

CITY OF UNALASKA
UNALASKA, ALASKA

RESOLUTION 2025-31

A RESOLUTION OF THE UNALASKA CITY COUNCIL ADOPTING THE FY26-FY35 CAPITAL AND MAJOR MAINTENANCE PLAN

WHEREAS, the purpose of the Capital Major and Maintenance Plan (CMMP) is to formalize the process of identifying and completing capital projects and major maintenance projects; and

WHEREAS, the CMMP serves as a tool to help the City effectively and efficiently meet the needs of the community; and

WHEREAS, City Departments were invited to submit project nominations; and

WHEREAS, this planning document outlines anticipated or recommended projects and expenditures for the upcoming ten years; and

WHEREAS, City staff and City Council have had the opportunity to review and comment on the nominations and the FY25-FY34 CMMP.

NOW THEREFORE BE IT RESOLVED that the Unalaska City Council approves and adopts the ten-year CMMP, for FY25-FY34, as presented by the City Manager pursuant to Unalaska Code of Ordinances § 6.12.040, and as amended by City Council on May 13, 2025.

PASSED AND ADOPTED by a duly constituted quorum of the Unalaska City Council on May 13, 2025.



Vincent M. Tutiakoff, Sr.
Mayor

ATTEST:



Estkarien P. Magdaong, CMC
City Clerk



MEMORANDUM TO COUNCIL

To: Mayor and City Council Members
From: Cameron Dean, Planning Director
Through: William Homka, City Manager
Date: May 13, 2025
Re: Resolution 2025-31: Adoption of the FY26-35 Capital and Major Maintenance Plan

SUMMARY: City Council reviews the Capital and Major Maintenance Plan (CMMP) every year. The resolution tonight will adopt the FY26-35 CMMP.

PREVIOUS COUNCIL ACTION: Last year the Council approved the FY25-34 CMMP, with 31 projects and a total portfolio of \$119,767,593 over ten years. The first year of the CMMP is the most important because the financial figure represents what is approved to be budgeted. Council approved \$6,268,574 for FY25, excluding external funding.

Council approved Resolution 2025-04 adopting its priorities for this year's CMMP. Regulatory Compliance, Impact on Operational Budget and Infrastructure/Public Safety were identified as top concerns. Staff focused on these factors while reviewing the nominations.

BACKGROUND: Beginning in November, Planning Department staff have worked with each department to update their capital projects. The council has held four work sessions this year on new project nominations and various drafts of the CMMP.

DISCUSSION: The final draft of the FY26-35 CMMP proposes \$7,212,070 from the General Fund, \$6,444,908 from the 1% Fund and \$10,941,360 from proprietary funds in FY26. Some of this funding comes from the crab disaster relief the City received in FY25 and some was previously appropriated to other projects. These are explained in more detail below.

1% Fund	6,444,908
Electric Proprietary Fund	3,541,250
General Fund	7,212,070
Grant	2,675,000
Ports Proprietary Fund	6,285,110
Private Contribution (OC)	1,000,000
Solid Waste Proprietary Fund	265,000
Wastewater Proprietary Fund	150,000
Water Proprietary Fund	700,000
Total	28,273,338

Electric

Resolution 2025-32 tonight would close out the Makushin Geothermal capital project (EL22B), returning its remaining \$4,481,045 to the 1% Fund. This project was created as part of the power purchase agreement (PPA) with OCCP and was intended to fund upgrades to the City’s electric infrastructure to accommodate geothermal.

As discussed at the last work session, staff propose devoting the returned funds to two related efforts:

The Subtransmission Upgrades project essentially accomplishes the same upgrades to improve the reliability and capacity of the City’s electric grid. It is a three-year project that will be funded using a combination of the returned 1% Fund money, a grant and General Fund.

Makushin Geothermal Testing would drill a test well to prove the geothermal resource. Testing is currently estimated at \$2M. The City has asked the Ounalashka Corporation to split the cost evenly.

Robert Storrs Small Boat Harbor Improvements

The CMMP, as proposed, amends project PH905 to include the remaining funding—\$8,596,044—for the Robert Storrs Harbor A and B Float Replacement. This is approximately a \$200,000 increase from the total presented in the last worksession and is based on the most recent engineers’ estimate. This balance will be covered by the crab disaster relief (in the General Fund) and the 1% Fund.

