

Solar Investment Benefits

Your solar PV system will provide many important benefits for decades to come, including insulation from unpredictable energy prices, increased home value, reduced carbon emissions and less overall demand on traditional utility power sources. In addition, your solar investment offers the opportunity for you to benefit from available state and federal financial incentives, which can make your solar investment even better in terms of payback period and cash flow.

Protection from Rising Energy Prices

Electricity rates across the U.S. increased roughly 20 percent between 2005 and 2008, according to the Energy Information Administration. Prices are predicted to continue escalating at a rate between 4 and 8 percent annually over the next 25 years. By investing in a solar PV system for your home, you are effectively protecting your family from the volatile costs of traditional energy sources. The table below provides a snapshot of what rising electricity costs could mean to a typical homeowner who does **not** invest in solar today.

Anticipated Escalation Rate % (price per kWh shown)		
Year	4%	8%
2010	\$0.09	\$0.10
2011	\$0.10	\$0.11
2012	\$0.10	\$0.12
2013	\$0.10	\$0.12
2014	\$0.11	\$0.13
2015	\$0.11	\$0.15
2020	\$0.14	\$0.21
2025	\$0.17	\$0.31
2030	\$0.20	\$0.46

Your Production

The energy your system will produce this year is about 3,090 kilowatt hours. Using your bills or comparing to a family of 4 in a 2000ft² home*, your system will supply 21% of your energy. Because your clean solar electricity is valued at a higher rate than the electricity you use, your system will produce 44% of your electricity cost.

*Source: Progress Energy

Environmental Benefits of Your System

This year and for each of the next 25 years
your system will eliminate...

Pounds of coal being burned: **2,502**

Pounds of sulfur dioxide: **20**
a leading cause of smog

Pounds of nitrogen oxides: **8**
a leading cause of acid rain

Pounds of carbon dioxide: **6,426**
a leading cause of global climate change

Over the life of your system, the CO₂
eliminated is equivalent to:

- planting **12,357** trees
- OR
- not driving **195,644** miles

Source: NC GreenPower

Increased Home Value

The U.S. Appraisal Journal reports that for every \$1,000 saved in annual utility expenses, a home's value increases by \$20,000. At today's electricity rates, the energy your system produces will add \$5,488 to the value of your home.