

CITY OF SANTA ROSA
BOARD OF PUBLIC UTILITIES

TO: BOARD OF PUBLIC UTILITIES
FROM: ADAM RAUSCH, PHD; ASSISTANT ENGINEER
TRANSPORTATION AND PUBLIC WORKS DEPARTMENT
SUBJECT: PROFESSIONAL SERVICES AGREEMENT APPROVAL FOR
DESIGN SERVICES 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 Contract Review Subcommittee that the Board, by motion, approve the Professional Services Agreement (PSA) with Brelje & Race Consulting Engineers, of Santa Rosa, CA, for design services for Backup Generators at Water and Wastewater Facilities in the amount not to exceed \$485,500.00.

EXECUTIVE SUMMARY

This motion will award the Professional Services Agreement for the design of new emergency generators and related equipment for eighteen critical water pump stations and wastewater lift stations. The eighteen sites are combined into one project for efficiency.

BACKGROUND

Most of the emergency generators to be replaced operate on natural gas or propane. During the 2017 Tubbs Fire, PG&E shut down both electricity and natural gas. Efforts to refuel these generators with propane highlighted both logistical challenges to propane refueling in emergency conditions and mechanical issues with the generators themselves. In contrast, neither problem was encountered with the City's diesel generators. This project includes replacement of fifteen such dual-fuel generators with diesel equivalents, as well as replacement of three diesel generators beyond their service life.

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) to replace emergency generators.

The application was approved by FEMA and Cal OES in November and December 2019, respectively. The obligated funds provide reimbursement for 75% of design, construction, and construction management costs for this project, provided the work is performed within a performance period currently ending November 2021. The City intends to apply for a one-year extension to that performance period. The total federal reimbursement under this grant is capped at \$3,487,500.

If the PSA is approved, designs would be made for replacement of emergency generators at the following City facilities:

Facility	Address	Current fuel
Sewer Lift Station 03	3987 CLEARBROOK CT	NG/P
Sewer Lift Station 04	4021 SKYFARM DR	NG/P
Sewer Lift Station 05	3925 FAWN GLEN PL	NG/P
Sewer Lift Station 09	601 PIEZZI RD	NG/P
Sewer Lift Station 10	1426 COUNTRY MANOR DR	NG/P
Sewer Lift Station 11	W COLLAGE AVE & FULTON RD	NG/P
Sewer Lift Station 17	8810A OAKMONT DR	NG/P
Sewer Lift Station 18	3975 SHELTER GLEN WAY	NG/P
Sewer Lift Station 20	3710 NEWBURY CT	NG/P
Sewer Lift Station 21	3919 FLINTRIDGE DR (LS-E)	NG/P
Water Pump Station 01	280 FOUNTAIN GROVE PKWY	NG/P
Water Pump Station 04	2260 SONOMA AVE	Diesel
Water Pump Station 10	4738 WOODVIEW DR	NG/P
Water Pump Station 13	801 WHITE OAK DR	Diesel
Water Pump Station 14	1051 WHITE OAK DR	Diesel
Water Pump Station 16	4177 CHANATE RD	NG/P
Water Pump Station 17	2750 FOUNTAIN GROVE PKWY	NG/P
Water Pump Station 18	2195 FOUNTAIN GROVE PKWY	NG/P

- NG/P – Natural Gas/Propane

PRIOR BOARD OF PUBLIC UTILITIES REVIEW

None.

ANALYSIS

The City released a Request for Proposals on December 27, 2019 and received three (3) proposals by January 17, 2020. A review panel composed of a Supervising Engineer, an Assistant Engineer, and two Quality Control Associates familiar with generator projects evaluated the proposals. Brelje & Race was selected by the panel as the most qualified consultant for the project.

The Brelje & Race contract amount is not to exceed \$485,500. This fee is consistent with the initial engineering estimate (\$497,000) and below the approved design budget in the Hazard Mitigation grant (\$775,000). Through the grant, we anticipate reimbursement of 75% of these design fees, or up to \$364,125, leaving the cost to the City at \$121,375.

The design PSA includes the necessary site visits, needs assessments, and alternative analyses for a preliminary design and memorandum. It also includes development of construction documents for all civil, mechanical, structural and electrical work, including demolition of existing generator elements. Design completion is estimated for January 2021.

FISCAL IMPACT

Approval of this contract has no additional impact on the budget. Funds for this project were previously appropriated in the fiscal year 2019-20 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 has been determined categorically exempt from NEPA under 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

On June 3, 2020, the Contract Review Subcommittee met and recommended that the Board, by motion, approve the PSA.

ATTACHMENTS

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

CONTACT

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