Additionally, although not currently included in the CMMP budget, the Council can consider an allocation of \$368,528 for the construction of a 60-foot slip on the outside of A Float. Should the Council choose to include additional slip Council would have to further amend the CMMP to incorporate this additional project funding.

Remaining CMMP Council Presentations

6/10	1 st Reading of Final Budget
6/24	2 nd Reading of Final Budget

ALTERNATIVES: Council may direct Staff to make changes to the CMMP or reject it entirely.

FINANCIAL IMPLICATIONS: If Council adopts the CMMP, Staff will include its FY26 expenditures shown in the table above in the final budget.

LEGAL: City Code requires the City Manager to submit a capital improvement program for the following five fiscal years to accompany the proposed operating budget.

STAFF RECOMMENDATION: Staff recommends approval.

PROPOSED MOTION: I move to adopt Resolution 2025-31

CITY MANAGER COMMENTS: I support the staff's recommendation.

ATTACHMENTS:

FY26-35 CMMP Summary Sheets

FY26 CMMP Funding Table

FY26-35 CMMP Funding Table

FY26 Rolling Stock Replacement Plan

FY26-35 CMMP

Pyramid Power Plant Electric

Estimated Project & Purchase Timeline

Engineering/Design: FY27
Purchase/Construction: FY28

Project Description: This project would construct a new diesel power plant in Pyramid Valley. It would begin with permitting in FY27 at \$500,000. Typical permitting costs include application fees, emissions modeling, compliance, correspondence and analysis costs. Fees can vary regarding the size of facility, type of engine and how emissions are modeled. Commissioning costs, including stack testing and administrative costs such as public hearings and/or notices would be covered separately. Permitting is necessary to construct additional diesel capacity at Pyramid Valley.

Following permitting, the power plant package includes:

- (7) Electro Motive Diesel (EMD Brand) Generators; 2.67MW Capacity
- Steel Package for facility
- Engineering, Project Management, Commissioning
- Electrical Gear (Transformers, sectionalizing gear, etc.)
- 35kV, Needed cabling from Pyramid Power Plant to Trident Facility.
- Shipping costs

Project Need: This plant is needed for load shaving and additional generation capacity for the proposed Trident Facility. It is not necessary to meet current demand. It will be needed regardless of whether wind energy is also developed at Pyramid Valley.

Development Plan & Status: In the last meeting of January, Council was presented with three strategies for funding the large scale FY27 and FY28 Diesel Generation Projects.

Strategy 1: U.S. Department of Agriculture: Rural Utility Service Loan

This option is probably the City’s best option to pursue first. It’s a low-interest rate loan program that provides funding to water, wastewater and electric utilities to conduct infrastructure improvements. The amounts borrowed can be paid back in a 30 year schedule, including construction, for a total of 30-35 years. Interest rates can vary between 2-3% depending on utility financial status.

Needs for Funding:

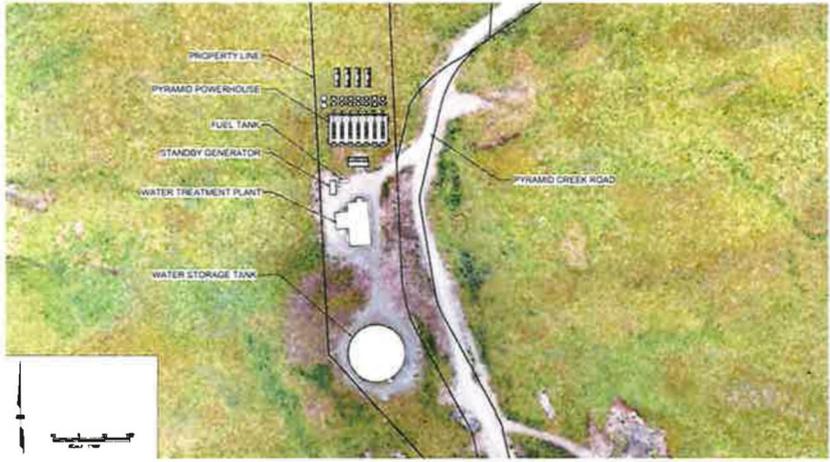
The study EPS provided was a high-level overview of the status of the utility, and future needs for current and future customers (Trident). In order to pursue this loan program, we need the following:

- Load data, construction plans, and timeline from Trident.
- Executed PPA with Trident.
- Completed “Load Impact Study” includes, actual estimated load data from trident and rate study based on PPA.

