ALASKA CLEAN WATER FUND

STATE REVOLVING FUND

Intended Use Plan for
State Fiscal Year 2021 and
Federal Fiscal Year 2020 Grant Allotment

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

AAC	Alaska Administrative Code
ACWF	Alaska Clean Water Fund
ADEC	Alaska Department of Environmental Conservation
ADWF	Alaska Drinking Water Fund
AIS	American Iron and Steel
AWWU	Anchorage Water and Wastewater Utility
CBR	Clean Water Benefits Reporting
CE	Categorical Exclusion
COVID-19	Coronavirus Disease of 2019
CWA	Clean Water Act
CWSRF	Clean Water State Revolving Fund
DBE	Disadvantaged Business Enterprise
DWSRF	Drinking Water State Revolving Fund
EPA	U.S. Environmental Protection Agency
FFATA	Federal Funding Accountability Transparency Act
FFY	Federal Fiscal Year
FOCUS	Financial Operations and Cash Flow Utilization System
GPR	Green Project Reserve
IUP	Intended Use Plan
MHI	Median Household Income
OASys	Online Application System
PPL	Project Priority List
SERP	State Environmental Review Process
SFY	State Fiscal Year
SRF	State Revolving Fund

PROGRAM OVERVIEW

In 1987, Congress amended the federal Clean Water Act (CWA) authorizing the Clean Water State Revolving Fund (CWSRF), a low interest loan program, to assist public entities with the financing of publicly owned treatment facilities (Section 212) and nonpoint source management activities (Section 319). The 1987 CWA Amendments authorized the US Environmental Protection Agency (EPA) to award capitalization grants to states to provide seed money for the low-interest loan program. While the 1987 Amendments only authorized funding for the first several years of the loan program, Congress continues to provide funding as part of its annual appropriations. The Alaska Department of Environmental Conservation (ADEC) State Revolving Fund (SRF) Program administers this funding source through the Alaska Clean Water Fund (ACWF) on behalf of the State of Alaska.

This Intended Use Plan (IUP) describes how Alaska intends to use available CWSRF funds during State Fiscal Year 2021 (SFY21), July 1, 2020 through June 30, 2021. This IUP will be submitted to the EPA as part of the application for the CWSRF Federal Fiscal Year 2020 (FFY20) capitalization grant. Alaska's allotment from the Consolidated Appropriations Act, 2020, is $9,507,000.

PROGRAM UPDATES

ADEC continues to make updates to the SRF Program in an effort to improve service to funding recipients and meet program goals.

- The SRF Program has implemented a cash flow model for forecasting the financial performance of the ACWF. This tool will be integral in developing a long-term lending strategy. Staff will be learning how to update and use this tool in SFY21.
- During SFY19 and SFY20, the SRF Program developed a framework for providing Micro Loans to rural Alaska communities. The SFY21 Project Priority List (PPL) includes two projects submitted by rural communities for wastewater infrastructure needs. The Micro Loan Program offers up to $500,000 per project with terms of up to 20 years and principal forgiveness ranging from 50% to 90%. Each applicant is required to meet a minimum Operations and Maintenance Best Practices score before a loan agreement is offered.
- The SRF Program issued a Programmatic Financing (Pro Fi) agreement to its largest borrower, Anchorage Water and Wastewater Utility (AWWU) in SFY20. Pro Fi offers an alternative to project-by-project financing by funding eligible work within the utility's capital improvement project portfolio.
- With implementation of Pro Fi, the SRF Program can modify its approach to equivalency requirements in an effort to reduce the administrative burden on the majority of borrowers. Historically, all projects have been required to meet all federal grant requirements regardless of the source of funds disbursed.
- The SRF Program revised the public notice procedure for determinations associated with Categorical Exclusions (CEs). Rather than publishing a legal notice in the newspaper, the CE determinations are now posted on the ADEC Public Notice web page at https://dec.alaska.gov/commish/public-notices/. This practice improves efficiency,

reduces administrative costs, and aligns with the modern practices of the ADEC for effectively disseminating information.

PROGRAM GOALS

ADEC has identified several long and short term goals intended to promote sustainable improvements to the state's infrastructure and help ensure maximum environmental and public health benefits.

Long Term Goals

1. Foster coordination with other programs and agencies to improve assistance to borrowers in their efforts to achieve compliance and improve water quality.
2. Promote coordinated efforts by the State and eligible entities to expedite funding of eligible projects.
3. Fully implement the Financial Operations and Cash Flow Utilization System (FOCUS), a cash flow model for forecasting fund usage to allow for improved planning and funding allocation decisions.
4. Develop a long term lending strategy.
5. Develop program guidelines to improve the pace of loan projects.
6. Expand borrower pool through an established marketing and outreach plan.
7. Establish a process for coordinating funding strategies with other lenders such as U.S. Department of Agriculture Rural Development.
8. Develop a long term strategy for utilizing the ACWF Fee Account and 4% Administrative Set-Aside for program administration expenses.
9. Investigate methods for encouraging borrowers to pursue Green and Sustainable projects.
10. Investigate methods for making loan funds available for onsite wastewater systems and common collector systems.
11. Consider methods for encouraging borrowers to pursue nonpoint source projects.
12. Ensure full compliance with American Iron and Steel and Davis-Bacon requirements for all SRF loans.

Short Term Goals

1. In response to the economic crisis associated with the COVID-19 pandemic, identify methods to provide support to borrowers that experience unanticipated financial hardships.
2. Identify work flow processes needed to update FOCUS.
3. Integrate FOCUS into the web-based Loans and Grants Tracking System (LGTS) database.
4. Update the ACWF Operating Agreement.
5. Pursue revisions to the regulations at 18 AAC 76 to increase the SRF Program's agility in response to the needs of borrowers, as well as federal grant conditions.
6. Pursue revisions to Alaska Statute at AS 46.03 to broaden ACWF eligibility for private wastewater systems and tribally owned utilities.
7. In coordination with the Divisions of Air Quality and Spill Prevention and Response, pursue an avenue for funding conversion of home heating in the Fairbanks area from wood stoves and diesel fired boilers to natural gas in an effort to improve air quality in the PM2.5

Nonattainment Area, as well as reduce nonpoint source pollution in nearby waterbodies. As part of this effort, also consider methods for funding homeowner removal of underground fuel storage tanks.

8. Develop and distribute guidance materials, including Davis-Bacon guidance materials, to current and potential borrowers.
9. Develop and distribute marketing materials to improve outreach to potential borrowers.
10. Implement revised subsidy allocation methods.
11. Develop an online resource for borrowers about all potential sources of infrastructure funding.
12. Fully implement equivalency to reduce the regulatory burden on the majority of borrowers.
13. Initiate enhancements to the online payment request and quarterly report system to improve the user experience and data collection.
14. Revisit loan process improvements identified during the June 2017 Lean Kaizen event and develop a plan for implementation
15. Develop a method for more efficiently funding emergency projects.

