

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

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POINT SOURCE PROJECT QUESTIONNAIRES

1	655	X	----	XII	Mile 8 Utilities, LLC	Leach Field Design and Construction - Design and construct an aerated leach field to eliminate a point source discharge into an anadromous stream. Rehabilitate pretreatment works to ensure leach field longevity. Replace pre-treatment lagoon liner.	\$525,987			X	20 to 30		Fix It First	5/1/2021	SFY21-Q1
2	650	X	AKG573029	III-B	Bristol Bay Borough	King Salmon Lagoon Upgrade - Upgrade current lagoon system to a ultraviolet (UV) treatment system to ensure discharges are compliant with permit requirements.	\$3,100,000		\$500,000	X	5 to 20		Fix It First	5/30/2023	SFY23-Q1
3	625	X	AKG572028	I	Ketchikan Gateway Borough	Mountain Point Wastewater Treatment Plant Upgrades - Install new vector waste intake at headworks, install new ultraviolet disinfection system, extend influent piping to reduce odors, new flow meters and additional basin instrumentation. These improvements will improve the quality of wastewater discharged to the ocean.	\$2,250,000		\$500,000	X	20 to 30		Fix It First	6/30/2024	SFY23-Q1
4	520	X	AK0021440	III-B	Ketchikan	Water Street Sewer Main Replacement - Replace or rehabilitate existing sewer lines that have been determined to be significant contributors to inflow and infiltration at the Charcoal Point Wastewater Treatment Plan and also contribute to a general decline in water quality in the area.	\$3,900,000	\$500,000		X	20 to 30		Fix It First	7/1/2022	SFY22-Q4
5	405	X	AK0021385	I	Haines Borough	Wastewater Treatment Plant Influent Upgrade - Demolish the existing wet well located within the control building and provide a new exterior wet well and a below-grade valve vault. This project will prevent debris from entering the plant during significant storm events and provide for safer working conditions within the plant.	\$2,115,758			X	20 to 30		Fix It First	6/1/2022	SFY23-Q1
6	310	X	AK0021890	I	Seward	Lowell Point Lagoon Blower Improvements - Remove and replace the main blowers at the Lowell Point wastewater treatment plant with high efficiency blowers.	\$547,500			X	5 to 20	Energy Efficiency TBD	Fix It First	8/5/2022	SFY23-Q1
7	310	X	AK0021890	I	Seward	Lowell Point Lagoon Fine Bubble Aeration - Upgrade 30-year old coarse bubble diffuser with new fine bubble diffuser to increase bacteria efficiency and reduce lagoon odors.	\$637,500			X	5 to 20	Energy Efficiency TBD	Fix It First	5/27/2022	SFY23-Q1
8	325	X	AK0021440	III-B	Ketchikan	Tongass Sewer Force Main Rehabilitation Phase II - Reconstruct a segment of aging force main. An in-situ rehabilitation technique called slip-lining has been proposed. This project would involve slip-lining approximately 1,250 feet or more of force main.	\$1,500,000			X	5 to 20	Energy Efficiency TBD	Fix It First	11/1/2021	SFY22-Q2
9	320	X	AK0022951	I	Juneau	Mendenhall Wastewater Treatment Plant (MWWTP) Influent Piping - Install new piping to bypass the now obsolete screening equipment located one floor above the rest of the treatment plant.	\$994,000				20 to 30	Energy Efficiency \$994,000	Fix It First	1/1/2022	SFY22-Q2
10	315	X	AK0021245	III-B	Homer	Beluga Sewer Lift Station Improvements - Reconfigure and rehabilitate the lift station to reduce corrosion and allow for greater ease of maintenance.	\$2,937,353			X	20 to 30	Energy Efficiency TBD	Fix It First	1/17/2022	SFY22-Q3
11	282 ⁽⁴⁾	X	AK0022551	I III-A III-B	Anchorage AWWU	SFY23 Programmatic Financing (Pro Fi) Loan - The applicant has provided a list of eligible projects including planning, design, engineering, and construction activities for wastewater infrastructure projects that may be financed through the SFY23 Pro Fi loan agreement (see attached Pro Fi project list).	\$22,511,580				20	Energy Efficiency \$2,000,000	Fix It First	5/1/2023	SFY23-Q1
12	280	X	AK0021555	III-B	Kodiak	Aleutian Homes Phase VII Wastewater Main Replacement - Replace 65-year old asbestos concrete wastewater collection system.	\$2,600,000			X	20 to 30		Fix It First	5/11/2021	SFY21-Q3
13	270	X	AKG573004	III-B IV-A	Dillingham	Waterfront Wastewater System Upgrade (Design) - Complete design for the extension and rehabilitation of the existing wastewater collection system in the Dillingham waterfront area.	\$44,125			X	20 to 30		Effective Utility Mgmt	6/1/2021	SFY22-Q1
14	270	X	AKG573004	III-B IV-A	Dillingham	Waterfront Wastewater System Upgrade (Construction) - Based on the proposed design plan for the waterfront area, construct improvements including the extension of the wastewater system as well as rehabilitation of the existing collection system.	\$603,550			X	20 to 30		Effective Utility Mgmt	7/1/2021	SFY22-Q1

