

MILLION

Solar

ROOFS



**Become
One In
A Million**



Bringing you
a prosperous
future where
energy is clean,
abundant, reliable,
and affordable



U.S. Department of Energy
Energy Efficiency
and Renewable Energy



Federal Commitment

With 500,000 buildings, the federal sector represents about 0.5% of the entire U.S. building inventory. Each year, U.S. taxpayers spend more than \$3 billion to heat, cool, light, and power those buildings. During the past 20 years, the energy bill has been reduced by investing in energy efficiency and applying renewable energy (including solar) systems on new and existing federal buildings.

The federal government is committed to installing solar electric and solar thermal energy systems on 20,000 federal buildings by 2010. In fact, a preliminary commitment of installing 2,000 systems on federal buildings by the year 2000 was met and exceeded.

A Strong Energy Portfolio for a Strong America

Energy efficiency and clean, renewable energy will mean a stronger economy, a cleaner environment, and greater energy independence for America.

Working with a wide array of state, community, industry, and university partners, the U.S. Department of Energy's Office of Energy Efficiency and Renewable

Energy invests in a diverse portfolio of energy technologies.

The Million Solar Roofs Initiative

Since its announcement in June 1997, the Million Solar Roofs Initiative has generated a major buzz in communities, cities, and states throughout the nation. Now, with more than 300,000 solar roof installations, the buzz is

getting louder. But we're not finished yet. This initiative seeks to install solar energy systems on one million U.S. homes and buildings by 2010.

Here's What Counts

Systems can be...

