

Alaska Clean Water Fund - State Fiscal Year 2022 (SFY21) Project Priority List - 1st Quarter

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Rank	Score	APDES Permit Number	Clean Water Needs Category	Applicant	Project Name and Description	Requested Loan Amount	Estimated Subsidy ⁽¹⁾ (SFY20)	Estimated Principal Forgiveness (SFY21) (1)	Estimated Principal Forgiveness (SFY22) (1)	Disadvantaged Community	Requested Loan Term (years) (2)	Green Project Amount	Green Project Category	Sustainability Policy	Estimated Construction Start	Quarter Added to PPL
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POINT SOURCE PROJECT QUESTIONNAIRES

1	655	----	VII-M	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	605	AK0022497	I	Palmer	Wastewater Treatment Plant Facility Upgrades - Update the design and construct two new secondary clarifiers and associated processes including a flow splitter, scum pump station, and a waste activated sludge vault/pump station. Additional work for upgrades will include demolition, modifications to the existing lagoons, piping upgrades, new equipment installation, and subsidiary incidental work.	\$8,052,000				X	20 to 30			---	5/3/2021	SFY21-Q3
3	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
4	315	AK0021385	I	Haines Borough	Wastewater Treatment Plant Phase 4 Electrical Upgrades - Replace and upgrade the electrical system in the wastewater treatment plant.	\$640,952		\$320,476		X	20 to 30	\$330,800	Energy Efficiency	Fix It First	8/1/2020	SFY21-Q1
5	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
6	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
7	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
8	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
9	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
10	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
11	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
12	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
13	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).	\$11,500,000					20	\$2,450,000	Energy Efficiency	Fix It First		SFY21-Q1
14	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
15	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						\$58,554,728	\$0	\$969,114	\$500,000			\$2,780,800				

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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	100	---	VII-J	Cordova	Mile 17 Landfill Equipment - Purchase equipment to improve stormwater management 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				5/1/2021	SFY21-Q1
3	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						\$5,540,000	\$0	\$0	\$500,000							

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	5 to 20					SFY22-Q1
270	AK0021555		I	Kodiak	Wastewater Treatment Plant Supervisory Control and Data Acquisition System (SCADA) Replacement (Loan 503171-5) - 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	5 to 20			Fix It First		SFY22-Q1
	AK0021440		III-B	Ketchikan	Schoenbar Road Utilities Replacement (Sewer) (Loan 481151-5) - 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 Management		SFY21-Q1
340	AK0020010		III-A	Skagway	State Street Sanitary Sewer & Water Upgrade, Phase II (Loan 785031) - Loan amendment to increase the existing loan amount by \$3,003,331. Replacement of sewer mains and cleanouts, new sanitary sewer and water service connections, temporary asphalt pavement and concrete curb, gutter and sidewalk patches along State Street from 12th Street to Main Street.	\$3,003,331		\$300,000		X	20 to 30			Fix It First	4/1/2021	SFY21-Q4
\$6,528,388						\$0	\$0	\$300,000								

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. Design only loan request.	\$165,000		\$75,000		X	20 to 30				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	20 to 30			Planning	6/1/2021	SFY22-Q1
3	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 to 20			Planning	6/1/2021	SFY22-Q1

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4	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 to 20			Planning	6/1/2021	SFY22-Q1
6	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	20 to 30			Planning	10/1/2021	SFY22-Q1
SUSTAINABLE INFRASTRUCTURE PLANNING LOAN SUBTOTAL						\$864,183	\$0	\$0	\$300,000							

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 years			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 years	\$40,000		Fix It First		SFY22-Q2
MICRO LOAN SUBTOTAL						\$536,745	\$0	\$0	\$375,722			\$40,000				
TOTAL FUNDING REQUESTED (ALL CATEGORIES)						\$72,024,044	\$0	\$969,114	\$1,975,722			\$2,820,800				

- EPA Needs Code
- 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 and Appurtenances
 - VII-F Nonpoint Source Resource Activity - Marinas
 - VII-J Nonpoint Source Resource Activity - Sanitary Landfills
 - VII-M Nonpoint Source Resource Activity - Individual / Decentralized Systems

Alaska Clean Water Fund - State Fiscal Year 2022 (SFY22) Programmatic Financing (Pro Fi) Projects

Applicant: Anchorage Water and Wastewater Utility

Loan Request: \$11,500,000

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
Asplund Wastewater Treatment Facility Combined Heat and Power Conversion	Design and construct a combined heat and power system for the wastewater treatment facility.
Asplund Wastewater Treatment Facility Raw Sludge Pumps	Design and replace the existing raw sludge pumps at the wastewater treatment facility.
Asplund Wastewater Treatment Facility Scum Pump and Inline Grinder	Design and construct improvements to the scum handling system from the clarifiers to the incinerator. Improvements may include piping, pumps, heating, insulation and controls.
Asplund Wastewater Treatment Facility Storage	Design and construct additional warm storage for equipment, materials and sodium hypochlorite.
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.
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.
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.
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.
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.
King Street Fuel Storage Improvements	Relocate the existing fuel storage and dispensing system. This project will also streamline the traffic pattern within the facility.
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.
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.
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.
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.
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.
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.
Turpin Septage Receiving Station	Assess and rehabilitate the Turpin Septage Receiving Station.
W 72nd Ave Trunk Rehabilitation	Rehabilitate a 15-inch corrugated metal pipe sewer main that is failing due to corrosion. This project will either line with cured-in-place pipe or directly replace the failing pipe.