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Spring 2010

part·ner·ship (n): a cooperative relationship between people or groups who agree to share responsibility for achieving a specific goal

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Are You Stimulated Yet?

Although the U.S. economy is finally showing some encouraging signs, there is still much economic recovery that must occur before the financial prospects for households, businesses and local governments will significantly improve. Whether you currently see the glass as either half-empty or half-full, one potentially strong reason for future optimism is that virtually none of the federal stimulus money related to energy efficiency and conservation projects by state and local governments has yet been spent. For all cities with populations over 35,000 and all counties over 200,000 in population that received formula grant allocations (EECBG) have just begun to implement their projects. The California Energy Commission is responsible for disbursing a separate allocation of formula grant funds for smaller population cities and counties as well as an additional \$110 million in competitive grants from State Energy Plan funds. The Energy Commission issued their competitive grant award decisions last month. A separate \$400 million in nationwide Department of Energy competitive grants, for which a number of California local governments have applied, is due to be awarded within the next several weeks. The combined impact from these investments will be significant.



Craig Perkins, Executive Director of The Energy Coalition

OUR MISSION:

To deliver effective energy efficiency programs that



forge positive relationships,



motivate communities to reduce environmental impacts &



promote sustainable cities.



OUR PARTNERS

The Energy Coalition has reviewed a number of city EECBG applications and the diversity and scope of proposed projects is both impressive and encouraging. Many cities will be retrofitting



streetlights to induction or LED technology, some will be installing solar electric systems, and others will be completing comprehensive assessments and energy efficiency retrofits in city-owned buildings. But, beyond municipal facility projects, many cities are allocating a portion of their grant funds for development of communitywide AB 811 or Mello Roos contract assessment loan programs, energy audits and financial incentives for commercial and residential properties, and for development of comprehensive energy and climate action plans including greenhouse gas inventories. All of these varied projects will not only result in a tremendous reduction in energy usage and greenhouse gas emissions in municipal facilities, but will certainly be a catalyst for much broader community action toward energy efficiency and renewable energy projects in homes and businesses. Oh, and by the way, hundreds of millions of dollars in new expenditures by cities and counties over the next three years will do quite a bit to improve the health of our local economies as well.

We look forward to working with all CEP Partner Cities over the next several months as they utilize their EECBG funds to ensure they are obtaining maximum leverage from other project support funding that may be available through the SCE Energy Leader Incentive, other SCE and SCG incentive and rebate programs, and other non-local funding sources that may be available. Let the spending begin!

## Program Highlights

### 2009 Final Accomplishments

The Community Energy Partnership (CEP) has concluded its successful implementation of the 2009 Bridge Funding period! In 2009, the CEP generated a stream of energy savings through a variety of initiatives that delivered energy efficiency products into homes by continuing elements of the 2006-08 Program design. These initiatives included residential Home Energy Efficiency Tune-Ups, torchiere lamp exchanges, and product distributions of energy efficient technology such as compact fluorescent lightbulbs (CFLs), low-flow showerheads and low-flow faucet aerators at community outreach events. The CEP also participated in community-wide education which took place through attendance at community events, marketing and outreach through community resources, and delivery of *Efficiency First!* presentations and workshops to targeted audiences.



#### Home Energy Efficiency Tune-Up Program

Home Energy Efficiency Tune-Ups targeted both single family and multifamily residences in all seven Partner Cities. The Tune-Ups



## CONFERENCES, TRAININGS & WORKSHOPS

Southern California Edison  
CTAC Seminars  
Check the schedule for locations

Energy Management Systems  
5/11/10  
8:30 AM - 4:00 PM

Demand Response: Gain an Edge  
on Power Costs  
5/25/10  
8:30 AM - 12:30 PM

EnergyPro  
6/30/10  
8:30 AM - 12:00 PM  
1:00 PM - 4:30 PM

Improving Pump Plant Efficiency  
to Lower Energy Cost  
6/2/10  
8:30 AM - 12:00 PM

View the [CTAC full class schedule](#) and register today!

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The Gas Company Energy  
Resource Center Workshops  
9240 Firestone Blvd., Downey

**9th Annual Municipal Green  
Building Conference and Expo  
"Advancing the Vision"**

4/14/2010  
8 AM - 4:30 PM

Each year the USGBC brings together Southland municipal policy makers and implementers, along with leading architects and engineers to further the development of a sustainable and

program provided the direct installation of a variety of energy efficiency and water saving products including light fixtures, CFLs, low-flow faucet aerators and shower heads and hot water heater pipe wrap. Additionally, participants received an energy and safety assessment of their home, recommendations on additional ways that money and energy can be saved via additional retrofits, education about energy efficiency and energy saving behavioral changes, and information about additional SCE and SCG programs.

