Agenda Item # 7.3
For Board Meeting of: May 15, 2025

CITY OF SANTA ROSA
BOARD OF PUBLIC UTILITIES

TO: BOARD OF PUBLIC UTILITIES
FROM: RICHARD GIORDANELLA, WASTEWATER MAINTENANCE SUPERINTENDENT
SUBJECT: APPROVAL – WAIVER OF COMPETITIVE BID AND ISSUANCE OF A PURCHASE ORDER TO BAILEY VALVE, INC.

AGENDA ACTION: MOTION

RECOMMENDATION

It is recommended by Santa Rosa Water that the Board of Public Utilities, by motion, authorize the waiver of competitive bid and issuance of a Purchase Order, with any nonstandard terms to be negotiated by the City, for the purchase of one new 12-inch Bailey Model B5 Electrical Motor Operated (EMO) pressure relief valve (PRV) and the modification of three (3) 12-inch Bailey Model B5 Mechanically Operated PRVs to Electrical Motor Operated (EMO) PRVs to Bailey Valve, Inc., Fresno, California in an amount not to exceed $360,000.00.

EXECUTIVE SUMMARY

In 2003, the City of Santa Rosa (City) and Calpine Corporation (Calpine) partnered on constructing the Geysers Recharge Project (GRP), a 42-mile 48-inch Pipeline from the Llano Pump Station that transitions into a 30-inch pipeline through Alexander Valley and the Pine Flat Pump Stations.

Since 2003, the GRP has delivered approximately eleven million gallons per day of tertiary treated recycled water with pressures reaching 600 pounds per square inch (PSI). Bailey Model B5 PRVs play a critical role in preventing excess pressure throughout the Geysers pipeline and pump stations.

BACKGROUND

The City of Santa Rosa owns and operates four (4) 12-inch Bailey Model B5 PRVs in the GRP. In 2021, Request for Quotes 21-03 was issued for the refurbishment of the Bailey Model B5 PRVs and was awarded to a local aftermarket company. The company was unable to acquire the necessary parts and equipment and was not qualified to perform the work required to complete the refurbishment. Since 2021, the performance of the PRVs has declined and in some cases they have become inoperable.

PRIOR BOARD OF PUBLIC UTILITIES REVIEW

Construction of the GRP was facilitated by a series of construction contracts that were reviewed and approved by the Board of Public Utilities from 2000 to 2003 when the project was completed and placed into service. The pump stations referenced herein, which include the Bailey Valve PRVs, were constructed as part of the overall construction of the GRP.

ANALYSIS

Regional Maintenance staff have conducted historical research in addition to the annual inspection requirements and have confirmed that the existing Bailey Valve Model B5s are unserviceable and require complete refurbishment and upgrades.

Since the commissioning of the GRP, there have been equipment upgrades and advancements in technologies, adding reliability and efficiency to equipment and processes. Bailey Valve now offers an electrically operated valve to replace the current mechanically operated valve, limiting operation downtime and decreasing maintenance hours. In addition to improved maintenance intervals, the EMO PRV has monitoring capabilities through SCADA and has proven reliability.

Santa Rosa Water's Regional staff have determined that it is the City's best interest to purchase one new EMO Model B5 PRV to replace one (1) of the currently installed mechanically operated models. The removed valve will be sent in for refurbishment and upgraded to the new EMO version. Staff would continue this process until all four (4) Model B5 PRVs are refurbished, converted to the EMO version, and placed back into operation.

FISCAL IMPACT

Funds for this equipment are appropriated in JL Key 86521 and will have no fiscal impact on the General fund.

ENVIRONMENTAL IMPACT

Pursuant to CEQA Guidelines Section 15378, the proposed action is not a "project" subject to the California Environmental Quality Act (CEQA) because it does not have a potential for resulting in either a direct physical change in the environment or a reasonably foreseeable indirect physical change in the environment. In the alternative, the proposed action is exempt from CEQA pursuant to CEQA Guidelines Section 15061(b)(3) because it can be seen with certainty that there is no possibility that the project may have a significant effect on the environment.

BOARD/COMMISSION/COMMITTEE REVIEW AND RECOMMENDATIONS

Not applicable.

ATTACHMENTS

Attachment 1 – Project Quotation

CONTACT

Richard Giordanella, Wastewater Maintenance Superintendent