



Solar Store of Greenfield, 2 Fiske Ave, Greenfield MA 01301 413-772-3122

Sample MA Residential Photovoltaic (Solar Electric) System

1. To be eligible for Massachusetts Clean Energy Center (MCEC) rebate, you must be a customer of one utility: National Grid, NSTAR, Western Massachusetts Electric, Fitchburg Gas and Electric.
2. Is PV (Solar Electric) compatible with my site?
 - Is my roof south-facing and unshaded all day? Is my roof in good condition or will it need to be replaced soon?
 - Would a pole mounted system work?
3. Solar Site Assessment – Call the Solar Store of Greenfield to schedule - 413-772-3122
We will take photos and measurements of your solar site, discuss residential conservation and efficiency measures, and review your PV and/or Solar Hot Water system possibilities.
4. Depending on your electrical demand, space for PV installation, and financial considerations, We will design and quote you the cost of a PV system.

Possible Residential PV system costs for illustrative purposes

Roof mounted PV System	8.3 kW	5.3 kW	3.3 kW
Estimated Annual Electrical Generation	8155 kWh	5295 kWh	3244 kWh
Total Materials and Installed Cost (estimate)	\$46,259	\$34,010	\$22,927
ALL MCEC rebate adders (\$1.70 x system watts) *	\$8,500	\$8,500	\$5,712
FEDERAL tax credit (30% of total system cost) (may apply towards Federal tax liability til 2016) **	\$13,878	\$10,203	\$6,878
MA State tax credit (15% up to \$1000)	\$1,000	\$1,000	\$1,000
Cost after rebate and tax credits	\$22,881	\$14,307	\$9,037
Estimated Annual Avoided Electrical Costs (@13¢/kWhr)	\$1,114	\$688	\$426
Estimated Annual Solar Renewable Energy Credits (SREC) (30¢ - 55¢/kWh varies with market rates)***	\$2,387 - \$4,375	\$1,588 - \$2,912	\$913 - \$1,674
Simple Payback / Return on Investment	4 – 7 yrs / 15 – 23%		

* The MA Clean Energy Center Rebate is returned directly to you within 2 months of project completion. Will require W-9 form.

** We advise contacting a tax accountant for more details.

*** See www.ma.gov/doer and search "about the RPS Solar Carve Out"

The MA Clean Energy Center – 2011 Residential Rebate Matrix max \$1.70/W (max 5kW system)

80% solar gain	\$0.75/Watt base rate
Property value under \$300,000 OR Household (2 or more) income under \$95,420 (Individ \$75,810)	\$0.85/Watt adder
Include MA company components	\$0.10/Watt adder

Call MassSave **866-527-7283** Free energy audit, Free air sealing and 75% off insulation up to \$2000

We look forward to working with you!

Call 413-772-3122 to schedule your Solar Site assessment!