Tune-Ups were offered to each Partner City via outreach events within their local community on a first-come, first-served basis to homeowners and apartment home tenants. There were several instances where apartment managers and owners made it a priority for all tenants to participate in the home energy efficiency retrofit program.

### Torchiere Lamp Exchange Program

During 2009, the Community Energy Partnership continued the Torchiere Lamp Exchange program through ongoing exchange locations in San Bernardino, Brea and Corona. This program allowed community members in Partner Cities to trade in their old halogen torchiere floor lamp, which burn as hot as 1,000°F and are responsible for hundreds of fires, for energy-efficient fluorescent models at no cost. The torchiere exchanges in both Brea and Corona were even featured on KCAL 9 News!

### CFL and Faucet Aerator Distributions

Community members continue to be thrilled at the opportunity to try out the energy-efficient technologies and are anxious to learn about what additional steps they can do to save energy, money *and* the environment. Throughout 2009, CFLs and Low-flow Faucet Aerator and Showerhead Kits were distributed at various community events, *Efficiency First!* presentations and workshops, PEAK schools and ongoing product distribution sites. *Efficiency First!* presentations and workshops gave the CEP an opportunity to engage a focused audience and promote energy efficiency. These types of educational forums will have a larger focus than large community events during the 2010-2012 Program cycle.

### Municipal Projects

The CEP prepared for the new 2010-2012 Program cycle by emphasizing energy efficiency retrofit projects of municipal facilities. By the end of 2009, three CEP municipal energy efficiency projects were completed in the cities of Santa Monica and Corona and many more are on track to be completed in early 2010. CEP is looking forward to building on this momentum and assisting Partner Cities with their energy efficiency projects. Even in these difficult economic times, cities are finding opportunities in energy efficiency by leveraging Stimulus monies, unbeatable utility and state financing options, and the various incentive opportunities available through their participation in the CEP.

### In Summary

From January through December 2009, the CEP accomplished the following savings across our Partner Cities:

energy-efficient future.  
To register for this event, click [here](#).

**Well & Pump Engineering:  
Gaining Efficiency through  
Technology**  
4/29/2010  
8:30 AM - 4 PM

**EnergyPro**  
Indoor and Outdoor Lighting  
5/26/2010  
1:00 PM - 4:30 PM  
Advanced  
5/27/2010  
1:00 PM - 4:30 PM

View the [ERC full class schedule](#) and register today!

### ENERGY FACT



On average, 30% of the energy used in commercial buildings is wasted. (US Environmental Protection Agency)

### COMMUNITY EVENTS SPRING 2010

4/17/2010  
**Annual Earth & Arbor Day Festival**  
Santa Clarita, CA

4/20/2010  
**Irvine Valley College Earth Day**  
Irvine, CA

4/26/2010  
**Efficiency First! @ Your Business  
Presentation**  
Santa Clarita, CA

5/8/2010  
**Santa Monica Festival**  
Santa Monica, CA

For more information regarding upcoming events in our Partner Cities

- | More than 100% of gross kWh goal, resulting in approximately \$370,800 in annual savings across Partner Cities
- | More than 100% of gross kW goal
- | More than 70% of gross therms goal, resulting in approximately \$8,550 in annual savings across Partner Cities
- | Combined electric and gas energy savings results in approximately \$379,300 saving in utility bills annually or \$1,896,500 over the lifetime of the technologies
- | Avoided over 2,500,000 lbs. of greenhouse gas emissions

We achieved these goals in 2009 through the following initiatives:

- | Staffed or hosted nearly 50 community events, including ongoing Torchiere Exchanges
- | Distributed more than 14,200 compact fluorescent light bulbs
- | Distributed more than 675 low-flow faucet aerators and showerhead kits
- | Exchanged nearly 345 halogen torchieres for new fluorescent models
- | Completed 1,035 Home Energy Efficiency Tune-Ups
- | Completed 3 municipal energy efficiency projects

We are proud to conclude 2009 on such a strong note and we thank everyone for helping us in the transition to a new program design in the 2010-12 cycle. We look forward to continuing our successful collaboration and launching activities in the spirit of *Efficiency First!*

### Goals & Achievements



©2009 Community Energy Partnership  
2009 Bridge Funding Period

### Partner Highlight

or to request CEP staff at an event,  
visit the [CEP website](#)  
or contact [Doris Do](#)

## ANNOUNCEMENTS

### EECBG Update



Click here for information regarding  
the [Competitive bidding process for  
contractors](#)

### Earth Hour

March 27, 2010



People around the world will come  
together to make a statement about  
their concern for climate change by  
doing something quite simple—turning  
off their lights for one hour.

