

City of Calistoga

Staff Report

TO: Honorable Mayor and City Council Members
FROM: Michael Kirn, Public Works Director/City Engineer
DATE: May 17, 2016
SUBJECT: Consideration of a Resolution Approving the Submittal of a Hazard Mitigation Grant Application and Commitment of \$836,250 in Funds for Repair of the WWTP Riverside Ponds and Headworks.

APPROVAL FOR FORWARDING:



Dylan Feik, City Manager

1 **ISSUE:** Consideration of a Resolution approving the submittal of a Hazard
2 Mitigation Grant application and commitment of \$836,250 in funds for repair of
3 the Wastewater Treatment Plant riverside ponds and headworks.

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5 **RECOMMENDATION:** Adopt the Resolution.

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7 **BACKGROUND/DISCUSSION:** The Governor's Office of Emergency Services,
8 State OES, in conjunction with the Federal Emergency Management Agency
9 (FEMA) provides financial assistance to local governments for mitigation of
10 hazards within a community as part of an federal and/or state emergency
11 declaration, such as the September 2015 Valley Fire, through the Hazard
12 Mitigation Grant Program (HMGP).

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14 On December 30, 2015 the California Governor's Office of Emergency Services
15 (CalOES) announced the opening of the Hazard Mitigation Grant Program
16 (HMGP) made available by the Presidential Disaster Declaration (DR-4240 for
17 the Valley and Butte Fires that occurred last year. This program provides funding
18 from the Federal Emergency Management Agency (FEMA) for hazard mitigation
19 projects. FEMA's HMGP provides up to 75% federal funding up to a maximum of
20 \$3,000,000 with the balance being local match.

21 Staff submitted a Notice of Interest to CalOES on January 29, 2016 for repair and
22 lining of the Wastewater Treatment Plant Riverside Ponds and Headworks. The
23 Riverside Ponds and Headworks facilities at the Dunaweal Wastewater
24 Treatment Plant (WWTP) are adjacent to the Napa River and Simmons Creek
25 whose banks have significantly eroded and bank failure is possible without
26 corrective action. Attachment 1 is a list of the priority items contained in the
27 November 2014 Cease and Desist Order. Item number 7 reflects the Riverside
28 Pond compliance issue.

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30 On February 11, 2016 we received notification from CalOES that our project was
31 eligible for funding and have been invited to submit a formal application. The
32 grant application is due June 16, 2016. The total estimated cost of the project is
33 \$3,345,000. If our application is approved the HMGP would fund up to
34 \$2,508,750 with a required local match of \$836,250.

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36 The project includes:

- 37 • Bank restoration in an environmentally appropriate way to eliminate
38 potential bank failure.
- 39 • Reconstruct and line the Riverside Ponds to address the November 2014
40 Cease and Desist Order adopted by the Water Quality Control Board.

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42 The recommended resolution authorizes staff to submit the necessary paper
43 work and backup documentation to meet the HMGP funding criteria, including the
44 commitment of local match funding in the amount of \$836,250. The resolution
45 also designates the City Manager or the Public Works Director as agents of the
46 City for the purposes of submitting all necessary documents for the HMGP
47 application, and to otherwise secure the funding.

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49 **CONSISTENCY WITH CITY COUNCIL GOALS AND OBJECTIVES:** This
50 project is consistent with Goal No. 3, Establish, improve and maintain City
51 infrastructure; Objective No. 1, maintain the high level of service and reliability of
52 the City's infrastructure systems and facilities; and Priority Project 9 "...initiate the
53 work program to address priority items related to the cease and desist order".

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55 **ENVIRONMENTAL REVIEW:** Staff believes the project meets the criteria for
56 exemption from the California Environmental Quality Act (CEQA) under Section
57 15301 (Class 1 - Existing Facilities) of the CEQA Guidelines. As part of the
58 preliminary design our consultants and the Planning Department will review the
59 project and determine if additional studies or mitigation measures are required.

