

CITY OF SANTA ROSA  
BOARD OF PUBLIC UTILITIES

TO: BOARD OF PUBLIC UTILITIES

FROM: ADAM RAUSCH, PHD, PE, ASSOCIATE CIVIL ENGINEER  
TRANSPORTATION AND PUBLIC WORKS DEPARTMENT

SUBJECT: APPROVAL OF PROFESSIONAL SERVICES AGREEMENT  
AMENDMENT 2 FOR DESIGN SERVICES FOR BACKUP  
GENERATORS AT WATER AND WASTEWATER FACILITIES

AGENDA ACTION: MOTION

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RECOMMENDATION

It is recommended by the Transportation and Public Works Department, the Water Department, and the Contract Review Subcommittee that the Board of Public Utilities, by motion, approve the Professional Services Agreement (PSA) Amendment 2 with Brelje & Race Consulting Engineers, of Santa Rosa, CA (Brelje & Race), for design services for Backup Generators at Water and Wastewater Facilities in the amount not to exceed \$261,300.

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EXECUTIVE SUMMARY

This motion will award Amendment 2 of the Professional Services Agreement (PSA) with Brelje & Race Consulting Engineers, of Santa Rosa, CA. The PSA provides design of new emergency generators at eighteen water pump stations and wastewater lift stations, combined in one project for efficiency and economies of scale. This project is funded in part by a grant from the Federal Emergency Management Agency (FEMA).

This amendment has been formalized under two parts to delineate work outside the current scope of the FEMA grant (Exhibits A-2, B-2), and work reimbursable under the current scope of the grant (Exhibits A-3, B3). Exhibit A-2 expands the scope to include design of buildings to house larger generators at two facilities where generators are being installed. Exhibit A-3 expands the scope to include design of ancillary electrical, architectural, and structural components necessary for generator installation.

BACKGROUND

This project will upgrade emergency generators at eighteen critical water and wastewater facilities based on lessons learned in the 2017 Tubbs Fire. It is part of the greater effort to harden our City's infrastructure against future hazards. These upgrades

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will improve system resiliency by increasing power capacities, transitioning to more reliable fuel, and replacing aging equipment. They will also decrease greenhouse emissions.

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. Since then, the City has applied for and has been awarded additional FEMA funds to support these elements, raising the reimbursement cap to \$6,492,685.

In 2020, the Board of Public Utilities approved a PSA with Brelje & Race for design services in support of this project. In June 2020, The City executed Amendment 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 hazards. The resulting study describes pump arrangements that would provide an additional 1,500 gallons per minute to the tanks along Fountaingrove Pkwy. Installation of these pump arrangements is slated for inclusion in a separate capital improvement project (PID 2212).

To power the additional pumps, these two facilities will require larger generators, which cannot be housed in the existing buildings. Execution of Amendment 2 will, through services described in Exhibit A-2, expand the Brelje & Race PSA to provide engineering services for the design of two new generator buildings. This work is outside the current scope of the FEMA grant and would not be reimbursable without submission and approval of an application for scope change.

During the design process, staff also identified electrical, architectural, and structural elements necessary to integrate the new generators into the existing infrastructure. These elements include transfer switches, receptacles, interlocks, and transformers; louvers, fans, and roof replacements; as well as concrete pads, bollards, and retaining walls. Execution of Amendment 2 will also, through services described in Exhibit A-3, expand the Brelje & Race PSA to incorporate these elements into design documents. This work is within the FEMA current scope and eligible for reimbursement.

#### PRIOR BOARD OF PUBLIC UTILITIES REVIEW

On June 18, 2021, the Board, by Motion, approved a Professional Services Agreement for Design Services for Backup Generators at Water and Wastewater Facilities.

#### ANALYSIS

The City executed the original design PSA with Brelje & Race following competitive proposals, with a fee not-to-exceed (NTE) \$485,500. This fee was consistent with the initial engineering estimate of \$497,000.

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With Amendment 1, the NTE amount was increased by \$36,000 for the additional scope.

If approved, Amendment 2 will increase the NTE design fee by \$261,300. Of this increase, \$105,700 would correspond to work outside the current FEMA scope (Exhibit B-2) and \$155,600 would correspond to work within the current FEMA scope (Exhibit B-3). This would bring the total design fee to \$782,800 and the currently reimbursable total to \$677,100, still well below the FEMA-approved design budget of \$775,000.

Approval of Amendment 2 would allow design of buildings to house improved emergency generators at water pump stations 16 and 17, hardening critical fire response infrastructure, as well as completion of design for emergency generator improvements at water and wastewater facilities throughout the City.

#### FISCAL IMPACT

Approval of this contract has no additional impact on the budget. Funds for this project were previously appropriated in Capital Improvement Program budgets.

#### ENVIRONMENTAL IMPACT

This action has been determined to be statutorily exempt from the California Environmental Quality Act (CEQA) under CEQA Guidelines Section 15269(c), which includes improvements to essential public service infrastructure facilities designed to mitigate risk and improve integrity in response to an emergency.

The use of Federal funds obligates compliance with the National Environmental Policy Act (NEPA). This action has been determined categorically excluded from NEPA under category code N18-Federal Assistance for Construction or Installation of Structures, Facilities, or Equipment to Ensure Continuity of Operations, which includes assistance with the construction or installation of measures for the purpose of ensuring continuity of operations during emergencies.

#### BOARD/COMMISSION/COMMITTEE REVIEW AND RECOMMENDATIONS

The original PSA was reviewed and recommended for approval by the Contract Review Subcommittee on June 3<sup>rd</sup>, 2020 and awarded by the Board of Public Utilities on June 18<sup>th</sup>, 2020.

Amendment 2 was reviewed and recommended for approval by the Contract Review Subcommittee on Dec 8<sup>th</sup>, 2021.

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ATTACHMENTS

- Attachment 1 – Location Map
- Attachment 2 – Professional Services Agreement Amendment 2

CONTACT

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