

Alaska Clean Water Fund - State Fiscal Year 2022 (SFY22) Project Priority List - 4th Quarter Update

Note: Available funding for SFY22 projects is \$89.9 million.
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(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 Principal Forgiveness (SFY21) (1)	Estimated Principal Forgiveness (SFY22) (1)	Disadvantaged Community	Requested Loan Term (years) (2)	Green Project Category & Amount	Sustainability Policy	Estimated Construction Start	Quarter Added to PPL
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POINT SOURCE PROJECT QUESTIONNAIRES

1	655	----	XII	Mile 8 Utilities, LLC	Leach Field Design and Construction - Design and construct an aerated leach field to eliminate a point source discharge into an anadromous stream. Rehabilitate pretreatment works to ensure leach field longevity.	\$297,275	\$148,638		X	20 to 30		Fix It First	5/1/2021	SFY21-Q1
2	575	AK0021555	III-B	Kodiak	Lift Station 5 and Force Main Replacement - Design and replace the City's largest lift station that is 50 years old and has reached the end of its useful life.	\$5,400,000			X	20 to 30	Energy Efficiency \$1,211,500	Fix It First	8/1/2022	SFY22-Q4
3	520	AK0021440	III-B	Ketchikan	Water Street Sewer Main Replacement - Replace or rehabilitate existing sewer lines that have been determined to be significant contributors to inflow and infiltration at the Charcoal Point Wastewater Treatment Plan and also contribute to a general decline in water quality in the area.	\$3,900,000			X	20 to 30		Fix It First	7/1/2022	SFY22-Q4
4	440	AK0021474	III-B	Sitka	Thomsen Harbor Lift Station Rehabilitation - Fully rehabilitate a lift station in Sitka. This project may include the following: design and construction of new wet well and valve vault; replace pumps, valves and associated appurtenances; upgrade electrical system and SCADA controls; replace back-up generator; and install new hypochlorite system.	\$1,300,000			X	20 to 30	Energy Efficiency TBD	Fix It First	11/1/2021	SFY22-Q2
5	325	AK0021440	III-B	Ketchikan	Tongass Sewer Force Main Rehabilitation Phase II - Reconstruct a segment of aging force main. An in-situ rehabilitation technique called slip-lining has been proposed. This project would involve slip-lining approximately 1,250 feet or more of force main.	\$1,500,000			X	5 to 20	Energy Efficiency TBD	Fix It First	11/1/2021	SFY22-Q2
6	320	AK0022951	I	Juneau	Mendenhall Wastewater Treatment Plant (MWWTP) Influent Piping - Install new piping to bypass the now obsolete screening equipment located one floor above the rest of the treatment plant.	\$994,000				20 to 30	Energy Efficiency \$994,000	Fix It First	1/1/2022	SFY22-Q2
7	315	AK0021245	III-B	Homer	Beluga Sewer Lift Station Improvements - Reconfigure and rehabilitate the lift station to reduce corrosion and allow for greater ease of maintenance.	\$2,937,353			X	20 to 30	Energy Efficiency TBD	Fix It First	1/17/2022	SFY22-Q3
8	385	AK0021431	III-B	Valdez	Sewer Main Force Main Replacement - Replace Lift Station #1, replace 16-inch asbestos-cement sewer force main from Lift Station #1 to the wastewater treatment plant, replace the 8-inch sewer force main from Lift Station #3 to the treatment plant, and replace headworks at the treatment plant.	\$25,000,000			X	20 to 30		Fix It First	9/1/2021	SFY22-Q1
9	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	Energy Efficiency TBD	Fix It First	6/1/2020	SFY21-Q1
10	280	AK0021555	III-B	Kodiak	Aleutian Homes Phase VII Wastewater Main Replacement - Replace 65-year old asbestos concrete wastewater collection system.	\$2,600,000			X	20 to 30		Fix It First	5/11/2021	SFY21-Q3
11	270	AKG573004	III-B IV-A	Dillingham	Waterfront Wastewater System Upgrade (Design) - Complete design for the extension and rehabilitation of the existing wastewater collection system in the Dillingham waterfront area.	\$44,125			X	20 to 30		Effective Utility Mgmt	6/1/2021	SFY22-Q1
12	270	AKG573004	III-B IV-A	Dillingham	Waterfront Wastewater System Upgrade (Construction) - Based on the proposed design plan for the waterfront area, construct improvements including the extension of the wastewater system as well as rehabilitation of the existing collection system.	\$603,550			X	20 to 30		Effective Utility Mgmt	7/1/2021	SFY22-Q1
13	270	AK0020010	IV-A	Skagway	Waterfront Sewer Extension - Extend the collection system to waterfront properties for service to existing structures that are currently on septic systems and holding tanks.	\$2,187,500			X	20 to 30		Effective Utility Mgmt	4/1/2022	SFY22-Q1
14	270	AK0021245	IV-A	Homer	Mission Road Sewer Trunk Line - Install approximately 5,340 feet of 8-inch HDPE sewer trunk line pipe. This project would provide piped service to four homes located directly adjacent to the main and provide the opportunity to serve many more homes in nearby subdivisions.	\$1,493,506			X	20 to 30		Effective Utility Mgmt	1/17/2022	SFY22-Q2
15	270	AK0021245	IV-A	Homer	Sterling Highway Sewer Main Extension - Install approximately 1,400 feet of 8-inch HDPE sewer trunk line pipe. This project would provide piped service to about four homes located directly adjacent to the main and provide the opportunity to serve many more homes in nearby subdivisions.	\$265,740			X	20 to 30		Effective Utility Mgmt	12/1/2021	SFY22-Q2
16	270	AK0021245	IV-A	Homer	West Hill Road Sewer Trunk Line - Install approximately 17,320 feet of 8-inch ductile iron pipe and 2,250 linear feet of 3-inch force main. This project would provide piped service to about 75 homes located directly adjacent to the main and provide the opportunity to serve many more homes in nearby subdivisions.	\$2,937,353			X	20 to 30		Effective Utility Mgmt	1/17/2022	SFY22-Q2

