

**Minutes:
Sustainable Silicon Valley General Meeting
Friday, July 14, 2006
9:00 am – 10:30 am
Hyperion**

Attending:

Greg Chambers	Sterling Planet	Kathleen Livelli	City of Palo Alto
Nayeem Sheikh	Cisco	Julie Benabente	City of Sunnyvale
Leah Schnoor	Hyperion	Mark Lacy	ISSI/NASA Ames
Doug Bartl	Hyperion	Robert Cormia	Foothill College
Phyllis Davidson	Hyperion	Melinda Hamilton	City of Sunnyvale
Christina Foug	County of Santa Clara	Ben Mehta	Quest
Paul Garcia	County of Santa Clara	John Brosnan	SCV Water Dist
David Kaneda	Integrated Design Associates	Jennifer Smith Grubb	SSV
Salah Zeid	Wattstopper/Legrand	Jeff Dickard	SSV
Paul McGrath	RideSpring	Diana Foss	SSV
Rebecca Anderson	PARC	Sally Tomlinson	SSV

Welcome to newest partner: Foothill DeAnza Community College District

Congratulations to Flex Your Power Winners Adobe (Best Overall) Hewlett Packard and Lockheed Martin (Demand Response winners) and honorable mention recipients NASA Ames, Santa Clara Valley Water District, Foothill-DeAnza Community College District, Oracle, Stanford University, and Calpine.

Good luck to RideSpring, a finalist in the California Clean Tech Open.

PG&E Partnership Program – Michael Lechner, APS Energy Services

SSV Partners & SVLG members are eligible for grants for energy efficiency projects. Some companies can pull together applications, some need help. Power plants aren't being built; need to use energy efficiency to ensure power supplies. Public goods funds paid by energy customers, used for efficiency projects. Total statewide pot is \$3 billion, which is the equivalent of 3 500 MW power plants. But companies are reluctant to invest in efficiency without quick payback. Program will pay up to 80% of project cost.

How aware are SSV/SVLG members of this program? Our program has \$6 million. APS Energy Systems will identify viable projects for members. APS doing this for profit and will identify and package project applications for free as long as company uses APS for the efficiency work. PG&E and SVLG still haven't signed contract.

Michael.lechner@apses.com

NOTE, there is a new Request for Solicitation posted on the SSV website: there are revisions to filing dates and some clarification on incentives.

Partner Reporting

Phyllis Davidson – Hyperion

- Drive Clean program offers employees \$5000 towards purchase of fuel-efficient car. Have 5% uptake of program (120 out of 2600 employees worldwide): feels low, but how many people are in the market for a new car at any given time? Program has bigger appeal in California because of HOV sticker. The Drive Clean program serves as major recruiting tool, gets Hyperion in local press, good PR. A couple of people have asked that the offer be applied to a bike, but company applies it only to cars.
- They also have public transit funds.

Nayeem Sheik - Cisco.

CO2 is part of their Social Responsibility.

- Energy efficiency (VFD on fans and pumps, lighting, etc). They have used Rumsey Engineers and Quest for some of their efficiency projects. Cisco has been using the conversion of 1 kWh saved = .8 lbs CO2. (**NOTE: SSV uses a different conversion factor. See below for 2005 PG&E data supporting a conversion of 0.52 pounds carbon dioxide /kwh.**)
- Buying green power from SVP.
- Trip reduction. Telecommuting. (20% of employees 1 day a week.)
- Asking employees to save energy at home.
- Now number 8 of top 100 companies for CSR. LEED certification for existing building.

Mark Lacy – ISSI/NASA Ames

Energy efficiency savings not seen yet because still paying off contractors.

Sometimes goals to use renewable energy don't work out. NASA is installing a backup power system for the supercomputer center. There are 3 massive diesel generators that themselves use \$100,000 per year worth of electricity in standby mode. But there was no good renewable technology to use in this application.

Rebecca Anderson – PARC

- Installed separate chillers for 3 server rooms: gives more flexibility and they save energy on weekends with modulating chillers, variable speed drives.
- Use hot water to heat up incoming water.
- Formed Green Team Committee that is driven by employees – have a good group that is promoting recycling, educating employees about alternative transportation, holding education events.

Paul Garcia – County of Santa Clara

County just got a fund of \$1 million that can only be used for energy efficiency projects, but decisions have not yet been made as to where the money will go. They will start allocating funds in August.

Robert Cormia – Foothill-DeAnze Community College District

- Decreased electricity and gas by 40% since 1996 mainly with building management (e.g., not heating or cooling empty rooms).
- Co-gen is producing 25% of their electricity
- Measure C provides fund for solar and other energy projects
- Block scheduling and online teaching leads to 20% fewer car trips.

PG&E's Power Content Label for 2005

Eligible Renewables: 12%

 Biomass and Waste : 5%

 Geothermal: 2%

 Small Hydro: 4%

 Solar: 0%

 Wind: 1%

Coal: 1%

Large Hydroelectric: 20%

Natural Gas: 42%

Nuclear: 24%

Other: 1%

The label represents all of the resources used to meet customer demand (i.e., owned and procured). The label is online at the CEC. See <http://www.energy.ca.gov/consumer> or call the CEC at 1-800-555-7794 if you need to verify these statistics. This mix for 2005 means that the average emission rate associated with electricity delivered by PG&E is 0.52 lbs per kwh. (Communication from Greg San Martin, PG&E.)