FUNDS AVAILABLE

Amount of Capitalization Grant

Alaska's anticipated allotment from the FFY20 federal appropriation is $9,507,000.

State Match Requirement

Alaska must deposit into the ACWF an amount equal to at least 20% of the federal capitalization grant. ADEC will provide the required state match of $1,901,400 from short term bonding. The interest income of the Fund is used as collateral 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.

Estimated Funds Available – SFY21

In SFY21, the amount available for loans is the difference between the funds available and total program commitments, plus two years of projected future loan repayments, for a total of approximately $57 million. Table 1 summarizes funding sources, loan commitments, and expenditures since the inception of the ACWF.

In April 2020, in response to the economic crisis resulting from the COVID-19 pandemic, ADEC offered borrowers with pending loan repayments due during the final quarter of SFY20 the opportunity to defer those repayments without accruing additional interest or fees. Of the 10 borrowers offered this opportunity, two ACWF borrowers accepted. The principal repayments deferred by these two borrowers totaled $2,219,667. This reduction in principal repayments is reflected in the past loan repayments in Table 1.

It is anticipated that additional deferrals may be requested through the end of the 2020 calendar year due to economic hardships associated with the pandemic; therefore, the SFY21 projected repayments have been reduced to reflect a total assuming that all borrowers elect to defer loan repayments until the end of 2020. This is expected to be a conservative estimate, and many borrowers will likely continue with regularly scheduled repayments. Any changes in the repayment estimates will be re-evaluated on a quarterly basis when the PPL is updated and the available amount of funding is also reviewed.

Table 1. Estimated Available Funding

Sources of CWSRF Funds	
Federal Grants Received (cumulative through SFY20)	$276,272,962
FFY 20 Federal Capitalization Grant	9,507,000
FFY 20 Bond Proceeds (State Match)	1,901,400
State Match, prior years	51,020,896
Investment Income	52,645,288
Repayments through SFY20 (principal + interest collected)	265,088,586
Projected Repayments SFY21[1]	8,626,552
Projected Repayments SFY22	13,037,923
Projected Repayments SFY23	12,518,956
Subtotal	*$690,619,562*
Uses of CWSRF Funds	
Existing Loan Commitments	$562,465,842
Transfer from ACWF to ADWF (SFY08)	29,000,000
Administrative Set-Aside	9,054,361
Previous Bonding and Transaction Costs	31,210,052
SFY20 Bonding and Transaction Costs	1,904,945
Subtotal	*$633,635,200*
Total Available for CWSRF Loans	**$56,984,362**

Cash Draw Proportionality

Draws for loan funding are split between federal funding and the state match following the grant-specific proportionality rate method. The loan funding ratio is currently 83.33% federal and 16.67% state match. Alaska's proposed payment schedule (Table 2) for the FFY20 grant

[1] The loan repayments in SFY21 was reduced to show potential deferrals of all loan repayments through December 31, 2020.

allotment was developed based on projected needs for project construction and execution of loan agreements.

Table 2. SFY21 Estimated Schedule of Payments for FFY19 Capitalization Grant

Federal Quarter Beginning	FFY20 Grant Payment
7/1/2020	$9,507,000
10/1/2020	$0
1/1/2021	$0
4/1/2021	$0
Total	**$9,507,000**

Fund Transfer

Federal regulations allow a transfer of up to 33% of the Drinking Water State Revolving Fund (DWSRF) capitalization grants to the ACWF. ADEC reserves the authority to transfer funds between the ACWF and the Alaska Drinking Water Fund (ADWF), as appropriate, at some time in the future.

Administrative Fees

Since December 29, 2000, assistance recipients have been assessed an administrative fee in the amount of 0.5% of the principal loan balance as prescribed in 18 AAC 76. Fee revenue is kept in the ACWF Fee Account, separate from the regular loan fund, and is used exclusively to pay program administrative costs.

As noted in 18 AAC 76.086, ADEC will use administrative fees for direct costs including salaries, supplies, travel, and professional service contracts. For several years, most ADWF administrative expenses have been paid from the ACWF Fee Account because it had a larger balance than the ADWF Fee Account. As shown by the account balances shown in Table 3, the accounts are now balanced.

Legislative approval through the State's budgeting process is required to authorize increased charges directly to the ADWF Fee Account. ADEC will request such a revision in budgetary authority during SFY21 so that beginning in SFY22, the ADWF Fee Account will be used for ADWF-related program administration expenses.

Table 3. ADWF and ACWF Fee Accounts

Fee Account Information	ADWF Fee Account	ACWF Fee Account
Fee Account Balance (5/1/2020)	$5,780,915	$5,782,078

Administrative Set-Aside (4%)

The CWA allows each state to use up to 4% of its capitalization grant to fund the administration of the SRF Program. In SFY21, ADEC will not be using the 4% set aside for administrative use but reserves the right to do so in future years. See Table 4 for a summary of the total capitalization grants, administrative allowance used and the remaining banked authority.

Table 4. Banked Authority for Administrative Uses

Total federal grants requested through SFY21	**$285,779,962**
Allowable administrative funds through SFY21 (4% of total grants)	**$11,431,198**
Total set-aside funds utilized through SFY20	**$9,054,343**
Total set-aside funds reserved through SFY20	$2,376,855
Total set-aside funds reserved in SYF21	$380,280
Total set-aside reserved through SFY21	**$2,757,135**

Program and Non-Program Income

In SFY21, program income is estimated to total $47,535 (0.5% of the capitalization grant award of $9,507,000). Program income is defined at 40 CFR 31.25(b) as "gross income received by the grantee or subgrantee directly generated by a grant supported activity or earned only as a result of the grant agreement during the grant period."

Non-program income is estimated based on the difference between total anticipated deposits to the ACWF Fee Account less the program income. Based on all pending SFY21 repayments, fees collected would total $691,555 in SFY21. However, as noted previously, ADEC anticipates that repayment deferrals may be requested through the end of the 2020 calendar year due to economic hardships associated with the pandemic. If all borrowers with repayments due during the remainder of 2020 request repayment deferral, the fees collected would total $378,898. Based on this conservative assumption of potential repayment deferrals, non-program income is estimated at $331,363 (ACWF Fees of $378,898 less the program income of $47,535).

CRITERIA AND METHOD FOR FUND DISTRIBUTION

Project Priority List

For a project to be considered for funding from the ACWF, it must be included in the State's PPL of CWSRF projects. The process is initiated when an eligible applicant completes a project questionnaire through the ADEC Online Application System (OASys).

