Project (Yes/No)	Project Type	Project Scoring Criteria							
				Public Health	Water Quality	Receiving Water	Local Initiative	Funding	Repay	Afford.	TOTAL
Highland Estates Wastewater Collection	395121	No	212	0	100	10	30	15	10	5	170

The lots of Young Road and Bjornstad Drive currently do not have sewer service and the area is not particularly well suited for on-lot disposal systems due to the steep terrain. This project would install 8" PVC gravity collector sewer pipe on Young Road and Bjornstad Drive. In addition 4" PVC sewer services would be extended to the edge of the right-of-way for each lot. Eight manholes would be located at approximately 400' intervals.

Juneau

Project Name	Project Number	Green Project (Yes/No)	Project Type	Project Scoring Criteria							
				Public Health	Water Quality	Receiving Water	Local Initiative	Funding	Repay	Afford.	TOTAL
JDWWTP Incinerator Rehabilitation	445251	No	212	0	100	5	40	15	20	15	195

The fluidized bed incinerator at the Juneau Douglas Wastewater Treatment Plant processes all bio-solids generated by the CBJ's three wastewater treatment plants. The unit's reactor vessel is 18 years old and nearing the end of its original design life. This loan request is for funding to rehabilitate the reactor vessel and related components and extend the useful life of the unit an additional 15 years.

Project Name	Project Number	Green Project (Yes/No)	Project Type	Project Scoring Criteria							
				Public Health	Water Quality	Receiving Water	Local Initiative	Funding	Repay	Afford.	TOTAL
CBJ Twin Lakes Lift Station Replacement	445241	No	212	200	220	10	30	0	20	15	495

This project will replace the existing 35 year old sewer lift station to increase capacity and reduce the risk of potential sewer backups in this growing and critical portion of the CBJ wastewater collection system. The replacement lift station will include the new higher horsepower pumps and a new wet well for increased safety and reliability.

Juneau (Continued)

Project Name	Project Number	Green Project (Yes/No)	Project Type	Project Scoring Criteria							
				Public Health	Water Quality	Receiving Water	Local Initiative	Funding	Repay	Afford.	TOTAL
CBJ Lawson Creek Lift Station Replacement	445361	No	212	0	100	5	0	0	20	15	140

This project will replace the existing 35 year old sewer lift station to increase capacity and reduce the risk of potential sewer backups in this growing and critical portion of the CBJ wastewater collection system. The replacement lift station will include the new higher horsepower pumps and a new wet well for increased safety and reliability.

Project Name	Project Number	Green Project (Yes/No)	Project Type	Project Scoring Criteria					
				Water Quality	Local Initiative	Funding	Repay	NPS Strategy	TOTAL
Juneau Snow Storage Assessment and Planning	445371	Yes	319	60	5	5	20	40	130

The city and Borough of Juneau requests grant funding to support a study involving a city wide assessment and analysis of snow storage processes. Based on the findings, recommendations will be made to improve city operations, land use, and melt water treatment for snow. The study will include green infrastructure technologies such as infiltration, biofiltration, and filtering using new technologies will be explored. Additionally, the study will focus on minimizing required fuel consumption, and maximizing treatment of melt water onsite to prevent contamination of waterbodies.

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).*

Ketchikan

Project Name	Project Number	Green Project (Yes/No)	Project Type	Project Scoring Criteria							
				Public Health	Water Quality	Receiving Water	Local Initiative	Funding	Repay	Afford.	TOTAL
4th & 7th Avenues, Jackson & Monroe Sewer	481101	No	212	200	220	5	30	15	20	15	505

Ketchikan (Continued)

Project Name	Project Number	Green Project (Yes/No)	Project Type	Project Scoring Criteria							
				Public Health	Water Quality	Receiving Water	Local Initiative	Funding	Repay	Afford.	TOTAL
Alaska Avenue Street Sewer Upgrade	481111	No	212	200	220	5	30	15	20	15	505

Install 2,000 feet of 8" C-900 sewer mains. As part of a multi-year program jointly developed by KPU and General Government to replace substandard, defective utilities simultaneously whenever possible. The City of Ketchikan is designing the replacement of water and sewer mains throughout Alaska Avenue right-of-way with non-corrodible materials.

Ketchikan Gateway Borough

Project Name	Project Number	Green Project (Yes/No)	Project Type	Project Scoring Criteria					
				Water Quality	Local Initiative	Funding	Repay	NPS Strategy	TOTAL
On-Site Wastewater Comprehensive Plan Update	482141	No	319	60	0	0	0	10	70

Update On-Site Wastewater Comprehensive Plan - conduct testing to determine presence of fecal coli form and other wastewater contaminants in ditches and streams, and compare results to 1988 study. Determine if existing programs are improving the situation, or if additional work is required. Within the Borough there are numerous private and combined outfalls. The outfalls are connected to a combination of septic tanks, and individual on-site package secondary treatment plants. Preliminary results from the DEC show high fecal levels.

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

Project Name	Project Number	Green Project (Yes/No)	Project Type	Project Scoring Criteria							
				Public Health	Water Quality	Receiving Water	Local Initiative	Funding	Repay	Afford.	TOTAL
Bio-Solid Handling and Disposal	503201	No	212	200	100	5	20	0	10	10	345

The City of Kodiak has been disposing of bio-solids at the Kodiak Island Borough solid waste landfill for years. Two years ago the Borough informed the City it is running out of room and could no longer accept all of the bio-solids produce from our Wastewater Treatment plant. The City entered into a contract with CH2MHill to evaluate and recommend options for managing bio-solids disposal. The City began the pilot project in June of 2009 and is in the process of evaluating the outcome. This project would fund the construction and equipment for the City to being composting bio-solids on a full time basis for disposal of the bio-solids.

