

Alaska Drinking Water Fund - State Fiscal Year 2022 (SFY22) Project Priority List - 3rd Quarter Update

Note: The total available funding for SFY22 projects is \$63.8 million.

(1) Principal forgiveness is subject to change depending on the readiness of projects to proceed.

(2) Loan repayment 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 weighted scores for all of the Pro Fi projects.

Rank	Score	Public Water System ID# (Population)	Applicant	Project Name and Description	Requested Loan Amount	Estimated Principal Forgiveness ⁽¹⁾ (SFY19-21)	Estimated Principal Forgiveness ⁽¹⁾ (SFY22)	Disadvantaged Community	Loan Term ⁽²⁾ (years)	Green Project Amount (Type)	Sustain-ability Policy	Estimated Start Date	Quarter Added to PPL
DRINKING WATER PROJECT QUESTIONNAIRES													
1	210	AK222315 (180)	Home Water, LLC	Snowshoe Subdivision Main Line Leak Detection, Repair and Stabilization - Conduct an acoustic main line condition assessment to prioritize line replacements based on pipe condition. Repair identified leaks and rehabilitate valves. Install control system to monitor flows from each well to ensure blend ratio will result in arsenic concentrations below the Maximum Contaminant Level (MCL).	\$425,528		\$212,764	X	5 to 20	\$390,408 (Water)	Fix It First	7/15/2021	SFY22-Q2
2	141	AK2310926 (950)	Valley Water Company	Valley Water System Upgrade and Rehabilitation - Prepare a Water System Master Plan that will help to identify improvements needed to ensure that the system operates in compliance and enhance sustainability of the system. Improvements identified in the Master Plan may be implemented in a phased approach. Proposed improvements may include a water treatment system necessary to address high copper concentration in drinking water; rehabilitation or replacement of 50-year-old distribution system infrastructure including pumps, pipe, valves, and hydrants; installation of leak detection system; and installation of new backup generator.	\$825,000	\$412,500		X	5 to 20	\$350,000 (Energy)	Fix It First	5/1/2021	SFY21-Q4
3	125	AK2260197 (4,916)	Dillingham	Water System Improvements Phase II - Upgrade and rehabilitate the water distribution system including replacement of asbestos cement pipe with ductile iron pipe, elimination of dead ends, installation of additional hydrants, and rehabilitation or replacement of main valve boxes.	\$1,575,939		\$500,000	X	20 to 30	na	Fix It First	5/1/2021	SFY22-Q1
4	125	AK2260197 (4,916)	Dillingham	Water System Improvements Phase III - Upgrade and rehabilitate the water distribution system including replacement of asbestos cement pipe with ductile iron pipe, elimination of dead ends, installation of additional hydrants, and rehabilitation or replacement of main valve boxes.	\$1,383,600			X	20 to 30	na	Fix It First	5/1/2021	SFY22-Q1
5	121	AK2250011 (9,047)	Kodiak	Aleutian Homes Phase VII Water Distribution Lines Replacement - Replace approximately 2,600 feet of 65-year-old asbestos cement water main with ductile iron pipe. Other improvements may include service lines and appurtenances. Curb/gutter, sidewalk, and pavement impacted by the water line work will be replaced.	\$2,200,000		\$500,000	X	20 to 30	na	Fix It First	5/10/2021	SFY21-Q3
6	110	AK2240456 (5,810)	Homer	Mission Road Water Main Extension - This project will extend the water distribution system to provide piped public water to 28 residential properties and a private school with dormitories. The residential properties are currently served by private wells with poor quality water.	\$2,103,806			X	20 to 30	\$10,000 (Water Conservation - meters)	Effective Utility Mgmt.	9/30/2021	SFY22-Q2
7	110	AK2240456 (5,810)	Homer	West Hill Road Water Trunk Line - This project will extend the water distribution system to over 95 residential properties, all of which are served by private wells with poor quality water.	\$2,755,087			X	20 to 30	\$75,000 (Water Conservation - meters)	Effective Utility Mgmt.	4/1/2022	SFY22-Q2
8	101	AK2120193 (1,548)	Craig	Replace 5.5 miles of Raw Water Main - Inspect and replace approximately 5.5 miles of aging ductile iron raw water main that transmits raw water from North Fork Lake to the Craig water treatment plant.	\$2,900,000		\$500,000	X	5 to 20	na	Fix It First	7/15/2021	SFY22-Q1
9	96	AK2240757 (2,528)	Seward	SMIC Water Pumphouse Addition, Hypochlorite Generator System Upgrade - This project will include an addition to a pumphouse and upgrade the hypochlorite generator system to eliminate the use of chlorine gas.	\$476,000		\$238,000	X	20 to 30	na	Effective Utility Mgmt.	6/10/2021	SFY22-Q1

