



*Efficiency First!*

## Workshop



September 12, 2009  
10:00am to 12:00pm



# Solar Santa Monica

Solar Santa Monica



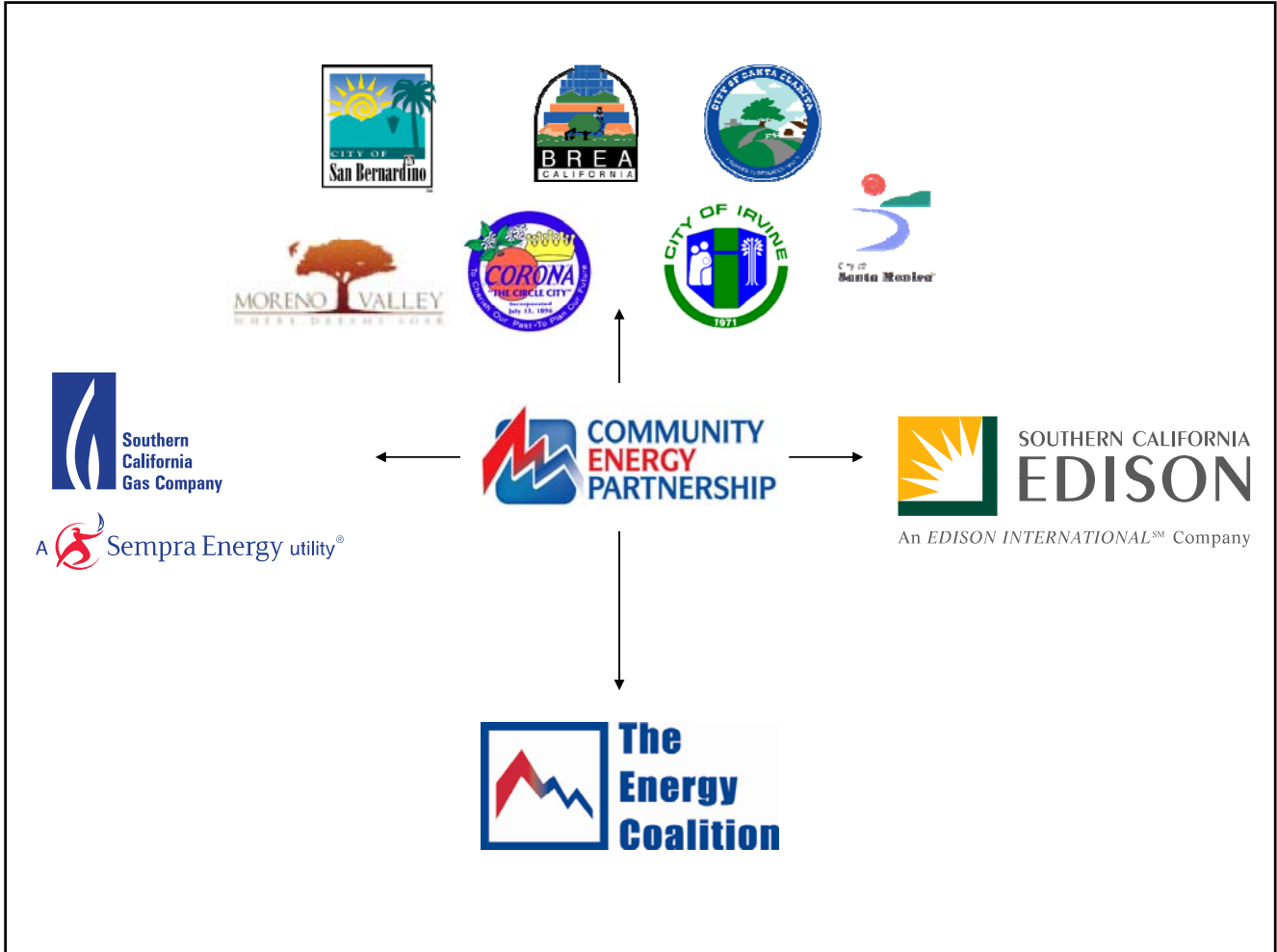


*Efficiency First!* @ Home

## Presentation

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Project Manager, The Energy Coalition



