



CITY FACILITY ENERGY AUDIT AND MICROGRID STUDY

City Council Meeting
December 1, 2020

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and Operations Coordinator
Transportation and Public Works

BACKGROUND

- On January 28, 2020, the City Council directed City staff to pursue an energy audit.
- The Transportation and Public Works Department issued a request for proposals on August 6, 2020 and have received 7 proposals.
- The panel unanimously agreed that AECOM Technical Services, Inc. best met The City of Santa Rosa's need for a City Facility Energy Audit and Microgrid Study.

ENERGY AUDIT

The Consultant will explain:

- Existing conditions and recommended changes, including equipment specs and specific locations of installations
- How the measure will save energy and how much energy it will save
- Financial analysis results including costs of recommended measures
- Effects on maintenance and comfort
- Funding and grant opportunities

ENERGY AUDIT

- At specified facilities located in the City of Santa Rosa, conduct inspections in order to identify site specific energy related deficiencies in order to provide report outlining recommendations for energy saving improvements. The report should include detailed descriptions of each recommended Energy Efficiency Measures (EEM)

RENEWABLE ENERGY AND STORAGE RECOMMENDATIONS

At specified facilities located in the City of Santa Rosa the renewable energy and storage recommendations shall include a cost analysis of the project, utility cost savings, and the reduction of the City of Santa Rosa's carbon footprint as a result of a renewable energy and storage project implementation.

RENEWABLE ENERGY AND STORAGE RECOMMENDATIONS

The City of Santa Rosa is also looking for the most innovative and forward-thinking solutions available to transition from non-renewable energy sources to renewable sources welcoming new ideas and creative thinking to identify potential projects.

MICROGRID TECHNOLOGY

At Municipal Service Center North, Municipal Service Center South, Transit Operations Building, Finley Community Center, the Fire Training Center, City Hall Complex, City Hall Annex, the Chamber Building, and the Public Safety Building, the Consultant will conduct a feasibility study and make recommendations for microgrid technologies.

RECOMMENDATION

It is recommended by the Department of Transportation and Public Works, that the Council, by resolution, approve a Professional Services Agreement with AECOM Technical Services, Inc. of Los Angeles, California, to conduct a City Facility Microgrid Study and Energy Audit for City owned structures and property, in the amount of \$254,090 and appropriate the funding for the contract from the General Fund unassigned reserves.