





As you know, solar energy is created from the sun. Solar panels (photovoltaic cells) are used to convert sunlight into electricity. The thing that is really great about solar energy is that it provides an indefinitely renewable energy source (the sun is not going to go out any time soon).

Solar panels are extremely reliable and require little maintenance mainly because they have no mechanical parts that can fail. In addition, they produce energy silently.

There are many reasons that you should consider solar now:

- ◆ **Save money** - In many cases, our customers pay less for their electricity from day one. Plus the government kicks in cash to help you pay for your system.
- ◆ **Use your tax dollars on yourself** - If you pay taxes, it's very likely that you can benefit from generous federal and state tax credits.
- ◆ **Help the environment** - By producing your own electricity, you leave no carbon footprint.
- ◆ **Protect yourself** - Practically every year, utility companies raise their rates. With solar, you're protected against utility inflation, you know what you are paying or have paid. The amount doesn't change. Plus, system payback is usually quick, and when it's paid-off, you really rack-up the savings.



George Denmark - President



"Twin Tier Solar and Wind is an established and respected company. We are local to the Southern Tier, based in Elmira Heights, and all of our employees live, work and contribute in this area. We believe in solar, we use it at our headquarters, and we stand behind our work."

- George E. Denmark II

Twin Tier Solar and Wind is an experienced and well-qualified solar installation company. To date, we have installed more than 138MW of solar in the Southern Tier Area of New York. That's enough solar to power about 20,000 homes. We've installed solar for large solar farms, commercial businesses and residential.

We are headquartered in Elmira Heights, and we have an office in Ithaca as well.

- ◆ We hire locally and support the local economy
- ◆ Our project managers and installers are extremely knowledgeable and highly trained
- ◆ We sell proven, high-quality products
- ◆ We stand behind our work

Our parent company, **John Mills Electric** is an established staple in the Southern Tier, and has been in business since 1946. The company employs approximately 200 electricians.



It's good to have an established electrical contractor on your team when it comes to solar.

With Twin Tier Solar you can rest assured knowing that:

- ◆ You're system incorporates the best materials
- ◆ You're system has been installed by highly trained and experienced professionals
- ◆ You're system is backed by a local and established company

What does it cost?

Over the past few years, solar has become very affordable. Most customers can benefit from the rebate offered by the New York State Energy Research and Development Authority (NYSERDA), and if you pay taxes, there's a good chance that you can take advantage of federal and state tax credits.

Additionally, given the rising cost of electricity, many solar customers will break even on their investment within just a few years, and enjoy many years of small electricity bills.

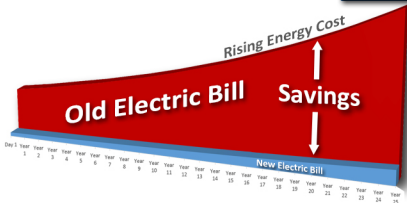
Example: Typical residential solar system cost breakdown:

Solar System size (based on usage history): 7040 watts (7.04KW)
Electricity Produced: 7750 kWh/year

\$25,182	This is the actual total system cost . Includes all materials, labor and warranties.
(\$ 1,056)	This is the amount that NYSERDA would pay on your behalf (At the time this publication was printed, the rate was @.15/watt. This rate decreases periodically.)
\$24,126	This is the cost to you at the time the system is installed.
(\$ 7,238)	This is the amount that you could be eligible for as a federal tax credit when you file your yearly tax return.
(\$ 5,000)	This is the amount that you could be eligible for as a state tax credit when you file your yearly tax return.
\$ 11,888	Final Net Amount once rebate and credits are applied.

Financing: Many solar customers decide to secure financing through their bank or credit union for the purchase of their solar system. Depending on the customer's financial situation, and financial institution offerings, this approach may have additional benefits.

NOTE: Twin Tier Solar does not provide financial or tax advice. Before purchasing a solar system, consult your financial and tax professionals.

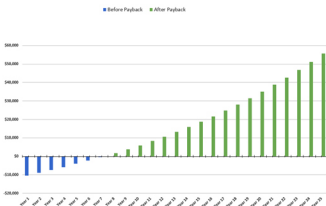


When designing a solar system for you, we will always try to decrease your electric bill as much as possible. In many cases, the solar system will take care of all of your electricity needs.

In considering the example on the previous page, assuming that this customer can realize all of the tax benefits, the final net amount that they will pay would be \$11,888.

Given that their solar system would be covering almost all of their electric bill, the system will have paid for itself in approximately 7 years.

Their solar system could last well beyond the warranty period, but if we look at the savings picture for the system up to a 25-year warranty period, it would look something like this:



In this particular customer example, the customer would break even seven years after they had installed their solar system. After 25 years, their electric utility savings would approach \$60,000.



What's the process?

You've decided that you're interested in solar. Now what?

1. Initial Assessment and Proposal

- ◆ Through software, we do a preliminary visual assessment of your property to see if you are a good solar candidate.
- ◆ You provide us with some information from your electric bill so that we can determine the size of solar system you need based on your historical usage.
- ◆ We generate a proposal/contract, and discuss the proposal with you. If solar looks like a good option and you want to move forward, you sign the proposal and we proceed.

