

# Solar Thermal (Hot Water) Program

## PROGRAM OVERVIEW

Supplement your domestic hot water system with a solar hot water system and reduce your energy bill and your carbon footprint. Right now, NYSERDA's Solar Hot Water Program support and state and federal tax credits make it an affordable option for homeowners and businesses across New York State\*.

### Solar Hot Water systems can:



Provide up to 70 percent of the hot water your home or business needs



Reduce your electric bill by up to 20 percent if you use electricity to heat your domestic hot water.



Qualify you for financial support through NYSERDA



Earn you or your business tax credits

To learn more call 1-866-NYSERDA or visit [solarhotwater.nysERDA.ny.gov](http://solarhotwater.nysERDA.ny.gov)

\*Home and Business owners may qualify for up to 30% federal tax credits. An additional 25% in New York State tax 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**

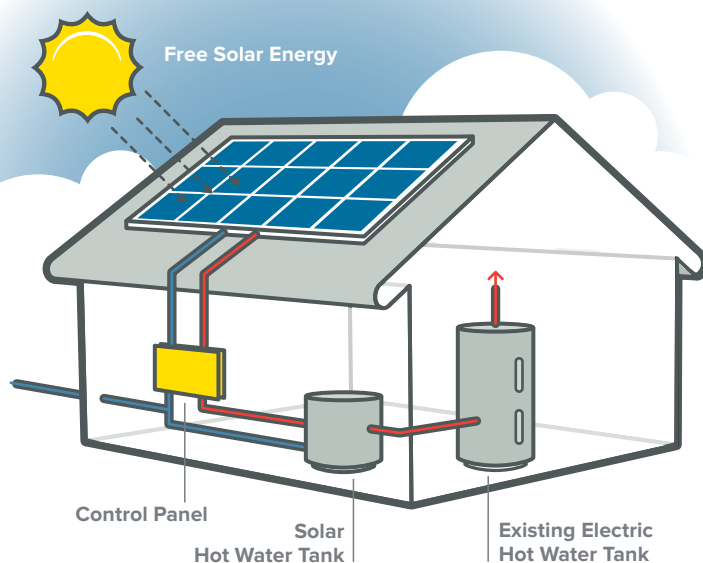
### What exactly is solar hot water?

Solar hot water is a renewable alternative to the power we generate with fossil fuels like coal and natural gas. It uses the sun's heat energy to produce hot water for use in your home or business. Think of it as a high-tech version of the water inside of a garden hose being warmed by the sun.

### How does solar hot water technology work?

A typical solar hot water system consists of roof-mounted solar collectors. Cold water from your home is carried to the collectors via pipes and heated by the sun's energy. Once the water is hot enough, it flows back down into your home's hot water tank, ready to be used.

*Solar collectors on the roof heat incoming water, which is then stored in your home's holding tank until needed*



### What are the real savings?

Calculating the actual savings of a solar hot water system depends on a number of factors, including the cost of energy, how much sun your home "sees," as well as the amount of hot water you use. However, when you consider that a typical residential solar hot water system can provide 50%-80% of the energy needed to heat domestic hot water, you get an idea of why solar hot water is So Hot.

### Why work with a NYSERDA-eligible installer?

In addition to financial support, when you choose a NYSERDA-eligible installer for your solar hot water installation, you can rest easy knowing you're working with experienced professionals. They will answer all your questions, and help identify the forms and other paperwork you need to complete in order to qualify for tax credits and other support.