## What we do and why...

*Efficiency First!*

### Energy Efficiency Education

- Save Resources
  - Electricity
  - Gas
  - Water
- Reduce Utility Bills
- Increase Comfort & Safety



## How we promote Efficiency First!

Smart Energy Management Education

Distribution of Energy Efficient Products

Promotion of Utility & City Programs

Residential Direct Installation

Municipal Energy Efficiency Actions



## Santa Monica Community Activities 2006-2008

- Community Events = 12
  - # of CFLs = 10,872
  - # of faucet aerators = 3,195
  - # of torchieres exchanged = 288
- Tune-Ups = 220
- Total annual savings
  - kWh savings = 183,752
  - therms savings = 1,698



# What does this save the community?

 **118,657** annual energy savings

The GHG Emissions saved through these technologies is equivalent to:



•The energy use of over **36** homes annually

OR



•Removing over **73** cars off of the road



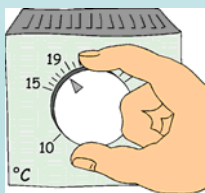
# What is Energy Efficiency?

**Energy Efficiency** = Using technologies to reduce overall energy consumption



**VS.**

**Energy Conservation** = modification of consumption patterns to reduce overall energy consumption



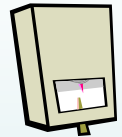
## Steps to saving energy, money & the environment

- Home Energy Efficiency Assessment
- No cost/low cost modifications
- Energy Efficient Retrofits (when appropriate)
- Education to household
- Ongoing behavior
- Self Generation



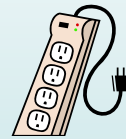
## Do It Yourself Tips!

- Set your thermostat to 78-80°F on hot days and to 69°F on cold days.
- Keep rooms cool by closing window shades and using fans.
- Replace incandescent light bulbs with compact fluorescent light bulbs (CFLs).
- Install low-flow products



## Additional tips

- Turn your water heater down to 120°.
- Use major appliances before 12pm and after 6pm.
- Unplug unnecessary electrical appliances or plug into power strip.
- Buy ENERGY STAR products when replacing older ones.
- Keep the freezer full to keep neighboring food frozen. A bag of ice can help.

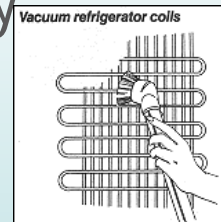


## Maintenance tips

- Regular maintenance of your most expensive appliances lengthens their life and keeps them running efficiently

- CLEAN

- Refrigerator coils once/year



- REPLACE

- HVAC filter every three months





## Myths

1. You should install solar PV as a **first** step
2. All insulation is equal
3. Double paned windows are **always** beneficial
4. You **need** a tankless water heater
5. Zeroing your electric bill means you're using no **energy**



## What will you receive tonight?

**Great stuff to jump start your energy savings!**

- Reusable Bag
- Caulk
- Two 23 Watt CFLs
- Two Low-flow faucet aerators
- One Low-flow showerhead
- Energy saving program information



## Home Energy Efficiency Tune-Ups

- A one-stop energy efficiency retrofit and educational service to help you save energy and money on your utility bills.  
*Available through October 31<sup>st</sup>.*
- Available to Santa Monica residents only
- Up to \$250 in direct services
- Must be above low-income threshold



# STEP BY STEP TUNE-UP PROCESS

## Step 1. Assessment



Licensed independent contractors make an appointment to come to your home and assess your potential energy savings.

## Step 2. Tune-Up



Contractors install energy saving products, such as low-flow showerheads, fluorescent light bulbs, weather stripping, and more.

## Step 3. Identify further savings



Contractors recommend additional energy saving improvements you can make to your home and refer you to other energy- and money-saving utility programs.





## Utility Customer Programs

- There are several programs available to you as a Southern California Edison (SCE) & Southern California Gas Company customer.
- All programs must be applied to individually.
- You pay for them so you should take advantage of them!



