

1 **CITY OF HOMER**  
2 **HOMER, ALASKA**

3 City Manager/  
4 Port Director

5 **ORDINANCE 22-71**

6  
7 AN ORDINANCE OF THE CITY COUNCIL OF HOMER, ALASKA,  
8 AMENDING THE FY23 CAPITAL BUDGET BY APPROPRIATING  
9 \$20,250 FROM THE PORT RESERVE FUND TO PUMP,  
10 DISPOSE/RECYCLE, AND REPLACE THE CITY ICE PLANT'S  
11 AMMONIA STORES AND AUTHORIZING THE CITY MANAGER TO  
12 EXECUTE THE APPROPRIATE DOCUMENTS FOR A SOLE SOURCE  
13 CONTRACT WITH MULTIFROST.

14  
15 WHEREAS, The City Ice Plant uses approximately 1000 gallons of anhydrous ammonia  
16 (NH3) refrigerant as the coolant for ice production and byproduct cold bait storage for the  
17 Homer fishing industry;

18  
19 WHEREAS, The solubility characteristics of ammonia in water allows an aqueous  
20 ammonia solution to be formed over time which replaces the anhydrous ammonia refrigerant  
21 causing penalties, inefficiencies, and increased stresses on the system; and

22  
23 WHEREAS, While the ice plant has received periodic small quantity deliveries of NH3 to  
24 replace standard user losses through the system, since the plant's inception 40+ years ago the  
25 plant's NH3 has never been fully removed, replaced, or exchanged for new ; and

26  
27 WHEREAS, This has caused a slow build up aqueous ammonia that has impaired the  
28 pressure-temperature relationship and adversely affected pump operation, piping pressure  
29 drop, and evaporator performance; and

30  
31 WHEREAS, The City ice plant's NH3 tank needs to be pumped, the ammonia solution  
32 safely disposed of, and a new anhydrous ammonia solution delivered; and

33  
34 WHEREAS, No liquid gas supplier in Alaska provides the pumping and disposal services  
35 needed for this project; and

36  
37 WHEREAS, Multifrost is the nearest company on the west coast that can provide these  
38 services and additionally provides hazardous material handling to recycle the waste products  
39 into useable crop fertilizer; a sole source contract is justified.

40  
41 NOW, THEREFORE, THE CITY OF HOMER ORDAINS:  
42

43            Section 1. The FY23 Capital Budget is hereby amended by appropriating \$20,250 to  
44 pump, dispose/recycle, and replace the city ice plant's ammonia stores as follows:

45

<u>Fund</u>	<u>Description</u>	<u>Amount</u>
46            456-0380	47            Replacement of NH3 coolant	48            \$20,250

49            Section 2. The City Manager is authorized to enter into a sole source contract with  
50 Multifrost in an amount not to exceed \$20,250 for pumping, disposing/recycling, and replacing  
51 the city ice plant's ammonia stores .

52

53            Section 3. This Ordinance is a budget Ordinance only, is not permanent in nature, and  
54 shall not be codified.

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56            ENACTED BY THE HOMER CITY COUNCIL this 14<sup>th</sup> day of November, 2022.

57

58            CITY OF HOMER

59            

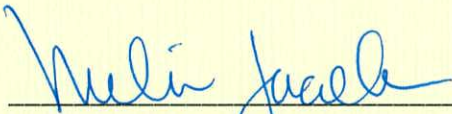
60            KEN CASTNER, MAYOR

61

62

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64            ATTEST:

65            

66            MELISSA JACOBSEN, MMC, CITY CLERK

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68

69

70            YES: 5

71            NO: 0

72            ABSTAIN: 0

73            ABSENT: 1

74

75            First Reading: 10-24-22

76            Public Hearing: 11-14-22

77            Second Reading: 11-14-22

78            Effective Date: 11-15-22

