

Alaska Drinking Water Fund - State Fiscal Year 2021 (SFY21) Project Priority List - 2nd Quarter

Note: The total available funding for SFY21 projects is \$39.5 million.

(1) To Fund column indicates that the project is within the current fundable limit of the Alaska Drinking Water Fund. Large projects may be phased based on projected funding needs during the next year. Loan applications may be submitted for any project on the list that is ready to proceed.

(2) Allocation of subsidy is subject to change depending on the readiness of projects to proceed.

(3) 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).

(4) 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	To Fund (1)	Public Water System ID# (Population)	Applicant	Project Name and Description	Requested Loan Amount	Estimated Subsidy ⁽²⁾ (SFY19-20)	Estimated Subsidy ⁽²⁾ (SFY21)	Disadvantaged Community	Loan Term ⁽³⁾ (years)	Green Project Amount (Type)	Sustainability Policy	Estimated Start Date	Quarter Added to PPL
DRINKING WATER PROJECT QUESTIONNAIRES														
1	161	X	AK2310926 (950)	Valley Water Company	Valley Water System Upgrade and Rehabilitation - Design, purchase and install a water supply treatment system to address exceedances of water quality standards for copper. Provide improvements to 50-year-old distribution system.	\$350,000	\$175,000		X	5 to 20	\$350,000 (Energy)	Fix It First	10/1/2018	SFY19-Q3
2	150	X	AK2110619 (1,800)	Haines Borough	Phase 3 Asbestos-Cement (AC) Pipe Replacement 3rd Avenue - Replace 1,725 feet of outdated, brittle and leaking AC pipe with high-density polyethylene (HDPE) pipe.	\$1,000,000		\$500,000	X	20 to 30	\$1,000,000 (Water)	Fix It First	6/1/2020	SFY21-Q1
3	146	X	AK310900 (13,000)	College Utilities Corp. (Fairbanks)	Pearl Creek Extension - Design and construct infrastructure to provide potable water to approximately 749 lots that were previously unserved. The project will include installing high density polyethylene water main, a water storage reservoir, circulation station and a control system.	\$11,141,059	\$500,000		X	5 to 20	\$5,000,000 (Energy)	Effective Utility Mgmt	5/25/2020	SFY20-Q1
4	146	X	AK2260294 (915)	Sand Point	Water Distribution System Upgrade - Valve identification and helium leak detection to map currently unmapped portions of the water distribution system, adding pressure reducing valve to control pressure and eliminate leaks, and energy efficiency upgrades to the water treatment plant.	\$276,800	\$138,400		X	5 to 20	\$218,800 (Water)	Fix It First	7/1/2019	SFY19-Q3
5	145		AK2320086 (556)	North Slope Borough	Wainwright Water Plant Replacement - Construct new administrative, mechanical, chemical storage, and shop areas to replace portions of the existing treatment plant that are at risk of structural failure.	\$9,557,000	\$337,200		X	5 to 20	TBD (Energy)	Fix It First	12/1/2019	SFY19-Q4
6	120		AK2350235, AK2320426, AK2320256, AK2320086 (1,743)	North Slope Borough	Water Distribution Pump Variable Frequency Drives (VFDs) - Design, construction, and installation of VFDs for water distribution pumps in Anaktuvuk Pass, Point Hope, Point Lay and Wainwright. VFDs will allow pumps to ramp up/down as system demands change to address system pressure issues.	\$456,000		\$228,000	X	< 5	\$456,000 (Energy)	Fix It First	9/2/2019	SFY19-Q4
7	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		Fix It First	4/2/2018	SFY20-Q1
8	101		AK2260244 (972)	King Cove	Recoat Water Storage Tank - The existing steel tank has signs of localized rusting. The proposed project will remove the existing coating, clean and recoat the tank to prevent further degradation.	\$400,000		\$200,000	X	5 to 20		Fix It First	8/15/2018	SFY19-Q2
9	76		AK2240456 (5,810)	Homer	Seawall Armor Rock - Place armor rock in front of an existing deteriorating seawall to protect existing water and sewer mains from erosion.	\$1,644,000			X	20 to 30		Fix It First	10/1/2020	SFY21-Q2
10	75		AK2320086, AK2320426 (745)	North Slope Borough	Wainwright & Point Hope Water Plant SCADA Upgrade - Design, construct, and install upgrades to allow remote Supervisory Control and Data Acquisition (SCADA) access to allow remote access for remote assessment or troubleshooting. This phase requests construction funds for Wainwright and design/construction funds for Point Lay.	\$749,000		\$374,500	X	< 5		Effective Utility Mgmt.	10/1/2019	SFY19-Q4
11	75		AK2227204 (400)	Midtown Estates Water Utility, LLC (Palmer)	Water Plant and Distribution System Upgrade - Distribution system mapping; SCADA system upgrade for two well sites, chemical feeds, tank levels and water system parameters; installation of flushing points at dead ends; and painting of reservoir exterior.	\$187,500		\$93,750	X	5 to 20		Effective Utility Mgmt	5/22/2020	SFY21-Q1

