

THE Power OF Green

PARTNERING FOR RENEWABLE ENERGY

SVP WINS PRESTIGIOUS EPA AWARD TWO YEARS IN A ROW



Silicon Valley Power (SVP), the City of Santa Clara's municipal electric utility, has done it again—won a Green Power Leadership Award for its 100 percent renewable energy program, *Santa Clara Green Power*. The awards program is organized by the U.S. Department of Energy, the U.S. Environmental Protection Agency (EPA) and the Center for Resource Solutions. SVP is one of only two companies that received the prestigious award in 2007, based on program growth, customer participation, green power sales and overall value to customers.

SVP BOASTS OF 29 PERCENT RENEWABLE ENERGY

Silicon Valley Power (SVP) has increased its eligible renewable energy to 29 percent in 2007—pushing it way ahead of California's goal of 20 percent by 2010. When you add 21 percent large hydroelectric to the power mix, emission-free, clean power jumps to 50 percent.

THREE SANTA CLARA COMPANIES MAKE HALF-TURBINE COMMITMENTS TO GREEN POWER



Silicon Valley Power salutes its Green Power Champions, large contributors to the utility's Santa Clara Green Power program. They are Agilent Technologies, Applied Materials, National Semiconductor, Santa Clara Marriott, Santa Clara University, Terremark, Westfield Valley Fair, Yahoo!, and the City of Santa Clara.

Three Santa Clara companies – Santa Clara Marriott; National Semiconductor, the industry's premier analog company; and Terremark, a leading provider of managed IT infrastructure services – have become Green Power Champions. They have each

purchased one half of the output of one large-scale wind turbine on an annual basis from **Santa Clara Green Power**. These purchases make the three companies members of the EPA's Green Power Partnership.



CITY OF SANTA CLARA INCREASES GREEN POWER PURCHASE

The City of Santa Clara has more than doubled its original purchase of green power through *Santa Clara Green Power*. This total commitment represents more than one million kilowatt-hours of renewable energy annually. As a large green power supporter, the City joins the EPA's Green Power Partnership.

SANTA CLARA UNIVERSITY, YAHOO! INCREASE RENEWABLE ENERGY COMMITMENTS TO SVP

Both Santa Clara University (SCU) and Yahoo! Inc., a global Internet service leader, increase their commitments to clean energy through *Santa Clara Green Power*. SCU's latest purchase raises its investment in the program by five times to 8,040 MWh. This is equivalent to the annual output of two and a half large-scale wind turbines. The increased commitment level makes the University the second largest Santa Clara Green Power purchaser after Applied Materials.

Yahoo! has doubled its commitment, raising its total to one half of the annual output of one large-scale wind turbine.

Local Green Power Commitments Keep Environment Clean

Organization	Applied Materials (2.6 Turbines)	Santa Clara University	Santa Clara Marriott National Semiconductor Terremark Yahoo! Agilent Westfield Valley Fair	City of Santa Clara
Turbine commitment	2.6 Turbine commitment (8,220 MWh annually)	2.5 Turbine commitment (8,040 MWh annually)	Half-Turbine commitment (1,608 MWh annually)	Quarter-Turbine commitment+ (more than one million kWh annually)
CO ² Reduction	more than 3,277 tons of carbon dioxide	more than 3,205 tons of carbon dioxide	more than 641 tons of carbon dioxide	more than 407 tons of carbon dioxide
Equivalent reduction of cars per year	709	694	139	88
Equivalent trees planted	2,731 acres	2,671 acres	534 acres	339 acres

SVP GRANTS SANTA CLARA UNIVERSITY LARGE REBATE FOR SECOND SOLAR INSTALLATION

SVP has granted Santa Clara University (SCU), a comprehensive Jesuit, Catholic university, \$125,000 in rebates for the installation of a new 50-kilowatt (kW) photovoltaic (PV) system. Constructed on the University's main facilities building, the 338-panel solar system is projected to produce an average of 80,300 kilowatt hours (kWh) annually, equivalent to producing enough energy to supply 15 homes. The rebate represents one of the largest solar rebates given by SVP. The installation is the second by SCU; the first is a 1.6-kW system developed as part of a student project in 2002.

SILICON VALLEY POWER FUNDS SOLAR ELECTRIC SYSTEMS IN HABITAT FOR HUMANITY HOMES

Reflecting its commitment to the utilization of renewable energy sources, SVP fully funded the installation of PV solar electric systems on the roofs of three single-family Habitat for Humanity homes in 2004, with six more under construction for eligible, low income families in the City of Santa Clara.

SVP HELPS FUND COMMERCIAL SOLAR SYSTEMS THROUGH REBATES

SVP grants \$125,000 in rebates for a 50-kW PV system for Absolute Turnkey, a contract manufacturer supporting electronic assembly requirements. The company anticipates \$8,300 in energy savings annually.

Also in the works are a 50-kW systems for Silicon Valley Solar, a manufacturer of flat plate internal concentrator solar modules, and the new apartment building, 550 Moreland, constructed by the Prometheus Real Estate Group. The system will produce power for common areas in the complex. The two companies anticipate receiving rebates of approximately \$164,000 and \$151,000 and producing 67,000 and 77,500 kWh per year, respectively.

A project for LJ Engineering, a full-service machine shop, will be an 85 kW PV system, producing 150,000 kWh and qualifying for approximately \$255,000 in rebates from SVP.