North Pole

Project Name	Project Number	Green Project (Yes/No)	Project Type	Project Scoring Criteria							
				Public Health	Water Quality	Receiving Water	Local Initiative	Funding	Repay	Afford.	TOTAL
City of North Pole Utility Garage (Wastewater Portion)	633301	Yes	212	0	0	10	20	15	0	10	55

With funding of the City of North Pole will use a design-build approach to build an approximate 5000 to 6000 sq. ft. utility garage and maintenance building. The facility will be an on-slab pre-fabricated steel building. The need for the facility is to park utility vehicles and equipment in warm space and provide workspace for utility maintenance activities. Such a heated space is especially critical during the seven-month long winter season. The utility currently lacks adequate heated space has discouraged the utility from purchasing a needed jet-vac truck and emergency generators that must be parked in heated space. In addition, the project will be designed to be highly energy efficient by installing items such as high efficiency boilers, high R-value insulation, and highly efficient LED lighting fixtures.

Project Name	Project Number	Green Project (Yes/No)	Project Type	Project Scoring Criteria							
				Public Health	Water Quality	Receiving Water	Local Initiative	Funding	Repay	Afford.	TOTAL
Inflow and Infiltration Reduction	633291	Yes	212	200	100	10	20	15	0	10	355

There is approximately one mile of aging gravity sewer mains and associated manholes in the core of the City of North Pole prone to high levels of inflow and infiltration (I&I). This section of the waste water collection system was installed in the 1970s from a material, Techite, prone to leaking. The proposed project will slip line the gravity sewer mains without excavating and will re-grout leaking manholes to reduce I&I. Damaged manholes will be pressure grouted to repair cracks. Some limited excavation may need to occur for the manhole renovation phase of the project. The I&I project is part of the effort to increase the capacity and efficiency of the City's waste water treatment works. A 2005 engineering analysis estimated I&I into the wastewater system to be 130,000 gallons per day--as much as 40% of the total daily wastewater stream. The reduction in T&I under this project will provide significant savings in energy operation costs at the WWTP and collection system lift stations.

Palmer

Project Name	Project Number	Green Project (Yes/No)	Project Type	Project Scoring Criteria							
				Public Health	Water Quality	Receiving Water	Local Initiative	Funding	Repay	Afford.	TOTAL
Wastewater Treatment Plant Improvements Phase Ib	671251	Yes	212	300	220	10	50	15	20	5	620

Improvements to the existing plant will be to convert one or two of the existing lagoons into the front end of a solar aquatic system by enclosing it in an insulated greenhouse type building and supplying sufficient aeration and supplement heating through solar or other means to accelerate the treatment activity. Install larger air blowers an additional UV unit and other improvements to increase our current capacity from one to two million gallons a day with expansion capacity to 4 million gallons per day. Use of the solar aquatic system will significantly reduce energy operation costs by maintaining warmer air temperatures over the sewage lagoons and which will significantly increase biological treatment processes. It has been estimated that these improvements along with current work being done on the lagoons through an ARRA project, energy efficiency savings will be nearly 58%.

Project Name	Project Number	Green Project (Yes/No)	Project Type	Project Scoring Criteria							
				Public Health	Water Quality	Receiving Water	Local Initiative	Funding	Repay	Afford.	TOTAL
Lift Station No. 3 Piping Upgrades	671271	Yes	212	0	100	10	30	0	0	15	155

Existing control panels and pumps at the City of Palmer Sewer Lift Station No. 3 are in urgent need of upgrades. The current system utilizes pumps which are thirty years old and pump controls that are below grade in confined space entry classification. With the limited automation for failure notification on these pumps, the city personnel must manually monitor the pumps. The proposed rehabilitations will include replacement of both pumps; pump controls including three new grinder style pumps, new above grade pump controls and integrated into the City's internet-based monitoring and alarm system. This will provide new automatic trouble notification and new auxiliary back-up power to operate the pumps in case of a power failure. With the upgrades to the list stations the operational energy costs will be reduced by 10-15%.

Project Name	Project Number	Green Project (Yes/No)	Project Type	Project Scoring Criteria							
				Public Health	Water Quality	Receiving Water	Local Initiative	Funding	Repay	Afford.	TOTAL
Wastewater Scada Control & Surveillance	671261	Yes	212	0	100	10	0	15	0	15	140

The project consists of the design and installation of new SCADA controls for the wastewater and potable water systems within the City of Palmer. The controls will provide new capabilities such as remote control equipment, remote monitoring of systems, alarm forwarding, water flow metering, and other necessary control features needed. The new control system will also provide security surveillance cameras at each site which will feed back to our Police dispatch quarters. The main control computer will be located at public works and will provide a system wide monitoring and alarm notification system. The projects being completed this year will need a new control system installed before summer of 2010 to control the new well pump and reservoir to work along with existing well pumps.