In an effort to make loan funds more accessible, and to facilitate prioritization of construction-ready projects, ADEC implemented a revised schedule for questionnaire submittal beginning in January 2018. Questionnaires are now accepted year-round through OASys rather than during one or two limited solicitation periods during the year. Newly submitted questionnaires are reviewed by a scoring committee on a quarterly basis. The submittal deadlines for questionnaire reviews are: February 28, May 31, August 31, and November 30. A letter was sent to eligible applicants in January 2020 providing information about the schedule and inviting submittal of project questionnaires to be considered for SFY21 funding assistance.

The project scoring committee, made up of representatives from the SRF Program, as well as the ADEC Drinking Water, Wastewater, Source Water Protection, and Nonpoint Source Programs, evaluates the project questionnaires based on the CWSRF criteria and assigns a numeric score to

each project. The SFY21 rating criteria for both point source and nonpoint source projects are provided in Appendix 1. Projects are added to the PPL in rank order.

Based on the financial data provided in Table 1, approximately $57 million is currently available for new loans. Because the total available funding exceeds the total need identified in the first quarter SFY21 questionnaire submittal, all projects on the first quarter PPL will be eligible to submit applications immediately.

Amendments to the Project Priority List

ADEC will amend the funding list to include additional projects after each quarterly review and scoring of new project questionnaires. In the second, third and fourth quarters of SFY21, any projects reviewed and scored will be added to the PPL in ranked order. The amended funding list will be publicly noticed for 10 days.

Project Readiness Bypass Procedures

When available funding exceeds demand, ADEC awards funding to ready-to-proceed projects without regard to project score or ranking because the Program has sufficient funds to finance all projects. This ensures timely utilization of federal funds.

In the event the SRF Program does not have sufficient funds available to offer loans to all projects that are ready to proceed, ADEC will work with water systems with the highest ranked projects on the PPL to ensure that those projects are given a chance to be funded first. However, the final funding selection of projects from the PPL will be based primarily on the projects' readiness to proceed. Projects that are ready to proceed are prepared to begin design and/or construction and are immediately ready, or poised to be ready, to execute a loan agreement with ADEC. If, for whatever reason, an applicant is not ready to proceed with completing a loan application and initiating a project, the ADEC may select a lower ranking project for funding based on its ability to proceed in a timely manner. This bypass procedure is necessary to ensure that the available funds will be disbursed in a timely manner.

ADEC reserves the right to fund lower priority projects over higher priority projects if in the opinion of ADEC, a higher priority project has not taken the steps necessary to expeditiously prepare for funding and project initiation (e.g., ADEC has not received the required documents to execute a loan agreement, the project is not ready to proceed with construction, or the applicant withdraws the project for consideration).

In addition, a project may be bypassed as necessary for the state to meet federal grant requirements for equivalency and additional subsidy. In the event that two or more projects have the same ranking, preference will be given to projects with the following criteria and in this order: ready to proceed; response to a compliance or legal order with a specific deadline; and inclusion of a Green component.

Emergency Procedures

For purposes of the SRF Program, an emergency refers to a natural disaster or manmade disaster that damages or disrupts normal public water system operations and requires immediate action to protect public health and safety. Upon issuance of an emergency declaration by a federal or state emergency response official, or upon a finding by ADEC, funds may be made available for

projects not currently described in an IUP. Bypass procedures may be waived under direct threat of severe public or environmental harm. Reasonable efforts to fund projects in priority order will still be followed under emergency situations.

Removing Projects from the Project Priority List

Projects on the PPL will be monitored to ensure that applicants are proceeding with their projects in a timely fashion. A project may remain on the PPL for a maximum of two years (eight quarters). Projects will retain the same score originally assigned unless a revised questionnaire is submitted and reviewed by the project scoring committee. If an application has not been submitted for a project within eight quarters, the project will be removed from the list and a new questionnaire will be required to relist the project.

FUNDING ALLOCATIONS

Each year, ADEC identifies funding levels for Green Project Reserve and additional subsidization based on administrative and funding requirements.

Green Project Reserve (GPR)

The FFY20 capitalization grant requires ADEC to use at least 10% of the grant for eligible projects as specified by the 2012 EPA Green Project Reserve Guidance. Alaska's required SY21 GPR amount is $950,700. To incentivize borrowers to include such aspects in their projects, ADEC awards 25 additional points in the project questionnaire scoring process for eligible GPR work. GPR projects are listed on the PPL by green project type: green infrastructure; water or energy efficiency improvements; or other environmentally innovative activities.

At the time this IUP was drafted, three projects have been initially identified to satisfy the federal grant GPR requirement (see Table 5). These projects will be further reviewed during the loan application process to ensure that each project, in whole or in part, qualifies for the GPR. Applicants will be required to provide to ADEC a Green Project Assessment form with applicable backup documentation

As necessary, ADEC will seek out other potential GPR eligible projects not initially listed in the IUP, which meets GPR project eligibility, to make up any shortfall in meeting the current year's GPR requirements.

Table 5. SFY21 GPR Projects

Applicant - Project Name	Loan Request	Green Component
Haines Wastewater Treatment Plant Phase 4 Electrical Upgrades	$1,000,000	$330,800
Anchorage Water and Wastewater Utility SFY21 Pro Fi Projects	$15,000,000	$2,650,000
Golden Heart Utilities Wastewater Treatment Facility Water Main Installation and Process Water Piping Replacement	$1,450,656	TBD

Additional Subsidy – Disadvantaged Community Assistance

Under the FFY20 federal capitalization grant, a minimum of 10% of the grant must be offered in the form of additional subsidy for any project or borrower. An additional 30% of the grant may be offered as subsidy for projects that meet specific criteria.

A utility is considered disadvantaged if it meets one or more of the following criteria:

- Median Household Income (MHI) is less than the state average MHI that is currently published by the Alaska Department of Labor and Workforce Development, Research and Analysis.
- Rate of unemployment is above the state average unemployment rate that is currently published by the Alaska Department of Labor and Workforce Development, Research and Analysis.
- The five year population trend for the community is outside the range defined by the state five year population trend, plus or minus 5%. Data is provided from the Alaska Department of Labor and Workforce Development, Research and Analysis Section.
- The activity to be carried out in an economically distressed area as described in section 301 of the Public Works and Economic Development Act of 1965 (42 U.S. Code 3161).

Subsidy funding will be awarded to disadvantaged entities proposing traditional projects according to overall project ranking on the PPL, from highest to lowest, until all funding is utilized. ADEC will offer borrowers that meet the disadvantaged community criteria subsidy of 50% of the total project costs, up to a cumulative maximum of $500,000 per utility. The PPL prepared for the first quarter of SFY21 shows that the minimum subsidy requirement has been met and exceeded with 24% of the FFY21 capitalization grant allocated as subsidy for traditional wastewater projects.