# Income Qualified Programs

Maximum Household Income		
# of Persons in Household	CARE, EMA, DAP	FERA
1 – 2	up to \$30,500	Not Eligible
3	up to \$35,800	\$35,801 - \$44,800
4	up to \$43,200	\$43,201 - \$54,000
5	up to \$50,600	\$50,601 - \$63,200
6	up to \$58,000	\$58,001 - \$72,400
each additional person	\$7,400	\$7,400 – \$9,200

*These income limits are effective from June 1, 2009 to May 31, 2010*



## You can qualify if you receive:

- Medicaid/Medi-Cal – Under 65
- Medicaid/Medi-Cal – **65 or older**
- Healthy Families A & B
- Women, Infants, and Children Program (WIC)
- Temporary Assistance for Needy Families (TANF) or Tribal TANF
- Food Stamps/SNAP
- Low Income Home Energy Assistance Program (LIHEAP)
- Supplemental Security Income (SSI)
- National School Lunch's FREE Lunch Program (NSL)
- Bureau of Indian Affairs General Assistance (**BIA GA**)
- Head Start Income Eligible - **Tribal Only**



## The Gas Company Income Qualified Programs

- California Alternative Rates for Energy (CARE)
- Direct Assistance Program (DAP)
- Gas Assistance Fund (GAF)
- Medical Baseline Allowance
- Third Party Notification



## **SCE Income-Qualified Programs**

- **California Alternative Rates for Energy (CARE)**
- **Family Electric Rate Assistance (FERA)**
- **Energy Management Assistance Program (EMA)**
- **Energy Assistance Fund**
- **Medical Baseline Allocation**



# SCE Residential Programs available to all customers

- Home Energy Efficiency Rebates
  - ➔ Refrigerator
  - ➔ Whole House Fan
  - ➔ Pool Pump
  - ➔ Air Conditioning Units
- Refrigerator and Freezer Recycling
- A/C Tune-Up
- Online Energy Survey



## Southern California Gas Company Programs for all Customers

- **Instant Rebates on qualified:**
  - Clothes washers
  - Dish washers
  - Natural Gas Water Heater
- Mail-in Cash rebates
- Tankless Water Heater Rebate Program
- Home Energy & Water Efficiency Survey



## Federal Tax Credits for Energy Efficiency

- Home Energy Efficiency Improvement Tax Credits
  - tax credit for 30% of the cost
  - up to **\$1,500**
  - 2009 through 2010
  - See [EnergyStar.gov](http://EnergyStar.gov) for a complete summary
- 30% Tax Credits are also available for renewable installations (i.e. Solar Panels)



# Steps to saving energy, money & the environment

- ✓ **Home Energy Efficiency Assessment**
  - Tune-Up
  - Online Survey
- ✓ **No cost/low cost modifications**
  - Install products from today
  - Torchiere exchange
  - behavior
- ✓ **Energy Efficient Retrofits**
  - Rebates
  - Incentives
  - Tax Credits
- ✓ **Education to household**
  - Energy Star
  - Sustainable Works
- ✓ **Ongoing behavior**
- ✓ **Self Generation**
  - Solar Santa Monica



## For Additional Training & Education



- Customer Technology Application Center (CTAC) [www.sce.com/ctac](http://www.sce.com/ctac)
- Energy Resource Center (ERC) [www.socalgas.com/business/resourceCenter/ercOverview.html](http://www.socalgas.com/business/resourceCenter/ercOverview.html)
- Sustainable Works: [www.sustainableworks.org](http://www.sustainableworks.org)



## Websites



- SCE Programs [www.sce.com](http://www.sce.com)
- The Gas Company Programs [www.socalgas.com](http://www.socalgas.com)
- Solar Santa Monica [www.solarsantamonica.com](http://www.solarsantamonica.com)
- Office of Sustainability and the Environment  
[www.smgov.net/departments/ose/](http://www.smgov.net/departments/ose/)
- Community Enhancement Services  
[www.cesinla.com](http://www.cesinla.com)
- Energy Star  
[www.energystar.gov](http://www.energystar.gov)



# QUESTIONS & ANSWERS

Any questions



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# Weatherization Demonstration

- Caulking
- Weatherstripping

