

**CALIFORNIA STREET LIGHT ASSOCIATION  
SAN JOSE 2010**

**FINANCING STREET  
LIGHTING RETROFITS**

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## Energy Commission & Its Functions

**Energy policy and information  
advisor to the California governor  
and legislature**

- **Major functions:**
  - License power plants
  - Assess current and future energy trends
  - Advance energy technologies
  - Develop Buildings & Appliance Standards.
  - Promote energy efficiency and renewable energy



## Energy Commission Financing for Local Government

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- Energy Efficiency Project Financing
  - ☑ Can provide up to 100% of your project costs
  - ☑ Energy savings are used to repay us back for the funds that you use



## Energy Efficiency & Renewable Project Financing

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- Funding for energy efficiency and self generation projects
- Interest rate is 1% ARRA or 3% ECAA
- Can provide up to 100% funding for projects
- Up to \$3 million per application — no minimum

First come, first served

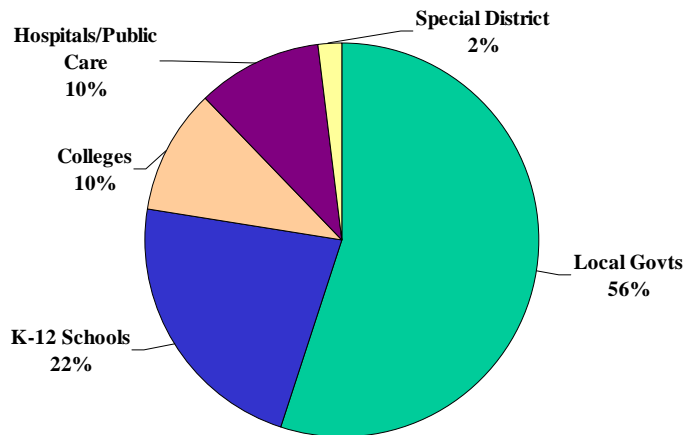


## Unique Financing Features

- Simple application, no fees or points
- Technical review of each application
- Pay us back with the estimated savings from your projects
- First payment due min. 6 months after project completion and after energy cost savings are accrued
- Up to 15 years to pay us back, no penalty for paying us back early
- Funds can supplement incentives/rebates
- Loans are not collateralized or secured
- Free technical support available during and after project installation
- Max. Loan = Annual cost savings x 11 years

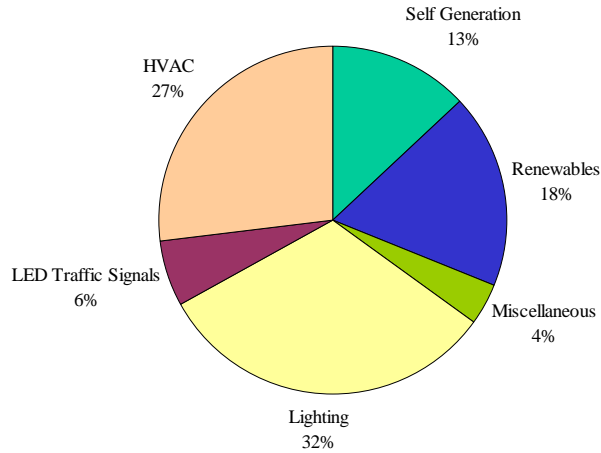


## 752 Recipients Have Received Loans Totaling \$250 Million



## What Has Been Funded with Loans?

\$180 million in loans since 2000



## Street Lighting Conversion with CEC FINANCING

### Partial List

- City of Albany\*
- City of Belmont
- City of Dixon
- City of Pinole
- City of Scotts Valley
- City of Lafayette
- City of Soledad
- City of Seaside
- City of Capitola
- City of Willows
- City of Larkspur
- Town of Fairfax
- City of San Diego\*
- City of Los Angeles\*
- City of Chula Vista\*
- City of Carlsbad\*
- City of Piedmont
- City of Fairfield\*
- City of Gonzales
- City of Watsonville\*
- City of Brisbane\*
- City of Menlo Park
- County of Yolo
- County of Merced
- County of San Benito



## LED FIXTURES



## INDUCTION FIXTURES



The  
Garden State  
just got  
greener

[learn more](#)



Introducing  
The Jersey Series  
Roadway Lighting



### LED Street Light Cost Estimates

# LED	Wattage	Material Cost Incl. PC	Labor Cost Per Fixture	Freight Charges
20	37	\$300	\$40 - \$100	\$10
30	54	\$350	\$40 - \$100	\$10
40	70	\$400	\$40 - \$100	\$10
50	90	\$450	\$40 - \$100	\$10
60	106	\$500	\$40 - \$100	\$10
80	139	\$600	\$40 - \$100	\$10
90	163	\$650	\$40 - \$100	\$10
100	181	\$700	\$40 - \$100	\$10
120	216	\$800	\$40 - \$100	\$10



### INDUCTION Street Light Cost Estimates

Lamp Wattage (+5% Gen.)	Material Cost Incl. Gen., PC, TC	Labor Cost Per Fixture	Freight Charges
40	\$200	\$40 - \$100	\$10
55	\$220	\$40 - \$100	\$10
65	\$220	\$40 - \$100	\$10
80	\$230	\$40 - \$100	\$10
100	\$245	\$40 - \$100	\$10
150	\$375	\$40 - \$100	\$10
200	\$450	\$40 - \$100	\$10



## ***LED or INDUCTION*** **Partial List**

### **LED**

- City of Albany\*
- City of Belmont
- City of Dixon
- City of Pinole
- City of Watsonville\*
- City of Lafayette
- City of Gridley
- City of El Paso Robles
- City of Millbrae
- City of Willows
- City of Lemoore
- Town of Fairfax

### **INDUCTION**

- City of San Diego\*
- City of Los Angeles\*
- City of Chula Vista\*
- City of Carlsbad\*
- City of Piedmont
- City of Fairfield\*
- City of Scotts Valley
- City of Soledad
- City of Capitola
- City of Seaside
- City of San Juan Batista
- County of Merced
- County of San Benito



## ***LED or INDUCTION*** **Partial List**

### **LED**

- County of Marin
- City of Red Bluff
- City of La Canada Flintridge
- City of Lemon Grove
- City of Emeryville
- City of Needles
- City of Orinda
- City of Oroville
- City of Marysville
- City of Westlake Village
- City of Carpinteria
- City of Saratoga

### **INDUCTION**

- City of Los Gatos
- City of Calipatria
- City of Westmorland
- City of Williams
- City of Atascadero
- Town of Hillsborough
- City of King City
- County of Plumas
- City of Patterson
- City of Ridgcrest
- City of San Fernando
- City of Pismo Beach
- City of Imperial Beach



## Additional Resources

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California Energy Commission (CEC)

[www.energy.ca.gov](http://www.energy.ca.gov)

California Lighting Technology Center (CLTC)

<http://cltc.ucdavis.edu>

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