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10	85	AK2121510 (2,503)	Ketchikan Gateway Borough	South Tongass Water Utility Phase VI Ravenwood Tank - Design and construct a 100,000 gallon storage tank and booster pump station in Ketchikan including road improvements, power poles, piping and integration into existing control system.	\$1,600,000	\$500,000		X	5 to 20	na	Effective Utility Mgmt.	1/1/2020	SFY21-Q3
11	85	AK2240456 (5,810)	Homer	Bunnell-Charles Way Water Main Extension - Extend the water distribution system to provide piped public water to 27 central business district zoned properties, all of which currently are served by hauled water from City watering points.	\$509,167		\$225,690	X	20 to 30	na	Effective Utility Mgmt.	8/1/2021	SFY22-Q1
12	85	AK2240456 (5,810)	Homer	Tasmania Water Main Extension - This project will extend the water distribution system to provide piped public water to 11 Rural Residential zoned properties that are currently served by hauled water from City watering points or an onsite well.	\$469,874		\$162,081	X	20 to 30	na	Effective Utility Mgmt.	5/15/2021	SFY22-Q1
13	85	AK2240456 (5,810)	Homer	Sterling Highway Water Main Extension - This project will extend the water distribution system to provide piped public water to four residential properties that are currently served by private wells with poor water quality.	\$187,719			X	20 to 30	na	Effective Utility Mgmt.	11/1/2021	SFY22-Q2
14	84 ⁽³⁾	AK2210906 (297,483)	Anchorage AWWU	SFY22 Pro Fi Loan - The applicant has provided a list of eligible projects including planning, design, engineering, and construction activities for water infrastructure projects. A list of projects is attached.	\$18,736,000				20	\$500,000	Fix It First	8/1/2021	SFY22-Q1
15	81	AK2120143 (2,000)	Wrangell	Water Treatment Plant - Construct a dissolved air filtration with multimedia water treatment system and complete other related improvements including, but not limited to, electrical improvements, controls for fully automatic operation, pumps, standby generator, and fuel system. This loan would serve as required interim financing for a U.S. Department of Agriculture Rural Utilities Service loan.	\$3,821,000			X	< 5	\$1,428,000 (Water)	Effective Utility Mgmt.	8/2/2021	SFY21-Q3
16	80	AK2260197 (4,916)	Dillingham	Waterfront Water System Upgrades (Design) - Complete design for the extension and rehabilitation of the existing water distribution system in the Dillingham waterfront area.	\$44,125			X	20 to 30	na	Effective Utility Mgmt.	6/1/2021	SFY22-Q1
17	80	AK2260197 (4,916)	Dillingham	Waterfront Water System Upgrades (Construction) - Based on the proposed design plan for the waterfront area, construct improvements including the extension of the water system as well as rehabilitation of the existing distribution system.	\$560,050			X	20 to 30	na	Effective Utility Mgmt.	7/1/2021	SFY22-Q1
18	78	AK2340010 (3,600)	Nome	Equipment Response / Storage / Office Facility - Construct a building to support the drinking water utility, amalgamate ancillary facilities, reduce operating costs, protect equipment, and improve health and safety of the work environment. The facility will also support the sewer 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	\$1,000,000 (Energy)	Effective Utility Mgmt.	1/17/2022	SFY22-Q2
19	76	AK2250011 (9,047)	Kodiak	Contact Time (CT) Water Tank Improvements - Replace interior tank coating and repair/restore exterior tank coating for two existing 2.2 million gallon CT tanks at the water plant. In addition, remove existing tank baffles and associated hardware, re-install baffles as necessary, and complete any additional work required for Alaska Department of Environmental Conservation plan review approval.	\$2,500,000			X	20 to 30	na	Fix It First	3/1/2022	SFY21-Q3
20	46	AK2120193 (1,200)	Craig	Water Plant Contact Chamber Baffles - Install baffles in the existing 35,000-gallon chlorine contact chamber and the 165,000-gallon water storage tanks to achieve chlorine contact time more efficiently. Construct an additional 30,000-gallon baffled storage tank.	\$588,200	\$294,100		X	5 to 20	na	Effective Utility Mgmt.	7/29/2021	SFY22-Q1
21	8	AK2110601 (1,148)	Skagway	Klondike Highway Water Main Extension - This project will expand the water distribution system to provide municipal drinking water to a developed area that is currently served by private wells and septic systems.	\$3,292,000	\$500,000		X	20 to 30	na	---	4/1/2021	SFY21-Q1
SUBTOTAL					\$51,978,095	\$1,706,600	\$2,338,535			\$7,205,408			