Palmer (Continued)

Project Name	Project Number	Green Project (Yes/No)	Project Type	Project Scoring Criteria							
				Public Health	Water Quality	Receiving Water	Local Initiative	Funding	Repay	Afford.	TOTAL
Rehabilitate Sewer Mains	671281	Yes	212	0	100	10	0	0	0	15	125

This project will replace or rehabilitate aging gravity concrete wastewater pipe throughout the City of Palmer. The work includes removal of existing undersized sewer mains by the replacement of piping, or lining the pipe with cure-in-place pipe (CIPP) method, constructing new manholes, cleanouts and service connections. Current piping is deteriorating at the pipe joints, seams and some pitting in the interior piping wall has occurred. Replacement of existing piping or lining utilizing the CIPP method we will reduce infiltration of ground water into sewer main distribution system and manholes. We anticipate reduction in overall energy operational costs by 10-15%.

Project Name	Project Number	Green Project (Yes/No)	Project Type	Project Scoring Criteria					
				Water Quality	Local Initiative	Funding	Repay	NPS Strategy	TOTAL
Storm Water Master Plan	671291	Yes	319	60	0	5	0	40	105

The master plan will address and implement the use of retention basins along the Glenn Highway and Palmer-Wasilla Highway corridors and redesign the existing storm water system currently in use through town which discharges into the Matanuska River at two locations. The Matanuska River is a Category 5/Selection 303 (d) Listed Water bodies, ID number 20402-001 is a high priority several miles upstream from the Palmer Wastewater Treatment Plant. The master plan will focus on large retention basins with the dispersal and infiltration methods onto existing farm lands and green spaces to improve water quality of existing store water systems. Public involvement and meetings will educate the community of the benefits of green infrastructure which is a key to any successful storm water program.

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).*

Petersburg

Project Name	Project Number	Green Project (Yes/No)	Project Type	Project Scoring Criteria							
				Public Health	Water Quality	Receiving Water	Local Initiative	Funding	Repay	Afford.	TOTAL
Sewer Upgrades	685211	Yes	212	200	100	5	30	0	10	15	360

This project will replace aging and failing asbestos cement sewer lines in Petersburg. Many of these sewer mains will be replaced concurrently with asbestos cement water lines. This project is focused on protecting the public health from cross connection hazards, reducing treated water losses and reducing inflow and infiltration of storm water into the sewer system. Streets to be included in the work include Noseeum Street, Gauffin Street, Odin Street, Valkrie Street and North Second Street.

Project Name	Project Number	Green Project (Yes/No)	Project Type	Project Scoring Criteria							
				Public Health	Water Quality	Receiving Water	Local Initiative	Funding	Repay	Afford.	TOTAL
Pumpstation 5 Upgrade	685221	Yes	212	200	100	5	20	15	10	15	365

This project will replace Pumpstation #5, the largest and most critical lift station in Petersburg's collection system. This station is responsible for pumping all collected wastewater from the community to the treatment plant. The station is a steel drywell/wetwell configuration that is corroding to the point of imminent failure. The goal of the City is to rehabilitate or replace this station before failure occurs, thereby ensuring that no service interruptions, pollution events or public health threats will occur. A design study effort is currently under contract with PND Engineers of Juneau to identify the best way to rehabilitate or replace this pump station.

Project Name	Project Number	Green Project (Yes/No)	Project Type	Project Scoring Criteria							
				Public Health	Water Quality	Receiving Water	Local Initiative	Funding	Repay	Afford.	TOTAL
Wastewater SCADA Upgrades	685231	No	212	0	100	5	20	15	10	15	165

This project will upgrade an existing Supervisory Control and Data Acquisition (SCADA) system in the wastewater treatment plant and collection system. This will include new sensors, communications equipment, human-machine interface and software.

Sitka

Project Name	Project Number	Green Project (Yes/No)	Project Type	Project Scoring Criteria							
				Public Health	Water Quality	Receiving Water	Local Initiative	Funding	Repay	Afford.	TOTAL
Sitka Sewer System Master Plan	783411	Yes	212	0	100	0	15	15	20	15	165

The Sewer Master Plan is required to determine current and future needs of the City and Borough of Sitka (CBS) to operate maintain and manage a comprehensive wastewater system. The current system collects wastewater from an area beginning at north near the Ferry Terminal extending through downtown Sitka to the Industrial Park at the old sawmill. The Master plan will identify pipe segments that require rehabilitation or replacement that have high infiltration, which will lead to significant energy savings in operation of the overall collection and treatment systems. One component of the plan the CBS has already begun is a corrosion study for the Sewer Lift Stations to determine the amount of corrosion and a control plan to limit the amount of corrosion.

Project Name	Project Number	Green Project (Yes/No)	Project Type	Project Scoring Criteria							
				Public Health	Water Quality	Receiving Water	Local Initiative	Funding	Repay	Afford.	TOTAL
Sewer Lift Station Upgrades	783391	Yes	212	200	220	5	30	15	20	15	505

The objective of this project is to replace the pump systems on 6 existing vacuum prime sewer lift stations. The pump systems are obsolete causing a high incidence of emergency callouts. The plan of remediation is to replace the obsolete vacuum suction pumps with current state of the art submersible pumps. The submersible pump system is inherently more efficient then the vacuum suction pump system. The new pumps have higher efficiency motors and soft start electronic components.

