

CITY OF SANTA ROSA  
BOARD OF PUBLIC UTILITIES

TO: BOARD OF PUBLIC UTILITIES  
FROM: GREG DWYER, ASSOCIATE CIVIL ENGINEER  
TRANSPORTATION AND PUBLIC WORKS  
SUBJECT: PROFESSIONAL SERVICES AGREEMENT APPROVAL –  
CONSTRUCTION MANAGEMENT AND INSPECTION SERVICES  
FOR BACKUP GENERATORS – WATER AND WASTEWATER  
FACILITIES PROJECT

AGENDA ACTION: MOTION

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RECOMMENDATION

It is recommended by the Transportation and Public Works Department and the Water Department that the Board of Public Utilities, by motion, approve a Professional Services Agreement with Green Valley Consulting Engineers, Inc. of Santa Rosa, California, for Construction Management and Inspection Services associated with the Backup Generators – Water and Wastewater Facilities Project in an amount not to exceed \$1,531,328.50.

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EXECUTIVE SUMMARY

This motion will approve a Professional Services Agreement (PSA) in the amount of \$1,531,328.50 with Green Valley Consulting Engineers, Inc. of Santa Rosa, California, for Construction Management and Inspection Services associated with Project C02256 Backup Generators – Water and Wastewater Facilities (Project).

BACKGROUND

The Project will upgrade emergency generators at eighteen (18) critical water and wastewater facilities in response to lessons learned in the 2017 Tubbs Fire and is part of the greater effort to harden our City's infrastructure against future hazards. These upgrades will improve system resiliency by increasing power capacities, transitioning to more reliable fuel, and replacing aging equipment. The new generators will also decrease greenhouse gas emissions.

Many of the current emergency generators at water pump stations and sewer lift stations are "dual-fuel," able to burn either natural gas or propane. During/after the Tubbs fire in 2017, PG&E turned off the natural gas supply, and City staff had difficulty

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AND INSPECTION SERVICES FOR BACKUP GENERATORS – WATER AND WASTEWATER  
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refueling propane-powered emergency generators. Previously identified mechanical issues with these generators were also highlighted during this time. It was determined that replacing the “dual-fuel” generators with diesel generators, which can be refueled using City fleet vehicles, would be in the best interest of the City.

PRIOR BOARD OF PUBLIC UTILITIES REVIEW

On June 18, 2020, the Board of Public Utilities approved, by motion, a PSA with Brelje & Race Consulting Engineers of Santa Rosa, California, for design services for the Project in an amount not to exceed \$485,500.00.

On December 16, 2021, the Board approved by motion, the Second Amendment to the PSA with Brelje & Race Consulting Engineers for design services for the Project in an amount not to exceed \$261,300.

On June 16, 2022, the Board approved, by motion, a Federalized Purchase Order with Peterson Power Systems, Inc., of San Leandro, California, for the purchase of eighteen (18) backup generators for the Project in an amount not to exceed \$1,575,710.00.

On August 18, 2022, the Board, by motion, awarded Construction Contract No. C02256 in the amount of \$9,189,750.00 to the lowest bidder, Terracon Constructors, Inc. of Healdsburg, California, approved a 15% contingency, and authorized a total contract amount of \$10,568,212.50.

ANALYSIS

Upgrading emergency generators at eighteen (18) critical water and wastewater facilities will assist in the City’s effort to harden infrastructure against future hazards, improve system resiliency, use more reliable fuel, replace aging equipment, and decrease greenhouse gas emissions. Purchase of the generators for the Project was scheduled separately from and ahead of construction contract award due to the long lead time for manufacture and delivery.

The Transportation and Public Works Department (TPW) does not have staff available to administer a construction contract of this scale and determined that consultant delivery of construction management and inspection services is appropriate for the Project.

A Request for Proposals (RFP) for Construction Management and Inspection Services was issued on June 8, 2022, and three (3) proposals were received on July 12, 2022. A review panel consisting of an Associate Civil Engineer, two Civil Engineering Technicians, and one Quality Control Associate evaluated the proposals based on the following selection criteria: responsiveness to the RFP, qualifications and experience of the project team, demonstrated technical abilities, availability to perform the scope of work, work plan, and reference projects. The review panel concluded that Green Valley Consulting Engineers, Inc. of Santa Rosa, California is the most qualified proposer to complete

construction management and inspection services for the Project, and that award of this PSA is in the best interest of the City.

Construction is anticipated to begin in September 2022 and to be completed in June 2024.

### FISCAL IMPACT

Funds for this PSA were previously appropriated in the fiscal year 2021-22 Water Department Capital Improvement Program budget.

### ENVIRONMENTAL IMPACT

This action has been determined statutorily exempt from the California Environmental Quality Act (CEQA) under CEQA Guidelines Section 15269(c)(ii), which exempts improvements to essential public service infrastructure facilities designed to mitigate future emergencies.

The use of Federal funds obligates compliance with the National Environmental Policy Act (NEPA). This action is categorically excluded from NEPA under FEMA category code N18, which includes construction or installation of measures for the purpose of ensuring continuity of operations during emergencies.

### BOARD/COMMISSION/COMMITTEE REVIEW AND RECOMMENDATIONS

This contract was reviewed and recommended for approval by the Contract Review Subcommittee on September 1, 2022.

### ATTACHMENTS

- Attachment 1 – Location Map and Information
- Attachment 2 – Professional Services Agreement

### CONTACT

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