

Alaska Clean Water Fund - State Fiscal Year 2021 (SFY21) Project Priority List - 3rd Quarter

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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 anadromous 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	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
4	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
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	203 ⁽³⁾	AK0022551	I, III-A, III-B	Anchorage AWWU	SFY21 Pro Fi Loan - 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	130	AK0021385	I	Haines Borough	Wastewater Treatment Plant Phase 3 Filter Press Rebuild - Rebuild the current sludge press and purchase a new skid steer for moving sludge at the plant.	\$265,000				20 to 30		Fix It First	4/1/2021	SFY21-Q3
10	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
11	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
12	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						\$35,179,311	\$500,000	\$1,648,863			\$2,980,800			

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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 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				SFY21-Q1
5	10	---	VII	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						\$11,466,030	\$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 properly 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

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		AKG572019	III-B	Ketchikan Gateway Borough	South Tongass Wastewater Main Replacement - Shoup to Forest Park - Loan amendment (Loan #482021) to revise the scope of work to include an operational assessment of the Mountain Point Wastewater Treatment Plant to establish best management practices and standard operating procedures, including analysis of the SBR's capacity and digester chemistry to ensure the treatment plant continues to perform properly.	No increase in loan amount			X	20		Effective Utility Management		SFY21-Q2
LOAN AMENDMENT SUBTOTAL						\$5,904,208	\$0	\$0						

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	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
3	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						\$638,620	\$90,000	\$342,034						
TOTAL FUNDING REQUESTED (ALL CATEGORIES)						\$53,188,169	\$615,515	\$2,628,397						

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 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-19-07	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 system for 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.