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12	75		AK2241020 (420)	Nikishka Bay Utilities, Inc. (Nikiski)	Water Main Freeze Protection and SCADA Upgrade - Distribution system mapping; SCADA system upgrade for two well sites, chemical feeds, tank levels and water system parameters; installation of flushing points at dead ends; and painting of reservoir exterior.	\$57,615		\$28,808	X	5 to 20		Effective Utility Mgmt	6/1/2020	SFY21-Q1
13	75 ⁽⁴⁾	X	AK2210906 (297,483)	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).	\$10,000,000				20		Fix It First	10/1/2020	SFY21-Q1
14	71		AK2221834 (2,375)	Mile 8 Utilities, LLC (Wasilla)	Settler's Bay SCADA System and Distribution Upgrades - SCADA system installation for five sites, mapping of the distribution system, renewal of security fencing, renewal of 8 main line valves, and renewal of four damaged hydrants.	\$377,775		\$188,888	X	5 to 20		Effective Utility Mgmt	6/1/2020	SFY21-Q1
15	51		AK2120193 (1,548)	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		\$50,000	X	5 to 20		Effective Utility Mgmt.	9/17/2018	SFY20-Q1
16	46		AK2120193 (1,548)	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		Effective Utility Mgmt.	9/17/2018	SFY20-Q1
17	8		AK2110601	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			4/1/2021	SFY21-Q1
SUBTOTAL						\$43,076,949	\$1,650,600	\$2,458,046			\$7,843,660			

AMENDMENTS TO EXISTING LOANS

1	43	X	AK2210906 (297,483)	Anchorage AWWU	Reservoir 3 & 4 Circulation Line (130511) - Construct yard piping and automated valves to provide Eklutna water directly to and through reservoirs 3 and 4 to enhance reservoir cycling. Original loan amount is \$1,000,000 from SFY15 IUP. This amendment request is for an additional \$2,570,000 for a total loan amount of \$3,570,000.	\$2,570,000				20		Fix It First	7/13/2020	SFY20-Q1 SFY21-Q1
2	98	X	AK2210906 (297,483)	Anchorage AWWU	Hillcrest Drive Water Rehabilitation (131541) - Rehabilitate and/or replace steel water main along Hillcrest Drive that is at the end of its useful life. Original loan amount is \$400,000 from SFY18 IUP. This amendment request is for an additional \$2,000,000 for a total loan amount of \$2,400,000.	\$2,000,000				20		Fix It First	5/15/2020	SFY20-Q1 SFY21-Q1
3		X	AK2120232 (8,250)	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
LOAN AMENDMENT SUBTOTAL						\$10,543,779	\$0	\$500,000						