Strategy 2: Proprietary/General Funds/Grants; this was not recommended.

Strategy 3: Private Investment

If the City decides to pursue the loan program and is approved, funds may be used on an as-needed basis, similar to a line of credit; only the amount spent is owed. This program provides the utility with a financial safety net, preventing delays in large infrastructure projects. The application process is 6 months to a year.



Source	Appropriated	2026	2027	2028	Total
TBD	0	0	500,000	106,852,796	107,352,796
Total	0	0	500,000	106,852,796	107,352,796

FY26-35 CMMP

Project Description: This project will remove the existing A and B Floats at the Harbor and reconfigure the Harbor to accommodate a new float system, ADA gangway and create uplands for parking and a public restroom. It will also include a fire suppression system, electricity and year-round water supply to users and new piling.

Project Need: This project would include replacing the deteriorated floats and reconfiguring the floats and fingers of A and B Floats to include updated electrical system, lighting, fire suppression, year-round utilities, and an ADA-required gangway. Based on current engineer concepts, the reconfiguration of A and B Floats will create at least 30 additional slips plus linear tie options. This should alleviate some of the 30 vessel waiting list. The reconfiguration will also allow for development of the uplands for required parking and a public restroom. The existing dock arrangement was carried over from a previous location. In order to accommodate the vessel demand at the Robert Storrs Harbor, a new configuration of the floats would allow for better use of the basin based on bathymetry and navigational approaches and also allow for additional vessel slips, with minimal fill and no dredging. It will add a significant number of slips for vessels 60' and under. This is an extension of the Robert Storrs Float Replacement Project. C Float was completed in FY16. As the Float Replacement Project for Robert Storrs is being constructed in phases it was logical to separate the phases into separate projects for tracking purposes.

Development Plan & Status : The total estimated cost is \$15,085,110, with \$6,695,000 already appropriated. An additional \$5 million grant application was submitted and received the highest score among applicants, though it was not included in the governor's budget. Staff proposes covering the remaining costs through a combination of the Ports Proprietary Fund, 1% Fund and crab disaster relief. The cost increases over the last several years can be attributed to design changes including electrical, uplands and parking, as well as survey work for the newly acquired submerged tidelands from the State of Alaska. Plans also include a restroom and increased parking.

Robert Storrs Small Boat Harbor Improvements (A & B) Floats Ports

Estimated Project & Purchase Timeline
Pre Design: FY19
Engineering/Design: FY23
Purchase/Construction: FY26



Source	Appropriated	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	Total
1% Fund	0	2,323,864 1,963,864	0	0	0	0	0	0	0	0	0	2,323,864 1,963,864
General Fund	0	3,242,070	0	0	0	0	0	0	0	0	0	3,242,070
Ports Proprietary Fund	6,695,000	3,390,110	0	0	0	0	0	0	0	0	0	10,085,110
Total	6,695,000	8,596,044 8,956,044	0	15,291,044 15,651,044								

FY26-35 CMMP

Solid Waste Gasifier Solid Waste

Estimated Project & Purchase Timeline
Pre Design: FY25
Engineering/Design: FY26
Purchase/Construction: FY28



Project Description: The pre-design, design, and construction of a Gasifier to incinerate garbage.

Project Need: The Landfill cells are reaching capacity. If the current cells reach capacity, new ones will need to be opened. Thermal processing of solid waste is the future of Landfills. Gasification is a process that uses a feedstock, often municipal or industrial waste, for a thermo chemical conversion of waste in high heat. This is done in a low oxygen environment and causes material breakdown at the molecular level. Once the molecular breakdown occurs, the gasification process recombines them to form a syngas, a gas similar to natural gas.

Development Plan & Status : Staff will conduct a feasibility study to better understand sizing and a practical design that can be integrated into the landfill.

