

CITY OF SANTA ROSA
BOARD OF PUBLIC UTILITIES

TO: BOARD OF PUBLIC UTILITIES
FROM: MARK KASRAIE, PE; SUPERVISING ENGINEER
CAPITAL PROJECTS ENGINEERING
SUBJECT: CONTRACT AWARD – PUMP STATION 15 UPGRADES

AGENDA ACTION: MOTION

RECOMMENDATION

It is recommended by the Water and Transportation and Public Works Departments that the Board, by motion, approve the project and award Construction Contract No. C01994 in the amount of \$760,469.29, to the lowest responsive bidder, Bartley Pump PM LLC, of Santa Rosa, California, for Pump Station 15 Upgrades, approve a 20% contingency, and authorize a total contract amount of \$912,563.15.

EXECUTIVE SUMMARY

This motion will award a construction contract to upgrade our water pumping facility in the Oakmont neighborhood. This project installs a higher energy efficient motor starter on the largest pump (VFD), replaces the emergency standby power generator, recoats the hydropneumatic tank, and replaces outdated controls and instrumentation.

BACKGROUND

This project is part of ongoing Water Department facility repairs and upgrades as part of the overall need to reduce maintenance and improve system reliability. The existing generator is showing signs of inadequate performance and has issues with harmonics due to the existing high-flow pump drive. The hydropneumatic tank is showing signs of aging and needs recoating to ensure continued reliability. The existing electrical and control system is also antiquated, and the proposed project will update this system to current standards.

PRIOR BOARD OF PUBLIC UTILITIES REVIEW

On December 19, 2019, the Board, by Resolution No. 1209, approved proprietary specification for electrical and mechanical equipment at various water department facilities. Equipment specified in this contract was included in the resolution.

ANALYSIS

This project was advertised on January 23, 2020 and bids were received on February 25, 2020. A total of four (4) bids were received, ranging from \$760,469.29 to \$1,022,400. The low bid was approximately 14.87% above the Engineer's Estimate of \$662,000.

Construction is anticipated to begin in May 2020 and be complete in January 2021. Specifications and bid details can be found at: <http://www.srcity.org/bids>. The Public Participation Plan is required and has been approved by the Transportation and Public Works Marketing and Outreach Coordinator.

Local Operations Division of Santa Rosa Water identified equipment on this and two other CIP projects for proprietary specification to match equipment currently in use at their facilities. Equipment with proprietary specification on this contract include: Tesco L3000e programmable logic controller and operator interface terminal, Shark 200 power monitor, ABB 880-31 Ultra-low Harmonic variable frequency drive, Rosemount 8750W flow meter, Rosemount 3051 coplanar pressure indicator transmitter, Ashcroft T6500 process pressure gauge, Val-matic Swing Flex check valve, caterpillar diesel standby generator, and ASCO 7000 automatic transfer switch.

FISCAL IMPACT

Approval of this contract has no additional impact on the budget. Funds for this project were appropriated in the fiscal year 2019-20, Capital Improvement Program budget.

ENVIRONMENTAL IMPACT

This action is categorically exempt from the California Environmental Quality Act (CEQA), pursuant to CEQA Guidelines Section 15302, Replacement or Reconstruction, in that the project consists of the replacement of existing facilities with no expansion of use.

BOARD/COMMISSION/COMMITTEE REVIEW AND RECOMMENDATIONS

None.

ATTACHMENTS

- Attachment 1 – Summary of Bids
- Attachment 2 – Location Map
- Attachment 3 – Resolution #1209

CONTACT

Mark Kasraie, PE | Supervising Engineer
(707) 543-3857 | MKasraie@srcity.org