Project Name	Project Number	Green Project (Yes/No)	Project Type	Project Scoring Criteria							
				Public Health	Water Quality	Receiving Water	Local Initiative	Funding	Repay	Afford.	TOTAL
Monastery Street Sewer Rehabilitation	783401	No	212	200	100	5	20	15	20	15	375

The existing sewer and storm drain piping has aged and deteriorated. This allows ground water infiltration into the sewer piping and leakage from the sewer system into the storm drain system and the ground water. The system has less than 10 foot separation between the water line and the sewer lines. The project will correct the separation issue and replace the existing undersized three foot segment concrete sewer pipe with ductile iron pipe. The undersized pipe is susceptible to plugging which results in back up into residences and a dentist office.

Sitka (Continued)

Project Name	Project Number	Green Project (Yes/No)	Project Type	Project Scoring Criteria					
				Water Quality	Local Initiative	Funding	Repay	NPS Strategy	TOTAL
Sitka Drainage Master Plan	783421	No	319	60	0	0	0	40	100

The Drainage Master Plan is required to determine current and future needs of the City and Borough of Sitka (CBS) to operate, maintain and manage a comprehensive drainage system. The current system is the result of each individual project collecting drainage flows from the up stream side of a project and discharging the flows down stream of the project. The master plan will allow the community to evaluate the existing facilities some of which are 50 years or more old.

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).*

Skagway

Project Name	Project Number	Green Project (Yes/No)	Project Type	Project Scoring Criteria							
				Public Health	Water Quality	Receiving Water	Local Initiative	Funding	Repay	Afford.	TOTAL
Wastewater Treatment Plant Improvements	785071	No	212	200	250	5	20	15	20	15	525

Funding will complete the equipment procurement and building improvement phases of the Wastewater Plant Improvement project. Funds committed to date from Federal, State & Local sources are approximately $4.7 million, and total project expenses to date are estimated at $5.5 million.

Soldotna

Project Name	Project Number	Green Project (Yes/No)	Project Type	Project Scoring Criteria							
				Public Health	Water Quality	Receiving Water	Local Initiative	Funding	Repay	Afford.	TOTAL
Soldotna Avenue Sewer Mainline Installation	791271	No	212	0	100	10	0	0	0	15	125

This project would provide wastewater service from the Birch Street/ Soldotna Avenue intersection to the East Redoubt Avenue/ Soldotna Avenue intersection, a distance of approximately 1,200 linear feet. This street is in the middle of town, zoned commercial and has no piped city water and limited waste water service.

Soldotna (Continued)

Project Name	Project Number	Green Project (Yes/No)	Project Type	Project Scoring Criteria							
				Public Health	Water Quality	Receiving Water	Local Initiative	Funding	Repay	Afford.	TOTAL
Robin Street Sewer Mainline Installation	791281	No	212	0	100	10	0	0	0	15	125
This project would provide piped waste water service from the Robin Street/ East Redoubt Avenue intersection to Robin Street's south end, a distance of approximately 750 linear feet. This gravel street is in the middle of town, zoned commercial and has no city water or waste water service.											

Project Name	Project Number	Green Project (Yes/No)	Project Type	Project Scoring Criteria							
				Public Health	Water Quality	Receiving Water	Local Initiative	Funding	Repay	Afford.	TOTAL
Centennial Park Sewer Mainline Installation	791291	No	212	0	100	10	0	0	0	15	125
This project would extend the City sewer mainline system into a portion of Centennial Park. The scope of the work is anticipated to include providing City wastewater service to the easterly side of the park (that part of the park along and east of the main entry road). Currently, park outhouses or RV tanks are the only options for wastewater; when the tank gets full, the vehicle has to leave the park site to dump. This project also includes an evaluation of the sewer collection system and other sewer system improvements.											

Project Name	Project Number	Green Project (Yes/No)	Project Type	Project Scoring Criteria							
				Public Health	Water Quality	Receiving Water	Local Initiative	Funding	Repay	Afford.	TOTAL
Harbor Terrace Lane Sewer Mainline Installation	791261	No	212	200	200	10	0	0	0	15	425
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 linear feet. The main intent of this project is to eliminate on-site septic systems on properties directly adjacent to the Kenai River.											

Project Name	Project Number	Green Project (Yes/No)	Project Type	Project Scoring Criteria							
				Public Health	Water Quality	Receiving Water	Local Initiative	Funding	Repay	Afford.	TOTAL
East Beluga Avenue Sewer Mainline Installation	791301	No	212	0	100	10	0	0	0	15	125
This project would extend the sewer mainline from the Robin Street/ East Beluga Avenue intersection to the Birch Street/ East Beluga Avenue intersection, a distance of approximately 650 linear feet. This gravel street is in the middle of town, and has no City waste water service. There are dwellings that are using on-site septic systems on this street.											

Soldotna (Continued)

Project Name	Project Number	Green Project (Yes/No)	Project Type	Project Scoring Criteria							
				Public Health	Water Quality	Receiving Water	Local Initiative	Funding	Repay	Afford.	TOTAL
East Redoubt Avenue Sewer Mainline Installation	791311	No	212	0	100	10	0	0	0	15	125
This project would extend the sewer mainline from its current location on the west side of Soldotna Creek to the East Redoubt Avenue/ Swiftwater Park Road intersection, a distance of approximately 1,400 linear feet. This is the second step in a continuing effort to supply City waste water services to this rather large area within city limits. There are many dwellings that are using on-site septic systems on this street as well as on numerous cross streets. This area has high ground water and will require a lift station.											

