

COUNTY OF SANTA BARBARA
GENERAL SERVICES

County of Santa Barbara

Exterior Lighting Energy Savings Project

March 9, 2021



GENERAL SERVICES

Exterior Lighting Project



- Seeking approval of an On-Bill Financing Loan Agreement for an exterior lighting project
- LED lighting installed at various South County buildings and parking lots located in Southern California Edison territory.
- On Bill Financing was approved by the Debt Advisory Committee on December 22, 2020.

Exterior Lighting Project



- Over 600 high energy lamps will be replaced with low energy LED lights and fixtures.
- \$134,445 SCE On Bill Financing 0% interest loan is paid back through the County's SCE utility bill, with monthly payments matched to the monthly energy savings.

Estimated Savings
\$2,859 per month
\$34,309 per year

Estimated Net Savings (NPV)
\$314,428
over project lifetime

Simple Payback Period
5.0 Years

Exterior Lighting Project



Exterior Lighting Project	
Gross Project Cost (including 20% Contingency*)	\$ 248,151
Funding Sources	
SCE OBF 0% Loan (Fund 30 initially)	\$ 134,445
Lighting Rebates Awarded (Fund 30 initially)	\$ 23,706
Fund 30, Project 8846 - Energy Reduction Upgrades	\$ 90,000
Total	\$ 248,151

* Contingency will cover cost overruns and price increases since the project was originally designed, or any issues with older wiring or electrical components encountered during the project.

Positive Cash Flow to Support Repayment of the Loan

OBF Loan Principal	Loan Interest	Loan Term (Years)
\$134,445	0.0%	5.00

Year	Incentives & Financing	Est. Utility Savings	Est. Maintenance Savings	Total Cash Inflows	Est. SCE OBF Payment	Total Cash Outflows	Net Cash Flows (Present Value)
0	\$158,152			\$158,152		(\$158,152)	\$0
1	\$0	\$28,911	\$4,640	\$33,551	(\$26,294)	(\$26,294)	\$7,257
2	\$0	\$29,403	\$4,687	\$34,090	(\$25,713)	(\$25,713)	\$8,377
3		\$29,904	\$4,735	\$34,638	(\$25,145)	(\$25,145)	\$9,493
4		\$30,412	\$4,783	\$35,195	(\$24,589)	(\$24,589)	\$10,606
5		\$30,930	\$4,831	\$35,761	(\$24,046)	(\$24,046)	\$11,716
6		\$31,456	\$4,880	\$36,337	(\$3)	(\$3)	\$36,333
7		\$31,991	\$4,930	\$36,922	\$0	\$0	\$36,922
8		\$32,536	\$4,980	\$37,516	\$0	\$0	\$37,516
9		\$33,089	\$5,031	\$38,120	\$0	\$0	\$38,120
10		\$33,652	\$5,082	\$38,735	\$0	\$0	\$38,735
11		\$34,225	\$5,134	\$39,359	\$0	\$0	\$39,359
12		\$34,807	\$5,186	\$39,993	\$0	\$0	\$39,993
<i>*All values are in Present</i>	Totals	\$381,319	\$58,899	\$598,370	(\$125,790)	(\$283,942)	\$314,428



Recommended Actions

- a) Find that funds for the repayment of the On-Bill Financing loan from Southern California Edison are projected to be available from funding that otherwise would have been used for purchase of electrical energy
- b) Approve and authorize the Chair to execute the On-Bill Financing Loan Agreement for an On Bill 0% financing Loan from Southern California Edison (SCE) in the amount of \$134,445.89 with a 5.1-year term
- c) Find that this is exempt from environmental review under the California Environmental Quality Act (CEQA)