Subsidy allocations for Micro Loan projects will range from 50% to 90% of the total project cost. No new Micro Loan projects were proposed for the first quarter PPL (Appendix 2); however, if additional Micro Loan projects are proposed during subsequent updates to the PPL during the rest of SFY21, principal forgiveness will be offered to each Micro Loan project. The amount of subsidy offered will be determined based on the community's capacity as demonstrated by the Operation and Maintenance Best Practices score and the affordability of the utility's current user rates. The Operation and Maintenance Best Practices is a criteria developed in 2015 by the ADEC Facilities Programs in collaboration with the Rural Utility Business Advisor Program and the Alaska Native Tribal Health Consortium. The Best Practices criteria is used to assess operations and maintenance capacity of rural water and wastewater utility.

In 2018, ADEC developed an affordability indicator for use in determining whether a community's users can afford the annual operation, maintenance, repair, equipment and capital replacement costs of their water, wastewater, or solid waste facilities. This Alaska Village Rate Affordability Index (Figure 1) will be used as a factor in determining the amount of subsidy to be allocated to Micro Loan projects.

Projects that are initially identified to receive principal forgiveness must meet the following milestones in order to retain eligibility of subsidy:

- Submit a loan application within six months of the project being listed on the PPL; otherwise, subsidy funds may be made available to the next highest ranked eligible project.
- Initiate design and/or construction of the project within one year of completion of a loan agreement; otherwise, the loan agreement may be amended to remove principal forgiveness.

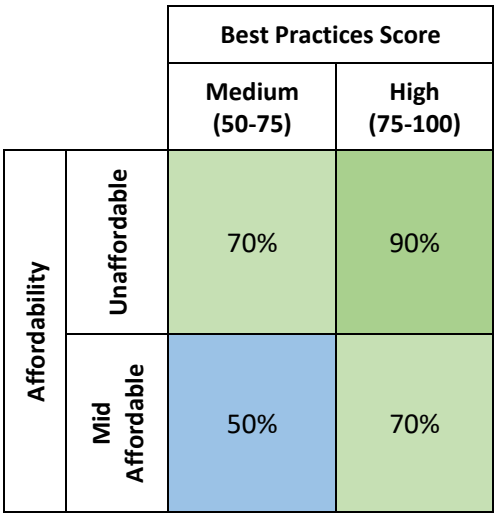

Figure 1. Micro Loan Subsidy Matrix

Any uncommitted subsidies that exist after one year of publication of the IUP will be distributed to projects with existing subsidies, or to those projects which are the furthest along in completion of construction. The SRF Program will aim to allocate required subsidy as quickly as reasonably possible; all required subsidy will be allocated within three years of the grant award to ensure compliance with the federal grant conditions.

PROGRAM ADMINISTRATION

Loan Terms and Interest Rates for Eligible Projects

ADEC adopted revisions to the finance charge calculations in 18 AAC 76 on September 10, 2017. The revised regulations modified the calculation of finance charges to reflect current market trends based on the Bond Buyer's Municipal Bond Index, as shown in Table 6. The revised regulations also increase the allowable financing term from 20 years to 30 years.

Table 6. Finance Rates (effective September 10, 2017)

Loan Term	Finance Rate for any Bond Rate* Less than 4 %	Finance Rate for Bond Rate* Greater than 4 %
20-30 Years	2	2 + (0.75 x (Bond Rate* – 4))
5-20 Years	1.5	1.5 + (0.625 x (Bond Rate* – 4))
0-5 Years	1	1 + (0.5 x (Bond Rate* – 4))

*Bond Buyer's Municipal Bond Index Current Day – Yield to Maturity

ASSURANCES AND SPECIFIC PROPOSALS

The Operating Agreement specifies numerous conditions that must be met. Each capitalization grant typically contains additional conditions that must be met. ADEC is committed to being in compliance with all conditions in both the operating agreement and capitalization grant.

Expeditious and Timely Expenditure

ADEC will enter into binding commitments to provide assistance in an amount equal to 120% of the FFY20 federal capitalization grant within one year after receipt of the grant payment. The PPL includes an estimated date for the beginning of construction for each project to indicate a proposed project schedule.

Additionally, to assure expeditious and timely expenditure of funds, ADEC continues to require that applicants initiate the project within one year of execution of the loan agreement and submit the first disbursement request within two years of execution of the loan agreement. If either condition is not met, ADEC may take action to recall the loan; however, an extension may be granted upon an applicant's request, if there is reasonable justification.

Federal Equivalency Requirements

Per EPA's Standard Operating Procedures for the CWSRF, specific requirements, often referred to as federal equivalency requirements, apply only to a subset of loans equal to the amount of the capitalization grant, rather than to all loans funded by the SRF Program. In SFY21, ADEC intends to take full advantage of the flexibility offered by equivalency to reduce the burden of the federal grant conditions, listed above, for most applicants. For SFY21, the Anchorage Water Wastewater Utility (AWWU) Pro Fi loan will be required to meet all federal grant conditions.

For the CWSRF, these specific equivalency requirements are:

- Architectural and engineering (A/E) services procurement
- Disadvantaged Business Enterprises (DBE)
- Federal cross-cutters
- Signage to enhance public awareness of SRF assistance agreements
- Single Audit
- Federal Funding Accountability and Transparency Act (FFATA)

Architectural and Engineering Services Procurement

Loan recipients identified by ADEC as equivalency projects are required to procure architectural and engineering (A/E) services in accordance with federal requirements found in Chapter 11 of Title 40 U.S. Code. These services include, but are not limited to: program management, construction management, feasibility studies, preliminary engineering design, engineering, surveying, mapping, and architectural-related services. ADEC includes provisions addressing the requirements in funding agreements for equivalency projects.

Disadvantaged Business Enterprise (DBE)

Loan recipients and their contractors must comply with the federal DBE requirements throughout the life of equivalency projects.

Federal Cross-cutters – Environmental Review

At a minimum, CWSRF projects funded to an amount equal to the federal capitalization grant must comply with the federal cross cutter laws including the environmental cross cutters.

Signage to Enhance Public Awareness

To enhance public awareness of EPA assistance agreements in Alaska, ADEC posts detailed project notices on the following ADEC web site: https://dec.alaska.gov/water/technical-assistance-and-financing/state-revolving-fund/project-posting-notices.

Single Audit

Borrowers who have received federal funds through ADEC's SRF Program may be subject to the requirements of the Single Audit Act and 2 CFR 200. ADEC monitors borrowers' compliance with those requirements in an amount equal to the capitalization grant.

Federal Funding Accountability Transparency Act (FFATA)

FFATA reporting requirements apply in an amount equal to the capitalization grant. ADEC will report loans with a dollar value equaling the most recent federal capitalization grant award to comply with FFATA requirements. Information will be reported no later than the end of the month following the date of the finalized loan agreement.

Additional loans may be identified to include all federal requirements (including those associated with equivalency) to ensure that the ADEC has sufficient projects to report for FFATA in case any projects fail to fully disburse the loan amount as initially planned.

