

SOLAR EFFICIENCY CHECK-LIST

Before installing a solar energy system assess your energy efficiency. Reducing demand is always more cost-effective than installing greater PV capacity. So before determining the size and installing a new solar PV or hot water system, review this list with your solar contractor. Visit www.pge.com/res/rebates for energy efficiency opportunities and rebates.

A. Before Installing a PV System

- | | Y | N |
|---|--------------------------|--------------------------|
| 1. Replace incandescent lights with compact fluorescent lights. Target 60-100W bulbs that are used several hours. | <input type="checkbox"/> | <input type="checkbox"/> |
| 4. Air seal air-handling ducts in unconditioned spaces with mastic. | <input type="checkbox"/> | <input type="checkbox"/> |
| 5. Install a programmable thermostat; winter setting: 55° at night or away from the home, Summer setting: 78°. | <input type="checkbox"/> | <input type="checkbox"/> |
| 6. Caulk around windows and doorframes; weather-strip windows and doors, air seal all accessible plumbing and electrical penetrations in the building envelope. | <input type="checkbox"/> | <input type="checkbox"/> |
| 7. Insulate your walls and attic; this can save about 25% of home heating bills. Upgrade attic insulation to R-49. | <input type="checkbox"/> | <input type="checkbox"/> |
| 8. Check the age and condition of major appliances, especially the refrigerator. Replace old appliances with energy-efficient models. | <input type="checkbox"/> | <input type="checkbox"/> |
| 9. Gas stoves should be equipped with an electronic ignition instead of a pilot light to reduce usage by roughly 30%. | <input type="checkbox"/> | <input type="checkbox"/> |
| 10. Plant shade trees and shrubs around your house, especially on the west side. | <input type="checkbox"/> | <input type="checkbox"/> |

B. Additional Measures Before Installing a PV System in an All Electric Building

- | | Y | N |
|---|--------------------------|--------------------------|
| 1. Replace stove with a gas stove or replace older burners with new energy saving models such as: solid disk, halogen or induction elements or radiant elements under glass | <input type="checkbox"/> | <input type="checkbox"/> |
| 2. Evaluate the possibility of replacing an existing electric water heater with natural gas, propane, solar, or tank-less/ on-demand water heaters. | <input type="checkbox"/> | <input type="checkbox"/> |

C. Before installing a Solar Hot Water System

- | | Y | N |
|---|--------------------------|--------------------------|
| 1. Turn water heater temperature down to 120° and install a water heater insulation jacket (if water heater is over 5 years old). | <input type="checkbox"/> | <input type="checkbox"/> |
| 2. Install water-conserving showerheads and faucets throughout the house/business. Check for, and repair, water leaks throughout your property. | <input type="checkbox"/> | <input type="checkbox"/> |
| 3. Install an H-axis clothes washer; the substantial energy and water savings can translate into big money savings and a quick return on your investment. | <input type="checkbox"/> | <input type="checkbox"/> |

Additional considerations: _____

I have reviewed this list with my contractor and have considered all possible efficiency adjustments:

Customer's Name (print): Last First Signature Date

Contractor's Name (print): Last First Business Name Signature Date