For water, pool, and space heating & cooling



Aquatherm Industries/PA007015

Pool



Sun Traps, Bexar County, TX

Solar Hot Water



Space Heating

Jim Year/PA09173

Solar Electric

For electricity



U.S. Department of Energy

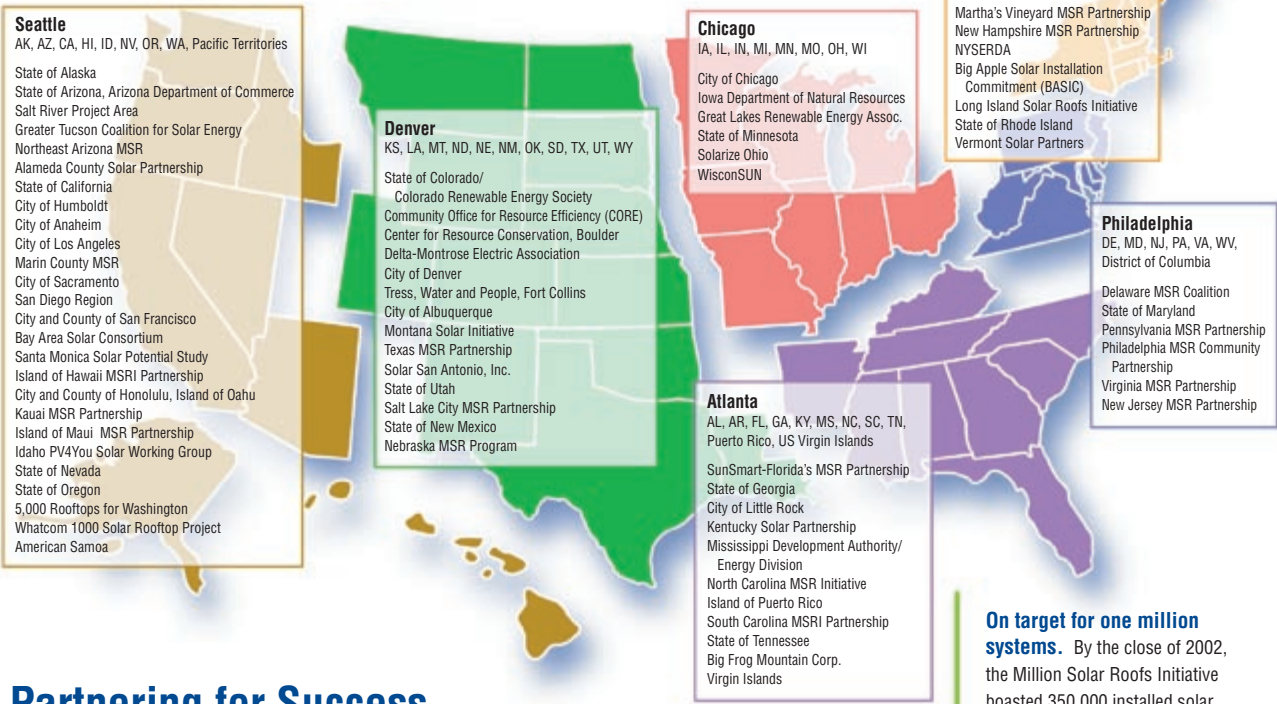


Patrick Engineering/PA09514



PowerLight Corp./Orino-McNeil Pharmaceuticals

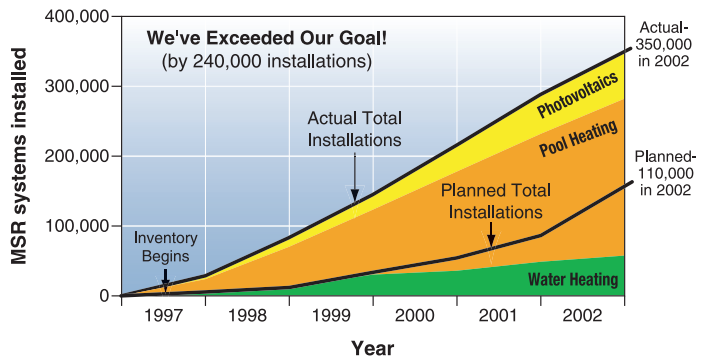
Partnerships in States and Communities Are Making the Market



On target for one million systems. By the close of 2002, the Million Solar Roofs Initiative boasted 350,000 installed solar energy systems. This means we've exceeded our interim goal of 110,000 systems by a factor of 3.

Partnering for Success

The keys to success are the nearly 100 state and local Million Solar Roofs partnerships. They focus on removing market barriers to solar energy use and developing and strengthening local demand for solar energy products and services. Within these partnerships, hundreds of other participants include members of the building industry, federal agencies, state and local governments, utilities, solar energy system providers, financial institutions, and nongovernmental organizations. The U.S. Department of Energy, through its Regional Offices, joins every partnership and provides coordination, information, and technical assistance.



We All Benefit

The Million Solar Roofs Initiative benefits every one of us by:

Reducing emissions associated with power generation.

In 2010, with one million solar energy roofs in place, the Initiative could reduce carbon emissions in an amount equivalent to the annual emissions from 850,000 cars.

Creating high-tech jobs. By 2010, as many as 70,000 new jobs could be created as a result of the increased demand for PV, solar hot water, and related solar energy systems.

Become A Partner

Contact the DOE regional coordinator in your area for information on joining an existing partnership or developing a new one. Partnerships must include at least three participant organizations and, at a minimum, commit to installing 500 "equivalent" solar energy systems* by 2010. Partnerships bring together business, government, the energy industry, and community organizations to:

- Work with state and local governments to overcome barriers to solar energy and energy efficiency applications in buildings.
- Identify financial incentives for solar energy installations.
- Establish net metering for photovoltaics.
- Develop/modify codes and standards that affect solar projects.
- Implement training programs for building officials, the construction industry, and solar energy system installers.
- Foster outreach for solar energy and energy efficiency.
- Take part in national information sharing, peer-to-peer exchanges, and cooperative research and training projects.
- Link Million Solar Roofs with other community initiatives.

*Criteria for equivalent solar energy systems are posted on www.millionsolarroofs.org/about_qualifications

Cover Photos:

(from top) Celentano Energy Services/John Warren Home; John Haigwood/PIX04577; Heliocol/PIX08874; Oregon Office of Energy; NC Solar Center/PIX09381; Shea Homes; Energy Coordinating Agency of Philadelphia/Ellen Sherk Home; (background photo) S.L. Pedigo.

Keeping the U.S. solar energy industry competitive.

By encouraging a broader domestic market for solar energy, the Initiative could help U.S. companies regain their competitive edge in the worldwide market. By 2005, the PV market alone is expected to exceed \$1.5 billion worldwide.

Providing secure and reliable sources of energy.

Installing solar energy systems adds resilience to our nation's energy supply. A dispersed energy-generation system with multiple facilities located near the point of use is inherently more secure than large central facilities.

Become a Million Solar Roofs partner and make a difference!
Get involved today by calling your U.S. Department of Energy Regional Office:

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www.millionsolarroofs.org



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