ADDITIONAL INFORMATION / REQUIREMENTS

American Iron and Steel

All recipients of SRF funding for wastewater and stormwater facility construction projects must meet the American Iron and Steel (AIS) requirements. Projects may use only specific iron and steel produced in the United States. ADEC includes provisions addressing the AIS requirements in all funding agreements.

Cost and Effectiveness Certification

In accordance with amendments to Section 602(b)(9) of the CWA effective June 10, 2014, funding recipients are required to submit a certification, signed by a professional engineer, stating that a cost and effectiveness study has been completed.

Davis-Bacon Act Wages

ADEC will require borrowers to include specific EPA Davis-Bacon language in bid specifications and contracts for all treatment works projects and will confirm that these contracts include the correct wage determinations. In addition, ADEC will collect certifications of Davis-Bacon compliance via online project quarterly report statements.

Environmental Review

All CWSRF-funded projects involving the construction of treatment works, regardless of the source of the funding (e.g. capitalization grant, prior year appropriations, state match, interest earnings, principal repayments, etc.), must undergo an environmental review in conformance with the EPA-approved State Environmental Review Process (SERP).

Federal Reporting

EPA's Clean Water Benefits Reporting (CBR) database collects project level information and anticipated environmental benefits associated with the CWSRF projects, while the CWSRF National Information Management System (NIMS) produces annual reports that provide a record of progress and accountability for the SRF Program. EPA uses the information provided to oversee the CWSRF State programs and develop reports to the US Congress concerning activities funded by the CWSRF program. ADEC commits to entering benefits information on all projects into CBR by the end of the quarter in which the assistance agreement is signed. ADEC also commits to entering all program information into NIMS on an annual basis as EPA requests.

Generally Accepted Accounting Principles

Amendments to Section 602(b)(9) of the CWA, effective June 10, 2014, require States to have loan recipients maintain project accounts per Generally Accepted Accounting Principles as issued by the Governmental Accounting Standards Board. This provision requires assistance recipients to use standards relating to the reporting of infrastructure assets. ADEC includes this information in the loan agreements and reviews compliance annually during Single Audit reviews.

Fiscal Sustainability Plans

The CWA requires CWSRF loan recipients for publicly owned treatment works (POTW) projects to develop and implement a Fiscal Sustainability Plan (FSP) that includes the following minimum elements:

- An inventory of critical assets that are part of the system;
- An evaluation of the condition and performance of the critical assets;
- A plan to maintain, repair and replace the critical assets and to fund those activities; and
- A certification that the assistance recipient has evaluated and will be implementing water and energy conservation efforts as part of the plan.

Applicants can self-certify that the FSP, or its equivalent, has been developed and implemented prior to the final disbursement for the project.

Sustainability Policy

ADEC is committed to promoting sustainable design and management of wastewater utilities and clean water resources. Projects that meet ADEC's sustainability criteria are eligible for up to 50 bonus points in the priority ranking system.

PUBLIC REVIEW AND COMMENTS

A notice of the draft IUP was provided to all potential borrowers who submitted a project questionnaire and published in the Anchorage Daily News on May 31, 2020. The notice was also posted on the ADEC Public Notice website. The draft IUP was available on the ADEC SRF Program website throughout the 30 day public comment period. Interested parties were invited to review the IUP and submit written comments within 30 days.

The EPA provided review comments on the draft document. No other comments were received.

Appendix 1

Alaska Clean Water Fund
Point Source and Nonpoint Source Projects
Priority Criteria for SFY21

Alaska Clean Water State Revolving Fund – State Fiscal Year (SFY) 21
Priority Criteria for Point Source Projects

	PUBLIC HEALTH CONSIDERATIONS (only one):	Points
1	This project will correct the cause of a human disease event documented by ADEC or a recognized public health organization. Documentation required to receive 350 points. *Examples:* *Outbreaks of Hepatitis, Giardiasis or Cryptosporidiosis.* *Upgrading facilities to meet new EPA/ADEC regulations or resolve violation(s) of a wastewater permit with short term compliance deadline (≤ 1 year).* *Installation of new sewer mains in an area where there is documented well contamination resulting from sewer main leaks.*	350
2	This project will correct conditions severe enough that a disease event may occur, although an event may have not yet been reported. *Examples:* *Violations of a wastewater permit with longer term compliance deadlines (> 1 year).* *Documented failure of on-site disposal systems.* *Correction of documented I&I issues that prevent the WWTP from meeting permit limits.* *Construction to address documented surface water contamination violation.*	300
3	This project will minimize public health threats where the potential for a disease event exists. *Examples:* *Correction of documented issues with a high potential to violate a wastewater permit condition.* *Replacement of pipes or facilities that are documented as leaking or constructed of inferior materials (example - asbestos cement pipe, structurally impaired lift station wet well).* *Improvements to a collection system prone to freeze-up.* *Installation of new sewer mains to an area that is currently served by on-site systems and, has a high potential of regulated contaminants exceeding safe standards.*	200
4	This project will minimize potential future public health problems. There is no current threat of a disease event. *Examples:* *Replacement of collection system components that are at end of life, but no documentation of significant failure* *Wastewater Treatment Facility upgrades to increase capacity and/or replace obsolete equipment that is not related to a permit violation correction.* *Improve system security, such as fencing, remote monitoring, access cards, etc.* *SCADA upgrades, backup power to a critical system component*	100
5	This project will not address any significant health related issues. *Examples:* *Sewer main alignment changes (rerouting mains that have little to no improvement on operation).* *Sewer main expansion for future development.* *Wastewater treatment plant or collection system studies, unless required by compliance conditions.* *Master Plans, backup power to a tangential facility*	0
	WATER QUALITY CONSIDERATIONS (only one)	
1	This project will correct a documented pollution event in a:	
	Non-303(d) listed Water Body	250
	303(d) Category 4a Listed Water Body (impaired with final/approved Total Maximum Daily Load (TMDL)	240
	303(d) Category 4b Listed Water Body (impaired with other pollution controls)	230
	303(d) Category 4c Listed Water Body (impairment not caused by a pollutant, e.g., invasive species, flow modifications)	230
	303(d) Category 5 Listed Water Body (Impaired, requires TMDL)	220
2	Current conditions are severe enough that a pollution event can occur; however one has not been reported or documented. This project will correct a problem in a	
	Non-303(d) listed Water Body	230
	303(d) Category 4a Listed Water Body (impaired with final/approved TMDL	220
	303(d) Category 4b Listed Water Body (impaired with other pollution controls)	210
	303(d) Category 4c Listed Water Body (impairment not caused by a pollutant, e.g., invasive species, flow modifications)	210
	303(d) Category 5 Listed Water Body (Impaired, requires TMDL)	200
3	This project will minimize the potential for future pollution events.	100
4	This project has minimal impact on future pollution events.	0

