

>>> "Kinnear, Joyce" <Joyce.Kinnear@CityofPaloAlto.org> 6/9/2009 10:40 AM >>>

Thank you for your presentation this morning Kae. I appreciated it. I did not, however, that the appendices inaccurately presented the City of Palo Alto's efficiency programs. I have a list below, with a link to our website report given, as well. If you could update this on Appendix 3 and 4 before submitting the final report, I would be most appreciative.

<http://www.cityofpaloalto.org/civica/filebank/blobdload.asp?BlobID=14820>

Appendix A: Demand Side Program Descriptions

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Commodity

Program

Program Admin.

Description

Changes During the Year

RESIDENTIAL DSM PROGRAMS at City of Palo Alto Utilities

Electric

ENERGY STAR(r) Refrigerator Rebate

UMS Staff

Rebate customers \$100 for purchasing and installing efficient refrigerators

Continued marketing and information to customers.

Water, Gas, and some Electric

ENERGY STAR(r) Dishwasher Rebate

UMS Staff

Rebate customers \$50 for purchasing and installing efficient dishwashers.

Continued marketing and information to customers.

Water, Gas, and some Electric

Clothes Washers

UMS Staff

Rebate customers \$35 or \$75 for energy savings (depending on efficiency Tier from the Consortium for Energy Efficiency) for purchasing and installing an efficient clothes washer.

Due to changes in the SCVWD portion of the rebates for water, UMS staff added this new energy rebates and began administering it with other residential programs.

Electric

Recycle Refrigerators

JACO

Rebate customers \$35 for an old working refrigerator. Unit recycled.

Continued marketing and information to customers.

Primarily Gas

Attic/Roof Insulation

UMS Staff

Rebate customers \$150 or \$200 (depending on level of insulation) to insulate the attic/roof of the home.

Continued marketing and information to customers.

Primarily Gas

Wall Insulation

UMS Staff

Rebate customers \$200 to insulate the exterior walls of their homes.

Continued marketing and information to customers.

Electric

Pool Pumps

UMS Staff

Rebate customers \$250 for purchasing and installing high efficiency pool pumps.

Continued marketing and information to customers.

Gas

Tankless Water Heater

UMS Staff

Rebate customers \$300 for installing a tankless water heater.

Continued marketing and information to customers.

Gas

Standard Tank Water Heater

UMS Staff

Rebate customers \$40 for installing an efficient standard tank water heater.

Reviewed applicable technologies and continued marketing and providing information to customers.

Electric, Gas, Water

Residential New Construction Rebate

UMS Staff

Rebate customers who exceed City's Green Building Ordinance up to \$900.

Working with Planning and Building Department staff, developed this program to provide incentives to exceed the City's ordinance.

Electric, Gas, and some Water

Low Income Residential Energy Assistance Program (REAP)

Synergy

An energy specialist visits residents' homes and performs a free energy audit. Recommendations are given for energy saving measures. Replacements and repairs are made to insulation, weather stripping, lighting, refrigerators, and furnaces (if needed).

Enhanced this program by expanding the services to low-income multi-family housing and integrating the energy portion with water services available through SCVWD.

Electric, Gas, and some Water

Residential Home Energy Audit

Nexus

On-Line energy audit of household energy and water use.

Continued marketing and information to customers.

Electric, Gas, and Water

Residential DSM Training

Various Contractors and Staff

Workshops on energy and water conservation issues for the public.

Continued to provide a variety of workshops to residents throughout the year.

Water, Gas, and some electric

Clothes Washers

SCVWD

Rebates of \$90 or \$125 for the water savings in an efficient clothes washer.

Continued working with the SCVWD to market and administer this program.

Water

Residential Irrigation System Hardware Rebate Program (I-SHRP)

SCVWD

Up to \$1,000 for improving irrigation systems

Continued working with the SCVWD to market and administer this program.

Water

Water-Efficient Landscape Rebate Program (WELRP)

SCVWD

Up to \$2,000 (\$1.50 per square foot) for removing water-wasteful landscape and replacing it with drought tolerant plants

Continued working with the SCVWD to market and administer this program.

Water

High-Efficiency Toilet (HET) Rebate

SCVWD

Up to \$125 for installing a 1.28 gallon per flush toilet to replace an existing inefficient toilet

Continued working with the SCVWD to market and administer this program.

Water

Free Water-Saving Devices

SCVWD

Free showerheads, faucet aerators, toilet flappers and toilet leak detection kits

Continued working with the SCVWD to market and administer this program.

