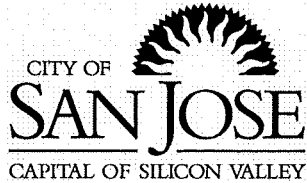


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# Memorandum

**TO:** HONORABLE MAYOR  
AND CITY COUNCIL

**FROM:** John Stufflebean

**SUBJECT:** Transportation and Environment  
Committee—Verbal Energy Update

**DATE:** 04-07-10

Approved

Date

4-8-10

## INFORMATION

The Environmental Services Department provides a verbal update on energy activities at each Council Transportation and Environment Committee. The attached documents provide a written overview of what was presented at the April 5, 2010 Committee meetings.

JOHN STUFFLEBEAN  
Director, Environmental Services

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

**Transportation and Environment Committee  
APRIL 5, 2010 ENERGY REPORT (VERBAL)**

**DOT Streetlights Workshops and Reports**

- DOT held streetlight demonstrations on March 3 & 4 related to Green Vision goal 9. The event drew more than 140 residents.
- Two technical briefings attended by Vice Mayor Chirco, Councilmember Kalra, and representatives from the offices of Councilmember Herrera, Representatives Honda and Lofgren, and Assembly member Beall.
- Demonstration included six different types of lights. Participants filled out short survey and participated in visual detection tests.
- Data and its implications to be presented at community meeting on April 7.

**City Energy Efficiency and Renewable Energy Activities--2010**

- \$190K in rebates received by the City of San Jose since January
- Anticipated \$18K in annual energy cost savings due to completed projects
- 6 energy audits completed

**Solar Hot Water Assessment to be Conducted on 5-8 Municipal Fire Stations**

- Determination of priority sites after initial assessment of 26 fire stations
- Collaborative project with San Jose State University—Mechanical and Aerospace Engineering Department/Students

**Classes/Workshops for the Community (Basic Solar, Financing Options, Resources)**

Thurs, April 8, 6:30pm-7:30pm	Roosevelt Park Neighborhood Association	District 3
Tues April 13, 10:00 a.m.-2:00 pm	Intel Earth Day Event	Company Focused
Sat, April 17, 10:00 am-3:00 pm	Tech Museum Earth Day Event	Community Wide
Sat, April 24, 10:30 am-2:30 pm	Willow Glen Earth Day Event	Community Wide
Wed, May 5, 6:00 pm – 7:00 pm	Hamann Park Neighborhood Association	District 6
Tues, May 11, 6:00 pm – 7:00 pm	Hyde Park Neighborhood Association	District 3
Sat, May 15, 10:00 am – 3:00 pm	San Jose Via Velo-Event	Community Wide
Tues, May 18, 6:00 pm – 7:00 pm	Southcliff Homeowners Association	District 10

**Energy Efficiency Presentations for Trades\***

Mon, April 5 9:00 am – 4:00 pm	Water Heaters: Past, Present, and Future
Mon, Apr 12 9:00 am – 5:00 pm	Home Performance, Putting It All Together – FULL
Wed, Apr 14 9:00 am - 4:30 pm	Air Sealing and Insulating Existing Homes
Tue, Apr 27 8:30 am - 4:30 pm	Energy Audit Skills: Tools, Data Collection Techniques, and Calculations
Wed, Apr 28 8 am - 9:30 am	California Advanced Homes Program - Building Toward Zero Net Energy in Residential New Construction
Mon, May 17, All Day event	Solar Hot Water Training, cosponsored by Interstate Renewable Energy Council

# Transportation and Environment Committee APRIL 5, 2010 ENERGY REPORT (VERBAL)

\* All presentations to be held at PTTC (San José Pipe Trades Training Center): 780 Commercial Street, San José, 95112

## Silicon Valley Energy Map

- Partnership between CSJ & PG&E providing Energy Efficiency outreach, education, and service coordination to all of Santa Clara County
- Anticipated Roll-out: Earth Day Week: April 19-23, 2010

