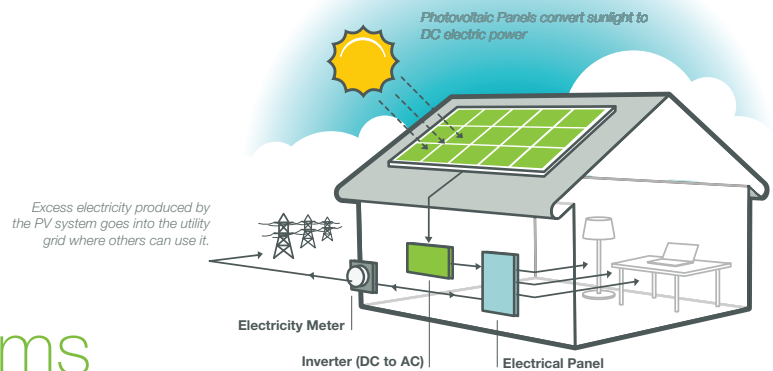




Powered by the Sun



Photovoltaic Systems

Photovoltaic, or PV, systems convert sunlight directly into electricity that can serve a portion of your electrical needs. PV systems are connected to your electrical service panel and are used to supplement your existing utility service. When the PV system is generating more electricity than you use, it is as if the meter spins backward, and you will receive a credit for the excess power from your utility. This process is known as net metering. With proper location, a PV system works anytime the sun is shining. It works best when facing south and must not be shaded by trees, nearby buildings or other obstructions.

Benefits

- PV systems are gentle on the environment. In contrast with electricity generated by fossil fuels, PV-generated electricity creates no noise, air or water pollution
- Provides long-term stabilization of electrical costs
- When combined with a battery backup system, a PV unit can provide you with power when utility power is out
- NYSERDA provides incentives for up to 7 kW or less for residential and 50 kW or less for commercial sites (nonresidential)
- Additional federal and state tax credits may apply*

Cost

A 7 kW system will produce about 8,200 kWh of electricity annually. A typical New York State residential home uses about 9,500 kWh annually. For a typical 7 kW PV residential system, the approximate installed cost is \$35,000 before incentives.

NYSERDA's PV Incentive Program can assist with up to \$9,800 in incentives for a residential PV system with additional reductions through federal and NYS tax credits, if eligible.*

Savings

A 7 kW PV system located on a south-facing roof can typically offset 70–80% of a home's electricity needs. When combined with improving energy efficiency, the savings on your electric bill can be even more significant.

Your savings will depend on:

- how much electricity you use
- the size of the PV system
- how sunny the local area is
- the orientation of the PV panels
- how much you pay for electricity

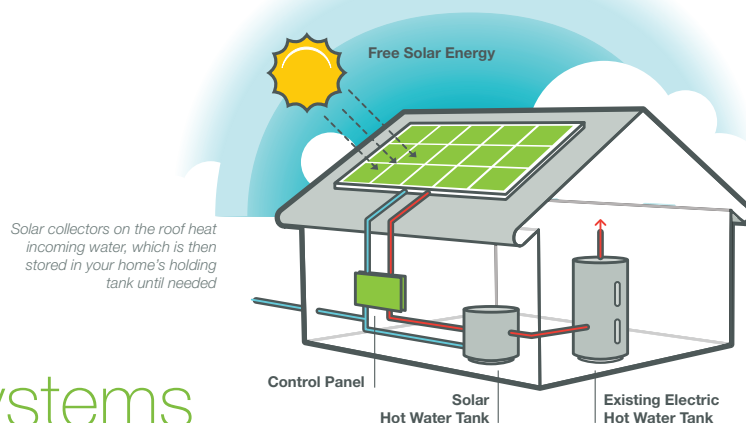
For more information or to find an eligible PV installer
visit nyserdera.ny.gov/solar or call 1-866-NYSERDA



*You may qualify for up to 30% federal and 25% (up to \$5,000) of New York State tax credits for your primary residence. (Always consult with your qualified tax professional or accountant to determine your eligibility for tax credits.)



Powered by the Sun



Solar Hot Water Systems

Solar Hot Water systems use the sun's energy to heat water. A typical system consists of roof-mounted solar collectors, which heat water to a certain temperature. The hot water is then stored in your home's existing electric hot water tank, ready for you to use.

Benefits

- Can reduce your home or business' electric bill by up to 20%
- Because the sun is "free," you enjoy sustained savings
- Homeowners can receive up to \$4,000 in NYSERDA incentives
- Business owners can receive up to \$25,000 in NYSERDA incentives (per site)
- Additional federal and state tax credits may apply*

Cost

A typical New York State home with an electric domestic hot water tank uses approximately 3,500 kWh annually to heat their hot water. The cost of a standard two-panel system before incentives is \$9,500 to \$11,000. When you apply NYSERDA incentives, along with state and federal tax credits, the same system will cost \$2,925 to \$4,000*. Add on your monthly energy savings and you can see why Solar Hot Water is So Hot.

Savings

A two-panel Solar Hot Water system will save about 2,800 kWh of electricity annually.

The NYSERDA Solar Hot Water (Solar Thermal) Program provides financial incentives to qualified residential and commercial customers who wish to install a solar hot water system using an eligible contractor. The systems are designed to supplement existing electric hot water heaters, and can provide up to 70% of the hot water your home or business needs.

Choosing NYSERDA

In addition to financial incentives, when you choose a NYSERDA eligible installer you can rest easy knowing you're working with experienced professionals.

Think you're ready to get into Hot Water with NYSERDA?

Visit nyserdera.ny.gov/solar to find an eligible installer or call 1-866-NYSERDA



nyserdera
Energy. Innovation. Solutions.

*Home and business owners may qualify for up to 30% federal tax credits. An additional 25% in New York State credits (up to \$5,000) are available for primary residences. (Always consult with your qualified tax professional or accountant to determine your eligibility for tax credits.)

NYSERDA incentives are currently available for customers that heat their hot water with electricity and new construction projects that will use electric as backup.