Valdez

Project Name	Project Number	Green Project (Yes/No)	Project Type	Project Scoring Criteria							
				Public Health	Water Quality	Receiving Water	Local Initiative	Funding	Repay	Afford.	TOTAL
Homestead Road Sewer	891031	No	212	200	100	10	30	15	10	5	370
Install approximately 6,000 L.F. (total) of force main/sewer line to connect the residents of two (2) subdivisions along Homestead Road to the central city sewer system. This area is within city corporate boundaries and close to the city core, but residents rely on septic systems and wells as they have no access to city water & sewer service.											

APPENDIX IVa.

ALASKA CLEAN WATER FUND

Point Source Project Detail

ALASKA CLEAN WATER FUND
POINT SOURCE PROJECT DETAILED LIST
FISCAL YEAR 2011

Community	Ranking	Points	Project Name	Project Number	Amount Requested	NPDES or State Permit Number	EPA Project Scope	Needs	Binding Commitment	Construction Start	Initiation of Operation
Palmer	1	620	Wastewater Treatment Plant Improvements Phase II	671251	$4,000,000	AK-002249-7	Design & Construction	I	3/24/10	9/1/10	10/15/11
Anchorage	2	580	Girdwood Wastewater Treatment Facility	127701	$20,000,000	AK-0022551	Design & Construction	I	12/8/10	5/2/11	11/15/14
Anchorage	3	580	Meyer Street Sewer Upgrade	127561	$267,267	AK-0022551	Design & Construction	III(b)	6/29/10	7/1/10	9/1/11
Skagway	4	525	Wastewater Treatment Plant Improvements	785071	$800,000	A-0020010	Design & Construction	I	7/15/10	8/15/10	11/15/11
Sitka	5	505	Sewer Lift Station Upgrades	783391	$1,282,000	AK-0021474	Design & Construction	III(b)	3/24/10	6/1/10	10/15/11
Ketchikan	6	505	4th & 7th Avenues, Jackson & Monroe Sewer	481101	$2,603,505	POA-1922-22-Y	Design & Construction	III(b)	7/1/10	1/3/11	10/15/11
Ketchikan	7	505	Alaska Avenue Street Sewer Upgrade	481111	$1,183,640	POA-1922-22-Y	Design & Construction	III(b)	7/1/10	1/3/11	10/15/11
Juneau	8	495	CBJ Twin Lakes Lift Station Replacement	445241	$825,000	AK-0023213	Design & Construction	III(b)	5/17/10	6/15/10	10/15/11
Soldotna	9	425	Harbor Terrace Lane Sewer Mainline Installation	791261	$185,000	AK-0020036	Design & Construction	IV(a)	4/16/10	8/2/10	10/15/11
Sitka	10	375	Monastery Street Sewer Rehabilitation	783401	$932,000	AK-0021474	Design & Construction	III(b)	3/24/10	6/1/10	10/15/11
Valdez	11	370	Homestead Road Sewer Project	891031	$1,400,000	AK-0021431	Design & Construction	III(b)	11/30/10	5/2/11	10/15/11
Petersburg	12	365	Pumpstation 5 Upgrade	685221	$630,000	AK-0021458	Design & Construction	III(b)	7/1/10	11/1/10	11/15/11
Petersburg	13	360	Sewer Upgrades	685211	$550,404	AK-0021458	Design & Construction	III(b)	6/1/10	8/2/10	10/15/11
North Pole	14	355	Inflow and Infiltration Reduction	633291	$1,416,500	AK-0021393	Design & Construction	III(b)	10/4/10	5/2/11	11/1/11
Kodiak	15	345	Bio-Solid Handling and Disposal	503201	$4,500,000	Ak-002155-5	Design & Construction	I	2/28/11	3/28/11	11/1/11
Anchorage	16	260	Crawford St and Dawn Dr Pipe (Sewer) Upgrade	130371	$345,000	AK-0022551	Design & Construction	III(b)	6/29/10	7/1/10	9/1/11
Juneau	17	195	JDWWTP Incinerator Rehabilitation	445251	$3,000,000	AK-0023213	Design & Construction	I	5/17/10	8/16/10	11/1/11
Anchorage	18	190	Elim Street Sewer Upgrade	131131	$446,250	AK-0022551	Design & Construction	III(b)	6/29/10	7/1/10	10/15/11
Anchorage	19	180	Rovenna Pipe (Sewer) Upgrade	131081	$2,961,400	AK-0022551	Design & Construction	III(b)	6/29/10	9/1/10	10/15/11

