



City of Homer

www.cityofhomer-ak.gov

Public Works

3575 Heath Street
Homer, AK 99603

publicworks@cityofhomer-ak.gov

(p) 907- 235-3170

(f) 907-235-3145

Memorandum 21-032

TO: Mayor Castner and Homer City Council
THROUGH: Rob Dumouchel, City Manager
FROM: Janette Keiser, Director of Public Works
DATE: February 9, 2021
SUBJECT: Request for Change Order for Replacement of Light Fixtures at WWTP

Issue: City Council adopted Ordinance 20-92 appropriating \$18,696 to retrofit lighting at the Waste Water Treatment Plant (WWTP) Campus with low energy LED bulbs. We encountered serious corrosion in the existing fixtures, which requires a change order to replace them.

Background:

In the course of replacing high energy lighting in the WWTP, the contractor found that the fixtures themselves are damaged from the highly corrosive environment in the WWTP. The fixtures are original units, installed in 1990 and have been corroding for some time, but were in an inaccessible location. We are seeing most of these fixtures, up close and personal for the first time since they were installed, and never had the opportunity to notice the corrosion before.

We have a quote of \$17,148 to replace the fixtures, bringing the total value to \$35,844.

Sewer Reserve Fund Status:

Balance as of December 31, 2020	\$1,932,218
Allocated by Ordinance 20-57 for urgent projects	\$ 484,900
City's share of Seawall SAD allocated to Sewer Reserves	\$ 39,364
Allocated by Ordinance 20-92 for LED lighting at WWTP	<u>\$ 18,696</u>
Balance	\$1,389,258

Action Recommended:

That the City authorize an additional expenditure of \$17, 148.00 from the Sewer Water Reserve Fund for a total expenditure of \$35,844 to retrofit high energy light fixtures at the WWTP.

Howea WWTP

Installed in 1990

2-9-21



Liberty Electric, Inc.

PO Box 1730
Homer, AK 99603

Estimate

Date	Estimate #
2/8/2021	1263

Name / Address
City of Homer 491 E. Pioneer Ave. Homer, AK 99603

P.O. No.	Project
	Public Works

Item	Description	Qty	Cost	Total
bid item	Remove a total of 29 badly corroded lighting fixtures in Digester Room of the wastewater treatment plant and replace with HE Williams 96 Series led fixtures in vapor-tight fiberglass enclosures. Replace conduit and conductors as necessary for fixture replacement.	1	17,148.00	17,148.00

Subtotal	\$17,148.00
Sales Tax (7.85%)	\$0.00
Total	\$17,148.00

**CARMA Sewer
Reserve - Spent or
obligated**

Fund Balance thru 3/31	\$1,932,218
Utility Financial Management	\$17,500
Retrofit High Energy Light	\$18,696
Beluga Lift Station	\$19,573
Upgrade SCADA for Sewer Lif Stations	\$210,000
Replace Deep Shaft Air Compressors	\$85,000
Waste Water Treatment Plant - Digester Blowers	\$189,000
Fund Balance Remaining	\$1,876,449

