

Million Solar Roofs Initiative

State and Local Partnerships Solicitation FY 2001

Atlanta Region

Appalachia: Science in the Public Interest: “Overcoming Barriers to Solar Use in Kentucky” – Develop a statewide partnership by: 1) defining barriers to solar development, 2) developing educational materials for the partnership and public, 3) conducting outreach to the community and educational institutions, and 4) demonstrating efficacy of solar application by installing a utility interactive solar system on electric vehicle carport.

Contact: Joshua Bills, Science in the Public Interest, (859) 985-9032

Southface Energy Institute: “Georgia Million Solar Roofs” – The partnership will complete a set of coordinated tasks designed to increase public and private demand for solar energy technologies and to strengthen the emerging solar energy industry in Georgia and adjoining states by: 1) convening Energy and Environment Roundtable for green power, 2) producing a white paper on green power, 3) conducting design charettes in Southeast Region, and 4) teaming up with early adopters in solar industry.

Contact: Dennis Creech, Southface, (404) 872-3549, ext. 110

North Carolina Department of Administration: “Fostering Community Partners Growth” – The primary objective of this project is to remove local barriers to developing the solar industry and to assist local (county and city) partnerships in developing customized programs by inviting local communities to apply for small grants for consumer awareness, training, and technical assistance on demonstration of solar installations.

Contact: Bob Leker, North Carolina Department of Administration, (919) 733-1907

Florida Department of Community Affairs: “Photovoltaic Training for Code Officials and Electrical Inspectors” – This project is geared to train building code officials and electrical inspectors in the proper installation and inspection of stand-alone and

grid-tied PV systems to maximize efficiency of installations and reduce associated time and costs.

Contact: Alexander Mack, Florida Department of Community Affairs, (850) 488-2475

Boston Region

New York State Energy Research and Development Authority (NYSERDA): Work with the NY State Chapter of the Solar Energy Industries Association to develop and implement a PV installer training program that is accredited by a nationally recognized organization. They will design charettes to train builders, architects, and realtors, while providing general public education and outreach regarding solar technologies, working toward barrier removal.

Contact: Jeff Peterson, NYSERDA, (518) 862-1090 (ext. 3288)

Rhode Island State Million Solar Roofs Initiative: Focus on three specific areas, modifying building codes to allow for lower solar installation costs in new construction, solar installer licensing, and a cost/benefit analysis of net metering as it impacts a closed utility system (Block Island).

Contact: Janice McClanaughan, State of Rhode Island, (401) 222-3370, ext 109

Long Island, New York: State University of New York at Farmingdale Solar Energy Center – Organize and conduct four three-day workshops on the installation and maintenance of residential PV systems. The purpose of these workshops will be to develop the necessary infrastructure on Long Island to support the MSR Partnership, and to maximize the public use of incentives being offered by the Long Island Power Authority for solar energy.

Contact: Gordian Raacke, (631) 537-8282

Vermont Million Solar Roofs Partnership: Focus on addressing barrier removal to greater solar use through designing charettes for contractors and

building officials, conducting cost analyses of solar technologies, including solar technologies in the Home Energy Rating System, and organizing and conducting quarterly conference calls among the New England/New York Partnerships to discuss and exchange information.

Contact: Andy Perchlik, Vermont Department of Public Service, (802) 828-4036; David Hill, (802) 658-6060

Solar Boston: Address local barrier removal, explore local financing options, enlist elected officials in the effort to convince local utility companies to give favorable response to grid-tie ins, work toward community demonstrations and continue education and outreach efforts in support of solar energy technologies, and target empowerment zones and Brightfields development in Massachusetts.

Contact: Larry Chretien, Boston Oil Consumers Alliance, (617) 524-3950

Chicago Region

State of Wisconsin: Energy Center of Wisconsin – Proposed work scope targets four main barriers: (1) lack of information, (2) interconnection, (3) high transaction costs, and (4) institutional inertia. To overcome these barriers, funding from the grant will support activities to improve communications within the industry, educate utility representatives about grid-connected PV systems, participate in solar energy forums and groups across the Midwest, and increase awareness and understanding of solar energy systems in Wisconsin.

Contact: Don Wichert, State of Wisconsin, (608) 266-7312; Niels Wolter, MSB Energy Associates, (608) 831-1127

Great Lakes Renewable Energy Association: Energy Office, Michigan Department of Consumer and Industry Services – Project will remove a number of the barriers to the use of solar energy technology in Michigan, strengthen the local demand for solar energy technologies, and lead to the installation of 500 or more solar energy systems in Michigan. The state energy office will partner with

the Great Lakes Renewable Energy Association (GLREA), who will take the lead in implementing the Million Solar Roofs Initiative in Michigan. They will address the following prioritized barriers: limited financing options for home and building owners, small market for solar energy at this time, property taxes, interconnection policies, lack of institutional support, and lack of certification of solar energy professionals.

