



Standardization of Battery Backup Systems for City of Santa Rosa Traffic Signal Systems

City Council Meeting
November 17, 2020

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BACKGROUND

- A battery backup system (BBS) provides power to a traffic signal during power loss
- BBS mitigate traffic congestion during emergency evacuations and power outages
- City awarded \$1,418,850.00 in Hazard Mitigation Grant funding to install BBS City-wide
- City staff performed extensive testing on BBS units based on functionality, compatibility, maintenance and runtime

ANALYSIS

- City invited multiple manufacturers for demonstration & testing
- Staff found units manufactured by Clary, Alpha and ZincFive meet needs of existing infrastructure and HMGP grant
- Standardization will maintain system compatibility and maintenance continuity for future signal projects

RECOMMENDATION

It is recommended by the Transportation and Public Works Department that Council, by resolution, 1) approve a standardization for battery backup systems manufactured by Alpha Technologies Limited, of Burnaby, British Columbia, Canada, Clary Corporation, of Monrovia, California, or ZincFive Inc., of Tualatin, Oregon, for all new traffic signal system installations as well as the retrofitting of 175 of the city's 214 current traffic signals; 2) authorize the City Manager or his designee to negotiate for and purchase such standardized battery backup systems in an amount not to exceed \$1,418,850 through a period ending December 2021; and 3) authorize the Purchasing Agent to issue purchase orders for the purchase of battery backup systems in conformance with this resolution.

Questions?