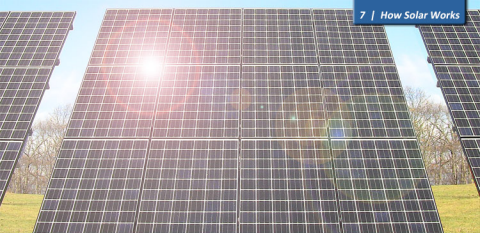
2. Pre-installation activities

- ◆ We prepare your NYSERDA application, and when ready, you sign that for submission, and we collect your down payment.
- ◆ We perform a site survey of your property to make sure it is suitable in terms of shade, structure, electric and lot configuration for a solar installation.
- ◆ We submit rebate forms to NYSERDA, and acquire any required city permits and approvals for construction.
- ◆ We purchase all materials needed for your solar system.

3. Installation

- ◆ Once all approvals have been received, and materials have been delivered, we install your system.
- ◆ The electric company installs their net meter.
- ◆ The final electrical inspection is performed and we collect the remaining balance for your system.
- ◆ YOU ARE UP AND RUNNING WITH SOLAR!

Timeframe: The entire process usually takes from 7-14 weeks depending on how long it takes to get approvals and the net meter installed.



The Sun

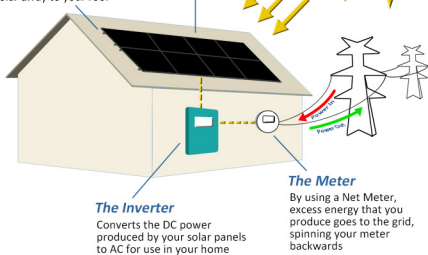
The sun provides an endless supply of renewable energy

Racking

System designed specifically to attach the solar array to your roof

Solar Array

Solar Panels (PV) convert sunshine into electricity



The Inverter

Converts the DC power produced by your solar panels to AC for use in your home

The Meter

By using a Net Meter, excess energy that you produce goes to the grid, spinning your meter backwards

Net Metering Benefit

The goal of any solar installation is to reduce, and ideally eliminate your electric bill. When the sun is shining, your solar panels will produce electricity. When the sun isn't shining, you will use electricity from the utility grid.

A net meter allows for electricity produced by your panels to offset what you are using from the grid. When the solar power generated exceeds what you've consumed from the grid, your electricity bill is minimized.



The Problem

The environmental problems facing our world today; climate change, air pollution, oil spills and acid rain, result from our dependence on fossil fuels.

Fossil fuel emissions produce heat-trapping gases that are the main cause of the escalation in global atmospheric temperatures. Despite global warming indicators, oil companies continue to exploit increasing human energy needs and constantly look for untapped oil and gas sources.

The Solution

- ◆ Manage and Reduce Emissions
- ◆ Increase Energy Efficiency
- ◆ Buy Renewable Energy

The Impact of Solar

Yeah, yeah, yeah... you hear this all the time. "How can I make a difference," you ask? The answer: **Install a solar system.**

Over the life of an average 6600 watt residential solar system, 163 tons of CO₂ will be eliminated from your carbon footprint.

That's the equivalent of:

Planting
3,798
Trees



Reducing your driving
by 326,000 miles, or
saving 16,626 gallons
of gas



Recycling 515 Tons of
waste, instead of
sending it to a landfill

Reducing the coal
being burned by
158,831 pounds
(79.4 tons)





"I honestly could not be more happy with the work that Twin Tier Solar did. Everything was done professionally from top to bottom. Their people were great, and everything worked out exactly as I was told it would."

- Dr. William Muuse,
Horseheads, NY

"At Tanglewood Nature Center, one of our primary interests is caring for the environment. As a solar company, Twin Tier Solar shares this interest. Twin Tier did a wonderful job on our solar system, it's working perfectly, and it feels great knowing that we're helping the environment each day."

- Elaine Spacher
Elmira, NY

"We were extremely pleased with the entire experience we had with Twin Tier. They were very attentive and informative throughout the entire process... from the initial meeting through the final sign-off. The system is working beautifully, and we look forward to using the money we're saving for other things."

- Earle Reome
Vestal, NY

"The design for our home was great and the integration with the grid is excellent. Twin Tier addressed the questions I had in a timely and accurate way, and the installation has been trouble and maintenance-free. In a nutshell, the experience has been superb."

- Dr. Guerry Howard
Elmira, NY



Bath, NY
9.54kW



Buffalo, NY
365kW



Horseheads, NY
9.9kW



Lowman, NY
5.13kW



Burdett, NY
7.98kW



Ithaca, NY
8kW



Elmira, NY
15kW



Horseheads, NY
5.57kW



For individuals and businesses wanting to save money on their energy bills, and at the same time recapture some of their federal and state income taxes, Twin Tier Solar and Wind provides the comprehensive alternative energy solutions that you are looking for.

Twin Tier constantly seeks out the best and latest solar and small wind technologies and provides them to customers at a competitive and affordable price.

Unlike other alternative energy companies, Twin Tier uses only high quality products, installed by our own professionally trained technicians, ensuring that our customers get the very best product possible.

Visit us today at www.ttsolarandwind.com.

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