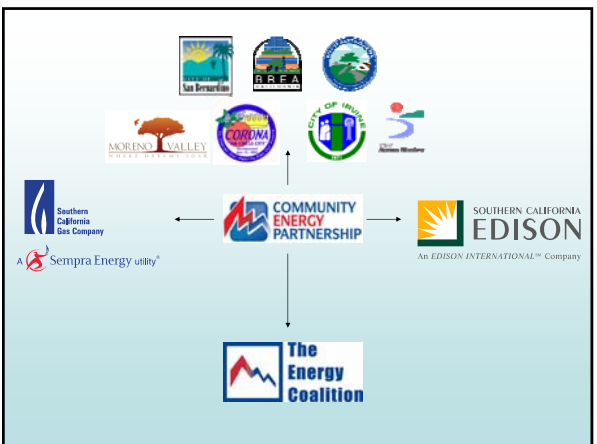




Benchmarking with ENERGY STAR Portfolio Manager

May 11, 2009



CEP Program Overview

- Provide Energy Efficiency Services and Education to Partner Cities
- Help to Save Resources and reduce utility bills
 - ➔ Electricity
 - ➔ Gas
 - ➔ Water
- Funded through California ratepayers through the California Public Utilities Commission



Program Goals & Elements

- Energy Saving Goals ('09-'11)
 - ➔ 10,000,000 kWh
 - ➔ 200,000 therms
- Core program elements
 1. Municipal Facilities
 2. Community Outreach/Promotion of utility core programs
 3. Strategic Plan activities



CEP assistance with Municipal Facilities

Identify Retrofit Projects

- ➔ Prioritize projects through *benchmarking* with Energy Star Portfolio Manager
- ➔ Work with utility Account Managers and CEP staff to audit facilities



Incentives

- ➔ EECBG funds and other ARRA monies
- ➔ Core utility programs (Express Efficiency, On-bill financing)
- ➔ Enhanced incentives will be available to CEP cities through SCE during the Bridge Period
- ➔ Work with CEP staff and SCE Account Manager to determine tier level



Why Benchmarking?

- Benchmarking is the process of documenting a building's energy use over time.
- Public facilities suffer from a lack of investment and often waste up to 30% of their energy consumption.
- Most Facility Managers have no reference point other than their own historical data.
- Commercial Building Energy Consumption Survey (CBECS) which is updated every four years.
- Regulation (AB 1103, AB 32, etc...)



CEP's Benchmarking Project

- Demonstration Project from '06-'08
→ "What isn't measured, isn't managed."
- CEP will compare buildings of similar use across our partner cities
- Partnering with EPA to use ENERGY STAR Portfolio Manager (ESPM)



Why ENERGY STAR Portfolio Manager?



- It's free!
- Tracks all forms of energy usage and water consumption for all city facilities
- Proven track record
 - State of California
 - San Diego School District
 - City of Los Angeles
- Utilities are offering Automated Benchmarking to CEP cities
- Energy Star® Label
- LEED for Existing Buildings: Operations & Maintenance
- AB 32 Carbon Tracking



What building types will receive the 1-100 Performance Rating?

- Bank/Financial Institutions
- Courthouses
- Hospitals (acute care and children's)
- Hotels
- K-12 Schools
- Medical Offices
- **Municipal Wastewater Treatment Plants**
- **Offices**
- Residence Halls/Dormitories
- Retail Stores
- Supermarkets
- **Warehouses** (refrigerated and non-refrigerated)



What will CEP track?

Compare across cities:

- City Hall
- Police Stations
- Fire Stations
- Libraries
- Community Centers
- Auditoriums



Who will be viewing the data

- By sharing your facility data with the Community Energy Partnership master account, you will be granting the program access to compare a building's energy performance across cities.
- A unique city specific report will be created for each city.
- Privacy of city specific data will be assured!



Contacts for Project

Laurel Faulkner

The Energy Coalition
Project Manager – Community Energy Partnership
lfaulkner@energycoalition.org

Stuart Cooley

Energy Efficiency Engineer, City of Santa Monica
Team Leader – Community Energy Partnership
(310) 458-2238
Stuart.cooley@smgov.net