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15	270	X	AK0020010	IV-A	Skagway	Waterfront Sewer Extension - Extend the collection system to waterfront properties for service to existing structures that are currently on septic systems and holding tanks.	\$2,187,500			X	20 to 30		Effective Utility Mgmt	4/1/2022	SFY22-Q1
16	270	X	AK0021245	IV-A	Homer	Mission Road Sewer Trunk Line - Install approximately 5,340 feet of 8-inch HDPE sewer trunk line pipe. This project would provide piped service to four homes located directly adjacent to the main and provide the opportunity to serve many more homes in nearby subdivisions.	\$1,493,506			X	20 to 30		Effective Utility Mgmt	1/17/2022	SFY22-Q2
17	270	X	AK0021245	IV-A	Homer	West Hill Road Sewer Trunk Line - Install approximately 17,320 feet of 8-inch ductile iron pipe and 2,250 linear feet of 3-inch force main. This project would provide piped service to about 75 homes located directly adjacent to the main and provide the opportunity to serve many more homes in nearby subdivisions.	\$2,937,353			X	20 to 30		Effective Utility Mgmt	1/17/2022	SFY22-Q2
18	260	X	AK0021245	IV-A	Homer	Bunnell-Charles Way Sewer Main Extension - Extend the wastewater collection system to provide piped service to 23 developed central business district lots that currently use temporary service connections, holding tanks, or outhouses for sanitary service.	\$631,834			X	20 to 30		Effective Utility Mgmt	8/1/2021	SFY22-Q1
19	190	X	---	III-B	Kotzebue	Fire Hall Lift Station and Sewer System - Replace sections of existing gravity main with 8-inch insulated pipe, replace the existing Fire Hall Lift Station, construct an additional 8-inch insulated arctic force main to allow for increased capacity in transmission of wastewater to Lagoon Cell 1 from existing lift stations.	\$2,662,000			X	5 to 20		Fix It First	9/1/2022	SFY23-Q2
20	180	X	AK0020036	I	Soldotna	Biosolids Dewatering System - Design and construct dewatering belt press replacement including equipment selection, facility modifications, and installation.	\$1,200,000			X	5 to 20		Fix It First	7/1/2023	SFY23-Q2
21	180	X	AK0020036	I	Soldotna	Refurbish Headworks Building - Update the existing headworks building to include air sensors, screening, dewatering, compacting, and grit removal. The existing equipment has been in place more than 30 years and has exceeded its useful life.	\$850,000			X	5 to 20		Fix It First	1/1/2027	SFY23-Q2
22	125	X	AK0021890	---	Seward	Lowell Point Lagoon Fence - Replace security fencing around wastewater treatment lagoon.	\$49,094			X	<5 years			5/1/2022	SFY22-Q4
23	115	X	2007-DB0003		Nome	Equipment Response / Storage / Office Facility - Construct a building to support sewer utility, amalgamate ancillary facilities, reduce operating costs, protect equipment, and improve health and safety of the work environment. The facility will also support the drinking water 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	Energy Efficiency \$1,000,000	Effective Utility Mgmt	1/17/2022	SFY22-Q2
24	80	X	2003DB0096-1016	I	Craig	Wastewater Treatment Plant Roof Replacement - Replace leaking roof to protect treatment plant components. Upgrade insulation designed for corrosive environment.	\$400,000			X	5 to 20			8/15/2022	SFY23-Q1
25	55	X	AK0020036	I	Soldotna	Water Treatment - Study and treat groundwater at existing municipal wells to limit concentrations of metals (copper and zinc) from the City's wastewater treatment plant effluent discharges to the Kenai River in accordance with anticipated new permit limits.	\$2,600,000			X	5 to 20			7/1/2025	SFY23-Q2
26	55	X	AK0020036	I	Soldotna	pH Control at Wastewater Treatment Plant - Design and construct modifications to allow continuous monitoring of effluent pH levels.	\$260,000			X	5 to 20			3/1/2023	SFY23-Q2
27	35		AK0020010	IV-A	Skagway	Klondike Highway Sanitary Sewer Extension - Extend sanitary sewer to an unserved area.	\$3,948,700			X	20 to 30		---	4/1/2021	SFY21-Q1
28	30		9725DB005		Bethel	Refinance USDA RD Loan for Construction of Jetty at Sewage Lagoon - Refinance principal balance of existing loan/grant issued by US Department of Agriculture Rural Development for construction of a jetty and the purchase of two sewage haul trucks.	\$913,000			X	5 to 20		---	6/22/2022	SFY23-Q2
POINT SOURCE SUBTOTAL							\$69,425,340	\$500,000	\$1,000,000			\$4,444,000			

