











# Maryland Residential Solar Program

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# Strong History of Support for Renewable Energy in Maryland

- Enacted Clean Energy Production Tax Credit (2000)
- Established Renewable Portfolio Standard (RPS) (2004)
- Created Renewable Energy Grant Program (2004)
- Added 2% Solar Carve-Out to RPS (2007)
- Expanded Net Metering (2007)



## Maryland Accelerated Renewable Energy Support in 2008

- More than doubled RPS
  - 20% Renewables by 2022
- Exempted Systems from Sales and Property Taxes
- Established Strategic Energy Investment Fund (SEIF)
- Expanded Solar Access Law
- Created Maryland Clean Energy Center (MCEC)



### **Current Solar Programs and Incentives**

- Maryland Solar Energy Grant Program
  - Strategic Energy Investment Fund (SEIF)
  - American Reinvestment and Recovery Act (ARRA)
- County Property Tax Credits
- Maryland Solar Renewable Energy Credits (SREC)
- Federal 30% Investment Tax Credit (ITC)

Go to <u>www.dsireusa.org/solar</u> for a list of all incentives



### Maryland Solar Grant Program

Effective Sept 1, 2009

#### Photovoltaic Systems

- \$1.25/W for first 2 kW
- \$0.75/W for kW 2 8
- \$0.25/W kW 8 20
- Max grant \$10,000
- Max size 20 kW

#### Solar Hot Water

- 30% of system cost
- Max grant \$2,000

# Maryland Grant Sponsored Photovoltaic Systems

Fiscal Year	Systems	Ave Size (kW)	Ave. Cost	Ave. Grant
2005	19	2.3	\$23,779	\$2,931
2006	11	3.1	\$26,779	\$3,161
2007	51	2.8	\$23,959	\$3,068
2008	80	3.9	\$33,374	\$3,164
2009	216	4.0	\$35,703	\$8,409



# Maryland Grant Sponsored Solar Hot Water Systems

Fiscal Year	Systems	Ave. Cost	Ave. Grant
2005	19	\$9,568	\$1,541
2006	12	\$7,704	\$1,541
2007	87	\$7,233	\$1,371
2008	106	\$8,967	\$1,680
2009	155	\$9,329	\$2,580



## **County Property Tax Credits**

- Ann Arundel
  - 50% of cost; Max \$2,500 PV & SHW
- Harford
  - 100% of prop tax; Max \$2,500 PV & SHW
- Howard
  - 50% of cost; Max \$5,000 PV, \$1,500 SHW
- Montgomery
  - 50% of cost; Max \$5,000 PV, \$1,500 SHW
- Prince George's
  - 50% of cost; Max \$5,000 PV, \$1,500 SHW



# Maryland Solar Renewable Energy Credits (SRECs)

- Sold to Energy Generators to meet RPS requirements
- Equal to 1 MWh of solar electricity
- Typical 4 kW system will produce about 4.5 SRECs a year for 15 years
- Current SREC price approx. \$320/MWh
- SREC prices will decline over time



#### 2009

### Its Time to Consider Solar in Maryland

**Energy Security** 

Climate Change

High Retail Electricity Rates

**Federal Incentives** 

Maryland Incentives



3.2 kW PV in Pasadena, MD

Go to <a href="www.energy.state.md.us">www.energy.state.md.us</a> or email <a href="mailto:meainfo@energy.state.md.us">meainfo@energy.state.md.us</a> to find out more.