Alaska Clean Water State Revolving Fund – State Fiscal Year (SFY) 21
Priority Criteria for Point Source Projects

RECEIVING WATERS (Only one) – This project addresses the following adverse impacts to receiving waters:		
1	Direct impacts to surface water or groundwater	10
2	Direct impacts to marine waters or estuaries	5
3	Indirect impacts to surface water or groundwater	5
4	This project will not address adverse impacts to receiving waters.	0
PROJECT READINESS (Only one)		
1	This project will complete work that has already begun construction and has an environmental review completed by the ADEC SRF Program. Documentation is required.	50
2	Engineering plans and specifications have been approved by the ADEC Engineering Support and Plan Review (ESPR) Program. Documentation is required.	40
3	Substantial engineering plans and specification (at least 65% complete) have been prepared and provided to ADEC ESPR Program. Documentation is required.	30
4	A feasibility study, facility plan and/or set of engineering plans and specifications (at least 35% complete) have been prepared and are attached. Documentation is required.	20
5	An up-to-date comprehensive study, master plan, and/or a current project cost estimate has been prepared and is attached. Documentation required.	10
6	No project development has been accomplished.	0
FUNDING COORDINATION (Only one)		
1	This loan will be used to match other state or federal funds, or this project will be coordinated with another municipal/state/federally funded project, e.g. DOT road construction. Documentation is required to identify each funding source.	15
2	Other funding sources have not been identified.	0
ABILITY TO REPAY (Only one)		
1	The source, amount and year of repayment funds has been identified and are available now. This does not include anticipated funds from future year funding or appropriations. Documentation required.	10
2	Repayment funds have not yet been identified.	0
SUSTAINABILITY PROJECTS (Only one)		
1	Fix it First Projects – These are projects currently located in an established area which is still suitable for use and should be encouraged over project in undeveloped areas. The repair, replacement and upgrade of infrastructure in these types of areas are encouraged.	50
2	Effective Utility Management – Plans, studies and projects that improve the technical, managerial and financial capacity of assistance recipients to operate, maintain and upgrade their infrastructure. Improved stewardship of the existing infrastructure will help improve sustainability and extend the useful life of the system.	25
3	Planning – Preliminary planning, development of alternatives, and capital projects that reflect the full life cycle cost of infrastructure, conserve natural resources or use alternative approaches to integrate natural systems in the built environment.	25
4	Not applicable.	0
OPERATOR CERTIFICATION (Only one)		
1	The system employs, or has on contract, an operator certified to the level of the system.	5
2	The system does not employ, or have on contract, an operator certified to the level of the system.	0
AFFORDABILITY CRITERIA (Only one)		
1	Loan cost to population benefitting ratio:$0 - $400 per person	15
2	Loan cost to population benefitting ratio: 400 - $4,000 per person	10
3	Loan cost to population benefitting ratio:> $4,000 per person	5
GREEN PROJECT (Determined by ADEC)		
	The applicant has sufficiently demonstrated eligible Green components under the project.	25

Alaska Clean Water State Revolving Fund - Priority Criteria for SFY21 Nonpoint Source Projects

WATER QUALITY CONSIDERATIONS (only one)		
1	PROTECTION: This project's main emphasis is prevention of nonpoint source pollution in a:	
	Non-303(d) listed Water Body	100
	303(d) Category 4a Listed Water Body (impaired with final/approved Total Maximum Daily Load (TMDL)	90
	303(d) Category 4b Listed Water Body (impaired with other pollution controls)	90
	303(d) Category 4c Listed Water Body (impairment not caused by a pollutant, e.g., invasive species, flow modifications)	90
	303(d) Category 5 Listed Water Body (Impaired, requires TMDL)	90
2	RESTORATION: The goal of the proposed project is to restore water quality in a water body identified as impaired or polluted in the most recent 303(d) list. This project implements a TMDL or load allocation, or otherwise addresses a water quality problem that has resulted in a water body designated as impaired in a :	
	Non-303(d) listed Water Body	100
	303(d) Category 4a Listed Water Body (impaired with final/approved TMDL	90
	303(d) Category 4b Listed Water Body (impaired with other pollution controls)	90
	303(d) Category 4c Listed Water Body (impairment not caused by a pollutant, e.g., invasive species, flow modifications)	90
	303(d) Category 5 Listed Water Body (Impaired, requires TMDL)	80
3	STEWARDSHIP: The proposed project will improve or maintain water quality in a: Non-303(d) listed Water Body	100
4	This project has minimal impact on future pollution events.	0
PROJECT READINESS (Only one)		
1	Engineering documents have been completed. Documentation is attached.	25
2	Preliminary engineering documents have been completed. Documentation is attached.	20
3	Key planning document(s) (such as TMDL, Corrective Action plan, Comprehensive Plan) have been completed. Documentation is attached.	15
4	A feasibility study that demonstrates the need and costs for the project has been completed. Documentation is attached.	5
5	No action has been taken.	0
FUNDING COORDINATION (Only one)		
1	This loan will be used to match other state or federal funds. Documentation is required to identify each funding source.	15
2	Other funding sources have not been identified.	0
ABILITY TO REPAY (Only one)		
1	A viable repayment source has been identified. Documentation is attached.	10
2	Repayment funds have not yet been identified.	0
NONPOINT SOURCE STRATEGY IDENTIFIED PRIORITES - Coordination with Alaska Clean Water Five-Year Strategic Plan Goals - Determined by ADEC (Only one)		
1	Increase the amount known about Alaska's waters	10
2	Standardize how ADEC evaluates information for the purpose of listing and delisting a waterbody on the impaired waterbody list by developing listing methodologies and policy.	20
3	Increase of continue collaboration with other programs, agencies and community based organizations.	10
4	Restore waters that are impaired and keep them healthy once restored.	30
5	Conduct research on BMPs so that urban and industrial development sustains water quality.	20
6	Keep our waters clean – highlight and protect healthy waters that are at risk.	40
7	Keep our waters clean – Educate the public on water quality and smart practices to prevent pollution.	10
GREEN PROJECT (Determined by ADEC)		
	The applicant has sufficiently demonstrated eligible Green components under the project.	25

Appendix 2

SFY21 Project Priority List

Alaska Clean Water Fund - State Fiscal Year 2021 (SFY21) Project Priority List - 1st Quarter

Note: Available funding for SFY21 projects is $57 million.
(1) Subsidy is subject to change depending on the readiness of projects to proceed.
(2) Loan terms will be finalized when a loan agreement is offered. The finance rate will be based on a calculation identified in Alaska Administrative Code (18 AAC 76).
(3) Individual Pro Fi projects are reviewed and assigned a weighted score based on the total project cost. The overall score for the Pro Fi questionnaire is the sum of weighed scores for all of the Pro Fi projects.

