

CITY OF SANTA ROSA
BOARD OF PUBLIC UTILITIES

TO: BOARD OF PUBLIC UTILITIES

FROM: GREG DWYER, ASSOCIATE CIVIL ENGINEER
TRANSPORTATION AND PUBLIC WORKS DEPARTMENT
BRANDALYN TRAMEL, PURCHASING AGENT,
FINANCE DEPARTMENT

SUBJECT: FEDERALIZED PURCHASE ORDER APPROVAL FOR BACKUP
GENERATORS AT WATER AND WASTEWATER FACILITIES

AGENDA ACTION: MOTION

RECOMMENDATION

It is recommended by the Transportation and Public Works Department, the Water Department, and the Finance Department that the Board of Public Utilities, by motion, approve a Federalized Purchase Order with Peterson Power Systems, Inc., of San Leandro, California, for the purchase of eighteen (18) Backup Generators for Water and Wastewater Facilities in the amount not to exceed \$1,575,710.00.

EXECUTIVE SUMMARY

This motion will award a Federalized Purchase Order to purchase new emergency generators and related equipment for eighteen critical water pump stations and wastewater lift stations within the City of Santa Rosa. The eighteen sites are combined into one project for efficiency.

BACKGROUND

This project will upgrade emergency generators at eighteen 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. They will also decrease greenhouse gas emissions.

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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/following a fire in 2017 PG&E turned off natural gas and the City had difficulty 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.

In 2018, the City applied for Federal Emergency Management Agency (FEMA) Hazard Mitigation Grant Program funds through the California Governor’s Office of Emergency Services (Cal OES). These funds were awarded in late 2019 to provide reimbursement for 75% of design, construction, and construction management costs on this project.

In June 2020, the Board of Public Utilities approved a Professional Services Agreement (PSA) with Brelje & Race for design services in support of this project. In March 2021, the City executed Amendment No. 1 to this PSA, which commissioned a study evaluating high-flow pumps at water pump stations 16 and 17 to improve emergency water pumping capacities during fire events. The Board approved Amendment No. 2 to this PSA in December 2021, for Brelje & Race to design two new generator buildings at facilities where larger generators will be required due to higher capacity pump arrangements scheduled to be installed as part of a separate capital improvement project (Project ID 2212). Amendment No. 2 also provides for design of electrical, architectural, and structural elements necessary to integrate the new generators into existing infrastructure.

PRIOR BOARD OF PUBLIC UTILITIES REVIEW

On June 18, 2020, the Board of Public Utilities approved, by motion, a Professional Services Agreement (PSA) with Brelje & Race Consulting Engineers, of Santa Rosa, California, for design services for Backup Generators at Water and Wastewater Facilities in the amount not to exceed \$485,500.00.

On December 16, 2021, the Board approved, by motion, Amendment No. 2 to the PSA with Brelje & Race Consulting Engineers for design services for Backup Generators at Water and Wastewater Facilities in the amount not to exceed \$261,300. Amendment No. 2 expanded the scope of the design PSA to include design of buildings to house larger generators at two facilities and ancillary electrical, architectural, and structural components necessary for generator installation.

ANALYSIS

Upgrading emergency generators at eighteen 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 this project is being scheduled separately

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from and ahead of construction contract award due to the long lead time for manufacture and delivery. A construction contract award will be brought to the Board for consideration at a later date, after bids for the construction contract have been solicited.

The City released Request for Proposals 21-44 on July 28, 2021 and received three (3) proposals by August 26, 2021. A review panel composed of City staff familiar with generator projects evaluated the proposals. Panel members included an Associate Civil Engineer, Utility System Supervisor, Quality Control Associate, Supervising Instrumentation Technician, and the City's Fleet Superintendent. Peterson Power Systems, Inc. was selected as the most qualified Vendor for the project due to their ability to meet a comprehensive list of requirements including compatibility with our existing facilities, physical dimensions, tank capacity, performance criteria and the ability to meet project delivery requirements.

The Peterson Power Systems, Inc. Purchase Order amount is not to exceed \$1,575,710.00. Through the Cal OES Hazard Mitigation grant, we anticipate reimbursement of 75% of this cost.

FISCAL IMPACT

Funds for this project 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 section 15269 (c) (ii), which includes 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

Not applicable.

ATTACHMENTS

- Attachment 1 – Peterson Power Systems, Inc. Quote dated 3/10/2022
- Attachment 2 – Location Map and Information
- Attachment 3 – Federalized Purchase Order Terms and Conditions
- Attachment 4 - Exhibit C – Federal Provisions

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