



# City of Homer

[www.cityofhomer-ak.gov](http://www.cityofhomer-ak.gov)

Port and Harbor

4311 Freight Dock Road  
Homer, AK 99603

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(p) 907-235-3160

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## Memorandum 22-192

TO: HOMER CITY COUNCIL & MAYOR CASTNER  
FROM: BRYAN HAWKINS, PORT DIRECTOR/HARBORMASTER  
DATE: NOVEMBER 02, 2022  
SUBJECT: ICE PLANT AMMONIA PIPING REPLACEMENT

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Ammonia refrigerant at the Ice plant moves throughout the system by way of welded steel piping. The purpose of this project is to replace and relocate piping and the NH<sub>3</sub> solenoid valve system, which will increase efficiency and lower maintenance and operational costs.

Staff reached out to three welding companies known to have technicians with the proper certifications to weld on the ammonia production lines and two offered bids but the third choose not to give us a quote.

Of the two quotes the lowest is from Alaska Industrial Services for \$7,400.00

Ice Plant staff have been working to implement improvements recommended in the 2021 Ice Plant study that we commissioned from Coffman Engineers. This project accomplishes two things 1) increases the efficiency of the system by reorienting and replacing the 35-year-old solenoid control valves in the third floor Ice Machine room. 2) Lowers operational costs, as the old system is not adequately controlling the ammonia when the plant is in operation.

### **Recommendation**

Recommend that Council pass Ordinance 22-74 amending the FY23 operating budget by appropriating **\$7,400.00** from the Port Reserve fund in order to contract with Alaska Industrial Services to complete repairs to the city of Homer's Ice Plant steel refrigerant lines and authorize the City Manager to execute the appropriate documents.

Attachments

Estimate 1010 from Alaska Industrial Services LLC.pdf

Alaska Industrial Services, LLC  
PO Box 2684  
Homer, AK 99603  
+1 9073991060  
alaskaindustrialservice@gmail.com

**ADDRESS**

City of Homer Port and Harbor  
4311 Freight Dock Road  
Homer, Alaska 99603

**Quote 1010**

**DATE 10/25/2022**

**EXPIRATION DATE 11/30/2022**

**PO #**

City Ice Plant

DATE	ACTIVITY	DESCRIPTION	QTY	RATE	AMOUNT
	<b>Services- Job Rate</b>	Cut and remove old ammonia lines. Fit up and weld out in new orientation. Cut and blind off old pipe to condenser for removal.	1	7,400.00	7,400.00T

SUBTOTAL	7,400.00
TAX	0.00
<b>TOTAL</b>	<b>\$7,400.00</b>

Accepted By

Accepted Date

CITY OF HOMER  
FINANCIAL SUPPLEMENT

PROJECT NAME	<u>Repair/Replace Ice Plant Ammonia Lines and Valves</u>	DATE	<u>11/08/2022</u>
DEPARTMENT	<u>Port and Harbor</u>	SPONSOR	<u>City Manager/Port Director</u>
REQUESTED AMOUNT	<u>\$ 7,400</u>		

DESCRIPTION	<p>The City Ice Plant has steel ammonia lines and valves that must be replaced to meet safe operating standards. The installation of replacement lines requires technicians with specialized skills and endorsements.</p> <p>The Port and Harbor reached out to three businesses with the necessary skills and certificates to acquire quotes for the proposed work and of the bids collected the lowest bid was made by Alaska Industrial Services. In addition to being the lowest bidder the City's local bidder's 5% preference requirements apply for Alaska Industrial Services. Alaska Industrial Services' bid for installation of the required ammonia lines and valves was \$7,400.</p>
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FUNDING SOURCE(S)	OPERATING	GF CARMA	GF FLEET CARMA	PORT RESERVES	WATER CARMA
	0%	0%	0%	100%	0%
	HAWSP	HART-ROADS	HART-TRAILS	PORT FLEET RESERVES	SEWER CARMA
	0%	0%	0%	0%	0%

FUNDING SOURCE 1: Port Reserves	FUNDING SOURCE 2:	FUNDING SOURCE 3:
Current Balance <u>\$ 2,770,343</u>	Current Balance _____	Current Balance _____
Encumbered <u>\$ 619,245</u>	Encumbered _____	Encumbered _____
Requested Amount <u>\$ 7,400</u>	Requested Amount _____	Requested Amount _____
Other Items on Current Agenda <u>\$ 631,814</u>	Other Items on Current Agenda _____	Other Items on Current Agenda _____
Remaining Balance <u>\$ 1,511,884</u>	Remaining Balance _____	Remaining Balance _____
FUNDING SOURCE 4:	FUNDING SOURCE 5:	FUNDING SOURCE 6:
Current Balance _____	Current Balance _____	Current Balance _____
Encumbered _____	Encumbered _____	Encumbered _____
Requested Amount _____	Requested Amount _____	Requested Amount _____
Remaining Balance _____	Remaining Balance _____	Remaining Balance _____

**ORDINANCE REFERENCE SHEET**  
**2022 ORDINANCE**  
**ORDINANCE 22-74**

An Ordinance of the City Council of Homer, Alaska, Amending the FY23 Capital Budget by Appropriating \$7,400 from the Port Reserve Fund to Repair and Replace the City Ice Plant's Ammonia Lines and Valves and Authorizing the City Manager to Negotiate and Execute the Appropriate Documents to Contract with Alaska Industrial Services for the Repair.

Sponsor: City Manager/Port Director

1. City Council Regular Meeting November 14, 2022 Introduction

Memorandum 22-192 from Port Director/Harbormaster as backup