

COUNTY OF SANTA BARBARA
GENERAL SERVICES

Betteravia Renewable Energy Project



GENERAL SERVICES

Betteravia Renewable Energy & Energy Efficiency Upgrades



Project Details

- 0.8 Megawatt photovoltaic system on top of covered parking structures at Betteravia
- LED lighting, Solar, and Battery at Fire Sta 12
- Lithium battery energy storage system (4-8 hours)
- Daylight harvesting solar tubes installed
- Replacements of all of the fixed interior and exterior lights with cost effective LED lighting and controls
- Connections for up to 30 future electric vehicle charging stations at the Betteravia campus.



Financing

<u>Funding Source</u>	<u>Amount</u>	<u>Component Funded</u>
CEC 1% Loan	\$2,273,537 ¹	Solar Panels and Mounting
PG&E 0% On-Bill Financing	\$ 614,221	LED Lights and Controls
General Fund	<u>\$1,600,000</u>	Battery System, Misc. and Contingency
Total	\$4,487,758	

1) Includes interest cost of \$151,007



Highlights

- Addresses PSPS Resiliency for both the Betteravia Campus and Fire Station 12
- The loan payment will be offset by the reduced utility bills and reduced maintenance costs of new lighting equipment as well as rebates for the battery system
- Battery / solar combination resiliency – Solar by day, battery at night. Generator as backup.
- The amount of the utility savings and rebates averages \$378,000 annually over the 15 year period.
- Positive cash flow each year



Recommended Actions

- a) Find, that the project complies with Government Code Section 4217.12
- b) Award, and authorize the Chair to execute an Energy Service Contract with Endelos in the amount of \$4,336,751
- c) Approve and authorize the Chair to execute the On-Bill Financing Loan Agreement in a form substantially similar to the agreement and note included as Attachment 2
- d) Approve and authorize the Chair to execute a CEC loan agreement and promissory note, in a form substantially similar to the agreement and note included as Attachment 3
- e) Determine that the renewable energy project is statutorily exempt from the provisions of CEQA