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AMENDMENTS TO EXISTING LOANS													
		AK2340010 (3,600)	Nome	Bering Street Water Main Replacement - This amendment increases the loan amount (Loan #627241-SG) by \$1,051,012 for a total loan request of \$3,485,000. The project scope is also amended to include replacement of water mains in Seppala Drive due to a high rate of failure/leakage due to settlement from melting permafrost under the road. Replacement of the water mains will be completed in coordination with a roadway improvement project sponsored by the Alaska Department of Transportation and Public Facilities.	\$1,051,012			X	20		Fix It First		SFY22-Q1
		AK2120232 (8,050)	Ketchikan	Schoenbar Road Utilities Replacement (Water) - This amendment increases the loan amount (Loan # 481081-S) by \$5,973,779. The project scope is also amended to include replace approximately 1,400 feet of failing 36-inch ductile iron pipe that transmits raw water with 30-inch and 42-inch high density polyethylene (HDPE) pipe. The project will also replace approximately 1,300 feet of failing ductile iron and cast iron distribution lines with 8-inch to 20-inch HDPE pipe.	\$5,973,779	\$500,000		X	20		Fix It First		SFY20-Q3
		AK2211431 (852)	Unified Alaskan Utilities Homestead Service Area	Well Facility and Transmission Main - This amendment increases the loan amount (Loan #125001-S) by \$243,444 due to increases in cost since the original estimate was prepared in 2016 and to accommodate the construction of a larger well facility to facilitate anticipated future treatment needs.	\$243,444	\$121,722		X	20		Fix It First		SFY22-Q2
LOAN AMENDMENT SUBTOTAL					\$7,268,235	\$621,722	\$0						

SUSTAINABLE INFRASTRUCTURE PLANNING PROJECTS													
1	113	AK2271999 (1,450)	Bethel	Community-wide Water System Expansion Preliminary Engineering Report and Environmental Assessment - Complete the planning documents necessary to estimate the cost to construct a water distribution 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 systems with the cost split between an Alaska Drinking Water Fund and Alaska Clean Water Fund loan.	\$86,893		\$75,000	X	5	na	Planning	3/22/2021	SFY22-Q1
2	51	AK2120193 (1,200)	Craig	New Water Source Study - Review potential new sources of drinking water to serve as a backup source. The City currently has no backup water supply should some interruption occur in the main treatment and distribution facilities. This project will look for other local water sources, including incorporating water from the City's prior water source as a supplement to the existing water source.	\$100,000		\$75,000	X	5	na	Planning	7/15/2021	SFY22-Q1
3	50	AK2111566 (1,483)	Haines Borough	Haines Water System Master Plan - Prepare a master plan to establish a 5-year plan for capital improvement and maintenance projects, including prioritization of projects with a focus on water system infrastructure, treatment and storage facilities, public health compliance, and long range planning.	\$100,000		\$75,000	X	5	na	Planning	6/1/2021	SFY22-Q1
4	50	AK2241054 (3,807)	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 with the cost of the study split between an Alaska Drinking Water Fund loan and an Alaska Clean Water Fund loan.	\$30,000		\$30,000	X	5	na	Planning	6/1/2021	SFY22-Q2

