

e-solar properties

Built to Be Better

Special points of interest:

- Energy Star Qualified Lighting
- Light bulbs and fixtures that have earned the *Energy Star* last up to 10x longer and use 2/3 less energy
- Solar Roof Power Plant generates 60% of this home's electricity

LEED Leadership in Energy and Environmental Design

This is a LEED home and has received the highest Home Energy Rating System (HERS) grade from the NJ Energy Star Program of "5 Stars Plus" for energy efficiency.

It will also save on heating and air conditioning due to highly efficient insulation and improved construction methods. Based on the "Residential Energy Analysis and Rating Software", this home should save \$5300 compared to an average reference home. See Financial Benefits to the right.

 Performance tested to prove it

Value

According to the US Green Building Council:

As electricity costs rise, so will the price of gas, water, and oil. The demand for Green Homes will increase dramatically within the next 3 to 5 years...

The RESALE VALUE of your Green Home is expected to be more valuable than that of conventional homes of the same size in the same neighborhood.



Financial Benefits

- 1) Because this house is energy efficient, the owner will save about **\$5300** per year based on current energy costs, which are expected to go up in the future. Over 40 years, this savings would be at least \$200,000.
- (2) Solar electricity is free! The Solar Roof Power Plant at 1221 Prospect Street Westfield NJ is 6150 watts in capacity. On average, it will generate about 7500 Kilowatt hours (KWHRS) of electricity per year. At current rates of 17.5 cents per KWHR, the Solar Roof Power Plant saves \$1300 per year in electric costs which equals about 40% of this home's electric bill with the remaining being provided by the utility company.
- (3) The Solar Roof Power Plant also qualifies for 7 New Jersey Green Tag credits (1 credit per 1000 (KWHRS) with a market value of about \$400 per credit, or \$2800, which the local utility has to buy from the home owner.
- (4) Besides the Solar Roof Power Plant, the heating and air conditioning system and insulation materials are more efficient than required by code. Based on an industry standard computer model program, this house saves about \$1200 in home appliance energy and heating/cooling costs.

This is why the USGBC believes green homes are worth more.

Contact Paula Golbin at 908-565-0650 for further information.