Community	Ranking	Points	Project Name	Project Number	Amount Requested	NPDES or State Permit Number	EPA Project Scope	Needs	Binding Commitment	Construction Start	Initiation of Operation
Anchorage	20	180	Eagle River WW Treatment Facility Clarifier Upgrade	131091	$1,628,600	AK-0022551	Design & Construction	I	12/8/10	2/1/11	11/15/11
Anchorage	21	180	Asplund Disinfection Study & Upgrade	131101	$464,100	AK-0022551	Design & Construction	I	6/29/10	5/2/11	5/15/12
Anchorage	22	180	Chester Creek (B-5, B-6)	131111	$1,246,000	AK-0022551	Design & Construction	III(b)	6/29/10	7/1/10	10/15/11
Craig	23	175	Water Street Lift Station Upgrade	265061	$450,000	0013-CB029	Design & Construction	III(b)	4/15/10	4/1/11	11/15/11
Haines	24	170	Highland Estates Wastewater Collection	395121	$617,580	AK-0021385	Design & Construction	III(b)	7/1/10	4/18/11	9/1/11
Anchorage	25	170	HVAC Control System King Street	131121	$440,000	AK-0022551	Design & Construction	I	6/29/10	9/28/10	11/15/11
Sitka	26	165	Sitka Sewer System Master Plan	783411	$165,000	AK-0021474	Design & Construction	I	3/24/10	5/3/10	5/15/12
Petersburg	27	165	Wastewater SCADA Upgrades	685231	$294,000	AK-0021458	Design & Construction	I	7/1/10	1/3/11	11/15/11
Anchorage	28	160	86th-Golden-Jewel Lake Sewer Upgrade	131141	$444,550	AK-0022551	Design & Construction	III(b)	6/29/10	6/1/11	10/15/11
Anchorage	29	160	Midtown Sewer Upgrade	131151	$1,000,000	AK-0022551	Design & Construction	III(b)	6/29/10	7/1/10	9/1/11
Palmer	30	155	Lift Station No. 3 Piping Upgrades	671271	$1,100,000	AK-002249-7	Design & Construction	III(b)	3/24/10	4/15/10	10/15/11
Anchorage	31	150	Asplund Fire Sprinkler System	131161	$1,395,280	AK-0022551	Design & Construction	I	6/29/10	2/1/11	11/1/11
Palmer	32	140	Wastewater Scada Control & Surveillance	671261	$1,100,000	AK-002249-7	Design & Construction	III(b)	3/24/10	4/15/10	9/1/11
Juneau	33	140	CBJ Lawson Creek Lift Station Replacement	445361	$825,000	AK-0023213	Design & Construction	III(b)	5/17/10	6/15/10	10/15/11
Haines	34	130	Crystal Cathedrals Acquisition	395131	$135,960	AK-0021385	Design & Construction	I	4/30/10	4/30/10	11/15/11
Palmer	35	125	Rehabilitate Sewer Mains	671281	$1,100,000	AK-002249-7	Design & Construction	III(b)	3/24/10	4/15/10	10/15/11
Soldotna	36	125	Soldotna Avenue Sewer Mainline Installation	791271	$443,000	AK-0020036	Design & Construction	IV(a)	4/16/10	8/2/10	11/1/11
Soldotna	37	125	Robin Street Sewer Mainline Installation	791281	$221,500	AK-0020036	Design & Construction	IV(a)	4/16/10	8/2/10	11/1/11
Soldotna	38	125	Centennial Park Sewer Mainline Installation	791291	$895,000	AK-0020036	Design & Construction	IV(a)	4/16/10	8/2/10	11/1/11
Soldotna	39	125	East Beluga Avenue Sewer Mainline Installation	791301	$115,000	AK-0020036	Design & Construction	IV(a)	4/16/10	8/2/10	11/1/11
Soldotna	40	125	East Redoubt Avenue Sewer Mainline Installation	791311	$900,000	AK-0020036	Design & Construction	IV(a)	4/16/10	8/2/10	11/1/11
North Pole	41	55	Utility Garage	633301	$1,010,000	AK-0021393	Design & Construction	I	10/6/09	11/2/09	10/15/11

APPENDIX IVb

ALASKA CLEAN WATER FUND

NonPoint Source Project Detail

Alaska Clean Water Fund

NONPOINT SOURCE DETAILED LIST

Fiscal Year 2011

Community	Ranking	Points	Project Name	Project Number	Amount Requested	Binding Commitment	Construction Start	Initiation of Operation
Fairbanks North Star Borough	1	160	South Cushman Landfill Expansion Cell 3 & 4	339071	$8,000,000	10/31/11	5/1/12	11/1/12
Juneau	2	130	Juneau Snow Storage Assessment and Planning	445371	$100,000	3/15/10	4/1/10	N/A
Anchorage	4	115	Anchorage Regional Landfill Cell 9	131171	$11,880,000	3/1/10	5/15/12	11/1/12
Palmer	3	105	Storm Water Master Plan	671291	$500,000	3/24/10	4/15/10	N/A
Sitka	5	100	City and Borough of Sitka Master Plan	783421	$137,500	3/24/10	4/15/10	N/A
Ketchikan Gateway Borough	6	70	On-Site Wastewater Comprehensive Plan Update	482141	$50,000	7/1/10	8/1/10	N/A

APPENDIX V

ALASKA CLEAN WATER FUND

Public Comments

During the public comment period, two communities and EPA provided comments on removal of projects, revised project names and amounts, a listed project that is basically for a funding increase, or had concern about Green project eligibility, . These comments are summarized as follows:

- The North Slope Borough (NSB) requested to have the following projects removed from the SFY 2011 ACWF project funding lists:
    - Pt Lay Treated Effluent Outfall Improvements
    - Pt. Hope Sewer Extension
    - Ahgeak Street Sewer Extension
    - Pt. Lay Above Grade Service Connections
    - Kaktovik Sewer Service
    - Barrow Sewage Treatment Plant Tank/Grit Removal System

  In addition, NSB requested that the ACWF loan #635151 – Wainwright Sewer Repairs for an amount of $6,000,000 be fully deobligated. The deobligated amount was added to the total available project amount under this IUP for funding more projects under the Priority Project Lists.

