

## Alaska Drinking Water Fund - State Fiscal Year (SFY) 2019 Project Priority List - 4th Quarter Update

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Rank	Score	Public Water System ID# (Population)	Applicant	Project Name and Description	Requested Loan Amount	Estimated Additional Subsidy (1)	Disadvantaged Community	Distressed Community	Requested Loan Term (Yrs) (2)	Green Project Amount (Type)	Sustainability Policy	Estimated Construction Start	Quarter Added to PPL
1	185	AK2211229 (575)	Alpat Water Utility Homestead Service Area	<b>Well Facility and Transmission Main</b> - Construct a well, well house and transmission main to serve the entire Homestead and Meadow Ridge service area from one facility with redundancy to maintain continuous service. Also included is lead detection equipment.	\$693,551	\$346,776	X		20 to 30	\$ 693,551 (Energy)	Fix It First	8/1/2018	Q1
2	171	AK2340010 (3,797)	Nome Joint Utility System	<b>Bering Street Water System Replacement</b> - Replace leaking 33 year old "Sclaircore" direct bury (and joint trench) water distribution piping in coordination with an Alaska Department of Transportation & Public Facilities project.	\$2,433,988	\$500,000	X		5 to 20	\$ 2,433,988 (Energy)	Fix It First	6/1/2020	Q1
3	161	AK2310926 (950)	Valley Water Company, Inc.	<b>Water System Upgrade and Rehabilitation</b> - 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		X		5 to 20	\$350,000 (Energy)	Fix It First	10/1/2018	Q3
4	151	AK2110619 (253)	Haines Borough	<b>Small Tracts/Mud Bay/Front AC Pipe Replacement</b> -Replace approximately 3,300 feet of asbestos cement (AC) pipe with C-900 PVC on Small Tracts/Mud Bay roads and Front Street. The AC pipe is aging and deteriorating. Replacement will prevent leaks or a major line break.	\$2,284,590	\$500,000	X		20 to 30	\$ 2,284,590 (Energy)	Fix It First	6/3/2019	Q1
5	145	AK2320086 (556)	North Slope Borough	<b>Wainwright Water Plant Replacement</b> - 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		X		5 to 20	TBD (Energy)	Fix It First	12/1/2019	Q4
6	146	AK2260294 (915)	Sand Point	<b>Water Distribution System Upgrade</b> - 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		X		5 to 20	\$218,800 (Water)	Fix It First	7/1/2019	Q3
7	131	AK2210906 (297,483)	Anchorage AWWU	<b>Ship Creek Water Treatment Facility Comprehensive Improvements</b> - Improvements to the electrical, mechanical, structural, HVAC, and fire alarm system are proposed including a new sprinkler system. Other proposed work includes plant wide audible alarm and paging system, networking infrastructure, instrumentation and control upgrades, enclosed truck bay, and supply storage areas. Originally constructed in 1961, the facility is need of upgrades to address the aging facility that serves to meet peak demands and serves as a backup to the Eklutna Water Treatment Facility.	\$5,000,000				5 to 20	\$750,000 (Energy)	Fix It First	7/6/2017	Q3
8	121	AK2210906 (297,483)	Anchorage AWWU	<b>Mink Avenue Water Rehabilitation</b> - Reconstruct approximately 550 feet of 6- inch cast iron water main to prevent a structural pipe failure and resulting emergency excavation. Existing pipe is approximately 50 years old.	\$371,000				5 to 20		Fix It First	6/1/2018	Q1
9	121	AK2210906 (297,483)	Anchorage AWWU	<b>Thunderbird Grandview Subdivision Water Upgrade</b> - Replace or rehabilitate existing water distribution main in the Thunderbird Grandview subdivision area. Condition assessment of the project pipe and the leak history of the area were used to identify this project. Project was submitted in SFY18 as Primrose E17th E18th Water Rehabilitation due to change in scope of project.	\$1,508,000				5 to 20		Fix It First	6/1/2018	Q1
10	121	AK2210906 (297,483)	Anchorage AWWU	<b>E 43rd Thorne Dale to Piper Rehabilitation</b> - An increase of \$850,783 to an existing loan agreement (Project # 131531) is requested. During the design phase, it was determined that an additional amount of cast iron water main requires replacement.	\$1,333,783				5 to 20		Fix It First	5/31/2019	Q4
