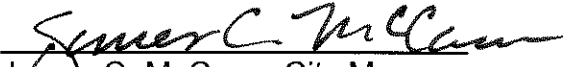


City of Calistoga

Staff Report

TO: Honorable Mayor and City Council Members
FROM: James M. Smith, Senior Civil Engineer
VIA: Dan Takasugi, Public Works Director/City Engineer
DATE: July 15, 2008
SUBJECT: Consideration of a Resolution Approving the Plans and Specifications for the Kimball Water Treatment Plan Improvement Project, and Authorizing the Public Works Department to Advertise for Bids

APPROVAL FOR FORWARDING:


James C. McCann, City Manager

1
2 **ISSUE:** Consideration of a Resolution approving the Plans and Specifications for the
3 Kimball Water Treatment Plan Improvement Project, and authorizing the Public Works
4 Department to advertise for bids.

5
6 **RECOMMENDATION:** Adopt the Resolution.

7
8 **BACKGROUND / ENVIRONMENTAL REVIEW:** In August of 1996, the State
9 Department of Health Services (now Dept. of Public Health) issued the City of Calistoga a
10 Compliance Order related to the City's ability to provide an adequate and dependable
11 water supply to its customers. The Compliance Order required the City to prepare a
12 detailed evaluation of its water service abilities under maximum demand conditions, and
13 to submit a plan and schedule for developing additional sources of supply and an
14 adequate system for treatment and delivery of that supply.

15
16 One of the steps the City took in response to the Compliance Order was the preparation
17 in 2000 of the Water Facilities Plan (WFP). The WFP addressed many of the
18 Compliance Order issues and included a prioritized list of water system improvements
19 necessary to meet operational and system storage requirements.

20
21 The City prepared an Initial Study/Mitigated Negative Declaration to assess five original
22 project elements under CEQA in 2002. The City subsequently adopted a Mitigated
23 Negative Declaration and filed a Notice of Determination in February 2002. Since the
24 City had obtained grant and loan funding from the US Department of Agriculture (USDA)

25 for these improvements, the City was also required to prepare a National Environmental
26 Policy Act document to comply with regulations related to the use of federal funding. The
27 five project components examined in the original environmental documents included: 1)
28 replacement of an existing main connecting the Kimball Treatment Plant to a connecting
29 main at the intersection of Tubbs Lane and Myrtledale Rd; 2) replacement of 5,200 feet of
30 main in Myrtledale/Grant Street; 3) clarifier improvements at the Kimball Treatment Plant;
31 4) improvements to the Kimball Reservoir; and, 5) a treatment system for the Feige well.
32

33 The first phase of the overall project, consisting of the replacement of the Kimball and
34 Myrtledale/Grant transmission pipelines (Components 1 and 2), was completed
35 significantly under budget in December 2005. Components 3 and 4 have been fully
36 designed, and Component 5 will not be pursued.
37

38 This second and final phase of the overall project includes work at the Kimball Water
39 Treatment (primarily) and at the Kimball Reservoir. This project includes tube settlers in
40 the clarifier, various process measurement and instrumentation improvements, a safety
41 harness system for spillway access, and ancillary system improvements. As part of the
42 ongoing design work, City staff and Eler & Kalinowski, the City's engineering consultant,
43 identified certain additional deficiencies in some existing treatment systems. Staff
44 recommended that certain systems be improved as part of the project, so as to take
45 advantage of the ongoing design work and allow for the efficient construction of these
46 improvements as part of the larger project (economy of scale).
47

48 The major additional project element that was not contained in the 2002 environmental
49 review includes the construction of a third filter bank; a few minor additional elements,
50 such as increasing the size of certain pumps or providing redundant pumps, is also now
51 part of the project. {The improvements to the plant pumping systems are included as an
52 alternate bid item in the plans; staff anticipates recommending award of this project
53 element if the actual bid prices offered are favorable}. The new project elements
54 represent relatively minor additions to the 2002 project description and provide
55 redundancy and a more effective means to process drinking water.
56

57 Section 15163 of the CEQA Guidelines specifies that when only minor additions or
58 changes to a project are necessary, a Supplement to a Negative Declaration is
59 appropriate. As required by CEQA, the City prepared an Initial Study and Supplemental
60 Mitigated Negative Declaration for a 30-day public review and comment period and
61 conducted a Public Hearing on the matter. No substantive comments were received
62 during this period, and the City filed a Notice of Determination for the Supplemental
63 Mitigated Negative Declaration on May 8, 2008. All required environmental review for the
64 project, at both the State and Federal levels, has been completed.
65

66 **DISCUSSION:** The design for this project has now been completed, and the required
67 approval of the plans and specifications by both the USDA and the Dept. of Public Health

68 is pending. The public bidding process is proposed to occur from late July to late August,
 69 followed by a bid evaluation period, and we anticipate bringing the contract back to the
 70 Council for recommended award in September. The equipment procurement and
 71 construction phase is scheduled to occur in the October 2008 through March 2009
 72 timeframe.

