



Solarize Frederick County

Would you put a solar system on your home if it was affordable?

Would you like to see more solar systems in your neighborhood?

If your solar system price got lower and lower as more households signed contracts, would you be even more interested?

If you answered YES, then read more about Solarize Frederick County below and on back.

Between April 26 and August 30, 2013, Solarize Frederick County will...

- Coordinate a volume purchasing initiative which will result in significant discounts for both solar electric systems and solar hot water systems.
- Offer incentive grants: \$750 - \$1,000 for solar thermal and \$2,000 - \$2,500 for solar PV installations. That's in addition to Maryland state grants and federal tax credits.

Learn all about solar energy systems & Solarize Frederick County

Solarize 101 & 201 Workshops

Visit www.SolarizeFrederick.org for Schedules



Photovoltaic solar panels purchased in a community volume purchase. KW Management of Nashua, NH installed the systems at Nubanusit Neighborhood & Farm Cohousing, Peterborough, NH 2010-11. www.peterboroughcohousing.org



Sign up for a Free Solar Assessment at SolarizeFrederick.org!

For more information, contact

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Solarize Frederick County

Solarize Frederick County is a volume purchasing initiative for solar electric (photovoltaic-PV) and solar hot water systems. It is a special initiative of Frederick County's Green Homes/Renewable Star Challenge.

Any Frederick County homeowner may participate and there will be special community-based outreach efforts in two pilot communities, Myersville and the Villages of Urbana. Three key components of Solarize Frederick County are designed to motivate homeowners to act:

- **Volume discounts** provided by the selected installers;
- **Incentive grants:** \$750 or \$1,000 for solar hot water; \$2,000 or \$2,500 for solar electric; and
- **A limited enrollment period** between April 26 and August 30, 2013.

During the pilot project, interested neighbors and friends can come together to purchase and install solar systems collectively, and save significant costs as a result of volume purchasing. By choosing only one or two contractors, and conducting promotional campaigns, Solarize Frederick County can hand deliver contractors warm leads in a small geographic area in a limited period of time. Job grouping, a restricted time period, and community led sales can result in significant savings – **as much as 33%**. Coupled with the federal tax credit, a Maryland grant, electricity savings, and the sale of Renewable Energy Certificates, first year cost can be reduced by **as much as 54 – 88%**!

Pro-Forma*	2 kW	4 kW	8 kW	10 kW
Estimated Retail Installed Cost of System	\$13,000	\$20,000	\$32,000	\$39,000
Maximum Solarize FC Volume Purchase Discount	\$5,100	\$5,200	\$4,400	\$4,500
Cost of System after Solarize FC Discount	\$7,900	\$14,800	\$27,600	\$34,500
Solarize \$2,500 Incentive Grant	\$2,500	\$2,500	\$2,500	\$2,500
Maryland State Grant	\$1,000	\$1,000	\$1,000	\$1,000
Federal Tax Credit	\$2,370	\$4,440	\$8,280	\$10,350
Total Discount, Grants and Credits in 1st Year	\$10,970	\$13,140	\$16,180	\$18,350
Net Cost of System after 1st year Solarize discount, grants, and credits	\$2,030	\$6,860	\$15,820	\$20,650
Estimated Sale of Renewable Energy Credits ¹	\$240	\$480	\$1,080	\$1,200
Estimated Electricity Savings in 1st Year	\$281	\$561	\$1,122	\$1,403
Net cost at end of 1st Year	\$1,509	\$5,819	\$13,618	\$18,047
% of Retail Cost covered by 1st year Solarize discount, grants, savings, and credits	88.4%	70.9%	57.4%	53.7%
Estimated Years 2-7 Electricity savings and REC sales ²	\$3,080	\$6,085	\$12,229	\$14,964
Estimated Net cost of system at end of Year 7	(\$1,571)	(\$266)	\$1,389	\$3,083
Increased Property Resale Value ³	\$5,620	\$11,220	\$22,440	\$28,060

For example, this table shows the impact of discounts, grants, etc. on different sized solar electric systems.

¹ Assumes annual sale at 40% of ACP

² Assumes \$0.11/ kWh in Year 1 and annual increases of 2%

³ Assumes resale value of 20x annual energy savings

For illustrative purposes only. Actual costs and incentives depend upon site conditions and programs that may or may not be applicable to your situation. These pro-formas are not guaranteed and are subject to change without notice

Don't Miss Out! There's No Better Time to Solarize!