

**CITY OF HOMER  
HOMER, ALASKA**

City Manager

**ORDINANCE 25-14**

AN ORDINANCE OF THE CITY COUNCIL OF HOMER, ALASKA  
ACCEPTING AND APPROPRIATING THE HAZARD MITIGATION  
GRANT 4413-001 AMENDMENT #2 FROM THE ALASKA DIVISION OF  
HOMELAND SECURITY & EMERGENCY MANAGEMENT WHICH ADDS  
FUNDS IN THE AMOUNT OF \$120,300 TO PROCURE AND  
CONSTRUCT A FIBER OPTIC LINE AS PART OF THE RAW WATER  
TRANSMISSION MAIN REPLACEMENT PROJECT AND  
AUTHORIZING THE CITY MANAGER TO EXECUTE THE  
APPROPRIATE DOCUMENTS.

WHEREAS, The Alaska Division of Homeland Security and Emergency Management  
(DHS&EM) Hazard Mitigation Grant Program (HMGP) assists States and local communities in  
implementing long-term hazard mitigation measures following a major disaster; and

WHEREAS, The City of Homer applied to and was awarded HMGP funds to replace the  
City's 47-year old, seismically vulnerable, cast iron raw water transmission mains with more  
resilient High Density Polyethylene (HDPE) pipe designed to the specifications in Seismic  
Guidelines for Water Pipelines (ALA, 2005); and

WHEREAS, Homer City Council accepted and appropriated the HGMP grant award 4413-  
001 1R via Ordinance 23-58 on November 27, 2023; and

WHEREAS, During the implementation of the project, the City recognized the need to  
upgrade the dedicated communications line that allows operation of water supervisory  
controls and data acquisition (SCADA) systems, as the communications line is presently a  
twisted pair copper wire at approximately 50-years old that has deteriorated, experiences  
frequent outages and poses a long-term vulnerability in the City of Homer drinking water  
supply system; and

WHEREAS, The City requested a Scope of Work and Budget Modification from DHS&EM  
to address this vulnerability by procuring and constructing 3,800 feet of buried fiber optic line  
to provide secure, reliable and resilient SCADA communications; and

WHEREAS, SCADA reliability is critical to the operation of the City's drinking water utility  
as it provides real-time monitoring, control data transmission and alerts of various parameters  
at both the un-manned raw water pump station and the water treatment plant; and

WHEREAS, DHS&EM approved the City's Scope of Work Change and Budget Modification request and has issued an Amendment to the Hazard Mitigation Grant 4413-001 1R to add the fiber optic line to the project's scope and budget in the amount of \$120,300.

NOW, THEREFORE, THE CITY OF HOMER ORDAINS:

Section 1. The Homer City Council hereby amends the FY25 Capital Budget by accepting and appropriating the Hazard Mitigation Grant 4413-001 1R Amendment #2 from the Alaska Division of Homeland Security and Emergency Management in the amount of \$120,300 as follows:

<u>Fund</u>	<u>Description</u>	<u>Amount</u>
215-0838	DHS&EM Hazard Mitigation Grant Grant 4413-001 1R Amendment #2	\$120,300

Section 2. The total construction project cost budget for the City of Homer is \$2,229,333 as follows:

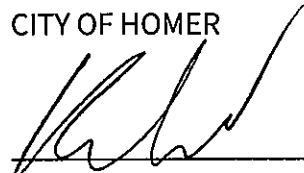
<u>Fund</u>	<u>Description</u>	<u>Amount</u>
215-0838	DHS&EM Hazard Mitigation Grant Amendment #2	\$120,300
215-0838	DHS&EM Hazard Mitigation Grant 4413-001 1R	\$2,109,033

Section 2. The City Manager is authorized to execute the appropriate documents.

Section 3. This ordinance is a budget amendment only, is not of a permanent nature and is a non code ordinance.

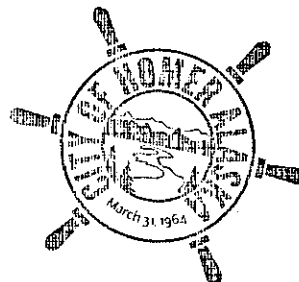
ENACTED BY THE CITY COUNCIL OF HOMER, ALASKA this 24th<sup>th</sup> day of February, 2025.

CITY OF HOMER

  
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RACHEL LORD, MAYOR

ATTEST:

  
RENEE KRAUSE, MMC, CITY CLERK



84 YES: 5  
85 NO: 0  
86 ABSTAIN: 0  
87 ABSENT: 1  
88  
89 Introduction: 2/10/25  
90 Public Hearing: 2/24/25  
91 Second Reading: 2/24/25  
92 Effective Date: 2/25/25



# MEMORANDUM

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**Ordinance 25-14, Accepting and Appropriating the Hazard Mitigation Grant 4413-001 Amendment #2 from the Alaska Division of Homeland Security & Emergency Management, which Adds Funds in the Amount of \$120,300 to Procure and Construct a Fiber Optic Line as Part of the Raw Water Transmission Main Replacement Project and Authorizing the City Manager to Execute the Appropriate Documents. City Manager/Public Works Director.**

**Item Type:** Backup Memorandum  
**Prepared For:** Mayor Lord and City Council  
**Date:** February 5, 2025  
**From:** Leon Galbraith, P.E., City Engineer  
**Through:** Melissa Jacobsen, City Manager

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**Issue:** In the course of developing the new Raw Water Transmission Main Replacement project, we've come across an opportunity to improve communications and save construction costs by concurrently installing a new fiber optic line in the trench that will accommodate the new raw water transmission main. This requires additional design and construction work, for which we will be receiving additional grant funding from FEMA.

**Background:** The City Council adopted Ordinance 23-58, which accepted and appropriated Hazard Mitigation Grant Program 4413-001 1R in the amount of \$2,109,033 for the design and construction of a new raw water transmission line. The raw water transmission line conveys water from the pump house, near the reservoir, to the water treatment plant. This pipe is being replaced because the existing transmission line is old cast iron pipe, which has cracked numerous times. The City would have no water supply if this line were to be taken out in a serious earthquake.

During the implementation of the project, the City recognized the need to upgrade the dedicated communications line that allows operation of water supervisory controls and data acquisition (SCADA) systems, as the communications line is presently an old copper wire that has deteriorated, experiences frequent outages and poses a long-term vulnerability in the City of Homer drinking water supply system. Both the Raw Water Pumphouse and the Water Treatment Plant effectively operate as one functional unit, and the SCADA communications line is critical to the operation of the system.

Funds from Water CARMA were approved for the fiber optic communication line project in the amount of \$150,000 in the City's FY25 budget. However, in discussion with the State's Hazard Mitigation grant team, the City learned that the fiber optic line would be eligible for inclusion in the grant, as it mitigates the likelihood of communication outages which negatively impact the reliability and operation of the City's drinking water utility. Staff submitted a scope and budget change request to the Hazard Mitigation Grant program, which was accepted.

**Recommendations:** Accept and appropriate Amendment 2 to the Hazard Mitigation Grant 4413-001 1R that adds the fiber optic line to the project scope and adds an additional \$120,300 to the project budget for a new total of \$2,229,333.