Alaska Drinking Water Fund - State Fiscal Year 2023 (SFY23) Project Priority List - 3rd Quarter Update

Note: The total available funding for SFY23 projects is $57.9 million.
(1) Within Funding Limits column indicates that the project is within the current fundable limit of the Alaska Drinking Water Fund. Large projects (over $5 million) may be phased based on projected funding needs during the next year. Loan applications may be submitted for any project within the funding limits that is ready to proceed.
(2) Principal forgiveness is subject to change depending on the readiness of projects to proceed.
(3) 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).
(4) 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	Within Funding Limits [1]	Public Water System ID# (Community Population)	Applicant	Project Name and Description	Requested Loan Amount	Estimated Principal Forgiveness [2] (SFY22 and previous years)	Estimated Principal Forgiveness [2] (SFY23)	Disadvantaged Community	Loan Term [3] (years)	Green Project Amount (Type)	Sustain-ability Policy	Estimated Start Date	Quarter Added to PPL
DRINKING WATER PROJECT QUESTIONNAIRES														
1	203	X	AK2120012 (225)	Unified Alaskan Utilities	**Vallenar View Water System Renewal -** Acquire necessary easements to re-locate water source outside floodplain, install power to the water source, rehabilitate leaking transmission main, replace water distribution system to meet separation distance requirements, replace water treatment system, replace distribution pumps, reconfigure water storage as necessary to meet contact time requirements.	$1,446,687		$500,000	X	5 to 20	TBD (Energy)	Fix It First	7/1/2022	SFY23-Q1
2	160	X	AK2310675 (2,969)	North Pole	**Steel Water Main Replacement -** Replace aging steel water mains. The initial cost estimate includes conceptual design, preparation of construction documents, permitting, bidding support and construction administration.	$600,000				20 to 30	na	Fix It First	11/1/2022	SFY23-Q3
3	156	X	AK2121510 (5,400)	Ketchikan Gateway Borough	**Fawn Mountain Tank Resealing** - In order to address existing leaks in the tank, sandblast interior surface of 825,000-gallon bolted epoxy-coated steel tank, remove all existing joint and bolt sealants, replace corroded bolts, and install new chevron industrial membrane.	$750,000		$375,000	X	20 to 30	$600,000 (Energy)	Fix It First	10/1/2022	SFY23-Q1
4	146	X	AK2121510 (5,400)	Ketchikan Gateway Borough	**Roosevelt & Romine Drive Water Main Replacement** - Replace water distribution mains running through Roosevelt Drive and Romine Drive, install new arctic pipe water mains from Romine up to Ravenwood, and install a new pressure reducing vault atop Romine Drive. Existing ductile iron mains are 30 years old and have failed on multiple occasions due to electrolytic corrosion.	$709,000		$125,000	X	20 to 30	$709,000 (Energy)	Fix It First	7/1/2023	SFY23-Q1
5	141	X	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
6	138	X	AK2111566 (1,713)	Haines Borough	**Lily Lake Water Treatment Plant Upgrade** - Replace old and deteriorating infrastructure in the treatment plant to reduce leaks and ensure a safe work environment. Work will also include control system installation and upgrades including a Programmable Logic Controller (PLC) and a Supervisory Control and Data Acquisition (SCADA) system for the entire water system.	$1,300,000		$500,000	X	20 to 30	$500,000 (Water)	Fix It First	8/1/2022	SFY23-Q1
7	133	X	AK2241020 (420)	Nikishka Bay Utilities, Inc.	**Distribution System Renewal** - Replace the entire distribution system comprised of galvanized steel or Schedule 40 PVC. Galvanized mains are 70+ years old, and system leakage is currently estimated at 60,000 gallons per day.	$6,385,158		$500,000	X	20 to 30	TBD (Water)	Fix It First	8/31/2022	SFY23-Q1
8	125	X	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