- Anchorage requested that the Rovenna Pipe Replacement project be renamed to the Rovenna Pipe Upgrade, and that the Turnagain C-F Interceptor Upgrade project be removed. In addition, Anchorage noted the Asplund Disinfection and Study project listed on the IUP Point Source Priority Planning List is actually for an increase to an existing ACWF loan.

- EPA had concern about the Green eligibility of the Palmer – Wastewater Treatment Plant Improvements Phase Ib project. The City will be asked to provide a detailed Business Case to assure to both the State and EPA that Green requirements are met before any funding is offered.

APPENDIX VIa

ALASKA CLEAN WATER FUND

Estimated Disbursement Schedule for Point Source Projects

ALASKA CLEAN WATER FUND
Estimated Disbursement Schedule
FFY10 Capitalization Grant Funded & Other Program Funded Projects

Entity	Project/Set-Aside	Amount	FFY10 3rd Qtr.	FFY10 4th Qtr.	FFY11 1st Qtr.	FFY11 2nd Qtr.	FFY11 3rd Qtr.	FFY11 4th Qtr.	FFY12 1st Qtr.	FFY12 2nd Qtr.
ADEC	Administrative Costs	$ 487,760		$ 48,776	$ 73,164	$ 97,552	$ 24,388	$ 48,776	$ 73,164	$ 97,552
Anchorage	Meyer Street Sewer Upgrade	$ 267,267		$ 26,727	$ 40,090	$ 53,453	$ 13,363	$ 26,727	$ 40,090	$ 53,453
Anchorage	Asplund Fire Sprinkler System	$ 1,395,280				$ 279,056	$ 69,764	$ 139,528	$ 209,292	$ 279,056
Anchorage	HVAC Control System King Street	$ 440,000		$ 44,000	$ 66,000	$ 88,000	$ 22,000	$ 44,000	$ 66,000	$ 88,000
Anchorage	Elim Street Sewer Upgrade	$ 446,250			$ 66,938	$ 89,250	$ 22,313	$ 4,463	$ 66,938	$ 89,250
Anchorage	Rovenna Pipe (Sewer) Upgrade	$ 2,961,400			$ 444,210	$ 592,280	$ 148,070	$ 296,140	$ 444,210	$ 592,280
Anchorage	Crawford St and Dawn Dr Pipe (Sewer) Upgrade	$ 345,000		$ 34,500	$ 51,750	$ 69,000	$ 17,250	$ 34,500	$ 51,750	$ 69,000
Anchorage	Eagle River WWTF Clarifier Upgrade	$ 1,628,600				$ 325,720	$ 81,430	$ 162,860	$ 244,290	$ 325,720
Anchorage	Girdwood WWTF	$ 20,000,000						$ 2,000,000	$3,000,000	$4,000,000
Anchorage	Asplund Disinfection Study & Upgrade	$ 464,100						$ 46,410	$ 69,615	$ 92,820
Anchorage	Chester Creek (B-5, B-6)	$ 1,246,000		$124,600	$ 186,900	$ 249,200	$ 249,200	$ 62,300	$ 186,900	$ 249,200
Anchorage	86th-Golden-Jewel Lake Sewer Upgrade	$ 444,550						$ 44,455	$ 66,683	$ 88,910
Anchorage	Midtown Sewer Upgrade	$ 1,000,000		$100,000	$ 150,000	$ 200,000	$ 50,000	$ 100,000	$ 150,000	$ 200,000
Juneau	JDWWTP Incinerator Rehabilitation	$ 3,000,000		$300,000	$ 450,000	$ 600,000	$ 150,000	$ 300,000	$ 450,000	$ 600,000
Juneau	CBJ Twin Lakes Lift Station Replacement	$ 825,000		$ 82,500	$ 123,750	$ 165,000	$ 41,250	$ 82,500	$ 123,750	$ 165,000
Juneau	CBJ Lawson Creek Lift Station Replacement	$ 825,000		$ 82,500	$ 123,750	$ 165,000	$ 41,250	$ 82,500	$ 123,750	$ 165,000
Sitka	Sitka Sewer System Master Plan	$ 165,000				$ 33,000	$ 8,250	$ 16,500	$ 16,500	$ 33,000
Sitka	Sewer Lift Station Upgrades	$ 1,282,000			$ 192,300	$ 256,400	$ 64,100	$ 128,200	$ 128,200	$ 256,400
Sitka	Monastery Street Sewer Rehabilitation	$ 932,000			$ 139,800	$ 186,400	$ 46,600	$ 93,200	$ 139,800	$ 186,400
Craig	Water Street Lift Station Upgrades	$ 450,000					$ 22,500	$ 45,000	$ 67,500	$ 90,000
Ketchikan	4th & 7th Avenues, Jackson & Monroe Sewer	$ 2,603,505				$ 520,701	$ 130,175	$ 260,351	$ 260,351	$ 520,701
Ketchikan	Alaska Avenue Street Sewer Upgrade	$ 1,183,640				$ 236,728	$ 59,182	$ 118,364	$ 177,546	$ 236,728
Kodiak	Bio-Solid Handling and Disposal	$ 4,500,000				$ 900,000	$ 225,000	$ 450,000	$ 675,000	$ 900,000
North Pole	Utility Garage	$ 1,010,000			$ 151,500	$ 202,000	$ 50,500	$ 101,000	$ 151,500	$ 202,000
North Pole	Inflow and Infiltration Reduction	$ 1,416,500			$ 212,475	$ 283,300	$ 70,825	$ 141,650	$ 212,475	$ 283,300
Palmer	WWTP Improvements Phase II	$ 4,000,000			$ 600,000	$ 800,000	$ 200,000	$ 400,000	$ 600,000	$ 800,000
Palmer	Lift Station No. 3 Piping Upgrades	$ 1,100,000		$110,000	$ 165,000	$ 220,000	$ 55,000	$ 110,000	$ 165,000	$ 220,000
Palmer	Wastewater Scada Control & Surveillance	$ 1,100,000		$110,000	$ 165,000	$ 220,000	$ 55,000	$ 110,000	$ 165,000	$ 220,000
Palmer	Rehabilitate Sewer Mains	$ 1,100,000		$110,000	$ 165,000	$ 220,000	$ 55,000	$ 110,000	$ 165,000	$ 220,000
Petersburg	Sewer Upgrades	$ 550,404		$ 55,040	$ 82,561	$ 110,081	$ 27,520	$ 55,040	$ 82,561	$ 110,081
Petersburg	Pump Station 5 Upgrade	$ 630,000			$ 94,500	$ 126,000	$ 31,500	$ 63,000	$ 94,500	$ 126,000