NONPOINT SOURCE PROJECT QUESTIONNAIRES

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1	195	X	---	VII-F	Cordova	Piling Replacement and Waste Handling - Remove and replace approximately 135 creosote pilings in the South Harbor with steel pilings. Install a marine boat sewage pump station to allow boats to dispose of sewage and gray water.	\$2,000,000			X	20 to 30			1/2/2022	SFY22-Q1
2	160	X	---	VI-B	Homer	Baycrest Storm Drainage - Design and construct a system to capture and convey stormwater away from highly erodible bluffs. The project would include property acquisition as well as storm drain and retention basin construction in conformance with state and federal permitting requirements. Through the conveyance system, concentrated runoff may be used to generate hydroelectricity.	\$1,000,000			X	5 to 20	Environmental Innovation TBD		5/1/2022	SFY22-Q4
3	160	X	---		Kotzebue	Storm Drain Planning, Design and Construction - Conduct inflow and infiltration study for Lift Station 8. Conduct hydrologic study to identify areas draining toward Lift Station 8 to estimate stormwater flow diversion needs, assess snow storage methods and locations. Construct storm drain with thaw wire. Based on recommendations of snow management planning, implement eligible capital improvements for snow management in catchment area.	\$2,456,000			X	5 to 20			9/1/2022	SFY23-Q2
4	140	X	---	VI-B	Homer	Ben Walters Drainage Stormwater Treatment - Acquire 8.18 acres of private, undeveloped land adjacent to Beluga Lake. Design and construct storm drain and sediment control works in conformance with state and federal permitting requirements.	\$280,190			X	5 to 20	Environmental Innovation TBD		5/1/2022	SFY22-Q4
5	140	X	---	VI-B	Homer	Bishop's Beach Stormwater Pollution Control - Design and construct a system to channel untreated stormwater into a green infrastructure feature before discharge to Beluga Slough and Kachemak Bay. Project would include acquisition of 2.49 acres of land and construction of green infrastructure features in conformance with state and federal permitting requirements.	\$290,978			X	5 to 20	Environmental Innovation TBD		7/1/2022	SFY22-Q4
6	140	X	---		Nome	Tank Farm Relocation - Relocate the existing tank farm to a more stable location. Due 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 and sewer system. The tank relocation site is a former US Air Force contaminate site that will require specific site development and construction attributable to the brownfield site. These costs are proposed for financing through the Clean Water Fund as a nonpoint source project.	\$4,500,000			X	5 to 20			5/15/2023	SFY23-Q2
7	135	X	---	VII-J	King Cove	Landfill Cell Capping and Closure - Install a partial closure system as required by state regulations (18 AAC 60.390) to stabilize slopes, minimize infiltration of liquids and soil erosion, and protect against the release of hazardous constituents to the environment at the King Cove Landfill.	\$67,318			X	5 to 20			10/1/2021	SFY22-Q3
8	115	X	---	VI-B	Homer	Beluga Wetland / East Kachemak Drive - This project would involve the acquisition, or conservation easement designation, of 80 acres of wetland in a predominately industrial area to be used as a stormwater retention and treatment area. Design and construct storm drain and outfall in conformance with state and federal permitting requirements.	\$1,000,000			X	5 to 20	Environmental Innovation TBD		1/31/2022	SFY22-Q4
9	45	X	---	VII-J	Fairbanks North Star Borough	Cell 4 Expansion - Design and construct a new lined landfill cell. Costs specifically associated with landfill leachate collection and treatment may be eligible for financing through the SRF Program.	\$7,000,000				5 to 20			3/15/2022	SFY23-Q1
10	10	X	---	VII-J	Matanuska Susitna Borough	Landfill Gas Collection System - Install vertical wells in two closed cells to extract gas that will be burned with a flare. Proper management of the landfill reduces leachate quality issues.	\$2,420,000			X	5 to 20				SFY21-Q2
NONPOINT SOURCE SUBTOTAL							\$21,014,486	\$0	\$0						