Rank	Score	APDES Permit Number	Clean Water Needs Category	Applicant	Project Name and Description	Requested Loan Amount	Estimated Subsidy[1] (SFY20)	Estimated Subsidy[1] (SFY21)	Disadvantaged Community	Requested Loan Term [2] (years)	Green Project Amount (Type)	Sustainability Policy	Estimated Construction Start	Quarter Added to PPL
POINT SOURCE PROJECT QUESTIONNAIRES														
1	655	----	I	**Mile 8 Utilities, LLC**	**Leachfield Design and Construction** - Design and construct an aerated leachfield to eliminate point source discharge into an anadramous stream. Rehabilitate pretreatment works to ensure leachfield longevity.	$297,275		$148,863	X	20 to 30		Fix It First	6/1/2020	SFY21-Q1
2	645	2003-DB0096	III-B	**Sand Point**	**Sewer Upgrade** - Replace two lift stations that are at the end of their serviceable life. This will eliminate the need to manually pump out wastewater on a near daily basis. The lid on the settling tank will also be replaced.	$1,050,680	$500,000		X	5 to 20		Fix It First	7/1/2019	SFY19-Q3
3	315	AK0021385	I	**Haines Borough**	**Wastewater Treatment Plant Phase 4 Electrical Upgrades** - Replace and upgrade the electrical system in the wastewater treatment plant.	$1,000,000		$500,000	X	20 to 30	$330,800 (Energy Efficiency)	Fix It First	8/1/2020	SFY21-Q1
4	295	AK0023451	I	**Fairbanks**	**Golden Heart Utilities Wastewater Treatment Facility Water Main Installation and Process Water Piping Replacement** - Construct a new 10-inch water main to the Wastewater Treatment Facility and replace the failing process water system within the facility.	$1,450,656		$500,000	X	5 to 20	TBD (Energy Efficiency)	Fix It First	6/1/2020	SFY21-Q1
5	270	AK0021555	I	**Kodiak**	**Wastewater Treatment Plant Supervisory Control and Data Acquisition System (SCADA) Replacement**- Upgrade the wastewater treatment control system that has reached the end of its useful life.	$1,000,000		$500,000	X	5 to 20		Fix It First	7/1/2020	SFY21-Q1
6	265	AK0022551	IV-A	**Matanuska-Susitna Borough**	**Landfill Cell Maintenance Equipment, 7 year loan** - Purchase equipment used to compact waste, manage daily facility operations and maintain the facility in support of the containment of leachate to protect the aquifer.	$3,374,000			X	7				SFY19-Q3
7	265	AK0022551	IV-A	**Matanuska-Susitna Borough**	**Landfill Cell Maintenance Equipment, 10 year loan** - Purchase equipment used to compact waste, manage daily facility operations and maintain the facility in support of the containment of leachate to protect the aquifer.	$746,000			X	10				SFY19-Q3
8	203[3]	AK0022551	I, III-A, III-B	**Anchorage AWWU**	**SFY21 Pro Fi Questionnaire** - The applicant has provided a list of eligible projects including planning, design, engineering, and construction activities for wastewater infrastructure projects (see attached list).	$15,000,000				20	$2,650,000 (Energy Efficiency)	Fix It First		SFY21-Q1
9	65	AK0021555	III-A	**Kodiak**	**Infiltration and Inflow (I&I) Assessment and Reduction -** Flow monitoring, flow data analysis and identification of areas with high I&I through closed-circuit television inspections and manhole inspections. Design only loan request.	$165,000			X	20 to 30			6/1/2020	SFY21-Q1
10	60	AK0021555	III-B	**Kodiak**	**Lift Station 5 and Force Main Replacement -** Prepare designs to replace the City's largest lift station that is 50 years old and has reached the end of its useful life. Design only loan request.	$350,000			X	20 to 30			2/1/2021	SFY21-Q1
11	35	AK0020010	IV-A	**Skagway**	**Klondike Highway Sanitary Sewer Extension** - Extend sanitary sewer to an unserved area.	$3,948,700			X	20 to 30			4/1/2021	SFY21-Q1
					POINT SOURCE SUBTOTAL	***$28,382,311***	***$500,000***	***$1,648,863***			***$2,980,800***			

Alaska Clean Water Fund - State Fiscal Year 2021 (SFY21) Project Priority List - 1st Quarter

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NONPOINT SOURCE PROJECT QUESTIONNAIRES														
1	160	---	VII	**King Cove**	**Landfill Cell Capping Closure** - Install a partial closure system as required by closure standards for a Class III municipal solid waste landfill found in Alaska Administrative Code (18 AAC 60.390) to stabilize slopes, minimize soil erosion, minimize water infiltration, and protect against the release of hazardous constituents to the environment.	$51,030	$25,515		X	20 to 30				SFY19-Q2
2	150	---	VII	**Cordova**	**Cordova Street Sweeper** - Procurement of a new street sweeper to replace the existing 30-year old equipment.	$275,000		$137,500	X	5 to 20				SFY20-Q4
3	140	---	VII	**Municipality of Anchorage**	**Anchorage Regional Landfill Cell 9A** - Procurement, construction and construction oversight of Cell 9A project to provide air space for management of municipal solid wastes. The project includes approximately 6 acres of liner including leachate and storm water collection and control systems.	$7,600,000				20 to 30				SFY19-Q4
4	100	---	VII	**Cordova**	**Mile 17 Landfill Equipment** - Purchase equipment improve stormwater mangement at the Mile 17 landfill. By removing snow accumulation and effectively compacting trash, the amount of stormwater penetration and the amount of leachate is reduced.	$1,120,000		$500,000	X	20 to 30				SFY21-Q1
					NONPOINT SOURCE SUBTOTAL	***$9,046,030***	***$25,515***	***$637,500***						
AMENDMENT TO EXISTING LOAN OR QUESTIONNAIRE														
		AK0022551	III-B	**Anchorage AWWU**	**Pump Station 12 Force Main-Interceptor C Gravity Junction Rehabilitation** - Loan Amendment to increase existing loan amount by $2,584,456. Project scope: Assess and rehabilitate the 45-year-old pump station, force mains, gravity junction box and the receiving 48-inch gravity sewer to meet current standards, enhance operation efficiency and provide continued service.	$2,584,456				20		Fix It First	12/3/2019	SFY20-Q1
		AK0021440	III-B	**Ketchikan**	**Schoenbar Road Utilities Replacement (Sewer)** - Loan amendment to increase existing loan amount by $2,125,057 (Loan #481151-S). Project scope: Replace approximately 2,200 feet of aging 8-inch to 12-inch sewer mains and 12 sewer manholes. Failing water mains in the same area will also be replaced under a separate Alaska Drinking Water Fund loan.	$2,125,057			X	20		Fix It First		SFY20-Q3
		AK0021458	III-B	**Petersburg**	**Scow Bay 1 Pump Station Upgrade** - Loan amendment to increase existing loan amount by $194,695. (Loan #685271) due to construction bids exceeding initial estimates. Project scope: Replace undersized pumps and increase inadequate wet well storage capacity with a prperly sized and rated submersible pump station that includes high efficiency pumps and controls.	$194,695			X	20		Fix It First		SFY20-Q4
		Pending	I	**Matanuska Susitna Borough**	**Matsu Septage and Leachate Treatment Facility** - Loan amendment to increase existing loan amount by $1,000,000 (Loan #561041) and amend project scope as follows: Design a new energy efficient septage and leachate facility to minimize septage and leachate costs and environmental impacts in the Matanuska-Susitna Valley. Additionally, this project will install a landfill leachate treatment facility.	$1,000,000			X	20		Effective Utility Management		SFY21-Q1
					LOAN AMENDMENT SUBTOTAL	***$5,904,208***	***$0***	***$0***						