Cost Assumptions

Engineering, Design, Const Admin	800,000
Other Professional Services	100,000
Construction Services	3,000,000
Machinery & Equipment	2,500,000
Subtotal	6,400,000
Contingency (set at 30%)	1,920,000
TOTAL	8,320,000

Source	Appropriated	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	Total
Solid Waste Proprietary Fund	700,000	0	0	7,620,000	0	0	0	0	0	0	0	8,320,000
Total	700,000	0	0	7,620,000	0	0	0	0	0	0	0	8,320,000

FY26-35 CMMP

Icy Lake Capacity Increase & Snow Basin Diversion Water

Project Description: This project will increase the height of the existing dam on the north side of Icy Lake and construct a new dam on the south end of Icy Lake.

- The existing sheet pile dam at the north end of the lake would be raised 5 feet and the dam length increased from 67 to 98 feet.
- A new sheet pile dam, approximately 6 feet tall by 193 feet long would be built at the south end of the lake.
- Additional grading and riprap would be required for a larger spillway apron at the north dam.
- Riprap would be required for wave erosion protection of the south dam. Grouting at the north and south dams would be required to seal fractured bedrock.

Project Need: Additional capacity for raw water storage at Icy Lake would be beneficial to help span processing seasons that occur during the more prolonged and frequent dry weather periods. Water system operators use the lake to “bank” surplus water between processing seasons when demand is low, with the intent that by the beginning of a processing season the utility is starting out with a full lake. During heavy processing the lake level gradually drops as demands exceed the combined capacity of Icy Creek and the wells and operators release lake water into Icy Creek. This operational strategy has been stressed in recent years when dry weather coincides with processing seasons and the lake is drawn nearly empty. If the lake is run empty and the water system is not able to meet demands, then the result would be water rationing and having to reduce fish processing throughput or diverting fish to processors in other communities.

Development Plan & Status : The budget for this project was estimated from the Water Master Plan and is a approximate guess at this point in the process. A more accurate budget will be determined during the design phase of the project.

Estimated Project & Purchase Timeline
Pre Design: FY30
Engineering/Design: FY31
Purchase/Construction: FY31



Cost Assumptions

Engineering, Design, Construction Admin	\$150,000
Other Professional Services	\$30,000
Construction Services	\$2,020,000
Machinery & Equipment	
Subtotal	2,200,000
Contingency (30%)	\$660,000
Total Funding Request	2,860,000

Source	Appropriated	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	Total
Water Proprietary Fund	0	0	0	0	0	0	2,860,000	0	0	0	0	2,860,000
Total	0	0	0	0	0	0	2,860,000	0	0	0	0	2,860,000

FY26	Electric Proprietary Fund	General Fund	Grant	Ports Proprietary Fund	Solid Waste Proprietary Fund	Wastewater Proprietary Fund	Water Proprietary Fund	Private Contribution	1% Fund	Grand Total
Electric Proprietary Fund										
Electric										
Electric Energy Storage System	2,750,000									2,750,000
Electrical Distribution Equipment Replacement	500,000									500,000
Generator Sets Rebuild	215,000									215,000
Engine Control Upgrades	26,250		175,000							201,250
Subtransmission Upgrades			2,500,000						3,481,044	5,981,044
Makushin Geothermal Testing								1,000,000	1,000,000	2,000,000
Electric Total	3,491,250		2,675,000					1,000,000	1,000,000	11,647,294
Electric Proprietary Fund Total	3,491,250		2,675,000					1,000,000	4,481,044	11,647,294
General Fund										
Fire										
Engine 3 Replacement		1,500,000								1,500,000
Fire Total		1,500,000								1,500,000
PCR										
Elementary School Playground Replacement		200,000								200,000
Library Generator		153,000								153,000
PCR Total		353,000								353,000
Public Works										
Rolling Stock Replacement Plan	50,000	1,080,000					50,000			1,180,000
Fishermen's Memorial		100,000								100,000
City Hall and Community Center Elevator Repairs		437,000								437,000
Public Works Total	50,000	1,617,000					50,000			1,717,000
City Manager										
City Hall Renovations		500,000								500,000
City Manager Total		500,000								500,000
General Fund Total	50,000	3,970,000					50,000			4,070,000
Ports Proprietary Fund										
Ports										
LCD & UMC Dredging				700,000						700,000
Robert Storrs Small Boat Harbor Improvements (A & B Floats)		3,242,070		3,390,110					1,953,864	8,956,044
UMC Positions 5-7 Resurfacing and Repair				1,695,000					2,323,864	1,695,000
Split Dock Fender Replacement and Utility Upgrade Project				500,000						500,000
Ports Total		3,242,070		6,285,110					2,323,864	11,851,044
Ports Proprietary Fund Total		3,242,070		6,285,110					1,953,864	11,851,044
Solid Waste Proprietary Fund										
Solid Waste										
Scale Replacement					175,000					175,000
Baler Belt Replacement					90,000					90,000
Solid Waste Total					265,000					265,000
Solid Waste Proprietary Fund Total					265,000					265,000
Wastewater Proprietary Fund										
Wastewater										
Lift Station Improvements						150,000				150,000
Wastewater Total						150,000				150,000
Wastewater Proprietary Fund Total						150,000				150,000
Water Proprietary Fund										
Water										
Sediment Traps Between Icy Lake and Icy Creek Reservoir							650,000			650,000
Water Total							650,000			650,000
Water Proprietary Fund Total							650,000			650,000
Grand Total	3,541,250	7,212,070	2,675,000	6,285,110	265,000	150,000	700,000	1,000,000	6,444,908	28,273,328
									6,804,908	28,633,338