ALASKA CLEAN WATER FUND
Estimated Disbursement Schedule
FFY10 Capitalization Grant Funded & Other Program Funded Projects

Entity	Project/Set-Aside	Amount	FFY10 3rd Qtr.	FFY10 4th Qtr.	FFY11 1st Qtr.	FFY11 2nd Qtr.	FFY11 3rd Qtr.	FFY11 4th Qtr.	FFY12 1st Qtr.	FFY12 2nd Qtr.
Petersburg	Wastewater SCADA Upgrades	$ 294,000				$ 58,800	$ 14,700	$ 29,400	$ 44,100	$ 58,800
Soldotna	Soldotna Avenue Sewer Mainline Installation	$ 443,000		$ 44,300	$ 66,450	$ 88,600	$ 22,150	$ 44,300	$ 66,450	$ 88,600
Soldotna	Robin Street Sewer Mainline Installtion	$ 221,500		$ 22,150	$ 33,225	$ 44,300	$ 11,075	$ 22,150	$ 33,225	$ 44,300
Soldotna	Centennial Park Sewer Mainline Installation	$ 895,000		$ 89,500	$ 134,250	$ 179,000	$ 44,750	$ 89,500	$ 134,250	$ 179,000
Soldotna	Harbor Terrace Lane Sewer Mainline Installation	$ 185,000		$ 18,500	$ 27,750	$ 37,000	$ 9,250	$ 18,500	$ 27,750	$ 37,000
Soldotna	East Beluga Avenue Sewer Mainline Installation	$ 115,000		$ 11,500	$ 17,250	$ 23,000	$ 5,750	$ 11,500	$ 17,250	$ 23,000
Soldotna	East Redoubt Avenue Sewer Mainline Installation	$ 900,000			$ 135,000	$ 180,000	$ 45,000	$ 90,000	$ 135,000	$ 180,000
Valdez	Homestead Road Sewer	$ 1,400,000					$ 70,000	$ 140,000	$ 210,000	$ 280,000
Haines	Crystal Cathedrals Acquisition	$ 135,960		$ 13,596	$ 20,394	$ 27,192	$ 6,798	$ 13,596	$ 20,394	$ 27,192
Haines	Highland Estates Wastewater Collection	$ 617,580					$ 30,879	$ 61,758	$ 92,637	$ 123,516
Skagway	WWTP Improvements	$ 800,000		$ 80,000	$ 120,000	$ 160,000	$ 40,000	$ 80,000	$ 120,000	$ 160,000

APPENDIX VIb

ALASKA CLEAN WATER FUND

Estimated Disbursement Schedule for NonPoint Source Projects

ALASKA CLEAN WATER FUND
Estimated Disbursement Schedule for NonPoint Projects
FFY10 Capitalization Grant Funded & Other Program Funded Projects

Entity	Project/Set-Aside	Amount	FFY10 3rd Qtr.	FFY10 4th Qtr.	FFY11 1st Qtr.	FFY11 2nd Qtr.	FFY11 3rd Qtr.	FFY11 4th Qtr.	FFY12 1st Qtr.	FFY12 2nd Qtr.
Fairbanks North Star	South Cushman Landfill Expansion Cell 3 & 4	$8,000,000						$800,000	$1,200,000	$ 1,600,000
Juneau	Juneau Snow Storage Assessment and Planning	$100,000					$ 5,000	$ 10,000	$ 15,000	$ 20,000
Palmer	Storm Water Master Plan	$500,000		$ 50,000	$ 75,000	$100,000	$ 25,000	$ 50,000	$ 75,000	$ 100,000
Anchorage	Anchorage Regional Landfill Cell 9	$11,880,000							$1,782,000	$ 2,376,000
Sitka	Sitka Master Plan	$137,500				$ 27,500	$ 6,875	$ 13,750	$ 20,625	$ 27,500
Ketchikan Gateway	On-Site Wastewater Comprehensive Plan Update	$50,000				$ 10,000	$ 2,500	$ 5,000	$ 7,500	$ 10,000

APPENDIX VII

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 U.S.C. 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 of 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