AMENDMENT TO EXISTING LOAN AGREEMENT

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		X	AK0021385	IV-A	Haines Borough	Wastewater Influent and Pump Station Upgrade (Loan 395261-S) - Loan amendment to increase existing loan amount by \$80,000 (total loan request \$659,867) and modify the scope of the existing loan agreement to include construction of 500 linear feet of sewer main at the correct and depth an alignment to tie into the original main. The project scope has also been amended to include Supervisory Control and Data Acquisition (SCADA) system and PLC upgrades to monitor and track the system remotely.	\$80,000			X	20				SFY23-Q1
			2007-DB0003	III-B	Nome	Nome Bering Street Sewer Improvements (Loan 627251-SG) - Loan amendment to modify the scope of the existing Bering Street loan agreement to include replacement of sewer lines along Seppala Drive. No additional loan funds are requested.	---			X	20				SFY22-Q1
		X	Pending	I	Matanuska Susitna Borough	Matsu Septage and Leachate Treatment Facility (Loan 561041) - Loan amendment to increase existing loan amount by \$1,000,000 and amend project scope as follows: Design a new energy efficient septage and leachate facility to minimize septage and leachate costs and environmental impacts in the Matanuska-Susitna Valley. Additionally, this project will install a landfill leachate treatment facility.	\$1,000,000			X	20		Effective Utility Mgmt		SFY21-Q1
	425	X	----		Kodiak Island Borough	Leachate Treatment Plant / Stage 3 Landfill Closure (Loan 505041) - Loan amendment to increase existing loan amount by \$4,455,360 and amend project scope to include the following: Design and construct a new building and pre-treatment system to remove calcium carbonate that has damaged existing plant. Place final and interim cover on landfill to reduce the volume of leachate that needs to be managed through the onsite leachate treatment plant. An existing SRF loan will be amended to include this increased cost and the modified scope of work for this project.	\$4,455,630			X	20 to 30		---		SFY23-Q3
	260	X	----		North Pole	Sewage Effluent Outfall Project (Loan 633021-S) - Loan amendment to increase existing loan amount by \$350,000 and amend project scope as follows: A modification to the current outfall location for the wastewater treatment plant is needed due to a change in surface water flow in the Tanana River. This project will design a solution using the current outfall location.	\$350,000				20 to 30		---		SFY23-Q3
							\$5,885,630	\$0	\$0						