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17	260	AK0021245	IV-A	Homer	Bunnell-Charles Way Sewer Main Extension - Extend the wastewater collection system to provide piped service to 23 developed central business district lots that currently use temporary service connections, holding tanks, or outhouses for sanitary service.	\$631,834			X	20 to 30		Effective Utility Mgmt	8/1/2021	SFY22-Q1
18	260	AK0021245	IV-A	Homer	Tasmania Court Sewer Main Extension - Provide piped sanitary sewer service to 11 lots. Eight of these lots are currently served with septic tanks and drain fields.	\$248,136			X	20 to 30		Effective Utility Mgmt	5/15/2021	SFY22-Q1
19	203 ⁽³⁾	AK0022551	I III-A III-B	Anchorage AWWU	SFY22 Programmatic Financing (Pro Fi) Loan - The applicant has provided a list of eligible projects including planning, design, engineering, and construction activities for wastewater infrastructure projects that may be financed through the SFY22 Pro Fi loan agreement (see attached Pro Fi project list).	\$18,500,000				20	Energy Efficiency \$2,450,000	Fix It First		SFY21-Q1
20	125			Seward	Lowell Point Lagoon Fence - Replace security fencing around wastewater treatment lagoon.	\$49,094								
20	115	2007-DB0003		Nome	Equipment Response / Storage / Office Facility - Construct a building to support sewer utility, amalgamate ancillary facilities, reduce operating costs, protect equipment, and improve health and safety of the work environment. The facility will also support the drinking water utility. The cost of construction would be split between the Alaska Clean Water Fund and the Alaska Drinking Water Fund.	\$5,025,000			X	20 to 30	Energy Efficiency \$1,000,000	Effective Utility Mgmt	1/17/2022	SFY22-Q2
21	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						\$81,313,822	\$148,638	\$500,000			\$4,444,000			

