

ROI: Solar PV 2014 (MD Residential Systems)



Maryland Energy Agency Solar Grant Program
\$1,000 paid directly to the system owner



Federal Investment Tax Credit
30% of the amount paid to purchase and install a PV system completed prior to December 31, 2016 can be deducted as a credit on your income tax.



Sale of Renewable Energy Credit Certificates (RECs)

Special state rules allow owners to participate in programs to sell RECs to utilities and other buyers of clean-energy certificates.



Electricity Savings on Your Utility Bill

Grid connected systems can be net-metered to effectively pay you for the electricity you produce but do not use.



Increased Resale Value of Property

Experts estimate that the value of a property with a PV system is increased by 20 times the yearly electricity savings.



Pro-Formas*:	2 kW	4 kW	8 kW
Installed Cost of System	\$10,000	\$16,000	\$26,000
Maryland State Grant ¹	\$1,000	\$1,000	\$1,000
Federal Tax Credit	\$3,000	\$4,800	\$7,800
Sale of Credits (SRECs) ²	\$264	\$528	\$1,188
Electricity Savings in 1st Year ³	\$295	\$590	\$1,180
Total Grants /Credits/Savings Year 1:	\$4,559	\$6,918	\$11,168
Net Cost to System Owner (Year 1):	\$5,441	\$9,082	\$14,832
Years 2-7 Elec. Savings & REC Rev.:	\$3,218	\$6,518	\$12,970
Net Cost to System Owner (Year 7):	\$2,223	\$2,564	\$1,862
Increased Property Resale Value ⁴	\$5,600	\$10,820	\$22,440

Over the expected 30 year life of the system an owner can expect to save more than \$11,000 (2 kW), \$23,000 (4.kW) or \$47,000 (8 kW) on their electric bill if the cost of electricity increases just 2% per year.

Bottom Line: 8-Year Payback plus thousands in additional electricity savings...

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

1. Dependent upon state funding. FY 2014 Program effective July 1, 2013.
2. SREC sales assume yearly sales at 33% of Alternative Compliance Payment
3. Electricity costs assume \$0.12 per kWh in Year 1 rising by 2% per year thereafter
4. Property Resale Value assumes 20 x annual electricity savings