



Staff Report

TO: City Council
FROM: Thaxton Van Belle, General Manager of Utilities
DATE: October 4, 2022
SUBJECT: Presentation of Tesla Commercial Energy Battery Energy Storage System for Emergency Backup and Peak Shaving

Background and Analysis:

The City of Beaumont staff has been working with Tesla to install Battery Energy Storage Systems (BESS) at several wastewater facilities. The installation of the BESS will provide emergency backup power during Public Safety Power Shutoff (PSPS) events by Southern California Edison and reduce power consumption during peak hours to reduce energy costs.



City staff worked to secure grant money through the California Self-Generation Incentive Program (SGIP), Energy Resiliency tier, so there are no installation, equipment or annual service costs to the City.

A recent system analysis (attached) lists the equipment value at \$511,987 and projects annual energy savings of \$13,524; or \$312,417 over 20 years.

Fiscal Impact:

There is no installation, equipment, or annual service cost to the City. The Wastewater Fund will receive \$511,987 in capital assets and a potential of \$13,524 in energy savings to the wastewater operating budget annually. The cost to prepare this report is \$240.

Recommended Action:

Receive and file this report.

Attachments:

- A. Telsa Savings Analysis – August 2022
- B. SGIP Informational Brochure