

Agenda Item #6.2

For Board Meeting of: September 15, 2022
CITY OF SANTA ROSA
BOARD OF PUBLIC UTILITIES

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

AGENDA ACTION: MOTION

RECOMMENDATION

It is recommended by the Transportation and Public Works Department and the Water Department that the Board of Public Utilities, by motion, approve the Third Amendment to Professional Services Agreement No. F002153 with Brelje & Race Consulting Engineers, to provide engineering services during construction of the Backup Generators – Water and Wastewater Facilities Project, increasing the contract amount by \$473,200 for a total authorized amount of \$1,100,400.

EXECUTIVE SUMMARY

This motion will approve the Third Amendment to Professional Services Agreement No. F002153 with Brelje & Race Consulting Engineers (Brelje & Race), to provide engineering services during construction Contract No. C02256 Backup Generators – Water and Wastewater Facilities Project (Project), increasing the contract amount by \$473,200.

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. They 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/following the Tubbs fire in 2017, PG&E turned off natural gas and City staff had difficulty refueling

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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. The total Hazard Mitigation Grant eligible costs are \$4,490,084, which includes a Federal obligation of \$3,367,563 for up to 75 percent Federal share; the non-Federal City share match is \$1,122,521. In 2021 a request for a change in scope and obligation was submitted to Cal OES and later approved. The change in scope increased eligible costs to \$9,428,750, FEMA’s obligation to \$6,492,685 and the City’s match to \$2,936,065.

PRIOR BOARD OF PUBLIC UTILITIES REVIEW

On June 18, 2020, the Board of Public Utilities (Board) approved, by motion, Professional Services Agreement (PSA) No. F002153 with Brelje & Race to provide 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 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, my 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.

On June 18, 2020, the Board approved the PSA with Brelje & Race for design services in support of the Project. In March 2021, the City executed the First Amendment to the PSA, which commissioned a study evaluating feasibility of high-flow pumps at water

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pump stations S-16 and S-17 to improve emergency water pumping capacities during fire events.

On December 16, 2021, the Board approved the Second Amendment to the PSA authorizing Brelje & Race to design two new generator buildings at Pump Station S-16 (located at 4177 Chanate Road) and S-17 (located at 280 Fountaingrove Parkway). Amendment No. 2 also provided for design of electrical, architectural, and structural elements necessary to integrate the new generators into existing infrastructure.

The Third Amendment to the PSA will allow Brelje & Race to provide engineering services during construction of the Project, including submittal reviews, responses to requests for information, attendance at weekly construction meetings, and site visits. Construction is anticipated to begin in October 2022 and to be completed in June 2024.

FISCAL IMPACT

Funds for the Third Amendment to the PSA were previously appropriated in the fiscal year 2021-22 Water Department Capital Improvement Program budget and not impact the General Fund.

ENVIRONMENTAL IMPACT

This action has been determined statutorily exempt from the California Environmental Quality Act (CEQA) under 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

Not applicable.

ATTACHMENTS

- Attachment 1 – Location Map and Information
- Attachment 2 – Amendment 3 to PSA No. F002153

CONTACT

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Transportation and Public Works Department

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