Rank	Score	Within Funding Limits [1]	Public Water System ID# (Community Population)	Applicant	Project Name and Description	Requested Loan Amount	Estimated Principal Forgiveness [2] (SFY22 and previous years)	Estimated Principal Forgiveness [2] (SFY23)	Disadvantaged Community	Loan Term [3] (years)	Green Project Amount (Type)	Sustain-ability Policy	Estimated Start Date	Quarter Added to PPL
9	125	X	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		$500,000	X	20 to 30	na	Fix It First	5/1/2021	SFY22-Q1
10	105	X	AK2310675 (2,969)	North Pole	**Water Meter Replacement** - Replace failing meters within the distribution system.	$785,000		$392,500		20 to 30	TBD (Water)	Fix It First	12/1/2022	SFY23-Q3
11	74 [4]	X	AK2210906 (291,826)	Anchorage AWWU	**SFY23 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.	$10,304,964				20		Fix It First	9/1/2022	SFY23-Q1
12	121	X	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
13	121	X	AK2240757 (2,693)	Seward	**Lowell Canyon Water Storage Tank Replacement** - Design and construct a 500,000 gallon water tank. Demolish and remove existing tank that is in poor condition.	$1,905,000		$500,000	X	5 to 20	$1,300,000 (Energy)	Fix It First	8/10/2022	SFY23-Q1
14	113	X	AK2241020 (420)	Nikishka Bay Utilities, Inc.	**Granular Activated Carbon (GAC) Filter Renewal** - Replace the GAC in four contactors. Inspect and renew filter bed distribution piping as necessary, dispose of exhausted media.	$123,625			X	5 to 20	na	Fix It First	8/1/2022	SFY23-Q1
15	111	X	AK2340060 (3,004)	Kotzebue	**Lagoon Water Service Loop Replacement** - Design and construct replacement water distribution service loop at the end of its useful life. Freeze protection and essential upgrades are needed for the 1980-1990s era infrastructure.	$10,244,000			X	5 to 20	na	Fix It First	9/1/2022	SFY23-Q2
16	111	X	AK2340060 (3,004)	Kotzebue	**Swan Lake Water Service Loop Replacement** - Design and construct replacement water distribution service loop at the end of its useful life. Freeze protection and essential upgrades are needed for the 1980-1990s era infrastructure.	$5,482,000			X	5 to 20	na	Fix It First	9/1/2022	SFY23-Q2
17	110	X	AK2240456 (5,003)	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		$500,000	X	20 to 30	$10,000 (Water Conservation - meters)	Effective Utility Mgmt	9/30/2021	SFY22-Q2
18	110	X	AK2240456 (5,003)	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	5 to 20	$75,000 (Water Conservation - meters)	Effective Utility Mgmt	4/1/2022	SFY22-Q2
19	106	X	AK2120193 (1,201)	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
20	106	X	AK2120193 (1,201)	Craig	**Supervisory Control and Data Acquisition (SCADA) System Upgrade** - Install master Programmable Logic Controller (PLC) and update the SCADA system at the Water Treatment Plant to monitor water treatment functions.	$125,000		$62,500	X	5 to 20	na	Effective Utility Mgmt	7/29/2021	SFY23-Q1
21	96	X	AK2240757 (2,693)	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

