



# New York solar energy

What is New York State doing about solar?

Since 2011, NY-Sun, New York State's \$1.8 billion initiative to advance the scale-up of solar and move the State closer to having a sustainable, self-sufficient solar industry, has: Committed \$30 million for projects benefiting environmental justice and disadvantaged communities. New York State's Nation-Leading Climate Plan

Will New York state's solar industry grow?

This action will not only grow New York State's solar industry, but allow for a greater number of households, including low-income households, to benefit from community solar projects across the state. New York State's Nation-Leading Climate Plan

Should you go solar in New York State?

At first glance, New York State and rooftop solar don't exactly feel like a natural pairing. The Empire State isn't exactly known for sunshine, but between sky-high utility rates and some of the country's best state-level solar incentives, going solar in New York State is a great long-term investment. In this article we'll cover:

Does New York State have a community solar market?

New York State Energy Research and Development Authority President and CEO Doreen M. Harris said, "As the top community solar market in the nation, New York State has provided a replicable model for others to deliver clean, low-cost renewable energy to more consumers."

Is New York a top-tier solar state?

"We applaud Governor Hochul's leadership in positioning New York as a top-tier state for solar growth and building upon its status as a leading community solar market." said Kaitlin Kelly O'Neill, Northeast Regional Director for the Coalition for Community Solar Access.

How many solar projects are there in New York?

There are currently over 114,000 NY-Sun supported projects and nearly 6,000 in the NY-Sun pipeline, which are complemented by 73 New York State-supported utility-scale solar projects under development throughout the state - together, these projects will deliver enough electricity to power more than 2.2 million homes once completed.

Alliance for Clean Energy New York Executive Director Anne Reynolds said, "New contracts for 22 wind, solar, and hydroelectric projects, plus for three major offshore wind energy projects, is good news for New York's environment and electricity system. Building these projects will mean construction jobs for laborers, electricians, and other ..."

New York State's Climate Leadership and Community Protection Act (CLCPA) calls for 70 percent of the



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State's electricity to come from renewable sources by 2030 and 6,000 megawatts of solar by 2025. NY-Sun, New York's solar initiative advances the scale-up of solar and is moving the State to a more sustainable, self-sufficient solar industry.

Natural gas, hydropower, and nuclear energy have consistently generated more than 90% of New York's electricity during the past decade. Renewable resources, including solar energy, from both utility-scale (1 megawatt and larger) and small-scale (less than 1 megawatt) installations, as well as wind and biomass, provided almost all the rest of New York State's ...

In New York, new solar energy systems for use on residential property are exempt from state sales/use tax. The exemption applies to solar PV, water heating, and HVAC systems, but not to pool heaters. Cities and county governments may enact local sales/use tax exemptions adding to state incentives. In cities of more than 1 million people, these ...

Governor Kathy Hochul today announced that 6 gigawatts (GW) of distributed solar have been installed across New York, marking the early achievement of the State's Climate ...

New York solar systems range between 5 kW and 7 kW on average, totaling to solar panel costs between \$13,400 and \$25,340, based on the numbers above. Remember that the system size will also affect ...

A zero-emission electricity system will use renewable energy to power our homes, schools, places of work, and vehicles. By 2030, New York will have 10,000 megawatts (MW) of distributed solar energy across the State. Between rooftop panels and community solar projects, the benefits of solar energy are accessible to all New Yorkers.

Do New York Solar Incentives Make It Affordable for Homeowners to Go Solar? Yes, absolutely. There are many ways to save money when switching to solar energy in New York, but taking advantage of the available incentives is one of the best ways to bring costs down.. The average cost of a solar electric system in New York State is around \$22,880 ...

As a New York State resident, you'll be happy to hear that the Empire State's sunshine is strong for solar. New York solar panels and home batteries already create enough electricity to power more than 470,000 homes. 3 What's more, thanks to the costs of rooftop solar panels and battery storage systems at an all-time low, 3,4 it could be incredibly cost-effective to team up with a ...

With New York top in the nation for total community solar installs and overall installs in 2021, we are supercharging our power supply- putting us on track to go bigger with renewable solar energy.&quot; Executive Director of New York Solar Energy Industries Association Zack Dufresne said, &quot;NYSEIA applauds New York State for becoming the national ...

