

Solar Power at Paul Revere Village?

How much would it cost and how much can I save?

Estimates calculated at <http://www.solar-estimate.org>

Customize Your Assumptions

Price Installed \$ per watt DC.

Provide % of my electricity, on average, over the course of a year.

Electric Rate: \$ /kWh

Monthly Electric Usage: kWh/Month This is 1541 kwh/year and costs \$180/month.

Utility Annual Inflation Rate: %

ESTIMATED SYSTEM SIZE

Solar Rating:	Good 4.33 kWh/sq-m/day
Solar System Capacity Required:	3.25 kW of peak power (DC watts)
Roof Area Needed: (Our roof size is about 345 sq-ft/side.)	325 sq-ft
Equivalent Annual Production:	3,806 kWh electricity

ESTIMATED SYSTEM COST

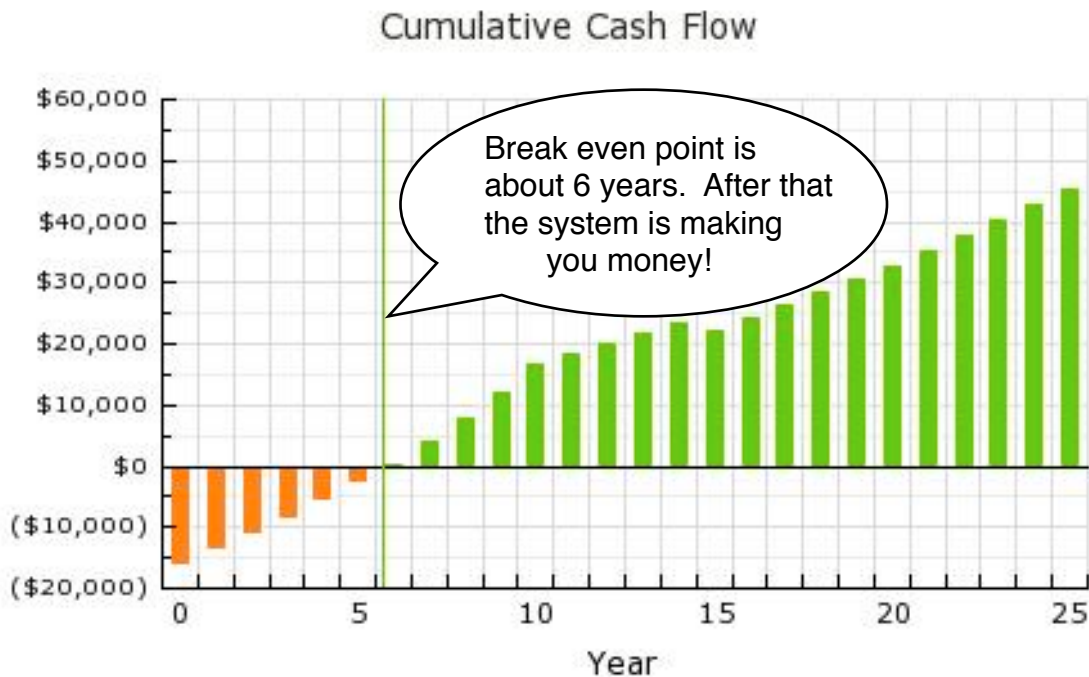
Assumed Installation Gross Cost: "Gross Cost" is the cost <u>before</u> any rebates, incentives, tax credits, etc. are applied. See the Cost Notes , below!	\$29,250 assuming \$9 per watt DC
MA DOER - Solar Renewable Energy Credits (SRECs) \$ 0.30 per kWh x 10 yrs. 10% escalation	\$ 20,005
MassCEC - Commonwealth Solar II Rebates (Residential base incentive)	\$ 3,250
Federal Tax Credit (30% of Gross Cost at Installation)	\$ 8,775
MA Residential Renewable Energy Income Tax Credit	\$ 1,000
ESTIMATED NET COST:	\$ -3,780
ESTIMATED NET COST AT INSTALLATION:	\$ 16,225

This is the out of pocket cost at installation.

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CASH FLOW



What is a Power Purchase Agreement?

There are solar companies which will upgrade your home to solar power with no money down. They pay the costs to install the panels and equipment. You agree to buy power produced by the solar panels that they install at a lower rate than the electric company would charge. They also maintain the panels and equipment. Typical savings are about 15% off your usual electric bill.

For people who are willing to spend a little money for installation they also offer plans where you pay more upfront, but save even more off your utility bill.

One such company is SunRun which has performed solar installations in Worcester.
<http://www.sunrunhome.com>