Contact: Mark Tuttle, GLREA, (231) 876-9463; John Sarver, State of Michigan, (517) 241-6280

The Foundation for Environmental Education:

This Ohio project focuses on creating a model community in Westerville, Ohio, which will demonstrate the feasibility, reliability, and economy of using PV systems in a typical Midwest community. The project promotes the installation of PV panels for traffic lights, remote buildings, bus shelters, emergency shelters, gasoline pumps, security lights, schools, retirement centers, daycare centers, and government buildings. Other communities within Ohio will have direct access to the project through the Internet. The project objective is to expose decision-makers, utilities, government, businesses, and environmental groups to the fact that solar energy is feasible in Ohio.

Contact: Glen Kizer, The Foundation for Environmental Education, (614) 470-0435

Denver Region

City of Boulder, Colorado, Million Solar Roofs Partnership: Boulder Energy Conservation Center – Work on deploying solar in municipal facilities by removing barriers regarding public education, environmental benefits, education, and technical assistance to city housing authority, building inspectors, and other appropriate professionals.

Contact: Susan Holland, Boulder Energy Conservation Center, (303) 441-3278

State of Montana Million Solar Roofs Partnership: National Center for Appropriate Technology – Develop solar market penetration by working with utilities, state solar industry, and media

through consumer awareness and targeting off-grid homeowners.

Contact: Jim Tracy, National Center for Appropriate Technology, (406) 494-4572

State of Texas Million Solar Roofs Partnership: Austin Energy – Select 10 Texas neighborhoods as case studies. Identify regulatory barriers/codes and covenants to solar in those neighborhoods and identify partners to work on overcoming them. Identify solar suppliers to service these neighborhoods.

Contact: Leslie Libby, Austin Energy, (512) 322-6290 or Jane Pulaski, (512) 926-8472

State of Colorado Million Solar Roofs Partnership: Colorado Renewable Energy Society/Energy 21 – Offer solar energy as an option with builders in Colorado, including the Stapleton development project. Offer technical and marketing assistance to the builders by providing educational materials and workshops. Perform economic study of the benefits of solar technology in the Colorado market. Provide general solar workshops for the general public.

Contact: Kelly Christopher, Colorado Renewable Energy Society/Energy 21, (303) 277-9910

State of New Mexico Million Solar Roofs Partnership: Develop a funding mechanism to deploy PV in off-grid residences in New Mexico. Residents currently don't qualify for standard loans and this program will work to overcome this obstacle to deploying PV.

Contact: Michael McDiarmid or Ron Orozco, New Mexico Energy Office, (505) 890-1534

Philadelphia Region

State of Maryland Partnership: The Maryland Solar Roofs Program is comprised of two objectives — remove barriers and strengthen local demand for the use of solar energy technologies by improving the existing programs for solar schools and residential rooftops. Activities include the development of a Maryland Solar Roofs registry, and a state solar

energy education conference as well as public outreach activities. Partners include the Maryland Energy Administration, Maryland Energy Institute, the Maryland, DC, and Virginia Solar Energy Industries Association, Potomac Region Solar Energy Association, Montgomery County, and the Solar Schools Foundation.

Contact: Tim LaRonde, Maryland Energy Administration, (410) 260-7539

State of New Jersey Partnership: The New Jersey Million Solar Roofs Partnership supports their existing partnership with activities that will address the localized barriers to solar energy applications within the state. The goal of this project is to establish, distribute, and maintain an on-line distance learning program to provide solar training for design professionals, building code officials, real estate professionals and financial institutions. The partnership includes state government entities, non-profit organizations and solar professional members.

Contact: Darren Port, New Jersey Department of Community Affairs, (609) 292-3931

Philadelphia Million Solar Roofs Community Partnership: The Philadelphia Million Solar Roofs Community Partnership (PMSR), a collaborative endeavor of more than 19 regional partners, will continue the local solar market development by building the infrastructure and capacity for a vibrant regional solar energy industry. In its second year, the PMSR partnership will build on its accomplishments in all areas of market development. Specifically, leveraging the resources accruing to the Sustainable Development Fund and assisting in the successful implementation of the solar photovoltaic incentive program.

Contact: Scott Hunter, Energy Coordinating Agency of Philadelphia, (215) 686-3904

Pennsylvania Weatherization Task Force Partnership: The Pennsylvania Weatherization Task Force Partnership will address building code-related market barriers to accelerate the penetration of solar technologies in the Commonwealth of Pennsylvania. The partnership team consists of 41 local, community-based organizations, Weatherization Assistance Program sub-grantees, utility companies,

and state and local government agencies. The Partnership has established relationships with the Florida Solar Energy Center and the National Center for Appropriate Technology.

Contact: Gene Brady, Commission on Economic Opportunity, (570) 826-0510

Seattle Region

State of California: Building Industries Institute – Funding will be used to unite a major Southern California local government with a nationally recognized production builder and to formally arrange for the builder to offer PV on its model home(s) while simultaneously arranging for the local government to offer benefits to the builder for offering PV. In addition, they will provide PV training to both builders and local government building officials, and embark on an aggressive PV education and outreach program for both groups.