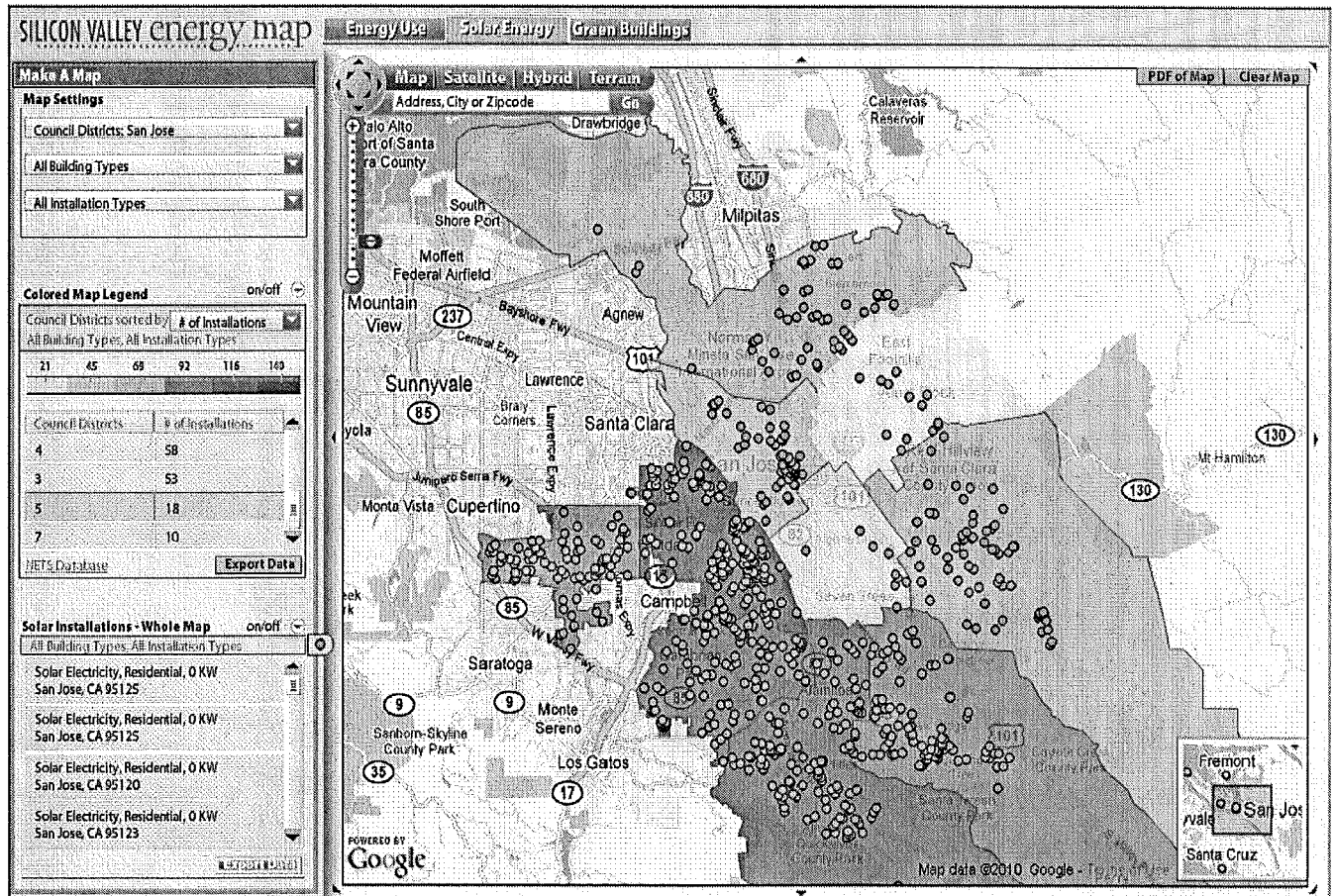
## Map Covers 3 Areas of Clean Energy

- Energy Use (Tracking Green Vision Goal 2)
- Solar / Renewable Energy (Green Vision Goal 3)
- Green Building (Green Vision Goal 4)

## Additional Map Elements:

- Resources List (tips on energy conservation, available rebates and incentives)
- "How to use this Map" with flash animation

Attachment: Target Audiences and Use Cases





**The Silicon Valley Energy Map**

**Overview**

The Silicon Valley Energy Map is a free online mapping system that will be used for education, outreach and inspiration regarding energy use, solar and renewable energy, green building, and energy resources in Silicon Valley. Energy information is displayed at multiple geographic levels. The Silicon Valley Energy Map is paid for by the Silicon Valley Energy Watch, a partnership between the City of San José and PG&E providing county-wide energy efficiency outreach, education, and service coordination.

**Public launch date: Earth Week (April 19-23), 2010**

**Target Audiences and Use Cases**

<b>Target Audience</b>	<b>Use Case</b>
<b>Public</b> <i>Education,            Awareness, &amp;            Inspiration            Outreach tool for            community events.            It's happening all            over!            Rebates and            Resources</i>	How much green building is going on in my zip code? Neighborhood? County? District?  Who is installing solar PV and thermal in my city or Business District?  What rebates or tax incentives are available for energy efficiency and solar?  Where can I get more information about energy efficiency, solar, and green building?  What assistance is available for low income households?  How can I participate in the Green Vision by teaching my community about energy issues?
<b>Businesses</b> <i>Education            Marketing</i>	Which businesses are investing in green building and solar installations?  Which other businesses have installed Solar PV or thermal?  How can the public become aware that my business is promoting sustainable practices?
<b>Local Government</b> <i>Planning for            community outreach            Tracking progress            toward sustainable            energy</i>	How many solar installations do we have? How much installed capacity (kW)?  How many installations are residential vs. commercial?  How are these numbers growing over time (per quarter/year)?  What is happening in our neighborhood compared to other Silicon Valley areas?  What is the region's overall renewable energy generation capacity?
<b>Federal and State Government</b> <i>Awareness and            Visibility</i>	How much progress is the Silicon Valley making in terms of Green Building, Energy Efficiency and Solar?  How can we use Silicon Valley as a model to easily show energy use or solar installations in a zip code and highlight community energy case studies?