

CITY OF SANTA ROSA
BOARD OF PUBLIC UTILITIES

TO: BOARD OF PUBLIC UTILITIES
FROM: TETYANA MOKVYTS, WATER REUSE ENGINEER
WATER DEPARTMENT
SUBJECT: CONTRACT AWARD – PROFESSIONAL SERVICES
AGREEMENT WITH JACOBS ENGINEERING GROUP INC. FOR
EMERGENCY GENERATOR ENGINE RADIATORS AND FUEL
TANK REPLACEMENT AND LTP FLEET GASOLINE FUELING
STATION ALTERNATIVES EVALUATION AND ENGINEERING
DESIGN SERVICES

AGENDA ACTION: MOTION

RECOMMENDATION

It is recommended by the Water Department and the Contract Review Subcommittee that the Board, by motion, approve a Professional Services Agreement (PSA) with Jacobs Engineering Group Inc. to provide professional services for the Emergency Generator Engine Radiators and Fuel Tank Replacement and LTP Fleet Gasoline Fueling Station Alternatives Evaluation and Engineering Design Services in the amount not to exceed \$514,879.00.

EXECUTIVE SUMMARY

This proposed action will allow for the evaluation of alternatives for each of the project components including: the replacement of the emergency generator engine radiators, the replacement of the emergency generator diesel fuel tank, and the development of an on-site gasoline fueling station, all located at the City's Laguna Treatment Plant. This project is driven by the City's need to reliably maintain permit-compliant wastewater treatment in the event of a power outage.

BACKGROUND

This project is composed of three components, the replacement of the emergency generator engine radiators, the replacement of the emergency generator diesel fuel tank, and the development of an on-site gasoline fueling station, all located at the City's Laguna Treatment Plant.

Emergency Generator Engine Radiators Replacement

The City of Santa Rosa owns and operates two standby emergency generators to provide power to the Laguna Treatment Plant (LTP) in the event of a power outage. Both generators are driven by 16-cylinder diesel engines, manufactured by Caterpillar, Model # 3516. Each engine has its own radiator, manufactured by IEA Inc. Kenosha Wisconsin in January of 1991 and in March of 1995, models EC072F18. Both radiators have leaks, they are at the end of their useful life, and need to be replaced.

Emergency Generator Fuel Tank Replacement

The emergency generators at LTP are powered by diesel fuel from the existing 15,000-gallon double-wall fiberglass Diesel Fuel Underground Storage Tank, manufactured by Owens Corning Tanks Corporation, installed in 1991, model DWT-2S.

The outer wall of the existing emergency generator diesel fuel storage tank has started to deform, preventing effective monitoring of the annular space. The tank is at the end of its useful life and needs to be replaced. The fuel storage tank is critical to ensuring operation of the plant in the event of a power outage and diesel fuel supply will need to be available during the fuel tank replacement.

Gasoline Fueling Station

Currently, there is only a diesel fueling station at LTP. The closest gasoline fueling station is located at Brown Farm, 3000 Llano Road and is not conveniently accessible for fueling. The addition of an on-site gasoline fueling station would provide operational resiliency, particularly during emergencies such as Public Safety Power Shutdowns, when fuel may not be readily available in the area.

This professional services agreement will allow for the evaluation of cost-effective alternatives and provide recommendations for the replacement of the emergency generator radiators and diesel fuel tank as well as provide an alternatives analysis and recommendation for the installation of an on-site gasoline fuel station.

PRIOR BOARD OF PUBLIC UTILITIES REVIEW

None.

ANALYSIS

The Request for Proposals (RFP) for the Emergency Generator Engine Radiators and Fuel Tank Replacement and LTP Fleet Gasoline Fueling Station Alternatives Evaluation and Engineering Design Services was advertised on October 23, 2019 with a due date of November 21, 2019. No proposals were received.

Staff reached out to consultants to understand why they did not submit proposals. Staff found that due to the unique technical expertise required for this project, the pool of qualified engineering consultants is limited. Additionally, the qualified firms the City identified were, at the time, committed to other projects and unable to submit proposals within the time constraints of the RFP.

Subsequently, staff solicited proposals directly from two qualified consulting firms: Brown and Caldwell and Jacobs Engineering Group Inc. On January 21, 2020, both consultants submitted proposals. A review panel evaluated and scored the proposals in accordance with Government Code section 4526, which requires public agencies enter into contracts for engineering services based on demonstrated competence and professional qualifications and at fair and reasonable price to the public agencies. The review panel was comprised of the Deputy Director Regional Water Reuse Operations, the Regional Treatment Plant Superintendent, the Regional Mechanical Superintendent, and the Water Reuse Engineer.

The proposals were evaluated and scored based on the following criteria:

- Responsiveness to Requirements, Terms, and Conditions of the RFP
- Qualifications of the Project Team
- Availability and Ability to Perform the Scope of Services in a Timely Manner
- Understanding of the Work to be Completed
- Previous Experience and Demonstrated Technical Ability
- Reference Response and Demonstrated Performance

Jacobs Engineering Group Inc. was selected as the most qualified consultant for this project based on project specific previous experience, specific technical expertise, and the team's in-depth knowledge of and approach to streamline the permitting process. Jacobs Engineering Group Inc. fee estimate was reviewed and determined to be reasonable and fair for the proposed scope of work.

Project initiation is anticipated to begin in July of 2020 and be completed by July of 2022.

FISCAL IMPACT

Approval of this contract has no additional impact on the budget. Funds for this project were appropriated in the 2019/2020 fiscal year as a mid-year revision.

ENVIRONMENTAL IMPACT

This action is exempt from the California Environmental Quality Act (CEQA) because it is not a project 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, pursuant to CEQA Guideline section 15378.

BOARD/COMMISSION/COMMITTEE REVIEW AND RECOMMENDATIONS

The proposed PSA was presented to the BPU Contract Review Subcommittee on May 15, 2020 for review. The Contract Review Subcommittee unanimously recommended that the Board approve the proposed PSA.

ATTACHMENTS

- Attachment 1 – Professional Services Agreement

CONTACT

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