Water

Water Wise House Calls

SCVWD

Water technician visits the home and make recommendations to save water

Continued working with the SCVWD to market and administer this program.

Electric, Gas

Green@Home

Acterra

In-Home Energy Audit

Worked with Acterra to develop an in-home energy audit program with Blue Line Monitors providing information on usage and costs.

BUSINESS DSM PROGRAMS at City of Palo Alto Utilities

Primarily Electric

Right Lights+

Ecology Action

Contractor performs energy audit on facility, recommends changes, assists customer in making upgrades, and completes paperwork for rebate.

In new contract, expanded this program from lights only to a variety of equipment for small and medium customers.

Electric and Gas

Commercial Advantage Program (CAP)

UMS Staff

Rebates on installation of the following energy efficient equipment types: lighting, HVAC, chillers, boilers, food service, refrigeration, office equipment, appliance, & custom saving programs.

Enhanced and expanded the rebated items available to track closely with the statewide program available in the Investor Owned Utilities.

Electric and Gas

Custom Energy Audits (CARE Audits)

Contractor Chosen by Customer

CPAU pays 100% of the first \$5,000 to \$10,000 of a customer's facility audit, and then 50% up to \$10,000 to \$20,000, depending on customer size.

Continued to work with customers to use this program as necessary.

Electric, Gas, Water

Business New Construction Rebates

UMS Staff

Rebates for new construction exceeding City and state energy requirements.

Working with Planning and Building Department staff, developed this program to provide incentives to exceed the City's ordinance.

Primarily Electric

Data Center Efficiency Program

UMS Staff

Rebates for server virtualization and other data center efficiency measures.

Developed new rebate program in coordination with other California utilities.

Water

Water Efficient Tech. (WET)

SCVWD

Up to \$50,000 to reduce water use on process & equipment changes.

Continued working with the SCVWD to market and administer.

Water

Irrigation Eval. Program (ITAP)

SCVWD

Free on-site irrigation evaluations.

Continued working with the SCVWD to market and administer.

Water

Irrigation System Hardware Rebate Program (ISHRP)

SCVWD

Rebates up to \$4,000 for new irrigation hardware.

Continued working with the SCVWD to market and administer this program.

Water

Water Efficient Landscape Rebate Program

SCVWD

Rebates up to \$20,000 for replacing high water use landscaping.

Continued working with the SCVWD to market and administer this program.

Water, Natural Gas, and some Electric

Commercial Clothes Washer Rebate Program

SCVWD

Rebates up to \$400 per washer.

Continued working with the SCVWD to market and administer this program.

Water

High Efficiency Toilet (HET) Program

SCVWD

Full service toilet replacement to facilities with high water using toilets.

Continued working with the SCVWD to market and administer this program.

Water

Weather Based Irrigation Controller (WBIC) Rebate Program

SCVWD

Rebates on weather based irrigation controllers.

Continued working with the SCVWD to market and administer this program.

Water

Commercial Indoor Water Survey Program

SCVWD

Indoor water surveys.

Continued working with the SCVWD to market and administer this program.

Electric, Gas, and Water

Building Operator Certification

Building Operator Certification

Eight month training and certification on efficient building operations.

New training program this fiscal year. Additional programs to be made to customers each year.

Electric, Gas, and Water

Large Customer Facility Manager Meetings

UMS Staff & Others

Training on a variety of efficiency measures, from chillers to LEED certification on buildings.

Continued to provide education to large business customers three times per year.

Electric, Gas, and Water

MeterLinks

Automated Energy

On-Line access to metered utility usage for large customers.

New contract with vendor allows continued enhancement of this program. A strategic plan is in process.

RENEWABLE PROGRAMS at City of Palo Alto Utilities

Electric

PV Partners

UMS Staff

Rebates for installation of solar electric (PV) systems.

Continued to sign on many customers for PV systems. Signed up largest system with first performance based incentive. Began to develop a program for performance inspections, as required by the CEC.

Gas

Solar Water Heating

UMS Staff with Center for Sustainable Energy

Rebates for installation of solar water heating systems.

New program allows up-front rebates for residential and commercial systems.

Electric and Gas

Ground Source Heat Pump

UMS Staff

Help customers implement ground source heat pump systems.

Continued to provide education about GSHP systems. Reviewing cost effectiveness of a rebate.

Electric

PaloAltoGreen

3Degrees

Supports wind and solar generation by purchasing renewable energy credits up to 100% of a customer's energy usage.

Increased program to over 20% participation rate. Continued to market to customers, particularly businesses.

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