Agenda Item # 7.3
For Board Meeting of: October 16, 2025

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 FIFTH AMENDMENT TO PROFESSIONAL SERVICES AGREEMENT – ENGINEERING SERVICES FOR BACKUP GENERATORS – WATER AND WASTEWATER FACILITIES PROJECT

AGENDA ACTION: MOTION

RECOMMENDATION

It is recommended by Santa Rosa Water and the Transportation and Public Works Department that the Board of Public Utilities, by motion, (1) approve the fifth amendment to Professional Services Agreement No. F002153 with Brelje & Race Consulting Engineers, to provide engineering services during construction for the Backup Generators – Water and Wastewater Facilities project, increasing the contract amount by $49,860, for a total authorized amount of $1,400,110; and (2) with this approval, ratify the third amendment to Agreement No. F002153 and confirm the Board of Public Utilities' intent in approving the third amendment.

EXECUTIVE SUMMARY

This motion will approve the fifth amendment to Professional Services Agreement No. F002153 with Brelje & Race Consulting Engineers, to provide engineering services during construction for Contract No. C02256 Backup Generators – Water and Wastewater Facilities, increasing the contract amount by $49,860. Also, the third amendment to Agreement No. F002153 contained a numerical error, listing a cumulative not-to-exceed amount for the contract of $1,100,400 rather than the intended total of $1,256,000. Approval of the fifth amendment will ratify that the Board in the third amendment intended to approve a not-to-exceed amount of $1,256,000.

BACKGROUND

Construction Project No. C02256 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 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 were $4,490,084, which included a Federal obligation of $3,367,563 for up to 75 percent Federal share; the non-Federal City share match was $1,122,521.

In June 2020, the Board of Public Utilities approved a Professional Services Agreement (PSA) with Brelje & Race Consulting Engineers for design services in support of this project in the amount of $485,500. Amendment 1 did not go to the Board of Public Utilities because the City Attorney’s Office staff determined that it could be approved by the City Manager. 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, authorizing Brelje & Race to design two new generator buildings at Pump Station S-16 and S-17. New generator buildings are necessary at these sites to accommodate larger generators that will power 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.

In June 2021, the City received approval for additional FEMA Hazard Mitigation Grant funds through the California Governor’s Office of Emergency Services. The total Hazard Mitigation Grant eligible costs were increased to $9,428,750, which included a Federal obligation of $6,492,685 for up to a 69% Federal share with a non-Federal City share match of $2,936,065.

On June 16, 2022, the Board of Public Utilities awarded a Federalized Purchase Order to Peterson Power Systems, Inc., of San Leandro, California, for the purchase of eighteen (18) backup generators for the water and wastewater facilities, in the amount not to exceed $1,575,710.00. The generators are being purchased separately from and

ahead of the construction contract award due to the long lead time for manufacturing and delivery.

On August 18, 2022, the Board 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.

On September 15, 2022, the Board approved by motion, Amendment No. 3 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 $473,200. Amendment No. 3 expanded the scope of the design PSA to include engineering services during construction. Staff recently discovered a numerical error in the September 15, 2022 Staff Report. The Staff Report Recommendation listed the total authorized amount of $1,100,400 when the actual cumulative total was $1,256,000.

On January 8, 2025, the City executed Amendment No. 4 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 $94,250. Amendment No. 4 expanded the scope of the design PSA to include plan revisions related to new Bay Area Air Quality Management District (BAAQMD) regulations stipulated during the permitting process.

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 S-16 (4177 Chanate Road) and S-17 (280 Fountaingrove Parkway) and ancillary electrical, architectural and structural components necessary for generator installation.

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 Water and Wastewater Facilities. Purchase of the generators for this project was scheduled separately from and ahead of construction contract award due to the long time for manufacture and delivery.

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.

On September 15, 2022, the Board approved by motion, Amendment No. 3 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 $473,200. Amendment No. 3 expanded the scope of the design PSA to include engineering services during construction. The Staff Report for the item incorrectly authorized an amount of $1,100,400 when the actual cumulative total was $1,256,000.

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 was scheduled separately from and ahead of construction contract award due to the long lead time for manufacture and delivery.

Professional Services Agreement (PSA) No. F002153 with Brelje & Race Consulting Engineers was approved by the Board of Public Utilities on June 18, 2020, for design services in support of this project. In March 2021, the City executed Amendment No. 1 to this PSA in the amount of $36, 000, 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, authorizing Brelje & Race to design two new generator buildings at Pump Station S-16 and S-17. New generator buildings are necessary at these sites to accommodate larger generators that will power higher capacity pump arrangements scheduled to be installed as part of a separate capital improvement project (Project ID 2212). Amendment No. 2 also provided for design of electrical, architectural, and structural elements necessary to integrate the new generators into existing infrastructure.

Amendment No. 5 to the PSA will allow the Consultant to extend engineering services during construction caused by BAAQMD permitting delays and new regulatory requirements. Several BAAQMD permits took over 2 years which had a substantial impact on construction operations. Remaining work includes testing and commissioning of the newly required aftermarket emission system at Water Pump Station S-04, completion of final construction punch list related reviews, detailed review of as-built drawings prepared by construction management and inspection team and preparation of final plan revisions to document as-built conditions. Amendment No.5 will rectify a numerical error in Amendment No. 3 by confirming the Board's intent for the not-to-exceed amount.

FISCAL IMPACT

Funds for this Professional Services Agreement (PSA) were previously appropriated in the Water Department Capital Improvement Program budget, and approval of this PSA Amendment has no additional fiscal impact on 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 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.

NOTIFICATION

Not applicable.

ATTACHMENTS

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

CONTACT

Greg Dwyer, Associate Civil Engineer, Transportation and Public Works Department