Sponsored by the World Wildlife  
Fund, Earth Hour participation is easy  
- simply flip off your lights on March  
27 at 8:30 p.m. local time.

For more information, visit the [Earth  
Hour website](#).

### 40th Annual Earth Day

April 22, 2010

### Scot Mann, SCE Project Manager



*Scot Mann, Southern  
California Edison Project  
Manager*

Scot Mann has been in the energy  
industry for almost 15 years. He  
has experience in energy  
conservation projects including  
conducting energy surveys,  
technical analyses and project  
implementation for performance  
contracts. Scot has worked in  
projects involving Lighting, HVAC  
and Central Plant Improvements,  
and EMS projects involving  
government and educational  
facilities. he was responsible for  
conducting the on-site  
investigations; identification of  
energy conservation projects, developing pre-monitoring plans,  
calculating energy savings, developing preliminary designs and  
scopes of work and budgets, performing measurement and  
verification of building mechanical/electrical systems and  
providing scheduled reporting to customers on project energy  
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savings.

### Utility Program Spotlight

#### On-Bill Financing

Starting in 2010, both Southern



*0% Interest = 100%  
Awesome*

California Gas Company and Southern California Edison are  
offering 0% interest financing for qualifying energy efficiency  
retrofit projects. This financial tool enables cities to consider  
energy efficiency improvement projects with a bigger scope or  
implement projects sooner than originally planned, since  
payments are made through City utility bills, as energy savings  
are accrued. This means no additional paperwork or cost! Loans  
are capped at \$1 million per meter for local government  
customers for energy efficiency projects that align with SCE and  
SCG's qualification lists which include eligible equipment and a  
maximum of a ten-year payback based on annual energy savings.

Along with local governments, this program will also be available  
to commercial customers with a \$100,000 cap per meter for both  
SCE and SCG.

For cities interested in financing natural gas products, they can



More than 1 billion people participate in Earth Day activities, making it the largest secular civic event in the world.

To find Earth Day activities you can do, visit the [Earth Day Network website](#).

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### Operation Light Exchange

Next Event: March 27 - 28, 2010



[Operation Light Exchange](#) is an energy efficiency program that allows residential customers of Southern California Edison to exchange inefficient halogen and incandescent light fixtures for new, Energy Star labeled lamps.

3/27 - 3/28/10  
8:00 AM - 1:00 PM  
The Mall of Victor Valley  
Parking Lot in front of the former  
Gottschalks  
at the north-side of the Mall  
14400 Bear Valley Road  
Victorville, California 92392

For the full calendar of events, visit the [Operation Light Exchange website](#).

apply now through SCG. The launch date for On-Bill Financing for electric projects is planned for the second quarter of 2010. CEP will alert our Partner Cities as soon as SCE makes an announcement.

Please be aware that this program is provided to eligible customers on a first-come, first-served basis until the program funds are no longer available. Since there is a limited pool of \$12 million across all local governments in SCE territory, we encourage you to identify projects and apply as soon as possible!

In order to apply, please follow these steps:

**Step 1:** Contact your utility account representative **BEFORE** you start your project.

**Step 2:** Submit your On-Bill Financing agreement in conjunction with your other utility rebate and incentive applications.

**Step 3:** Complete work.

**Step 4:** A payment check for the total project cost minus utility incentives is sent to either the contractor performing the work OR the City. It's your choice.

**Step 5:** A separate incentive check is sent to the City.

**Step 6:** The 0% interest loan is paid back through equal monthly payments and is included as a line item on your utility bill. There are no separate checks to cut!

To learn more, visit the [SCE](#) and [SCG](#) websites.

### Technology Spotlight

#### Streetlights: LED vs. Induction



Retrofitting streetlights from high pressure sodium (HPS) to more efficient technology affords an immediate benefit to local governments that own and operate their own metered street lighting. Many CEP Partner Cities are taking advantage of stimulus funding to switch to newer streetlighting technology, such as induction fluorescent (IF) or light-emitting diodes (LED). Both of these technologies offer benefits that leverage Southern California Edison's

(SCE's) rate schedules for streetlighting in different ways. Regardless of which technology you choose, please look for products that have an ENERGY STAR® rating, or ask for LM-79 test results or the Lighting Facts Label to assure that the product has been tested by a third party evaluator.