NONPOINT SOURCE PROJECT QUESTIONNAIRES

1	195	---	VII-F	Cordova	Piling Replacement and Waste Handling - Remove and replace approximately 135 creosote pilings in the South Harbor with steel pilings. Install a marine boat sewage pump station to allow boats to dispose of sewage and gray water.	\$2,000,000			X	20 to 30			1/2/2022	SFY22-Q1
2	160	---	VI-B	Homer	Baycrest Storm Drainage - Design and construct a system to capture and convey stormwater away from highly erodible bluffs. The project would include property acquisition as well as storm drain and retention basin construction in conformance with state and federal permitting requirements. Through the conveyance system, concentrated runoff may be used to generate hydroelectricity.	\$1,000,000			X	20 to 30	Environmental Innovation TBD		5/1/2022	SFY22-Q4
3	140	---	VI-B	Homer	Ben Walters Drainage Stormwater Treatment - Acquire 8.18 acres of private, undeveloped land adjacent to Beluga Lake. Design and construct storm drain and sediment control works in conformance with state and federal permitting requirements.	\$280,190			X	20 to 30	Environmental Innovation TBD		5/1/2022	SFY22-Q4
4	140	---	VI-B	Homer	Bishop's Beach Stormwater Pollution Control - Design and construct a system to channel untreated stormwater into a green infrastructure feature before discharge to Beluga Slough and Kachemak Bay. Project would include acquisition of 2.49 acres of land and construction of green infrastructure features in conformance with state and federal permitting requirements.	\$290,978			X	20 to 30	Environmental Innovation TBD		7/1/20200	SFY22-Q4
5	135	---	VII-J	King Cove	Landfill Cell Capping and Closure - Install a partial closure system as required by state regulations (18 AAC 60.390) to stabilize slopes, minimize infiltration of liquids and soil erosion, and protect against the release of hazardous constituents to the environment at the King Cove Landfill.	\$67,318			X	20 to 30			10/1/2021	SFY22-Q3
6	115	---	VI-B	Homer	Beluga Wetland / East Kachemak Drive - This project would involve the acquisition, or conservation easement designation, of 80 acres of wetland in a predominately industrial area to be used as a stormwater retention and treatment area. Design and construct storm drain and outfall in conformance with state and federal permitting requirements.	\$1,000,000			X	20 to 30	Environmental Innovation TBD		1/31/2022	SFY22-Q4
7	10	---	VII-J	Matanuska Susitna Borough	Landfill Gas Collection System - Install vertical wells in two closed cells to extract gas that will be burned with a flare. Proper management of the landfill reduces leachate quality issues.	\$2,420,000			X	5 to 20				SFY21-Q2
NONPOINT SOURCE SUBTOTAL						\$7,058,486	\$0	\$0						

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AMENDMENT TO EXISTING LOAN AGREEMENT

		---	I	Matanuska Susitna Borough	Central Landfill Cell 4 Design and Construction (Loan 561071) - Loan amendment to revise the scope of work for the existing loan agreement. The amended scope of work will include the purchase of equipment for Cell 4 maintenance and operations. Shredded material will be used for stormwater diversion, slope stabilization, and bedding and cover of leachate and gas collection pipelines. No additional loan funds are requested.	---			X	20				SFY22-Q1
	270	AK0021555	I	Kodiak	Wastewater Treatment Plant Supervisory Control and Data Acquisition System (SCADA) Replacement (Loan 503171-S) - Loan amendment to increase the loan amount by \$400,000 for a total loan amount of \$1,400,000. The scope of work remains unchanged from the original loan agreement and involves upgrading the wastewater treatment control system that has reached the end of its useful life.	\$400,000			X	20		Fix It First		SFY22-Q1
		AK0021440	III-B	Ketchikan	Schoenbar Road Utilities Replacement (Sewer) (Loan 481151-S) - Loan amendment to increase existing loan amount by \$2,125,057. Project scope will be modified to include the following: 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
		2007-DB0003	III-B	Nome	Nome Bering Street Sewer Improvements (Loan 627251-SG) - Loan amendment to modify the scope of the existing Bering Street loan agreement to include replacement of sewer lines along Seppala Drive. No additional loan funds are requested.	---			X	20				SFY22-Q1
		Pending	I	Matanuska Susitna Borough	Matsu Septage and Leachate Treatment Facility (Loan 561041) - Loan amendment to increase existing loan amount by \$1,000,000 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 Mgmt		SFY21-Q1
	655	---	XII	Mile 8 Utilities	Leach Field Design and Construction (Loan 125031) - Loan amendment to increase existing loan amount by \$228,712 and amend scope of work to include replacing pre-treatment lagoon liners.	\$228,712			X	20 to 30		Fix It First	4/1/2021	SFY22-Q2
	260	AK0021245	IV-A	Homer	Tasmania Court Sewer Main Extension - The loan request amount entered on the original questionnaire was increased to a total of \$287,692. This amendment adds \$39,556 to the anticipated loan request for this project. This project will provide piped sanitary sewer service to 11 lots. Eight of these lots are currently served with septic tanks and drain fields.	\$39,556			X	20 to 30		Effective Utility Mgmt	5/15/2021	SFY22-Q1
						\$3,753,769	\$0	\$0						