Rank	Score	Within Funding Limits [1]	Public Water System ID# (Community Population)	Applicant	Project Name and Description	Requested Loan Amount	Estimated Principal Forgiveness [2] (SFY22 and previous years)	Estimated Principal Forgiveness [2] (SFY23)	Disadvantaged Community	Loan Term [3] (years)	Green Project Amount (Type)	Sustain-ability Policy	Estimated Start Date	Quarter Added to PPL
22	96	X	AK2111566 (1,713)	Haines Borough	**Soap Suds Alley Water Main Upgrade -** Replace a 1-inch dead end service line with a standard water main and connect to existing main to create a looped system. Remove a failing pressure reducing valve which cannot be used to maintain minimum service pressures and risks causing line blockages.	$140,000			X	20 to 30	na	Fix It First	4/3/2023	SFY23-Q1
23	96	X	AK2111566 (1,713)	Haines Borough	**Young Road Waterline Relocation -** Replace and relocate existing waterline to a location within public right-of-way to allow for future repair and maintenance.	$300,000			X	20 to 30	na	Fix It First	6/1/2022	SFY23-Q1
24	93	X	AK2240456 (5,003)	Homer	**A Frame Transmission Line Replacement -** Existing line is on a steep slope subject to potential slumping. To avoid waterline failure, relocate and replace approximately 1,200 linear feet of existing 8-inch cast iron line with 10-inch high density polyethylene transmission main.	$771,253			X	20 to 30	na	Fix It First	5/31/2023	SFY23-Q1
25	91	X	AK2111566 (1,713)	Haines Borough	**Small Tracts Water Main Extension -** Design and construct approximately 4200 feet of new water main to provide a continuous loop to the Small Tracts Road area to eliminate a dead end water main, improve water quality served in the area, and allow for service connections to about 44 parcels currently served by private wells or rain catchment systems.	$2,750,000			X	20 to 30	na	----	4/3/2023	SFY23-Q1
26	85	X	AK2240456 (5,003)	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
27	81	X	AK2120143 (2,369)	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	SFY23-Q2
28	80		AK2260197 (2,329)	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
29	80		AK2260197 (2,329)	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
30	78		AK2340010 (3,598)	Nome Joint Utility System	**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
31	76		AK2250011 (6,130)	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
32	66		AK2240757 (2,693)	Seward	**New Water Meter Installation** - Purchase and install 200 water meters with remote reader reporting capabilities to promote water conservation and simplify billing rates.	$432,000			X		$400,000 Water Conservation	Effective Utility Mgmt	8/1/2022	SFY23-Q1

Rank	Score	Within Funding Limits [1]	Public Water System ID# (Community Population)	Applicant	Project Name and Description	Requested Loan Amount	Estimated Principal Forgiveness [2] (SFY22 and previous years)	Estimated Principal Forgiveness [2] (SFY23)	Disadvantaged Community	Loan Term [3] (years)	Green Project Amount (Type)	Sustain-ability Policy	Estimated Start Date	Quarter Added to PPL
33	50		AK2340010 (3,598)	Nome Joint Utility System	**Tank Farm Relocation** - Relocate the existing tank farm to a more stable location. Due to permafrost and climate change, the existing tank farm location is subject to differential settling that requires ongoing leveling and maintenance to avoid tank failure. The bulk fuel tank farm supports community electric power generation needs which in turn provides essential support to the community water system (freeze protection through use of waste heat from electric generation activities and power for water circulation pumps).	$5,940,000			X	5 to 20	na	Effective Utility Mgmt	5/15/2023	SFY23-Q2
34	48		AK2240456 (5,003)	Homer	**Shellfish Avenue Water Tank** - Design and construct a 750,000-gallon steel water storage tank on the north side of Shellfish Avenue. Install pipe necessary to connect the new storage tank to the water main on Tasmania Court.	$7,280,000			X	20 to 30	na	na	6/30/2022	SFY23-Q1
35	46		AK2120193 (1,201)	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	5/19/2023	SFY23-Q1
36	43		AK2240456 (5,003)	Homer	**A Frame Water Tank** - Design and construct a 250,000 gallon water storage tank on the north side of Dehel Avenue to provide a backup supply in the event of a waterline failure.	$2,081,000			X	20 to 30	na	na	6/30/2022	SFY23-Q1
37	8		AK2110601 (920)	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	***$91,088,661***	***$3,170,290***	***$3,455,000***			***$7,205,408***			
AMENDMENTS TO EXISTING LOANS														
			AK2340010 (3,598)	Nome Joint Utility System	**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
					LOAN AMENDMENT SUBTOTAL	***$1,051,012***	***$0***	***$0***						
SUSTAINABLE INFRASTRUCTURE PLANNING PROJECTS														
1	113	X	AK2271999 (6,080)	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. Preliminary engineering also includes a truck fill port. 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.	$100,450	$75,000		X	5	na	Planning	3/22/2021	SFY22-Q1
2	51	X	AK2120193 (1,201)	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