SUSTAINABLE INFRASTRUCTURE PLANNING PROJECT QUESTIONNAIRES

1	65	X	AK0021555	Plan & Assess	Kodiak	Infiltration and Inflow (I&I) Assessment and Reduction - Flow monitoring, flow data analysis and identification of areas with high I&I through closed-circuit television inspections and manhole inspections.	\$165,000	\$75,000		X	5		Planning	6/1/2020	SFY21-Q1
2	55	X	AK0021385	Plan & Assess	Haines Borough	Haines Sanitary Sewer Inflow and Infiltration (I&I) Study - Flow monitoring, flow data analysis and identification of areas with high I&I through closed-circuit television inspections and manhole inspections.	\$100,000	\$75,000		X	5		Planning	10/3/2022	SFY23-Q1
3	55	X	9725DB005	Plan & Assess	Bethel	Community-wide Utility System Expansion Preliminary Engineering Report and Environmental Assessment - Complete the planning documents necessary to estimate the cost to construct a wastewater collection 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 system with the cost split between the Alaska Drinking Water and Clean Water Funds.	\$100,450	\$75,000		X	5		Planning	3/22/2021	SFY22-Q1
4	55	X	AKG573004	Plan & Assess	Dillingham	Wastewater 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		Planning	6/1/2021	SFY22-Q1
5	55	X	AKG573004	Plan & Assess	Dillingham	Wastewater Master Plan - Update the wastewater portion of the 2003 Water and Sewer Master Plan.	\$69,183	\$45,000		X	5		Planning	6/1/2021	SFY22-Q1

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SUSTAINABLE INFRASTRUCTURE PLANNING LOAN SUBTOTAL							\$464,633	\$300,000	\$0						

MICRO LOAN QUESTIONNAIRES (UPPER LIMIT OF \$500,000)

1	475	X	AK2250053	III-B	Unalakleet	Covenant Lift Station Rehabilitation and Septic Pumper Purchase - The purpose of this project is to rehabilitate a 45-year old lift station subject to freezing issues and sewage backups. Rehabilitation will include replacement of the heating and ventilation systems, overhead crane, safety grating, and electrical systems. A new septic pumper truck will also be purchased.	\$488,620	\$342,034		X	20		Fix It First	5/1/2022	SFY20-Q2
2	310	X	AKG380006	III-B	Seldovia	Lift Station Pump Replacement - Purchase and install two new pumps in the Beach and Slough lift stations and purchase one additional pump to serve as backup in case one pump fails.	\$48,125	\$33,688		X	10	Energy Efficiency \$40,000	Fix It First		SFY22-Q1
3	200	X	AKG573025	III-B	Togiak	Lift Station Pump Replacement - Rebuild/replace three lift station pumps including new impellers, bearings and armatures and purchase three backup pumps. Purchase a small backhoe specifically for the purpose of repairing/replacing utility lines. Purchase a new jetter truck for sewer line maintenance.	\$500,000		\$450,000	X	20	Energy Efficiency TBD	Fix It First		SFY23-Q2
MICRO LOAN SUBTOTAL							\$536,745	\$375,722	\$450,000			\$0			
TOTAL FUNDING REQUESTED (ALL CATEGORIES)							\$97,326,834	\$875,722	\$1,450,000			\$4,484,000			

EPA Needs Category Codes	I Clean Water Treatment - Secondary Treatment Plant III-A Clean Water Treatment - Infiltration/Inflow Correction	III-B Clean Water Treatment - Sewer System Replacement/Rehabilitation IV-A Clean Water Treatment - New Collector Sewers & Appurtenances	VI-B Green Infrastructure VII-F Nonpoint Source Resource Activity - Marinas	VII-J Nonpoint Source Resource Activity - Sanitary Landfills XII Nonpoint Source Resource Activity - Individual/Decentralized Systems
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Alaska Clean Water Fund Programmatic Financing (Pro Fi) Projects