11	120	AK2350235, AK2320426, AK2320256, AK2320086 (1,743)	North Slope Borough	<b>Water Distribution Pump Variable Frequency Drives (VFDs)</b> - Design and construction/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		X	X	< 5	\$456,000 (Energy)	Fix It First	9/2/2019	Q4
12	115	AK2210906 (297,483)	Anchorage AWWU	<b>Girdwood Well Site Upgrade</b> - In Girdwood, all water is produced and distributed from two wells. This project will enhance the reliability of the source through design and construction of upgrades to the backup power system and the replacement of the hypochlorite generation system. During the design phase of the project the condition of other systems at the well site will be evaluated for potential upgrades as part of the project.	\$468,000				5 to 20	\$ 150,000 (Energy)	Fix It First	1/18/2019	Q1

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13	115	AK2270320 (1,049)	Chevak	<b>Chevak Helical Pile Installation (Water)</b> - Install 2 helical piles per 10 feet of water distribution piping. Approximately 50 supports shall be installed. Helical piles provide support and consistent leveling for the utilidor. Without stabilization, ground shifts create gaps along the utilidor leading to water and sewer line freeze-ups.	\$33,675	\$26,940	X	X	< 5		Fix it First	7/1/2018	Q1
14	110	AK2260367 (516)	New Stuyahok	<b>New Stuyahok Curb Stops Installation</b> - 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	X	< 5		Effective Utility Mgmt	7/1/2018	Q1
15	110	AK2340109 (686)	Noorvik	<b>Noorvik Utilidor Replacement (Water)</b> - Replace existing damaged utilidor with new aluminum insulated utilidor. Existing main water piping shall be replaced as needed. Utilidor will be relevelled on-site.	\$29,275	\$23,420	X	X	< 5		Fix it First	7/1/2018	Q1
16	110	AK2340183 (705)	Savoonga	<b>Savoonga Helical Pile Installation (Water)</b> - Install 2 helical piles per water main support. Approximately 75 supports shall be installed. Helical piles provide support and consistent leveling for the utilidor. Without stabilization, ground shifts create gaps along the utilidor leading to water and sewer line freeze-ups.	\$37,463	\$29,970	X	X	< 5		Fix it First	7/1/2018	Q1
17	105	AK2260197 (2,500)	Dillingham	<b>Water System Improvements</b> - Construct approximately 5,770 feet of new water mains to eliminate dead ends, replace approximately 2,965 feet of asbestos cement pipe, install additional fire hydrants, rehabilitate or replace water main valve boxes.	\$532,500		X		20 to 30		Fix It First	4/1/2019	Q4
18	101	AK2210906 (297,483)	Anchorage AWWU	<b>Becharof-Rakof-Chirkof Water Main Rehab</b> -Replace approximately 988 feet of 8-inch cast iron water main and 660 feet of 6-inch water main at the end of its useful life. Install interties to reduce the COF of each of these pipes.	\$1,875,000				5 to 20		Fix It First	8/15/2018	Q1
19	101	AK2210906 (297,483)	Anchorage AWWU	<b>Boston Street Water Rehab</b> - Replace approximately 895 feet of 6-inch cast iron water main at the end of its useful life.	\$896,000				5 to 20		Fix It First	6/1/2018	Q1
21	101	AK2210906 (297,483)	Anchorage AWWU	<b>E 7th Lane to Pine Water Rehab</b> - Replace approximately 572 feet of 6-inch cast iron water main at the end of its useful life.	\$458,000				5 to 20		Fix It First	8/15/2018	Q1
22	101	AK2210906 (297,483)	Anchorage AWWU	<b>E Northern Lights Blvd Augustine Water Upgrade</b> - Rehabilitate or replace approximately 1,570 feet of 8-inch ductile iron pipe that at the end of its useful life.	\$830,000				5 to 20		Fix It First	1/19/2019	Q2
23	101	AK2210906 (297,483)	Anchorage AWWU	<b>Gruening Reservoir/Booster/Well Station Rehabilitation</b> - 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.	\$1,071,000				5 to 20	\$ 500,000 (Energy)	Fix It First	9/24/2018	Q1
24	101	AK2210906 (297,483)	Anchorage AWWU	<b>Inlet Place Water Rehabilitation</b> - Replace approximately 710 feet of 6-inch cast iron water main at the end of its useful life.	\$486,000				5 to 20		Fix It First	6/25/2018	Q1
25	101	AK2210906 (297,483)	Anchorage AWWU	<b>San Antonio-Camila-San Rob Water Rehabilitation</b> - Replace 2,300 feet of water main, numerous water service lines, and adjacent fire hydrants within the right-of-way that are approaching the end of useful life.	\$1,390,000				5 to 20		Fix It First	6/1/2018	Q1