#### [Streetlight Technology Comparison](#)

The chart below compares the traditional high-pressure sodium lighting with the more efficiency technologies:

Technology	LED	IF	HPS
<b>Rated Life (hours)</b>	50,000	100,000	30,000
<b>Annual Hours of Operation</b>	4,380	4,380	4,380
<b>Average Warranty</b>	8 years	10 years	
<b>Color Rendition Index (CRI)</b>	75/100	85/100	22/100
<b>Wattage per Fixture</b>	150 W	165 W	290 W
<b>Energy Savings</b>	Approx 50%	Approx 40%	
<b>Simple Payback</b>	7 – 9 years	2 – 6 years	

Source: SDG&E's Emerging Technologies Program [www.etc.ca.com](http://www.etc.ca.com)

Whether you are switching to LED or Induction, you can be assured of the following additional benefits beyond energy savings:

- | Safety - Bulbs that use less energy run longer on battery packs during unforeseen power outages
- | Enhanced color recognition at night
- | Decrease in maintenance costs with longer life
- | Reduce waste from disposal of shorter-life lamps

For more information on LED streetlight technology, please visit:

- | [Lighting Facts Label](#)
- | [Energy Star Buildings Lighting](#)
- | Department of Energy's [Technology Demonstration GATEWAY program](#)
- | Department of Energy's [Municipal Solid-State Street Lighting Consortium](#)

If any of our Partner Cities are interested in participating in these DOE programs that support advancements in solid state lighting, please contact [Laurel Faulkner](#) for more information on how we can support your participation in the programs.

#### SCE Streetlight Rate Schedules

SCE owns and operates approximately 80% of all street lights throughout their territory. In order to determine appropriate rates for streetlight retrofits, SCE is currently in the process of conducting technical assessments in four cities on the performance of LED technologies, and recently submitted an Advice letter to the Public Utilities Commission to include LED and induction technology in their LS-2 rate schedule. This will allow for cities to collect energy savings on city-owned streetlights that are unmetered.

Below is a summary of SCE's three streetlighting rates. Your SCE Account Representative can provide you with a breakdown of how many accounts your City has of each rate.

Rate	Description	Notes about Retrofits
LS-1	SCE owns and operates, customer pays energy charge	SCE is developing a new LS-1 tariff for LED lamp retrofits. City will need to cover changeout expenses if they choose to convert to LED once the tariff is in place. No LS-1 tariff is being planned for induction lights.
LS-2	Customer owns and operates, lights are unmetered	New tariff allows customer to retrofit to Induction or LED and be charged at a lower rate.
LS-3	Customer owns and operates, lights are metered	Customer can retrofit lamps to LED or Induction at anytime and realize immediate savings.

**Financial Incentives**

Regardless of which technology you use, cities can leverage their EECBG project dollars with additional funding through utility incentives! SCE offers a calculated incentive for qualified retrofit projects through their Customized Solutions program (formerly known as Standard Performance Contract), which offers \$0.05 per kWh saved annually. And as a CEP Partner City, you are eligible to add your SCE enhanced incentive on top of that! To be eligible for both incentives, please contact your SCE Account Representative to conduct a pre-inspection before any work is preformed. This step is crucial in determining baseline energy usage which is used in calculating the project's total energy savings, which determines the rebate amounts.

Additional incentives are available to local governments that are interested in changing from a series circuit to multiple. For more information on these incentives visit the [SCE website](#). Please contact [Laurel Faulkner](#) with questions or comments about street lighting retrofits.

**Staff Transitions**

At the end of January, Stephen Kozowyk, CEP Project Coordinator, departed The Energy Coalition to continue a professional path in pursuit of his passion for photography. He has been an integral part of the CEP Team for five years and served as the lead coordinator of the successful CEP Tune-Up initiative. We thank Stephen for his dedicated efforts in



bringing energy efficiency to all of our Partner Cities, and wish him the best of luck with his future endeavors!

*Stephen Kozowyk*

## Contact Us

Your feedback is important to us. Please contact the CEP team with any questions or comments:

### Scot Mann

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### Paulo Morais

The Gas Company, Energy Programs Supervisor  
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### Angela Davison

The Energy Coalition, Director of Programs  
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### Laurel Faulkner

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### Doris Do

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## Visit our website:

[www.communityenergypartnership.org](http://www.communityenergypartnership.org)

*This Program is funded by California utility customers and administered by Southern California Gas Company and Southern California Edison under the auspices of the California Public Utilities Commission.*

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