Applicant: Anchorage Water and Wastewater Utility

SFY22 Loan Request: \$10,000,000

SFY23 Loan Request: \$22,511,580

Loan Term: 20 years

Year	#	Project Name	Description
SFY22	---	C-19-03 Downtown Sewer Rehabilitation Phase III (individual projects listed below) Downtown Sewer Phase III, C&D Street Downtown Sewer Phase III, West 8th, N-P Street Downtown Sewer Phase III, D&E Street Downtown Sewer Phase III, H&I Street Downtown Sewer Phase III, M Street Downtown Sewer Phase III, West 2nd Avenue	Rehabilitate sewer main in downtown Anchorage. The sewer mains are located within the streets noted below.
SFY22	---	C-19-04 AWWTF Scum Pump & Inline Grinder	Make improvements to the scum handling system from the clarifiers to the incinerator. Improvements include piping, pumps, heating, insulation and controls.
SFY22	---	C-19-05b King Street Septage Receiving Station	Design and construct upgrades to existing Septage Receiving Station with pretreatment equipment and increase user access. The pretreatment equipment will prevent collection system from having sanitary sewer overflows.
SFY22	SFY23	C-19-05c King Street Warm Vehicle Storage	Design and construct a storage building to house equipment, necessary to operate and maintain the AWWU water and sewer infrastructure.
SFY22	SFY23	C-19-05e King Street Main Building Upgrade	Design and construct various improvements to AWWU's King Street O&M Facility Administrative Building. Improvements include expanding and remodeling interior spaces and systems, and enclosing covered areas to increase the capacity, productivity, and efficiency of AWWU's support maintenance group.
SFY22	SFY23	C-19-05f King Street Fuel Storage Improvements	Relocate the existing fuel storage and dispensing system. This project will also streamline the traffic pattern within the facility.
SFY22	---	C-19-09 Pump Station 52 Improvements	Abandon and demolish existing sewage lift station and piping. Design and construct or install new sewage pump station, valve vault, wet well, sanitary sewer manholes, two pumps, check valves, pump controls, electrical upgrades, and standby generator. Temporary sewer bypass system will be used during construction. Existing utilities will be relocated within existing developed easements and right-of-way to accommodate work and provide better access.
SFY22	---	C-19-10 AWWTF Storage	Add additional warm storage for equipment, materials and sodium hypochlorite at Asplund Wastewater Treatment Facility.
SFY22	---	C-19-14 AWWTF Raw Sludge Pumps	Replace existing raw sludge pumps at Asplund Wastewater Treatment Facility.
SFY22	SFY23	C-20-25 Pump Station 2 Rehabilitation	Rehabilitate Pump Station 2 in order to reduce the risk of sanitary sewer overflows, emergency repairs. Replace high voltage electrical system, aging and corroding piping, valves, control systems, and various site improvements for Pump Station 2.
SFY22	---	C-22-01 E 42nd Ave Upgrade - Sewer	To prevent sewer backups associated with bellies and damaged pipe, re-route a section of sewer main to a new alignment in a dedicated sewer easement within MOA right-of-way. The replacement sewer and manholes will be constructed on helical piles.
SFY22	SFY23	C-22-02 Pump Station 12 Force Main Interceptor C - Gravity Junction Rehab	Assess and rehabilitate Pump Station 12, force mains, gravity junction box, and the receiving 48-inch gravity sewer. The culverts that support the force mains for the Campbell Creek crossing will also be assessed and rehabilitated as part of the project.
SFY22	SFY23	C-22-03 Turpin Septage Receiving Station	Assess and rehabilitate the Turpin Septage Receiving Station.
SFY22	---	C-22-04 W 72nd Ave Trunk Rehabilitation	Rehabilitate a corroded 15-inch corrugated metal sewer main. This project will either line with cured-in-place pipe or directly replace the failing pipe.
SFY22	---	C-22-05 Wastewater Master Plan	Update the 25-year comprehensive plan for AWWU to maintain and modify sewer service for the Municipality of Anchorage. The plan describes the condition of the AWWU wastewater system, projects future wastewater needs, analyzes system deficiencies, recommends system improvements, and provides a schedule for implementation through the capital improvements program.
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