FY26 Rolling Stock Replacement Summary

By Department

As of 2-04-25

color code		New	stay in service	Surplus	Grant funded								
Vehicle #	Dept	Primary Driver	Description	Year	Life Cycle	Replace Date	Replace With	Miles	Hours	Description of New Vehicle	Transfer Old Vehicle To	Est or Quote	
UFD3503	UFD	Fire/EMS	North Star Ambulance	2012	7	2023	New	N/A	11,886	Ambulance	Surplus	Est	Surplus
NEW	UFD	Fire/EMS	Fire/EMS	2029	7	2036		N/A	N/A	Ambulance		Est	\$450,000.00
UFD3535#3	UFD	Fire/EMS	PUMPER/TENDER	2005	18	2023	New	N/A	1,329	PUMPER/TENDER	Surplus	Est	Surplus
NEW	UFD	Fire/EMS	PUMPER/TENDER	2030	18	2048			N/A	PUMPER/TENDER			1.5 M
52878	VM	VM	C5500 SERVICE TRUCK	2007	15	2022	New	48,590	N/A	SERVICE TRUCK	Surplus	Est	Surplus
NEW	VM	VM	SERVICE TRUCK	2026	15	2141				SERVICE TRUCK		Est	\$250,000.00
UPD1438	UPD	Patrol	4X4 EXPEDITION	2017	7	2024	New	50,226		4X4 EXPEDITION	ACO	Est	Surplus
NEW	UPD	Patrol	4X4 Patrol Car	2026	7	2033		N/A		4X4 Patrol Car		Est	\$90,000
UPD7430	UPD	Patrol	4X4 EXPEDITION	2017	7	2024	New	83,244	N/A	4X4 EXPEDITION	DPW FLOATE	Est	
NEW	UPD	Patrol	4X4 Patrol Car	2026	7	2033		N/A	N/A	4X4 Patrol Car			\$90,000
NEW	DPU	W/E	HX40G HYDRO EXCAVATOR	2026	20	2046				HX40G HYDRO EXCAVATOR			\$100,000.00
BH-3	DPW	Roads	307 Excavators	2005	20	2025	New	Est 8,000		307 Excavators	Surplus	Est	Surplus
New	DPW	Roads	306 Excavators	2026	20	2047		N/A	N/A	306 Excavators		Ets	200,000
		stay in service	Grant funded	New						Surplus			
TOTAL													\$2,680,000

Fire

Fire

vehicle maintenance

Police

Police

Water/Electric

By Fund

GENERAL FUND	\$ 2,580,000.00
ELECTRIC FUND	\$ 50,000.00
WATER FUND	\$ 50,000.00
WASTEWATER FUND	
SOLID WASTE FUND	
PORTS / HARBOR FUND	

TOTAL \$2,680,000