

LADWP Solar Power

*Overview and Update
October 2002*



LADWP Solar Power

- *Solar Buydown Program (incentives)*
- *Solar Power Distributed Generation*
- *Solar Demonstration and Pilot Projects*



LADWP Solar Power

Buydown Program

Solar power incentives to reduce the installation cost of solar power systems for LADWP customers



LADWP Solar Power

Buydown Program

- Commercial
- \$6.00 per watt
- \$2 million max
- Net metering to 1MW capacity
- May qualify for Gas Company
- Residential
- \$6.00 per watt
- \$60,000 max
- Net metering



LADWP Solar Power Buydown Program

	2002	2003	2004	2005	2006	2007	2008	2009	2010
<i>Base</i>	4.50	4.50	3.50	3.50	3.00	3.00	2.50	2.50	2.00
<i>LAMC</i>	1.50	1.50	1.50	1.50	1.00	1.00	1.00	1.00	1.00
<i>Total</i>	6.00	6.00	5.00	5.00	4.00	4.00	3.50	3.50	3.00



LADWP Solar Power

Residential



Small & Midsize Commercial



Industrial & Commercial

Buydown Program: 9-30-02

1,454 kW



LADWP Solar Power

Solar DG Program

Solar energy distributed generation (DG) installations in L.A. to provide renewable energy and improve the LADWP electric system



LADWP Solar Power

Solar DG Program



Los Angeles Convention Center
Cherry Street 250kW Array



Completed October 2001



LADWP Solar Power

Solar DG Program

Valley Service Center: Van Nuys, CA

- Phase I: Truck Maintenance Shed, 54 kW
- Phase II: Equipment & Truck Sheds, 104 kW
- Phase III: Electric Vehicle Shade, 48 kW
- Phase IV: Toolroom Warehouse, 40 kW

Total at Valley Service Center: 246 kW



LADWP Solar Power

Valley Service Center - Van Nuys, CA
Phase I - 54 kW

- Truck Maintenance Shed



LADWP Solar Power

Valley Service Center - Van Nuys, CA
Phase II - 104 kW



- Equipment and Truck Maintenance Sheds

LADWP Solar Power

Valley Service Center - Van Nuys, CA
Phase III - 48 kW



- Phase III: Electric Vehicle Shade

LADWP Solar Power

Solar Flat Roofs

- Granada Hills Service Center, 96 kW(u.c)
- Truesdale Center, Sun Valley, 115 kW(u.c.)
- Harbor Generating Station, 288 kW (est.)
- Additional Sites in 2003-04, 713 kW (est.)

Total Flat Roof PV thru 2004: 1,212 kW



LADWP Solar Power

Solar Flat Roofs



- Granada Hills - 96 kW

LADWP Solar Power

Solar Flat Roofs

- Total Flat Roof PV thru 2004: 1,212 kW



Truesdale



Harbor GS



LADWP Solar Power

Solar Flat Roofs

Crowded Existing
Electrical Conditions



Obstructions



Shading



LADWP Solar Power

Solar Demonstration Program

Solar energy demonstration projects designed to showcase technologies in L.A. and to promote new renewable energy systems



LADWP Solar Power

Solar Demonstration Program



John Ferraro Building
151 kW Solar Array

Completed February 2000



LADWP Solar Power

Solar Demonstration Program



LADWP Solar Power

Summary



LADWP Solar Power

- *Solar Buydown Program (incentives)
... 1.5 MW*
- *Solar Power DG & Demonstration Projects
... 0.7 MW*
- *End of year 2002 ... 2.6 MW*
- *By end of 2004 ... 6.6 MW*



LADWP Solar Power

www.GreenLA.com/solar

1-800-GreenLA

www.ladwp.com

Thomas Honles, P.E.
Solar Power Manager

1-213-367-3151

Email:

thomas.honles@ladwp.com