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5	50	AK2240456 (5,810)	Homer	Asset Management System Upgrade - Upgrade the existing computerized maintenance management system with new software that will better track the condition, requirements for preventative maintenance, and costs of ownership of the City's water supply, treatment, and distribution assets. The new system would also forecast likelihood of failure of critical systems to allow cost effective prioritization of repairs.	\$86,250		\$37,500	X	5	na	Planning	10/18/2021	SFY22-Q3
6	50	AK2240456 (5,810)	Homer	Water System Model Upgrade - Recalibrate Homer's water system model with current hydrant flow data using an updated water system modeling platform, and adjust the Water Master Plan for future water system infrastructure needs.	\$93,150		\$37,500	X	5	na	Planning	10/18/2021	SFY22-Q3
7	46	AK2121510 (2,503)	Ketchikan Gateway Borough	South Tongass Water Utility Master Plan - Prepare a master plan to determine the long-term viability of the existing treatment processes to meet the area's water demand. Identify needed main replacement based on material, age and failure rate to establish a capital program.	\$225,000		\$75,000	X	5	na	Planning	10/1/2021	SFY22-Q1
8	46	multiple water systems	Home Water, LLC	Water Revenue Study - Prepare a revenue requirement study that will include multiple public water systems that are operated under the Certificate of Public Convenience and Necessity issued to Home Water, LLC.	\$114,000		\$75,000	X	5	na	Planning	7/30/2021	SFY22-Q2
9	45	AK2260197 (4,916)	Dillingham	Dillingham Utility 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 with the cost of the study split between an Alaska Drinking Water Fund loan and an Alaska Clean Water Fund loan.	\$30,000		\$30,000	X	5	na	Planning	6/1/2021	SFY22-Q1
10	45	AK2227204 (400)	Midtown Estates Water Utility	Mainline Condition Assessment - Combined leak detection and acoustic condition assessment of the distribution system.	\$97,500		\$75,000	X	5	na	Planning	7/30/2021	SFY22-Q2
11	45	AK2211229 (350)	Unified Alaskan Utilities	Moorehand Main Line Acoustic Assessment - Combined leak detection and acoustic condition assessment of the distribution system.	\$44,075		\$44,075	X	5	na	Planning	7/30/2021	SFY22-Q2
12	45	AK2224078 AK2220154 AK2211431 (1,191)	Unified Alaskan Utilities	Water Revenue Study - Prepare a revenue requirement study that will include the Creekwood, Homestead, and Sherwood public water systems that are operated under the Certificate of Public Convenience and Necessity issued to Unified Alaska Utilities.	\$120,500		\$75,000	X	5	na	Planning	7/30/2021	SFY22-Q2
13	41	AK2221834 (2,375)	Mile 8 Utilities	Water Revenue Study - Prepare a revenue requirement study.	\$133,500		\$75,000	X	5	na	Planning	7/30/2021	SFY22-Q2
14	36	AK2310926 (950)	Valley Water Company, Inc.	Water Rate Study - Perform a study to determine necessary rate increase to allow the water system to meet operating expenses and fund required improvements for an aging system.	\$52,000		\$52,000	X	5	na	Planning	4/1/2021	SFY22-Q1
SUSTAINABLE INFRASTRUCTURE PLANNING LOAN SUBTOTAL					\$1,312,868	\$0	\$831,075						

MICRO LOAN QUESTIONNAIRES													
	80	AK2130067 (830)	Hoonah	Eagle Drive Water Improvements - Install approximately 1,145 linear feet of 12-inch HDPE water main to connect that portion of Hoonah that lacks piped drinking water service. Water service will be available to 11 additional residential lots. The water main extension will also eliminate dead ends in the system to avoid stagnation.	\$232,884		\$163,019	X	< 5		Effective Utility Mgmt		SFY22-Q2
MICRO LOAN SUBTOTAL					\$232,884	\$0	\$163,019						
TOTAL FUNDING REQUESTED (ALL CATEGORIES)					\$60,792,082	\$2,328,322	\$3,332,629						

Alaska Drinking Water Fund - State Fiscal Year 2022 (SFY22)