26	101	AK2210906 (297,483)	Anchorage AWWU	<b>W 43rd Aero Constellation Water Rehabilitation</b> - Replace approximately 1,023 feet of 6-inch cast iron water main at the end of its useful life.	\$818,000				5 to 20		Fix It First	7/18/2018	Q1
27	101	AK2210906 (297,483)	Anchorage AWWU	<b>Tanglewood Place Water Rehabilitation</b> - Replace approximately 600 feet of aging 6-inch cast iron water main.	\$395,000				5 to 20		Fix It First	6/1/2018	Q1
28	101	AK2120193 (1,548)	Craig	<b>Replace 5.5 miles of Raw Water Main</b> - 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	Q1
29	101	AK2120193 (1,548)	Craig	<b>Spruce Street Storage Tank</b> - This tank provides additional storage capacity to meet peak water demands. The 30-year-old wooden storage tanks requires the following improvements: repair leaks; install variable frequency drive pump, pressure switch, and associated controls to operate manually or automatically; install automated input pipe with control valve.	\$219,000		X		5 to 20		Fix It First	10/01/2018	Q1

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30	101	AK2260244 (972)	King Cove	<b>Recoat Water Storage Tank</b> - 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		X		5 to 20		Fix It First	8/15/2018	Q2
31	91	AK2240757 (2,787)	Seward	<b>Gateway Water Tank</b> - Refurbish the Gateway water storage tank roof to prevent leaks and to provide structural support due to snow load.	\$300,000	\$150,000	X		5 to 20	\$ 300,000 (Energy)	Fix it First	9/3/2018	Q1
32	81	AK2210906 (297,483)	Anchorage AWWU	<b>Jewel Lake Intertie</b> - Construct approximately 1400 feet of 16-inch backbone water main and associated interties between 84th and 88th Avenue as part of a road widening project. Identified in the 2012 Water Master Plan, this project will provide needed backbone piping redundancy and address several dead ends that could be susceptible to water quality issues.	\$1,100,000				5 to 20		Fix It First	6/1/2018	Q1
33	80	AK2260325 (817)	Togiak	<b>Togiak Water Treatment Plant Heat Recovery</b> - Design and construct a heat recovery system to provide waste heat from the power plant to serve the water treatment plant. The project is anticipated to reduce the fuel used by the WTP by approximately 7,795 gallons of fuel annually.	\$770,719		X	X	20 to 30	\$ 770,719 (Energy)	Effective Utility Mgmt.	6/1/2019	Q2
34	76	AK2210906 (297,483)	Anchorage AWWU	<b>486 Zone Debarr Intertie</b> - Construct approximately 700 feet of 16-inch water main between the Anchorage Loop Debarr PRV Vault and Early View Drive located in East Anchorage including piping modifications within the Debarr PRV vault. 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.	\$1,022,000				5 to 20		Fix It First	6/25/2018	Q1
35	76	AK2210906 (297,483)	Anchorage AWWU	<b>92nd Ave Intertie Zone Conversion</b> - Construct 750 feet of 12-Inch water intertie and associated appurtenances between 94th Ave. and Lakewood Court. This project will also convert the 320 pressure zone to the 347 pressure zone and provides redundancy in water service.	\$639,000				5 to 20		Effective Utility Mgmt.	9/25/2018	Q1
36	76	AK2210906 (297,483)	Anchorage AWWU	<b>Briarwood Dimond Intertie</b> - Construct approximately 400 feet of water main on Dimond Blvd. between the Old Seward Highway and Spring Street. The project will provide for redundancy for water service to residential and commercial customers between Dimond Boulevard, Lore Road, the Old Seward Hwy and the New Seward Hwy.	\$340,500				5 to 20		Effective Utility Mgmt.	9/24/2018	Q1
37	76	AK2210906 (297,483)	Anchorage AWWU	<b>Eagle River Well Rehab - Norfolk, Gruening, Well #8</b> - Rehabilitate one or more wells that are currently incapable of production in order to reduce the risk of a supply outage to the area and reduce the risk of cross connection due to outage.	\$750,000				5 to 20	\$ 500,000 Energy	Fix It First	6/1/2018	Q1
38	76	AK2210906 (297,483)	Anchorage AWWU	<b>Northern Community Zone Conversion Projects</b> - Design and construct a series of projects to combine pressure zones in the northern communities. Pressure zone conversion will provide for operational flexibility and efficiencies within the water distribution system. The pressure zone conversions include; merging the 484 and 520 zones, the 440 and 520 zones, and the 570 and 600 pressure zones.	\$2,486,121				5 to 20		Effective Utility Mgmt.	9/25/2018	Q1
