# Alaska Drinking Water Fund - State Fiscal Year 2022 (SFY22) Project Priority List - 1st Quarter

Note: The total available funding for SFY22 projects is $87.0 million.

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

(2) 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).

(3) Individual Pro Fi projects are reviewed and assigned a weighted scored 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 | 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 |
| 2 | 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 |
| 3 | 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 |
| 4 | 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 |
| 5 | 110 | AK2240456 (5,810) | Homer | **Alder Lane Water Main Extension** - This project will extend the water distribution system to provide piped public water to 9 Rural Residential zoned properties that are currently served by hauled water from City watering points or an onsite well. | $259,563 | | $112,229 | X | 20 to 30 | $26,000 (Water Conservation - meters) | Effective Utility Mgmt. | 5/15/2021 | SFY22-Q1 |
| 6 | 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 |
| 7 | 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 |
| 8 | 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. | | SFY21-Q3 |
| 9 | 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 |
| 10 | 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 |

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| 11 | 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 |
| 12 | 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 | | Effective Utility Mgmt. | 6/1/2021 | SFY22-Q1 |
| 13 | 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 | | Effective Utility Mgmt. | 7/1/2021 | SFY22-Q1 |
| 14 | 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 approval. | $2,500,000 | | | X | 20 to 30 | | Fix It First | 3/1/2022 | SFY21-Q3 |
| 15 | 75[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. | $11,140,560 | | | | 20 | | Fix It First | 8/1/2021 | SFY22-Q1 |
| 16 | 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. *Agreement to be drafted mid March* | $57,615 | $28,808 | | X | 5 to 20 | | Effective Utility Mgmt. | 4/1/2021 | SFY21-Q1 |
| 17 | 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 | | Effective Utility Mgmt. | 7/29/2021 | SFY22-Q1 |
| 18 | 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 | | | 4/1/2021 | SFY21-Q1 |
| | | | | ***SUBTOTAL*** | ***$34,202,693*** | ***$1,735,408*** | ***$2,238,000*** | | | ***$376,000*** | | | |
| **AMENDMENTS TO EXISTING LOANS** | | | | | | | | | | | | | |
| 1 | | 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 |
| 2 | | 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 |
| | | | | ***LOAN AMENDMENT SUBTOTAL*** | ***$7,024,791*** | ***$500,000*** | ***$0*** | | | | | | |

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| **SUSTAINABLE INFRASTRUCTURE PLANNING PROJECTS** | | | | | | | | | | | | | |
| 1 | 113 | (6,472) | 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 a Alaska Drinking Water Fund and Alaska Clean Water Fund loan. | $86,893 | | $75,000 | X | < 5 | | 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 to 20 | | 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 | 20 to 30 | | Planning | 6/1/2021 | SFY22-Q1 |
| 4 | 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 | 20 to 30 | | Planning | 10/1/2021 | SFY22-Q1 |
| 5 | 45 | AK2260197 (4,916) | Dillingham | **Water 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 |
| 6 | 36 | AK2310926 (950) | Valley Water Company, Inc. | **Rate Case 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. Rates have not been increased in over 10 years. | $52,000 | | $52,000 | X | 5 to 20 | | Planning | 4/1/2021 | SFY22-Q1 |
| | | | | ***SUSTAINABLE INFRASTRUCTURE PLANNING LOAN SUBTOTAL*** | ***$593,893*** | ***$0*** | ***$382,000*** | | | | | | |
| **MICRO LOAN QUESTIONNAIRES** | | | | | | | | | | | | | |
| 1 | 100 | 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 |
| | | | | ***MICRO LOAN SUBTOTAL*** | ***$73,080*** | ***$51,156*** | ***$0*** | | | | | | |
| | | | | ***TOTAL FUNDING REQUESTED (ALL CATEGORIES)*** | ***$41,894,457*** | ***$2,286,564*** | ***$2,620,000*** | | | | | | |

**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.

| Project Name | Description |
|---|---|
| 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. |
| 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. |
| 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. |
| 92nd Avenue Intertie Zone Conversion | Enhance system operations through the merger of pressure zones and provision of redundancy in water service. Anticipated work to include construction of water main intertie between the 320 Hydraulic Grade Line Pressure Zone (HGL PZ) and the 347 HGL PZ at 94th Avenue and Old Seward Highway. |
| 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. |
| 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. |
| 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). |
| Dowling Road Pressure Reducing Valve (PRV) | Construct a new pressure reducing valve facility near Old Seward, Dowling Rd and 92nd Ave to move water more effectively from east to west in the water system. |
| 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. |
| E. Northern Lights Blvd Augustine Water Upgrade | Replace or rehabilitate approximately 853 feet of 8-inch ductile iron pipe at the end of its useful life. |
| 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. |
| Eklutna Water Treatment Facility Energy Recovery Station Control Improvements | Rehabilitate the control infrastructure for the water treatment energy recovery station. |
| 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. |
| 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 in order to increase power reliability and resiliency. |
| 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. |
| 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. |
| Inlet Place Water Rehabilitation | Replace approximately 710 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. |
| Water Master Plan Update | The water master plan provides a guide for future expansion, modifications and rehabilitation over a 20-year planning horizon. |