When comparing apples-to-apples, solar electricity - even with battery storage - is substantially cheaper than



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grid electricity in New York State. Going solar also fixes your electricity costs at a low rate - sort of like buying a house to hedge against the constantly rising cost of rent.

New York Solar Energy Industries Association Executive Director Zack Dufresne said, "Today's news is evidence that New York's bold investments in solar energy are rapidly paying dividends. New York's achievement of 4 GW of installed distributed solar demonstrates the success of the nation-leading NY-Sun program and the impact that market ...

New York State Energy Research and Development Authority President and CEO Doreen M. Harris said, "As the top community solar market in the nation, New York State has provided a replicable model for others to deliver clean, low-cost renewable energy to more consumers. Our public-private partnerships are the catalysts which have helped us to ...

"This exciting new commitment to local solar in New York, combined with New York's planned procurement of grid-scale renewables, demonstrates that the Empire State is serious about climate action and reaching 70% renewable energy by 2030, said Anne Reynolds, Executive Director of the Alliance for Clean Energy New York. "The clean energy ...

The current net energy metering transition program credits you at the full-retail rate for excess energy sent to the grid, and New York has two awesome solar incentives: aside from the 30% federal solar tax credit, New York state homeowners can also take advantage of the New York State solar tax credit, which is worth up to \$5,000.

Governor Kathy Hochul today announced New York is one of 60 applicants selected to receive funding by the United States Environmental Protection Agency through the \$7 billion federal Solar for All grant competition for solar projects benefitting low-income New Yorkers. The state is expected to receive nearly \$250 million to expand New York State's national ...

New York leads the U.S. in community solar capacity, with more than 800 projects operating as of 2023. Read More. All Programs. Solar Program (NY-Sun) ... NYSERDA offers objective information and analysis, innovative programs, technical expertise, and support to help New Yorkers increase energy efficiency, save money, use renewable energy, and ...

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Energy Patterns and Trends. In November 2023, the Energy Analysis program published Patterns and Trends - New York State Energy Profiles: 2007-2021 [PDF], a comprehensive storehouse of energy statistics and data on energy consumption, supply sources, and price and expenditure information for New York State. For a bound copy of this report, please call Kathleen Brust at ...



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The New York Solar Guidebook has information, tools, and step-by-step instructions to support local governments managing solar energy development in their communities. The Guidebook contains chapters on various solar energy topics, the ...

The average New York homeowner needs a 11.35 kW solar panel system to cover their electricity needs, which comes out to \$33,071 before incentives. Prices range from \$28,110 to \$38,032, but after the federal tax credit, that drops by 30%, and New York has some great local incentives as well. While this may sound high, it will pay off in New York.

This Roadmap is an ambitious investment in New York's clean energy future, and while there are many details yet to be reviewed and discussed, NYSEIA looks forward to working with the New York State Energy Research and Development Authority and the Public Service Commission on collaborating to meet New York's laudable distributed solar and ...

NY State Solar has been one of the leaders in working through the New York State Energy and Research Authority (NYSERDA) to use available state-backed financing programs to help New York's homeowners finance and install rooftop solar systems on their homes.. NYSERDA actively promotes energy efficiency and the use of renewable energy sources throughout New York ...

Governor Hochul has also directed the Port Authority of New York and New Jersey to begin construction of New York State's largest customer-sited solar plus storage project: a solar carport canopy at JFK Airport, also the largest solar carport in New York State. The combined 12.3-MW solar energy installation will include 7.5 MW of battery ...

In addition to electricity savings, solar and battery storage can increase the value of your home - especially in New York State. Data analysis by Zillow found that homes with solar panels in New York City sell for 5.4% more than comparable homes without them.

The New York Solar Guidebook is a compilation of information, tools, and step-by-step instructions to support local governments with the development, installation, and maintenance of solar energy projects in their communities. This guide covers the most pressing issues in New York State's solar market today, addressing topics such as:

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In early 2019, New York state governor Andre Cuomo unveiled an ambitious plan to push the state into new clean energy heights, aiming to become completely carbon-neutral by 2040. "This plan can bring massive economic and environmental benefits to communities throughout the state, spurring many new, well-paying



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jobs and cleaner air," said Sean Gallagher, vice ...

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