Programmatic Financing (Pro Fi) Projects

Applicant: Anchorage Water and Wastewater Utility

Loan Term: 20 years

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

Number	Project Name	Description
D-22-01	475 Loop Conversion	Convert portions of the Anchorage bowl transmission loop to the 475 hydraulic grade line to enhance system operations. The project will provide a new gravity intertie to replace a pumped intertie and demolish an outdated facility. Work also includes new flow monitoring and SCADA additions for new equipment.
D-22-02	900 Reservoir & Transmission Main	This reservoir is necessary to supply operational and emergency water storage needs in the upper Eagle River pressure zones. This project will construct a one million gallon reservoir and associated transmission piping to serve the upper Eagle River pressure zone. Construction of this reservoir will ensure operational and emergency water storage and prevent the water system from experiencing low system pressures during peak demand periods or emergencies.
D-22-03	Anchorage Townsite 5th-8th Water Upgrade	Rehabilitate water distribution infrastructure in downtown Anchorage that is at the end of its useful life. The project includes rehabilitation of approximately 4,200 lineal feet of cast iron and ductile iron mains installed between 1955 and 2002. Six fire hydrants will also be rehabilitated.
D-22-04	Bragaw 16th Debarr Water Upgrade	Rehabilitate or replace approximately 1,300 lineal feet of 1960s-era 8-inch cast iron pipe on Bragaw Street between Debarr Road and E 16th Avenue. The project also includes replacing 2 fire hydrants, 16 water services (3/4-inch), and 2 water services (1/2-inch).
D-22-05	Eklutna Water Treatment Facility Disinfection Improvements	Replace the existing 20-year-old on-site hypochlorite generation system to improve reliability of the disinfection system and also improve worker safety.
D-20-23	Eklutna Water Treatment Facility Energy Recovery Station Control Improvements	Rehabilitate the control infrastructure for the water treatment energy recovery station.
D-22-08	Girdwood Water System Upgrade	Demolish the Vail and St. Moritz booster stations and the Timberline Pressure Relief Valve (PRV) Station that have exceeded their useful life. Construct one new combined booster/PRV station adhering to current standards. The project also includes a new sampling station for water quality management and Supervisory Control and Data Acquisition (SCADA) for active management.
D-22-13	Girdwood Well Site Upgrade	Design modifications intended to improve reservoir water circulation.
D-22-15	Glenn Square PRV Facility	The project involves construction of a new aboveground pressure relief valve (PRV) facility to replace or upgrade the aged Chrysler PRV vault originally constructed in 1971 and modified in 1981. The existing vault is in a condition requiring improvements and access is limited by inbound traffic from the Glenn Highway.
D-22-09	Hillcrest Drive Water Rehab	Rehabilitate and/or replace approximately 2,400 feet of cast iron and steel water main along Hillcrest Drive that is at the end of its useful life. The project is also anticipated to include installation of fire hydrants, gate valves, and valve boxes.
D-22-10	Reservoir 3 and 4 Circulation Lines	In order to improve reservoir water circulation, install approximately 80 linear feet of 24-inch ductile iron pipe, 44 linear feet of 16-inch ductile iron pipe, 5 linear feet of 12-inch ductile iron pipe, one (1) single pumper fire hydrant assembly, seven (7) 12-inch to 24-inch gate valves and valve boxes, fittings, cathodic protection anodes, and sections of storm drain pipe. The Work in the Reservoir Facility Building includes mechanical piping, flow meters, valves, fittings, hydro-kinetic turbine, centrifugal pump, instrumentation, electrical, controls, and HVAC equipment. Additionally, the project includes demolition of Century Village Booster Station and removal of the existing sleeve valve in Tudor Valve Vault.
D-22-11	SW 260 Zone Capacity Improvements	Provide necessary connectivity between two pressure zones in the AWWU water distribution system and thereby ensure more reliable service. The project will install water main to the SW 260 pressure zone through the Tanglewood Gold Course, Upgrade/construct a Pressure Relief Valve (PRV) Station at Oceanview North and Bowman School, and abandon three existing PVR stations.
D-19-10	Thunderbird Grandview Subdivision Water Upgrade	Replace or rehabilitate existing water distribution main in the Thunderbird Grandview subdivision. Condition assessment of the project pipe and the leak history of the area were used to identify this project.
D-22-12	Upper Eagle River Flow	Complete booster station upgrades at Meadow Creek and Norfolk Booster Stations including pump upgrades and suction piping.
D-19-14	Water Master Plan Update	The water master plan provides a guide for future expansion, modifications and rehabilitation over a 20-year planning horizon.
D-22-14	484-520 Zone Conversion	Reconfigure the lower Eagle River water system to operate as one cohesive system connected to the proposed 520 reservoir.