



SENTINEL

# Home Solar Assessment

Prepared for: Your name

Prepared on: This date

Property address: Your address

## Overall Home Solar Potential

Great news - you've got **EXCELLENT** home solar potential. We explain why below.

## Space & Sunlight

We're looking for open, unshaded roof space which faces south, east or west or open unshaded space on your property.



Based on our analysis, the best roof plane to install solar panels is the southeast-facing roof space on the front of your home. If you need more solar power, a second option is the southwest facing roof above your garage. This roof space will get some morning shading from the tree in front of your home and some shading from your main home in the afternoon, but can still be an effective space for solar panels.

Based on your roof space, shading and orientation, we believe that you will be on the [higher end](#) of the financial estimates on the next page.

*We use the most recent aerial imagery available to assess your roof and property, but we know things change. If your property has changed or is different from the image above, please contact us at [info@sentinelsolar.energy](mailto:info@sentinelsolar.energy), let us know what has changed and we'll update your assessment.*

## Dollars & Cents

In 2021, the average home solar system installed in New Jersey was 9 kilowatts (kW). A 9kW system would supply most of a typical home's needs. Based on that size, here's what you can expect.

<b>COST</b>	The cost to install a home solar system depends on many factors such as system size, solar panel type and brand, difficulty of installation and contractor pricing.	Home solar cost <b>\$25,000 - \$30,000</b>
<b>REBATES</b>	Home solar systems are eligible for a 26% Federal Solar Tax Credit.	Federal tax credit <b>\$6,500 - \$7,800</b>
<b>INCENTIVES</b>	For every Megawatt-hour (MWh) of solar energy generated, you will receive one SREC worth \$90. You will receive these incentive payments for 15 years.	Monthly SREC income <b>\$65 - \$85</b>
<b>MONTHLY ENERGY SAVINGS</b>	The higher your utility electricity price and the more solar energy you generate, the more you save. Electricity prices in NJ are \$0.16 per kilowatt-hour (kWh) compared to the national average of \$0.13 per kWh.	Monthly energy savings <b>\$120 - \$170</b>
<b>MONTHLY LOAN PAYMENT</b>	Many loan options are available to finance the purchase of a home solar system including 0% down and low interest loans.	Monthly loan payment <b>\$140 - \$180</b>
<b>PAYBACK</b>	This is how long a home solar system will take to pay for itself through energy savings and incentive payments.	Payback period <b>6-9 years</b>
<b>INCREASE IN HOME VALUE</b>	<a href="#">A Zillow study</a> has shown that home solar increases your home's value	Increase in home value <b>+4%</b>

Why are our financial estimate ranges so wide? Each home and homeowner are unique and dozens of variables affect these values. We provide specific estimates in our Home Solar Design Service which is customized to your home, energy needs and budget.

## Getting Home Solar Installed

In 2021, 70 different solar contractors installed home solar systems in New Jersey. With this many options, you'll be able to get multiple competitive quotes for your home solar project and have several options for solar panels, other equipment and financing to choose from.

## Upgrades

These are some home upgrades that are commonly paired with home solar.

### HOME BATTERY (optional)

A home battery can provide power when the sun isn't shining, or you lose power from the utility. Home battery cost depends on what you want your home battery to do

Typical Cost Range  
\$5,000 - \$25,000

Eligible for Solar Tax Credit?\*

Yes, if installed within  
1 year of home solar

### MAIN PANEL UPGRADE (may be required)

Your home's electrical panel may need to be upgraded to accommodate solar. If you get a home battery, you'll typically need a main panel upgrade or to add a sub panel

Typical Cost Range  
\$2,000 - \$3,000

Eligible for Solar Tax Credit?\*

Yes, when installed with home solar

### NEW ROOF (may be required)

Your home solar system will last for 25 years or more. Removing a home solar system to repair or replace your roof will cost thousands of dollars. If your roof is on the older side, consider replacing it.

Typical Cost Range  
\$8,000 - \$15,000

Eligible for Solar Tax Credit?\*

Sometimes – consult your tax advisor

*\*Consult your tax professional to see exactly what eligible for the Federal Solar Investment Tax Credit.*

## Impact on the Environment

Homeowners who go solar have a powerful positive impact on the environment. A typical home solar system in NJ will have the following environmental impact\* over its lifetime:



*\*Source [EPA Greenhouse Gas Equivalencies Calculator](#)*

### Get the right home solar system custom designed for you!

Sit back and relax while we custom design a home solar system for you. Choose from our list of prescreened local contractors and get quotes delivered to you. We even assign a dedicated energy advisor to answer any questions you have and help you make sense of the quotes.

It's all included in our Home Solar Design Service. [Learn more here.](#)