Rank	Score	Within Funding Limits [1]	Public Water System ID# (Community Population)	Applicant	Project Name and Description	Requested Loan Amount	Estimated Principal Forgiveness [2] (SFY22 and previous years)	Estimated Principal Forgiveness [2] (SFY23)	Disadvantaged Community	Loan Term [3] (years)	Green Project Amount (Type)	Sustain-ability Policy	Estimated Start Date	Quarter Added to PPL
4	50	X	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
5	50	X	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
6	50	X	AK2240456 (5,810)	Homer	**Water Master Plan** - Update the water system portion of the 2006 Water and Sewer Master Plan.	$78,303		$75,000	X		na	Planning	4/30/2023	SFY23-Q3
7	45	X	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
8	45	X	AK2211229 (350)	Unified Alaskan Utilities	**Moorehand Main Line Acoustic Assessment** - Combined leak detection and acoustic condition assessment of the distribution system.	$44,075				5	na	Planning	7/30/2021	SFY22-Q2
9	45	X	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
10	45	X	AK2221834 (2,375)	Unified Alaskan Utilities	**Mile 8 Water Main Leak Detection and Condition Assessment** - Perform leak detection study in areas of the distribution system that showed evidence of leakage during a 2021 leak survey. Perform condition assessment on 6000 linear feet of critical transmission mains to determine remaining useful life.	$93,187		$75,000	X	5	na	Planning	7/31/2022	SFY23-Q2
11	41	X	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
12	41	X	AK2111566 (1,713)	Haines Borough	**Water System Modeling** - Model water system function and integrate with Geographic Information System.	$100,000		$75,000	X	5		Planning	4/3/2023	SFY23-Q1
13	36	X	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	***$1,031,415***	***$457,000***	***$225,000***						
					TOTAL FUNDING REQUESTED (ALL CATEGORIES)	***$93,171,088***	***$3,627,290***	***$3,680,000***						

Alaska Drinking Water Fund
Programmatic Financing (Pro Fi) Projects

Applicant: Anchorage Water and Wastewater Utility
SFY22 Loan Request: $10,000,000
SFY23 Loan Request: $10,304,964
Loan Term: 20 years

Year		Number	Project Name	Description
SFY22		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.
SFY22		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.
SFY22		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.
SFY22		D19-01b	92nd Ave Pressure Reducing Valve (PRV)	Construct a new pressure reducing valve facility.
SFY22		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.
SFY22		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).
SFY22	SFY23	D19-01a	Dowling Road PRV	Construct a new pressure reducing valve facility.
SFY22		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.
SFY22		D-20-23	Eklutna Water Treatment Facility Energy Recovery Station Control Improvements	Rehabilitate the control infrastructure for the water treatment energy recovery station.
SFY22	SFY23	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.
SFY22	SFY23	D-22-13	Girdwood Well Site Upgrade	Design modifications intended to improve reservoir water circulation.
SFY22	SFY23	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.
SFY22		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.
SFY22		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.
SFY22		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 PRV Station at Oceanview North and Bowman School, and abandon three existing PVR stations.
	SFY23	D-23-01	Tanglewood Place Water Rehabilitation	Replace existing cast iron pipe with a history of water breaks and construct an intertie to the dead-end water main. Work is located in the vicinity of Tanglewood Place between Milky Way Drive and West 36th Avenue.
SFY22		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.
SFY22		D-22-12	Upper Eagle River Flow	Complete booster station upgrades at Meadow Creek and Norfolk Booster Stations including pump upgrades and suction piping.
SFY22	SFY23	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.