

## **Data center's efficient design will mean nearly 5 million kWh of electric savings!**

The City of Palo Alto Utilities (CPAU) has delivered a rebate check to HP (Hewlett Packard) for nearly half a million dollars (\$495,970) for designing and building a large, state-of-the-art data center that is cooled almost entirely with fresh air. (And for those days when the outside air is too warm to do the cooling job, HP also installed a very efficient cooling system.) Palo Alto Mayor Yiaway Yeh was on hand to help present the check during a regular meeting CPAU holds for large commercial facilities managers.

(See photo attached---l to r: Tim Huang, Enovity; John Vogler, HP; Ken Cooper, Cooper Preuit Engineers, Yiaway Yeh, Mayor of Palo Alto; Joyce Kinnear and Bruce Lesch, CPAU )

HP staff, with the assistance of Cooper Preuit Engineers Inc. and Enovity Inc., came up with a design that will save HP nearly 5 million kwh per year, an amount equivalent to the electricity used by 640 homes!

The new HP data center, when it becomes fully loaded, could increase the total City electrical load by approximately 12%. Therefore, the City of Palo Alto is very glad that HP has chosen to make this data center as efficient as possible. All Palo Altans can be proud to have HP as a member of our sustainable community.

The City of Palo Alto and CPAU have a very long history of encouraging energy and water efficiency and climate protection. To help customers increase their efficiency and become more sustainable, CPAU has implemented a number of energy and water programs over the years. HP has been very active in CPAU's programs. Since June 2010, HP has submitted 10 rebate applications and has received over \$700,000 in rebates from CPAU. However, this current incentive check is by far the largest rebate given to the company.

Other energy-saving projects implemented by HP include:

- installing clear vinyl curtains from the ceiling to contain heat exiting from data server racks.
- oversizing air intakes and relief louvers to bring in outside air to cool labs without using supplemental fans
- increasing chiller efficiency by using models with variable speed drives

Enovity, Inc. is a San Francisco-based engineering firm, that manages the commercial/industrial rebate programs under contract with CPAU.

FOR MEDIA ONLY---If you have questions or want more details about HP's latest rebated project in particular or CPAU commercial/industrial programs in general, contact Bruce Lesch, CPAU Key Accounts Representative at 650-329-2244.

