

CITY OF SANTA ROSA
BOARD OF PUBLIC UTILITIES

TO: CHAIR AND BOARD MEMBERS
FROM: GREGORY DWYER, ASSOCIATE CIVIL ENGINEER
TRANSPORTATION AND PUBLIC WORKS
SUBJECT: APPROVAL OF PROFESSIONAL SERVICES AGREEMENT –
ENGINEERING DESIGN – LAGUNA TREATMENT PLANT
ELECTRICAL INFRASTRUCTURE IMPROVEMENTS PROJECT

AGENDA ACTION: MOTION

RECOMMENDATION

It is recommended by the Contract Review Subcommittee of the Board, the Transportation and Public Works Department and Santa Rosa Water that the Board of Public Utilities (Board), by motion, approve a Professional Services Agreement with Hazen and Sawyer to provide engineering design for the Laguna Treatment Plant Electrical Infrastructure Improvements Project, for a total authorized amount of \$2,552,847.

EXECUTIVE SUMMARY

This motion will approve a Professional Services Agreement (PSA) with Hazen and Sawyer to provide engineering design for the Laguna Treatment Plant Electrical Infrastructure Improvements Project, for a total authorized amount of \$2,552,847.

BACKGROUND

This project will upgrade the electrical infrastructure at the Laguna Treatment Plant (LTP) to provide reliable services into the future. Much of the electrical equipment is at the end of its useful service life with replacement parts no longer produced or difficult to locate.

The LTP Power Master Plan from June 2006 was updated by Hazen and Sawyer in January 2023. A condition-based risk assessment of the electrical distribution system resulted in a prioritized list of major assets to be replaced. These improvements will enhance reliability and add redundancy to the electrical distribution system while minimizing costs to ratepayers and optimizing life cycle costs.

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A request for proposals (RFP) was initiated for engineering design and engineering services during construction based on the recommendations of the LTP Power Master Plan by Hazen and Sawyer, dated January 2023, to replace aging and deteriorated electrical infrastructure.

PRIOR BOARD OF PUBLIC UTILITIES REVIEW

Not applicable.

ANALYSIS

1. An RFP for engineering design and engineering services during construction was sent to 552 vendors on September 26, 2023, with a due date of November 13, 2023. A total of 37 firms downloaded the files during the 7-week advertisement period of which 2 proposals were received. It was decided to postpone engineering services during construction until construction funding has been encumbered.
2. Two proposals were received and reviewed and scored by 6 City of Santa Rosa staff. Hazen and Sawyer received the highest scores from all 6 reviewers.
3. The proposal fees from Hazen and Sawyer are in line with industry standards.
4. A PSA with Hazen and Sawyer was developed to include additional services recommended in their proposal including Secondary Clarifier Electrical Improvements, Llano Pump Station Standby Power Study, and the installation of California Tiger Salamander (CTS) exclusion fencing in advance of construction.
5. Implementing the improvements as one large project would provide many benefits, including the use of a single general contractor to coordinate the installation of different project components, procuring the electrical equipment as one package to ensure the equipment will be the same make and model, anticipated cost savings associated with the increased size of equipment packages, and reduced mobilization/demobilization costs. This approach would allow for high-risk electrical equipment to be replaced as quickly as possible.
6. Hazen and Sawyer's proposal reflected a high level of understanding of the work plan, experience with similar kinds of work, highly qualified and experienced staff including industry leaders in electrical engineering, availability to perform the scope of services in a timely manner and a demonstrated familiarity with LTP electrical infrastructure.

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FISCAL IMPACT

Funds for the PSA were previously appropriated in the fiscal year 2023-24 Water Department Subregional Capital Improvement Program budget. It is expected that construction costs will be \$16,000,000, with an additional \$8,000,000 needed for procurement of the electrical equipment, as well as additional costs for construction management and inspection (CM&I) and engineering services, which will be determined later in the process. As a result, the Water Department is budgeting \$8,000,000 of next year's Regional \$11,000,000 CIP budget to this project in order to begin the procurement process which has had long lead times and delivery delays.

ENVIRONMENTAL IMPACT

An initial Study/Mitigated Negative Declaration (IS/MND) will be performed as part of the PSA since a portion of this project involves undergrounding overhead electrical power lines within CTS habitat. However, approval of this PSA is not a project under Section 15378 of the California Environmental Quality Act (CEQA) Guidelines because it is not an activity which has a potential for resulting in either a direct physical change in the environment, or a reasonably foreseeable indirect physical change in the environment.

BOARD/COMMISSION/COMMITTEE REVIEW AND RECOMMENDATIONS

On March 20, 2024, the Contract Review Subcommittee of the Board of Public Utilities reviewed the PSA and unanimously recommended approval to the Board.

NOTIFICATION

Not applicable.

ATTACHMENTS

- Attachment 1 – Location Map
- Attachment 2 – PSA with Hazen and Sawyer

PRESENTER

Greg Dwyer, Associate Civil Engineer