73
 74 **FISCAL IMPACT:** The water facilities improvement project, including all components
 75 described in this report, is funded by a USDA funding package which includes a loan in
 76 the amount of \$2.51M and a grant in the amount of \$1.0M. Due to the first phase of the
 77 construction being completed under budget, there is substantial contingency funding
 78 available to fund the additional project elements. Most of the remaining funds available
 79 are *grant* funds, as the USDA requires the loan portion of the funding package to be fully
 80 utilized before grant funds are used. The utilization of USDA funds can only be finalized,
 81 however, based on the final project costs, which will be determined from the prices
 82 obtained during the bidding process and the actual change orders on the remaining
 83 portion of the overall project.
 84

Sources of Funds *

USDA Loan	\$ 350,000
USDA Grant	1,000,000
Water Capital	270,000
Total Sources	\$ 1,620,000

Uses of Funds *

Administration/Inspection	\$ 140,000
Planning/Design/Environmental	270,000
Property Acquisition	0
Improvements	1,060,000
Contingency	150,000
Total Uses	\$ 1,620,000

85
 86 * City Staff and USDA representatives have not completed the final accounting off all project costs
 87 associated with the overall USDA funding package for this two-part project. The figures provided here are
 88 based on an estimate of the project costs associated with this second part of the project. All project costs
 89 accrued to date for the first part of the project have been accepted by USDA, but some of the cost items
 90 were for project work that benefited both phases of the project. Staff does not anticipate any difficulty with
 91 resolving the final cost accounting with USDA following completion of the overall project.
 92

93 Funds are budgeted for this project in Fiscal Year 2007/08 and 2008/09 in Water
 94 Treatment Capital Improvements (12-4132-5424).

95
 96 **ATTACHMENTS:**

- 97
 98 1. Resolution
 99 2. Project Drawings (Available for review at the City Clerk's Office)

RESOLUTION 2008 - _____

RESOLUTION OF THE CITY COUNCIL OF THE CITY OF CALISTOGA,
COUNTY OF NAPA, STATE OF CALIFORNIA,
APPROVING PLANS AND SPECIFICATIONS FOR THE
WATER DISTRIBUTION AND TREATMENT PROJECT LOCATED AT THE
KIMBALL WATER TREATMENT PLANT, 3522 EWEY ROAD, AND
AUTHORIZING THE PUBLIC WORKS DEPARTMENT TO ADVERTISE FOR BIDS

1 **WHEREAS**, the City has developed and completed a Water Facilities Master Plan, which
2 was formally adopted by the City Council in 2000, that found and determined that the City of
3 Calistoga requires improvements to its water distribution and treatment facilities to provide for
4 dependable and safe potable water to meet the existing and planned demand needs of the
5 community; and

6 **WHEREAS**, the City has obtained a grant and loan funding package from the U.S.
7 Department of Agriculture (USDA) for these improvements; and

8 **WHEREAS**, the City of Calistoga has determined that this project is subject to review
9 under both the California Environmental Quality Act (CEQA) and the National Environmental
10 Policy Act (NEPA); and

11 **WHEREAS**, the City initially completed the CEQA process for the project in February
12 2002 by means of adopting a Mitigated Negative Declaration, followed by a Supplemental
13 Mitigated Negative Declaration that was adopted in May 2008 (which fully addressed the minor
14 additions to the scope of the project), and all requirements of NEPA have likewise been met;
15 and

16 **WHEREAS**, the City entered into a Professional Services Agreement with Eler &
17 Kalinowski, Inc. for the engineering design of the project; and

18 **WHEREAS**, the design of the project is complete, subject to the required and pending
19 approval of said design by both the USDA and the California Dept. of Health Services; and

20 **WHEREAS**; the City Engineer has approved the project plans and specifications.

21 **NOW, THEREFORE, BE IT RESOLVED** that the City Council of the City of Calistoga
22 approves the plans and specifications for the Kimball Water Treatment Plant Improvements
23 prepared by Eler & Kalinowski, Inc. and authorizes the Public Works Department to advertise for
24 bids, subject to obtaining final approval for said plans and specifications by the USDA and the
25 California Dept. of Public Health.

26 **PASSED, APPROVED, AND ADOPTED** by the City Council of the City of Calistoga at its
27 regular meeting held this 15th day of July, 2008 by the following vote:

28
29
30 **AYES:**

31 **NOES:**

32 **ABSTAIN/ABSENT:**
33
34

35
36 _____
JACK GINGLES, Mayor

37
38 **ATTEST:**

39 _____
SUSAN SNEDDON, City Clerk