39	75	AK2340418 (399)	Brevig Mission	<b>Water Treatment Plant Heat Recovery</b> - Harness waste heat from the power plant generators and transfer that heat using heat exchangers and a glycol loop to offset fuel usage at the water treatment plant.	\$550,000	\$440,000	X	X	20 to 30	\$ 550,000 (Energy)	Effective Utility Mgmt.	6/1/2018	Q1
40	75	AK2320086, AK2320426 (745)	North Slope Borough	<b>Wainwright &amp; Point Hope Water Plant SCADA Upgrade</b> - Design & construct/install upgrades to allow remote SCADA (Supervisory Control and Data Acquisition) 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		X	X	< 5		Effective Utility Mgmt.	10/1/2019	Q4
41	71	AK2120193 (1,548)	Craig	<b>Radio Read Water Meter Upgrade</b> - Install new water meters with radio read components.	\$195,000		X		20 to 30	\$ 189,000 (Water)	Effective Utility Mgmt.	6/25/2018	Q1
42	70	AK2280074 (173)	Holy Cross	<b>Water Treatment Plan Heat Recovery</b> - Design and construct a heat recovery system to serve the water treatment plant.	\$782,756	\$626,205	X	X	20 to 30	\$ 782,756 (Energy)	Effective Utility Mgmt.	7/1/2018	Q1
43	55	AK2340010 (3,797)	Nome Joint Utility System	<b>USDA Loan Refinance (Water)</b> - Refinance three water loans with USDA for facilities that were constructed and are now in operation.	\$882,700		X		5 to 20	\$ 882,700 (Energy)	Not Applicable	6/30/2006	Q1

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44	51	AK2120193 (1,548)	Craig	<b>New Water Source Study</b> - 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		X		5 to 20		Effective Utility Mgmt.	9/17/2018	Q1
45	51	AK2260244 (972)	King Cove	<b>Delta Creek USDA Loan Refinance</b> - Refinance a USDA loan for water system infrastructure.	\$1,000,000		X		20 to 30		Not Applicable	5/31/2018	Q1
46	51	AK2210906 (297,483)	Anchorage AWWU	<b>Eklutna Water Treatment Facility (EWTF) Power Service Rehab</b> - Replace or rehabilitate power service infrastructure and distribution equipment associated with the primary plant, portal facility and intake facility. The improvements will increase the reliability of power supply and reduce time spent on addressing power outage problems.	\$3,600,000				20 to 30		Effective Utility Mgmt.	6/30/2019	Q2
47	51	AK2210906 (297,483)	Anchorage AWWU	<b>Dowling Road PRV &amp; 92nd Avenue PRV</b> - This project will construct two PRVs and associated pipe inerties to ensure sufficient capacity is maintained in the area. The project was previously proposed in a questionnaire in SFY18. The amount of the loan request has been increased.	\$3,383,000				5 to 20		---	5/1/2019	Q4
48	46	AK2210906 (297,483)	Anchorage AWWU	<b>Updated Water Master Plan</b> - Update the AWWU Water Master Plan. The water master plan provides a guide for future expansion, modifications, and rehabilitation over a 20-year planning horizon.	\$553,341				5 to 20		Effective Utility Mgmt.	1/19/2019	Q1
49	46	AK2120193 (1,548)	Craig	<b>Water Plant Contact Chamber Baffles</b> - 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. An additional 30,000 gallon baffled storage tank is also needed.	\$588,200		X		5 to 20		Effective Utility Mgmt.	9/17/2018	Q1
50	46	AK2210906 (297,483)	Anchorage AWWU	<b>SW 260 Zone Capacity Improvements</b> - Construct a transmission main between Lake Otis and King Street and a PRV. These improvements will ensure sufficient capacity in the area and provide transmission main redundancy. A loan agreement was previously issued for design of this project (131551); the borrower is now requesting construction funding.	\$3,949,000				5 to 20		Effective Utility Mgmt.	3/1/2019	Q4
51	41	AK2214730 (375)	Potter Creek Water Co.	<b>Reservoir Security Upgrade</b> - Survey and record an easement for exclusive utility use, and construct a security fence around reservoir easement.	\$56,465				20 to 30		Effective Utility Mgmt.	7/20/2018	Q1
<b>TOTAL</b>					<b>\$60,937,227</b>	<b>\$ 3,171,951</b>				<b>\$11,812,104</b>			