



City of Long Beach City-Wide LED Streetlight Retrofit Project

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SoCalREN Public Agency Program Summary

In 2012, the California Public Utilities Commission (CPUC) authorized the County of Los Angeles/Southern California Regional Energy Network (SoCalREN) to serve public agencies and their constituencies throughout Southern California.

SoCalREN's mission is to harness the collective action of public agencies and their constituents to help them save energy by providing needed resources and technical expertise.

At no cost to agencies, SoCalREN identifies energy saving measures and works side-by-side with agency staff from audit through construction to help accomplish energy efficiency projects. SoCalREN is an objective third-party resource, focused on energy savings and upgrading facilities.

Services include:

- Start-to-finish project management support
- Technical assistance
- Access to financial advisory services
- Access to competitively bid specialty contractors
- Assistance with utility rebate and On-Bill Financing (OBF) processing
- And more!

SoCalREN was created on the belief that public agencies can be powerful agents of change. As role models for their communities, they represent the first level of public service, the first level of accountability, and the first level of leadership. Energy conservation at the local level gives communities direct, tangible benefits in the form of freed-up public resources. Energy efficiency is not only about stopping waste. For public agencies, it is also about being able to provide more services to their communities.

SoCalREN provides free services to qualifying agencies interested in retrofitting their existing streetlights, including financial and technical assessments, completion of the utility incentive application, and construction management support.

SoCalREN is administered by the County of Los Angeles and funded by California utility ratepayers under the auspices of the CPUC. The program is available to more than 700 public agencies in Southern California.

For more information, please contact info@socalren.com or call 1-855-700-NETWORK.



FACTS ABOUT THE PROJECT

- **Converting HPS (High Pressure Sodium) to LED (Light Emitting Diodes)**
- **Retrofitting over 22,000 street and safety lights**
 - Fourth largest street lighting retrofit on the West Coast
 - Over 1,700 safety lights funded by Long Beach Port Mitigation Grant
 - Over 21,000 streetlights for the balance of the City-wide retrofit
- **Construction in two phases (both phases completed by December 2017)**
 - Phase 1 - Long Beach Port Mitigation Grant for City's safety lights
 - Phase 2 - Remainder of the City-wide streetlights

ENERGY SAVINGS

- **Realized annual savings of nearly 7,500,000 kWh per year and reduction of overall energy consumption by over 6%**
- **Reduction of greenhouse gas emissions equivalent to taking 370 cars off the road annually**

FINANCIAL SAVINGS

- **Cost savings**
 - Over \$820,000 estimated annual savings
 - Over \$12 million estimated savings over project lifetime
 - 3.9 year simple payback period
- **Project funding captured from utility rebates**
 - Over \$2.8 million in approved incentives

OTHER BENEFITS

- **More uniform and better quality lighting, improving visibility for drivers, cyclists and pedestrians**
- **Reduced energy consumption mitigates future utility cost escalation**
- **The life span of the LEDs specified for this project is 100,000 hours, equivalent to almost 12 years of continuous operation which equates to 24-years of life when in operation 12-hours per day**

SoCalREN'S PROJECT TIMELINE

DECEMBER 2014

Completed high level analysis
12/14

Completed audits
3/15

Applied for incentives
4/15

Incentives approved
7/15

Construction kickoff
OCTOBER 2015