MICRO LOAN QUESTIONNAIRES

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1	160	X	AK2340141 (184)	Diomedes	Water Treatment - Provide water treatment equipment to adequately treat surface water to comply with SDWA including new filtration and ion exchange equipment, refurbish source water intake, and construct ocean outfall. SRF loan to be used as contribution requirement for federal funding through Indian Health Service. The water system has health-based violations for the arsenic level and for the Surface Water Treatment Rule. This project will help to bring the system into compliance.	\$55,244	\$27,622		X	< 5		Effective Utility Mgmt.		SFY20-Q1
2	125	X	AK2272004 (617)	Kotlik	Water Connections - Renovate five water 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		Fix It First		SFY20-Q1
3	125	X	AK2340109 (600)	Noorvik	Utilidor Replacement (Water) 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		Fix It First		SFY20-Q1
4	115	X	AK2270184 (484)	Scammon Bay	Water Storage Tank Rehabilitation - Replace exterior insulated pipes, valves, and fittings that connect to the aboveground water storage tank. Replace the level control for the tank and automated valves that control filling and draining the tank.	\$135,000	\$67,500		X	< 5		Fix It First		SFY20-Q1
5	110	X	AK2260367 (516)	New Stuyahok	New Stuyahok Curb Stops Installation - Install approximately 10 curb stops and associated items for service line isolation. Curb stops allow the water to be shut off to a home to diagnose and repair leaks or other issues. The ability to control flow is critically important in remote communities with limited water supplies.	\$35,800	\$28,640		X	< 5		Effective Utility Mgmt	7/1/2018	SFY19-Q1
6	100	X	AK2250053 (165)	Ouzinkie	Ouzinkie Water Distribution System Replacement - Replace 7,000 linear feet of failing 8-inch ductile iron pipe with high density polyethylene plastic pipe. This project is primarily funded with an Indian Health Service grant.	\$73,080	\$51,156		X	20		Fix It First		SFY20-Q2
7	45	X	AK2260367 (510)	New Stuyahok	Curb Stops Phase 2 - Install 12 water service curb stops in existing buried copper services as well as access risers. Curb stops allow the water to be shut off to a home to diagnose and repair leaks or other issues. The ability to control flow is critically important in rural communities with limited water supplies.	\$150,000	\$75,000		X	< 5		Fix It First		SFY20-Q1
MICRO LOAN SUBTOTAL						\$599,124	\$339,918	\$0						
TOTAL FUNDING REQUESTED (ALL CATEGORIES)						\$54,219,852	\$1,990,518	\$2,958,046						