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61 **FISCAL IMPACT:** There is no fiscal impact related to adoption of the
62 recommended resolution at this time. The FY 2016-17 CIP Budget includes a
63 recommended budget amount of \$500,000 for Phase I activities associated with
64 design and permitting, with a local match of \$125,000. In the event we are
65 awarded HMGP funding the City will be obligated to provide a total local match in

66 the amount of \$836,250 which would be derived from wastewater connection
67 fees or wastewater enterprise revenues.

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69 **ATTACHMENTS:**

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71 1. Resolution

72 2. CDO Priority List

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RESOLUTION 2016 - XXX

RESOLUTION OF THE CITY COUNCIL OF THE CITY OF CALISTOGA, COUNTY OF NAPA, STATE OF CALIFORNIA, APPROVING A HAZARD MITIGATION GRANT APPLICATION AND COMMITMENT LETTER IN THE AMOUNT OF \$836,250 IN FUNDS FOR REPAIR OF THE WWTP RIVERSIDE PONDS AND HEADWORKS

WHEREAS, the four riverside ponds at the Wastewater Treatment Plant were built in 1974, are located adjacent to the Napa River and contain tertiary treated effluent; and

WHEREAS, heavy erosion of the Napa River bank has significantly progressed towards the edge of these ponds and catastrophic failure of the bank is possible without corrective action; and

WHEREAS, the headworks structure at the Wastewater Treatment Plant was built in 2002, is located about 115 feet from the Riverside Ponds adjacent to Simmons Creek and contains raw, untreated sewer influent; and

WHEREAS, significant creek bank erosion has progressed towards the edge of the headworks structure and catastrophic failure of the bank is possible without corrective action; and

WHEREAS, the San Francisco Bay Area Regional Water Quality Control Board has adopted a Cease and Desist Order mandating that the City address the Riverside Ponds on or before November 17, 2019; and

WHEREAS, the City has received an invitation to submit a complete application to the California Governor’s Office of Emergency Services (CalOES) for the Hazard Mitigation Grant Program (HMGP) for repair of the Wastewater Treatment Plant Riverside Ponds and Headworks; and

WHEREAS, in order for our HMGP application to be deemed complete the City must submit a letter committing to the local match requirement, provide a complete scope of work, and a project schedule showing completion on or before September 1, 2019; and

WHEREAS, staff recommends authorizing staff to submit the necessary paper work and backup documentation to meet the HMGP funding criteria, including the commitment of local match funding in the amount of \$836,250; and

WHEREAS, staff further recommends designating the City Manager or the Public Works Director as agents of the City for the purposes of submitting all the necessary documents for the HMGP application, and to otherwise secure the funding.

November 2014 WWTP Cease and Desist Order Work Items

Item	Description	Due Date	Date Completed
1	Construct new recycled water storage pond	10/31/2015	10/20/2015
2	Increase landscape irrigation Indian Springs landscaping completed August 2015 Sunburst adding additional landscaping 2016 In discussion with Fair Grounds for golf course irrigation	11/1/2019	On Going
3	Reduce geothermal flow to WWTP Metering device installed at Indian Springs Golden Haven Spa installing heat exchanger and reinjection well Working with Calistoga Spa to install metering device Roman Spa conducting source control tests	11/1/2019	On Going
4	Identify and reduce inflow and infiltration Purchased smoke test machine and tests scheduled for summer 2016 Constructing new water tight force main, trunk main and Pine Street Lift Station	11/1/2019	On Going
5	Increase effluent pumping capacity New pumps installed at tertiary effluent pump station Install new effluent filter feed pumps	11/1/2019	On Going 8/1/2015 10/1/2016
6	Antimony and Boron reductions Golden Haven Spa installing heat exchanger and reinjection well Working with Calistoga Spa to install metering device Roman Spa conducting source control tests Meeting scheduled with Wilkinsons Spa for metering of geothermal wastewater Establish fee for discharge of antimony and boron	11/1/2019	On Going 2016 2016 2017 June 2016
7	Rehabilitation or replacement of Riverside Ponds Cal OES HMGP Application being prepared Reconstruct lined ponds	11/1/2019 June 2016 9/1/2019	On Going June 2016 Nov 2019