Alaska Clean Water Fund - State Fiscal Year 2021 (SFY21) Project Priority List - 1st Quarter

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(2) Loan terms will be finalized when a loan agreement is offered. The finance rate will be based on a calculation identified in Alaska Administrative Code (18 AAC 76).
(3) Individual Pro Fi projects are reviewed and assigned a weighted score based on the total project cost. The overall score for the Pro Fi questionnaire is the sum of weighed scores for all of the Pro Fi projects.

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MICRO LOAN QUESTIONNAIRES														
1	420	AKG573035	III-B	**Noorvik**	**Utilidor Replacement Phase 2** - Replace approximately 300 linear feet of aboveground water and sewer utilidor. This project will include installing new aluminum rectangle utilidor insulation and adjustable supports.	$75,000	$52,500		X	< 5 years	---	Fix It First		SFY20-Q1
2	415	---	III-B	**Kotlik**	**Sewer Connections** - Renovate five sewer service connections by removing the arctic boxes and installing flexible service connections. Install a circulating pump and a through wall shut-off valve at each home.	$75,000	$37,500		X	< 5 years	---	Fix It First		SFY20-Q1
					MICRO LOAN SUBTOTAL	***$150,000***	***$90,000***	***$0***						
					TOTAL FUNDING REQUESTED (ALL CATEGORIES)	**$43,482,549**	**$615,515**	**$2,286,363**						

Alaska Clean Water Fund - State Fiscal Year 2021 (SFY21)
Programmatic Financing (Pro Fi) Projects

Applicant: Anchorage Water and Wastewater Utility
Loan Request: $15,000,000
Loan Term: 20 years

The Pro Fi questionnaire includes the following improvements included in AWWU's capital improvement plans for the wastewater utility.

Number	Project Name	Description
C-19-05b	King Street Septage Receiving Station	Design and construct upgrades to existing Septage Receiving Station with pretreatment equipment and increase user access. The pretreament equipment will prevent collection system from having sanitary sewer overflows
C-19-05c	King Street Warm Vehicle Storage	Design and construct a storage building to house equipment, necessary to operate and maintain the AWWU water and sewer infrastructure.
C-19-05e	King Street Main Building Upgrade	Design and construct various improvements to AWWU's King Street O&M Facility Administrative Building. Improvements include expanding and remodeling interior spaces and systems, and enclosing covered areas to increase the capacity, productivity, and efficiency of AWWU's support maintenance group.
C-19-07	Flower Park Glenn 4th Sewer Upgrade	Rehabilitate over 1,900 linear feet of 8-inch sewer pipe with multiple deficiencies including fractures, cracks, offsets and joint separations.
C-19-08	D-2-4 Trunk Improvements	Abandon in place approximately 1,100 feet of sewer main and add approximately 1,670 feet of new sewer main with a new alignment. In addition, provide access for maintenance vehicles to manholes along Chester Creek.
C-19-09	Pump Station 52 Improvements	Design and construct improvements to the pump station including, but not limited to, new wet well, dry valve vault, two pumps, check valves, pump controls, stand-by generator, and electrical upgrades.
C-19-10	AWWTF Storage	Design and construct additional warm storage for equipment, materials and sodium hypochlorite.
C-19-13	AWWTF Combined Heat and Power Conversion	Design and construct a combined heat and power systemfor the wastewater treatment facility.
C-19-14	AWWTF Raw Sludge Pumps	Design and replace the existing raw sludge pumps at the wastewater treatment facility.
C-20-03	Pump Station 2 Rehabilitation	Replace high voltage electrical system, aging and corroding piping, valves, control systems, and various site improvements for Pump Station 2.
C-20-04	King Street Campus Expansion	The expansion project will involve acquisition of approximately 6.86 acres of land adjacent to the existing King Street facility, the headquarters for AWWU's operations and maintenance activities. In addition to land acquisition, site improvements will include clearing, grading, backfilling, and fencing the property. In addition to the site improvement work, the Municipality of Anchorage requires AWWU to complete paved roadway improvements and water main extension within 94th Avenue from Gambell Street to the proposed land acquisition. Completion of this land purchase will allow the space required for needed expansion of operations including the construction of the warm storage facility and other needed improvements identified in the King Street Facility Plan.
C-20-05	King Street Fuel Storage Improvements	Relocate the existing fuel storage and dispensing system. This project will also streamline the traffic pattern within the facility.
C-20-07	Wastewater Master Plan	Update the Wastewater Master Plan used to guide system upgrades and expansion.
C-20-08	AWWTF Compressed Process Air System Rehabilitation	Design and install improvements to the compressed air system to replace components beyond their useful life.
C-21-01	Pump Station 7 Rehabilitation	Rehabilitate the pump station including: communications, HVAC, influent and discharge piping, as well as various safety provisions for operation and maintenance of the pump station, and wet well rehabilitation.
C-21-02	Pump Station 32 Rehabilitation	Rehabilitate the pump station including: communications, influent and discharge piping, as well as various safety provisions for operation and maintenance of the pump station, and wet well rehabilitation.
C-21-03	Downtown Sewer Rehabilitation Phase III (projects listed below)	
	Downtown Sewer Phase III, West.8th, N-P Street	Rehabilitate sewer main in downtown Anchorage.
	Downtown Sewer Phase III, M Street	Rehabilitate sewer main in downtown Anchorage.
	Downtown Sewer Phase III, West 2nd Avenue	Rehabilitate sewer main in downtown Anchorage.
	Downtown Sewer Phase III, D&E Street	Rehabilitate sewer main in downtown Anchorage.
	Downtown Sewer Phase III, H&I Street	Rehabilitate sewer main in downtown Anchorage.
	Downtown Sewer Phase III, C&D Street	Rehabilitate sewer main in downtown Anchorage.