SUSTAINABLE INFRASTRUCTURE PLANNING PROJECT QUESTIONNAIRES

1	65	AK0021555	Plan & Assess	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.	\$165,000		\$75,000	X	5		Planning	6/1/2020	SFY21-Q1
2	60	AK0021385	Plan & Assess	Haines Borough	Haines Sanitary Sewer Inflow and Infiltration (I&I) Study and Master Plan - Due to documented sanitary sewer overloads during recent wet weather events, including December 2020, an I&I study is planned. In addition, the Master Plan requires an update.	\$500,000		\$75,000	X	5		Planning	6/1/2021	SFY22-Q1
3	60	AK0020036	Plan & Assess	Soldotna	Soldotna Utility Rate Study - Update the 2015 Rate Study to reflect current conditions and master plan considerations. The Rate Study will include both water and wastewater utility rates; the cost of the study will be split evenly between the Alaska Drinking Water and Clean Water Funds.	\$30,000		\$30,000	X	5		Planning	6/1/2021	SFY22-Q2
4	55	9725DB005	Plan & Assess	Bethel	Community-wide Utility System Expansion Preliminary Engineering Report and Environmental Assessment - Complete the planning documents necessary to estimate the cost to construct a wastewater collection system to serve over 2,000 households, commercial, and institutional connections. This planning document will address the construction of both water distribution and wastewater collection system with the cost split between the Alaska Drinking Water and Clean Water Funds.	\$100,450		\$75,000	X	5		Planning	3/22/2021	SFY22-Q1

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5	55	AKG573004	Plan & Assess	Dillingham	Wastewater Rate Study - Update the 2014 Rate Study to reflect current conditions and future planning considerations. The Rate Study will include both water and wastewater utility rates; the cost of the study will be split evenly between the Alaska Drinking Water and Clean Water Funds.	\$30,000		\$30,000	X	5		Planning	6/1/2021	SFY22-Q1
6	55	AKG573004	Plan & Assess	Dillingham	Wastewater Master Plan - Update the wastewater portion of the 2003 Water and Sewer Master Plan.	\$69,183		\$45,000	X	5		Planning	6/1/2021	SFY22-Q1
7	55	AKG572028	Plan & Assess	Ketchikan Gateway Borough	Borough Infiltration and Inflow (I&I) Study - Conduct study to identify locations in the collection system that result in highest I&I to enable prioritization of projects that minimize fluctuations in quantity of water entering the treatment plant.	\$100,000		\$75,000	X	5		Planning	10/1/2021	SFY22-Q1
SUSTAINABLE INFRASTRUCTURE PLANNING LOAN SUBTOTAL						\$994,633	\$0	\$405,000						

MICRO LOAN QUESTIONNAIRES

1	475	AK2250053	III-B	Unalakleet	Covenant Lift Station Rehabilitation and Septic Pumper Purchase - The purpose of this project is to rehabilitate a 45 year old lift station subject to freezing issues and sewage backups. Rehabilitation will include replacement of the heating and ventilation systems, overhead crane, safety grating, and electrical systems. A new septic pumper truck will also be purchased.	\$488,620		\$342,034	X	20		Fix It First		SFY20-Q2
2	310	AKG380006	III-B	Seldovia	Lift Station Pump Replacement - Purchase and install two new pumps in the Beach and Slough lift stations and purchase one additional pump to serve as backup in case one pump fails.	\$48,125		\$33,688	X	10	Energy Efficiency \$40,000	Fix It First		SFY22-Q1
3	275	AK2130067	III-B	Hoonah	Eagle Drive Sewer Improvements - Install approximately 1,305 linear feet of sewer main to a portion of Hoonah that does not currently have piped sewer service. Five existing homes will be connected with sewer service, and service will also be available to 11 additional residential lots.	\$252,291		\$176,604	X	1		Effective Utility Mgmt	10/1/2021	SFY22-Q2
MICRO LOAN SUBTOTAL						\$536,745	\$0	\$375,722				\$0		
TOTAL FUNDING REQUESTED (ALL CATEGORIES)						\$93,657,455	\$148,638	\$1,280,722				\$4,484,000		