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

Applicant: Anchorage Water and Wastewater Utility
Loan Term: 20 years

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

Number	Project Name	Description
D-19-01b	Dowling Road Pressure Reducing Valve (PRV)	Construct a new pressure reducing valve facility near Old Seward, Dowling Rd and 92nd Ave to ensure sufficient capacity in the area.
D-19-02	Inlet Place Water Rehabilitation	Replace approximately 1,080 feet of 1953 6-inch cast iron water main at the end of its useful life from 15th Avenue to 12th Avenue on Inlet Place.
D-19-03	92nd Avenue Intertie Zone Conversion	Construct water main intertie between the 320 Hydraulic Grade Line Pressure Zone (HGL PZ) and the 347 HGL PZ at 94th Ave and Old Seward Highway.
D-19-04	Boston Steet Water Rehabilitation	Replace approximately 1,306 feet of 1970 6-inch cast iron water main at the end of its useful life on Boston Street.
D-19-06	Eklutna Water Treatment Facility Primary Electrical Upgrade	Replace or rehabilitate power service infrastructure and distribution equipment associated with the Primary Plant, Portal Facility and Intake Facility.
D-19-07	486 Zone DeBarr Intertie	Construct approximately 700 feet of 16-inch diameter water main between the Anchorage Loop 06" DeBarr PRV Vault (630HGL) and Early View Drive (486 HGL) located in East Anchorage including piping modifications within the DeBarr PRV vault. Additionally, this project will address hydraulic deficiencies in the northeast portion of the 486 pressure zone, provide system redundancy, and allow for the Muldoon Booster Station to be abandoned.
D-19-08	E. Northern Lights Blvd Augustine Water Upgrade	Replace or rehabilitate approximately 1,194 feet of 8-inch ductile iron pipe at the end of its useful life and abandon approximately 491 feet of 8-inch pipe.
D-19-09	Becharof Street Rakof to Chirikof Water Rehabilitation	Replace approximately 988 feet of 1968 installed 8-inch cast iron water main and 660 feet of 1965 installed 6-inch water main at the end of its useful life. Install interties to reduce the consequences of failure of each of these pipes.
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-19-11	W 43rd Aero to Constellation Water Rehabilitation	Replace approximately 1,362 feet of 6-inch cast iron water main and 1,112 feet of 10-inch cast iron water main at the end of its useful life.
D-19-12	E 7th Lane to Pine Water Rehabilitation	Replace approximately 572 feet of 1968 6-inch cast iron water main at the end of its useful life.
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-20-01	Tanglewood Place Water Rehabilitation	Replace approximately 600 feet of 1967 6-inch cast iron water main at the end of its useful life and in need of replacement.
D-20-04	Gruening Reservoir/Booster/Well Station Rehabilitation	Evaluate and identify deficiencies in the Gruening Well, Booster Station and Reservoir. Once fully identified solutions to these deficiencies will be designed and constructed under this project.
D-20-05	Briarwood Dimond Intertie	The Briarwood Dimond Intertie will construct approximately 400 feet of water main on Dimond Boulevard between the Old Seward Highway and Spring Street. The project will provide for redundancy for water service to residential and commercial customers between Dimond Blvd, Lore Road, the Old Seward Highway and the New Seward Highway.
D-20-06	Girdwood St Moritz Emergency Generator	Install an emergency generator onsite to allow for continued service during power outages. Pressure losses due to frequent power outages pose a risk of backflow or cross contamination.
D-20-07	Girdwood Timberline Pressure Reducing Valve (PRV) Upgrade	This project will replace failing pressure reducing valve equipment within the Girdwood Timberline PRV Vault. The project will also upgrade SCADA communications equipment. Completion of this project will insure that AWWU will be able to maintain water service to existing customers in the 330 and 460 HGL zones of Girdwood by maintaining pressures and communication at this facility.
D-20-08	Glenn Square PRV Facility	The project involves construction of a new aboveground 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-20-10	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-20-11	Eklutna Water Treatment Facility Energy Recovery Station Control Improvements	Rehabilitate the control infrastructure for the water treatment energy recovery station.
D-20-12	Eklutna Water Treatment Facility SCADA Backbone & Fire Improvements	Rehabilitate and improve the existing SCADA system.
D-20-13	475 Loop Conversion	Convert portions of the Anchorage bowl transmission loop to the 475 hydraulic grade line to enhance system operations.
D-20-14	Anchorage Townsite 5th-8th Water Upgrade	Rehabilitate water distribution infrastructure in downtown Anchorage that is at the end of its useful life.
D-20-15	Bragaw 16th DeBarr Water Upgrade	Rehabilitate or replace approximately 1,281 feet of 1956 6-inch and 8-inch cast iron pipe that is at the end of its useful life.
D-20-16	Ship Creek Water Treatment Facility Plan	Evaluate the condition and provide for planned management and upgrades to the Ship Creek Water Treatment Facility.
D-20-17	4255 DeBarr Road Water Upgrade	Install approximately 408 linear feet of 12-inch PVC pipe, 75 linear feet of 8-inch PVC pipe, 52 linear feet of 6-inch PVC pipe, 175 linear feet of cured in place pipe (CIPP liner), one 1.5 inch water service, one fire hydrant assembly, four 12-inch gate valves and valve boxes, four 8-inch gate valves and valve boxes, and three 6-inch gate valves and valve boxes.
D-21-01	484 520 Zone Conversion	Reconfigure the lower Eagle River water system to operate as one cohesive system connected to the proposed 520 Reservoir.
D-21-02	Upper Eagle River Fire Flow	Upgrade the Meadow Creek and Norfolk Booster Stations including pump upgrades and suction piping.
D-21-03	Eklutna Water Treatment Facility Fluoride Improvements	Design and construct a dry fluoride feed system replacement to provide precise and accurate measurement of fluoride.
D-21-04	Eklutna Water Treatment Facility Motor Control Center Upgrade	Perform upgrades to the motor control center and uninterruptible power supplies as provided in the 2018 EWTF Facility Plan.
D-21-05	Eklutna Water Treatment Facility Disinfection Improvements	Replace the existing on-site hypochlorite generation system to improve worker safety, reliability and operations.
D-21-06	Kincaid Reservoir Expansion	Provide water storage capacity in the 260 HGL pressure zone to meet operations, fire flow, and emergency requirements.
D-21-07	520 440 Zone Conversion	Convert the 440 HGL pressure zone to the 520 HGL pressure zone.
D-21-08	Citadel Lane Water Upgrade	Rehabilitate or replace 407 feet of 1975 8-inch ductile iron pipe at the end of its useful life.