

City of Calistoga

Staff Report

TO: Honorable Mayor and City Council
FROM: Derek Rayner, Deputy Public Works Director
DATE: May 17, 2016
SUBJECT: Consideration of a Resolution Approving Purchase and Installation of Two Effluent Filter Pumps and Motors for the Wastewater Treatment Plant for Compliance with the Cease and Desist Order Issued by the San Francisco Bay Area Regional Water Quality Control Board

APPROVAL FOR FORWARDING:



Dylan Feik, City Manager

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 - 2 **ISSUE:** Consideration of a Resolution approving purchase and installation of two filter
 - 3 pumps and motors for the Wastewater Treatment Plant as part of the Effluent Disposal
 - 4 Improvement Project
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 - 6 **RECOMMENDATION:** Adopt the Resolution.
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 - 8 **BACKGROUND/DISCUSSION:** The existing filter pumps were installed as part of the
 - 9 2002 WWTP upgrade project (see photo below).
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12 The pumps are over 14 years old and in need of replacement. These pumps run 24/7
13 and they pump secondary effluent water to the tertiary filters for both recycled water and
14 discharge to the river when appropriate. Typical pump life span is about 10 to 20 years.
15 These pumps are at the end of their useful life and need to be upgraded to improve
16 effluent pumping capacity, which is a compliance item of the 2014 Cease and Desist
17 Order issued by the San Francisco Bay Area Regional Water Quality Control Board.
18 Attachment 1 is a list of the priority items contained it the November 2014 Cease and
19 Desist Order. Item number 5 reflects increasing the effluent pumping capacity issue.

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21 **ENVIRONMENTAL ANALYSIS:** The pump replacements are exempt from the
22 California Environmental Quality Act, pursuant to Section 15301 (b) of Title 14, the
23 California Code of Regulations because the repairs are necessary to fix existing publicly
24 owned sewerage services that are essential to public health, safety and property.

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26 **CONSISTENCY WITH CITY COUNCIL GOALS AND OBJECTIVES:** The resolution
27 would authorize the purchase of two filter pumps and motors and is consistent with City
28 Council Goal No. 3 – Establish, improve and maintain City infrastructure; and the City
29 Council Objectives (Maintain the high level of service and reliability of the city’s
30 infrastructure systems and facilities; and Priority Project 9 “...initiate the work program
31 to address priority items related to the cease and desist order”).

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33 **FISCAL IMPACT:** The total cost is anticipated to be \$85,668 and is broken down as
34 follows:
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| No. | Item | Cost |
|-----|------------------------------|----------|
| 1 | Pumps and Motors | \$44,773 |
| 2 | Electrical Installation Work | \$30,607 |
| 3 | Crane rental & Equipment | \$2,500 |
| 4 | Operations Staff to install | \$0 |
| 5 | Contingency (10%) | \$7,788 |

TOTAL = **\$85,668**

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37 Staff circulated a request for proposals for the filter pumps and motors and received the
38 following three proposals:

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| | | | |
|----|----|-------------------------|-----------|
| 40 | 1. | Pacific Water Resources | \$44,773 |
| 41 | 2. | Prime Pump Corp | \$50,242 |
| 42 | 3. | Thomas + Associates | \$62,336. |

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44 Staff requests authorization for the City Manager to issue a Purchase Order for the
45 equipment: \$44,773 to Pacific Water Resources and \$30,607 for Telstar, Inc. (our
46 current contracted electrical/SCADA consultant), plus crane rental. City operations staff
47 will complete the installation of both pumps to help reduce installation costs.

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49 Funds in the amount of \$100,000 are budgeted in the FY15/16 budget under the
50 Wastewater System Capital Improvements – Effluent Disposal Improvements (Fund No.
51 13-5493-4915), for the recommended expenditure.

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53 **ATTACHMENTS:**

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55 1. Resolution
56 2. CDO Priority List
57 3. Proposal

RESOLUTION NO. 2016- XXX

**RESOLUTION OF THE CITY COUNCIL OF THE CITY OF CALISTOGA,
COUNTY OF NAPA, STATE OF CALIFORNIA, APPROVING PURCHASE
AND INSTALLATION OF TWO FILTER PUMPS AND MOTORS FOR
THE WASTEWATER TREATMENT PLANT AS PART OF THE
THE EFFLUENT DISPOSAL IMPROVEMENT PROJECT**

WHEREAS, the filter pumps and motors at the Dunaweal Wastewater Treatment Plant are over 14 years old, operate 24 hours per day 7 days per week and have reached the end of their useful life; and

WHEREAS, these pumps need to be upgraded to maximize filtering processes and will improve the City’s ability to process tertiary treated effluent and recycled water more efficiently and advance the City’s compliance with the Cease and Desist Order issued by the San Francisco Bay Area Regional Water Quality Control Board; and

WHEREAS, the Project is exempt from the California Environmental Quality Act, pursuant to Section 15301(b) of Title 14, the California Code of Regulations because the repairs are necessary to fix existing publicly owned sewerage services that are essential to public health, safety and property; and

WHEREAS, requests for proposals were distributed in March 2016 for two filter pumps and motors. Three proposals were received with the low bid coming from Pacific Water Resources in the amount of \$44,773; and

WHEREAS, the project includes installation costs of \$30,607 for Telstar, Inc. (the City’s current contracted electrical/SCADA consultant) plus crane rental and contingency; and

WHEREAS, funds for the filters and motors are budgeted in FY 2015/16 Wastewater Capital Improvements (13-5493-Effluent Disposal Improvements); and

WHEREAS, Staff recommends that the proposal from Pacific Water Resources be approved in the amount of \$44,773.

NOW, THEREFORE BE IT RESOLVED by the City Council of the City of Calistoga as follows:

1. Approves the purchase of two filter pumps and motors from Pacific Water Resources for effluent disposal improvements at the Wastewater Treatment Plant in the amount of \$44,773.
2. Approves installation costs in the amount of \$30,607 (electrical), \$2,500 (crane rental) plus a 10% contingency (\$7,788) for a total project cost of \$85,668.

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2. The City Manager is hereby authorized to execute Purchase Orders on behalf of the City of Calistoga.

PASSED, APPROVED, AND ADOPTED by the City Council of the City of Calistoga at a regular meeting held this **17th day of May 2016**, by the following vote:

AYES:
NOES:
ABSTAIN:
ABSENT:

CHRIS CANNING, Mayor

ATTEST:

KATHY FLAMSON, City Clerk