EPA Needs Category Codes	I Clean Water Treatment - Secondary Treatment Plant III-A Clean Water Treatment - Infiltration/Inflow Correction	III-B Clean Water Treatment - Sewer System Replacement/Rehabilitation IV-A Clean Water Treatment - New Collector Sewers & Appurtenances	VI-B Green Infrastructure VII-F Nonpoint Source Resource Activity - Marinas	VII-J Nonpoint Source Resource Activity - Sanitary Landfills XII Nonpoint Source Resource Activity - Individual/Decentralized Systems
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Alaska Clean Water Fund - State Fiscal Year 2022 (SFY22)

Programmatic Financing (Pro Fi) Projects

Applicant: Anchorage Water and Wastewater Utility

Loan Request: \$18,500,000

Loan Term: 20 years

The SFY22 Pro Fi questionnaire includes the following improvements included in AWWU's capital improvement plans for the wastewater utility.

#	Project Name	Description
C-19-03	Downtown Sewer Rehabilitation Phase III (projects listed below) Downtown Sewer Phase III, C&D Street Downtown Sewer Phase III, West 8th, N-P Street Downtown Sewer Phase III, D&E Street Downtown Sewer Phase III, H&I Street Downtown Sewer Phase III, M Street Downtown Sewer Phase III, West 2nd Avenue	Rehabilitate sewer main in downtown Anchorage. The sewer mains are located within the streets noted below.
C-19-04	AWWTF Scum Pump & Inline Grinder	Make improvements to the scum handling system from the clarifiers to the incinerator. Improvements include piping, pumps, heating, insulation and controls.
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 pretreatment 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-19-05f	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-19-09	Pump Station 52 Improvements	Abandon and demolish existing sewage lift station and piping. Design and construct or install new sewage pump station, valve vault, wet well, sanitary sewer manholes, two pumps, check valves, pump controls, electrical upgrades, and standby generator. Temporary sewer bypass system will be used during construction. Existing utilities will be relocated within existing developed easements and right-of-way to accommodate work and provide better access.
C-19-10	AWWTF Storage	Add additional warm storage for equipment, materials and sodium hypochlorite at Asplund Wastewater Treatment Facility.
C-19-14	AWWTF Raw Sludge Pumps	Replace existing raw sludge pumps at Asplund Wastewater Treatment Facility.
C-20-25	Pump Station 2 Rehabilitation	Rehabilitate Pump Station 2 in order to reduce the risk of sanitary sewer overflows, emergency repairs. Replace high voltage electrical system, aging and corroding piping, valves, control systems, and various site improvements for Pump Station 2.
C-22-01	E 42nd Ave Upgrade - Sewer	To prevent sewer backups associated with bellies and damaged pipe, re-route a section of sewer main to a new alignment in a dedicated sewer easement within MOA right-of-way. The replacement sewer and manholes will be constructed on helical piles.
C-22-02	Pump Station 12 Force Main Interceptor C - Gravity Junction Rehab	Assess and rehabilitate Pump Station 12, force mains, gravity junction box, and the receiving 48-inch gravity sewer. The culverts that support the force mains for the Campbell Creek crossing will also be assessed and rehabilitated as part of the project.
C-22-03	Turpin Septage Receiving Station	Assess and rehabilitate the Turpin Septage Receiving Station.
C-22-04	W 72nd Ave Trunk Rehabilitation	Rehabilitate a corroded 15-inch corrugated metal sewer main. This project will either line with cured-in-place pipe or directly replace the failing pipe.
C-22-05	Wastewater Master Plan	Update the 25-year comprehensive plan for AWWU to maintain and modify sewer service for the Municipality of Anchorage. The plan describes the condition of the AWWU wastewater system, projects future wastewater needs, analyzes system deficiencies, recommends system improvements, and provides a schedule for implementation through the capital improvements program.