



SENT TO COUNCIL:

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by City Manager's Office
Memorandum

TO: HONORABLE MAYOR
AND CITY COUNCIL

FROM: John Stufflebean

SUBJECT: Transportation and Environment
Committee—Verbal Energy Update

DATE: 10-06-10

Approved

Date

10/6/10

INFORMATION

The Environmental Services Department provides a verbal update on energy activities at each Council Transportation and Environment Committee. The attached document provides a written overview of what was presented at the October 4, 2010 Committee meeting and an overview of upcoming energy workshops coordinated by the Environmental Services Department.

/s/

JOHN STUFFLEBEAN
Director, Environmental Services

For questions please contact Mary Tucker, Energy Program Manager at (408) 975-2581.

Attachment
Transportation and Environment Committee
October 4, 2010 PG&E ENERGY REPORT (VERBAL)

HIGHLIGHT—AIRPORT

1. LEED Silver
2. Solar
 - 1.12 MW of solar on ConRac Parking Garage and Car Rental Facility at the Airport is expected to provide enough power to offset at least 20 percent of the facility's total electrical power needs
3. LED Lighting Installations
 - Terminal A Baggage Make-up Area – 21 LED fixtures
 - Terminal A Garage, First Floor – 248 LED Fixtures
 - Estimated 56% savings in Energy Use
4. Future LED installations at Airport Parking Lots/FY10-11
 - South of ConRac Parking Garage – 103 LED fixtures
 - Terminal B Lot – 13 LED Fixtures
 - Green Island Lot – 138 Fixtures



MUNICIPAL RENEWABLE PROGRAM

1. Partnership Demonstration Project
 - Armageddon Energy—Solar Clover
 - Clean Tech Open Winner
 - Pilot Project on City Hall—Wing Roof
 - Beta Field Testing, Remote Monitoring, Modular System Installation
2. Central Service Yard
 - Installation of 1.1 MW solar system underway
 - Projected project completion is December 2010 for commissioning



COMMUNITY ENERGY EFFICIENCY/SOLAR PROJECTS

1. DOE/CA Better Building (formerly Retrofit RampUp) Program—Dorsa TOCKNA
 - Agreement for grant program approved by Council 9/14
 - Working with SJSU Urban Planning students for neighborhood assessment and workforce assessment
 - Community meeting scheduled for 10/4/10
 - Ramping up staffing

**Attachment
Transportation and Environment Committee
October 4, 2010 PG&E ENERGY REPORT (VERBAL)**

2. Community Solar Project/Solar America City
Green Vision Clean Energy Demonstration Center
 - 16 spaces available – currently working with 13 companies for demonstrations; on site lease agreements should be in place by mid October. Open until December 2011
 - Working for opening/ribbon cutting event on either Oct 28th or 29th

INTERNATIONAL RECOGNITION

International Solar Cities Congress—San Jose recognized and invited to participate as only U.S. city representative at international conference in Dezhou, China. Mary Tucker represented city’s Sustainable Energy and Solar Programs at conference attended by more than 3,000 international participants.

UPCOMING CLASSES/WORKSHOPS

Silicon Valley Energy Watch Classes in San José
Winter/Spring 2010 (Shaded classes appropriate for homeowners)

Day	TIME	CLASS	LOC.	Partner
Tues Oct 5	9:00-4:30	Low Energy HVAC Approaches for Nonresidential Building Renovation and Retrofit (Peter Rumsey)	PTTC	PEC
Fri Oct 15	9:00-12:00	HVAC for Home Performance Contractors (Judy Roberson)	PTTC	ETC
Tues Oct 19	9:00-3:00	SketchUp as a Sun and Shade Analysis Tool (Stet Sanborn)	IBEW	
Tues Oct 26	9:00-5:00	HVAC System Airflow and Static Pressure Diagnostics	PTTC	ETC
Tue-Fri Nov 2-5	8:30-5:00	Green Home Retrofitting & Remodeling & GreenPoint Rater Existing Home – in partnership with Build It Green	IBEW	BIG
Tues Nov 2	9:00-3:00	Title 24 HVAC System Change-Outs: Duct Testing Requirements for Residential & Small Business	PTTC	ETC
Wed Nov 3	9:00-4:30	Energy-Wise Renovation of Foreclosed Homes	PTTC	ETC
Thurs-Fri Nov 4-5	8:00-5:00	GreenPoint Rated: Existing Home Advisor & Rater	IBEW	BIG
Fri Nov 19	9:00-4:30	Integrating Energy Efficiency & Renewables in Home Retrofits	PTTC	PEC
Sat Nov 20	9:30-4:30	Solar Water Heating Systems (Pete Shoemaker)	MLK	PEC
Wed Dec 8	9:00-5:00	Overview of ACCA Quality Installation Standards	PTTC	ETC

Build It Green (BIG) Class: <http://www.builditgreen.org/en/cev/lists/>
 Pacific Energy Center (PEC & ETC) www.pge.com/energyclasses
 IBEW: International Brotherhood of Electrical Workers Local 332 - 2125 Canoas Garden Ave, 95125
 PTTC: Pipe Trades Training Center - 780 Commercial St., San Jose 95112