Contact: Robert Raymer, Technical Director, The Building Industry Institute, (916) 443-7933

State of Washington: Washington State University, “Solar Works in Washington” will become the key theme of MSR activities in Washington State. This message will be driven home to utilities, communities, consumers, businesses, and the environmental community. In addition, the funding will help continue support for net metering policy development, to develop solar curriculums and to explore financing mechanisms.

Contact: Mike Nelson, Washington State University, (360) 956-2148

Island of Maui: Maui Electric Company, Limited – Maui Electric and its partners will work through a strong collaboration of builders, lenders, and realtors to target major barriers to the installation of solar water heating: 1) initial cost, 2) lack of understanding of solar water heating’s energy saving potential, and 3) lack of understanding about the advantages of Energy Star home financing options among builders, realtors, lenders, and buyers.

Contact: James Loux, Supervisor, Customer Efficiency Programs, Maui Electric Company, Limited, (808) 872-3283

State of Oregon: Oregon Office of Energy – The goal of the Oregon proposal is to validate that solar energy works and, thereby, build demand for solar domestic hot water and PV systems. Among its activities, the partnership will support utility efforts and develop solar contractor specialty licenses, begin a long-term awareness campaign based around the theme that solar works for Oregon, and build partnerships that will deliver the information and incentives that increase demand and the quality of solar equipment.

Contact: Christopher Dymond, Energy Analyst, Oregon Office of Energy, (503) 378-8325

San Diego Region: San Diego Regional Energy Office – Funding will support ongoing and proposed activities to increase awareness of and the market for solar energy technologies in the San Diego Region. Examples of proposed activities include: expanding web-based solar energy information in the region; continuing outreach to homebuilders and architects; conducting design charettes to integrate solar technologies into residential and commercial buildings; promoting solar applications on regional K-12 schools; and more.

Contact: Kurt Kammerer, Executive Director, SDREO, (619) 595-5630

City of Tucson: Tucson Solar Coalition (Venture Catalysts) – The partnership will continue its efforts to increase community awareness of, and commitment to, solar energy applications by: 1) educating the community concerning existing solar energy investment vehicles and establishing new ones, 2) continuing development of financing options, and 3) expanding insight concerning local barriers and benefits.

Contact: Valerie Rauluk, Chief Executive Officer, Venture Catalyst Inc., (520) 326-3195

State of Arizona: Arizona Department of Commerce – Using the established information delivery infrastructure in the state, the partnership will implement a program that promotes the newly

adopted Environmental Portfolio Standard (EPS) and produces information and educational materials that will be disseminated through varied information venues (website, telephone, workshops, lectures, newsletters, tours, and events). These activities are designed to educate consumers, the design and construction industry, and jurisdictional groups on the EPS and solar utilization.

Contact: Jim Arwood, Arizona Department of Commerce Energy Office, (602) 280-1409

American Samoa: Funding will be used to resolve barriers to the development of a sustainable private sector market for solar energy products and services. Activities will include: training local government and private sector technicians to install and maintain solar water heating systems; printing previously developed bilingual literature; and performing a feasibility study for a hybrid PV power generation system.

Contact: Reupena S.T. Tagaloa, Director, American Samoa Government, Territorial Energy Office, (684) 699-1101

City of Santa Monica: Funding will be used to prepare financial and technical feasibility analyses of the potential for installation of solar energy systems in Santa Monica and an analysis of the available financing options that could be leveraged by the city through the establishment of a revolving loan fund.

Contact: Susan Munves, Green Building and Energy Resources Coordinator, City of Santa Monica, (310) 458-8229

State of Idaho: Idaho Department of Water Resources – The partnership will continue activities in the area of consumer education and awareness, including: updating their implementation plan; reprinting/developing materials and resources; developing and implementing Solar Awareness Week events; organizing and conducting workshops; and more.

Contact: Ms. K.T. Hanna, Idaho Department of Water Resources, (208) 327-7978

State of Nevada: UCCSN–Desert Research Institute – The Nevada partnership will build on the activities of the Corporation for Solar Technology and

Renewable Resources (CSTRR) by educating consumers about solar energy technologies; addressing the lack of solar infrastructure to support consumers; and developing certification programs for PV and solar thermal systems. Additional efforts will focus on developing a K-12 solar energy education program and supporting existing net metering legislation.

Contact: Alan Austin, Vice President for Finance and Administration, Desert Research Institute, (775) 673-7316

State of Alaska: University of Alaska, Fairbanks – The partnership will continue its efforts to find ways to encourage early adopters at the residential and village scale in Alaska via information sharing, development of a net metering protocol for working with utilities in the state, and involving rural utilities in the development of off-grid power options.

Contact: Richard Seifert, Energy and Housing Specialist, Cooperative Extension Service, University of Alaska Fairbanks, (907) 474-7201

Island of Oahu: Hawaii Electric Company, Inc. – HECO will conduct community-based Solar Educational Fairs on the Island of Oahu. The fairs will consist of informational and educational exhibits on the benefits of solar water heating systems.

Contact: Sharon Suzuki, Hawaiian Electric Company, Inc., (808) 543-4765