



Photovoltaic (Solar) Energy System Information



Solar Basics

The amount of sunlight that strikes the Earth's surface in an hour and a half is enough to handle the entire world's energy consumption for a full year. Rooftop solar panels allow homeowners to harness that sunlight to power their homes with renewable energy, which is beneficial for both the environment and utility bills.

Solar radiation is light – also known as electromagnetic radiation – that is emitted by the sun. While every location on Earth receives some sunlight over a year, the amount of solar radiation that reaches any one spot on the Earth's surface varies. Solar technologies capture this radiation and turn it into useful forms of energy.

Using solar power instead of conventional forms of energy reduces the amount of carbon and other pollutants that are emitted into the environment. Reducing the amount of carbon in our atmosphere translates into less pollution and cleaner air and water.



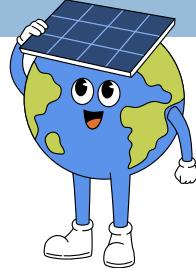
- Review the Solar Checklist created by Naperville's Transportation Engineering and Development Department
- Review the US EPA's Homeowner's Guide to Solar webpage at energy.gov/eere/solar/homeowners-guide-solar
- Consult with a few contractors to ensure you choose the right fit for your home



Photovoltaic (Solar) Energy System Incentive Program

General program information

Residential solar incentives will be up to \$1,750 and the lesser of:



- \$250 per kW AC at the inverter
- 50% of project costs excluding taxes, permit fees, and other incentives received. Does not include additions such as batteries, monitoring systems, etc.

Incentives are issued as checks to the ratepayer.

No incentives awarded until the project is complete and paid for, system is operational and has passed final inspection by the City of Naperville. Applications are not considered complete until all required documentation is received.

What are the eligibility requirements?

Residential customers of the electric utility and the owners of their residence are eligible for incentives. You will need to provide your utility account number when applying. 100% complete applications with required documentation must be received within 120 days of passing final inspection. Solar systems must be owned and not leased.

Eligible applicants must be a contributor to the Renewable Energy Program at time of application to qualify for the incentive and are required to continue contributing a minimum of \$5 per month for at least 5 years following the award.

What do I need to do?

Have a solar energy system permitted by the City of Naperville and installed by a qualified contractor.

Fill out the application via the GOVQA portal. If you run into issues with the portal or require an alternative, please contact the program administrator.

Once an application has been submitted and the incentive application is fully processed, customers will receive their incentive within two months.

Required Documentation

- Solar Systems Specification form completed and signed by installer
- A copy of your FINAL dated, itemized, paid invoice
- Copy of project contract
- Proof of contribution to Renewable Energy Program (utility bill)

Be prepared to provide the following information:

- Homeowner name and address
- Utility account number
- Installation date and contractor, contract signing date
- City of Naperville permit number
- System size in kW AC
- Number of panels in system
- Panel manufacturer and model number



Application Portal

https://napervilleil.mycusthelp.com/webapp/_rs/requestopen.aspx?rqst=115

Program Administrator

Payton Schield, Sustainability Specialist

SchieldP@naperville.il.us | 630-305-5357

400 S. Eagle St, Community Services Department



Solar Incentive: FAQ



Can my system be larger than 7 kW AC?

Yes, rooftop solar systems can exceed 7 kW AC, but the incentive only considers up to 7 kW AC with the \$250/kW AC with a maximum award of \$1,750. If your system exceeds 7 kW AC, it is eligible for the maximum incentive amount of \$1,750.

What is the difference between DC and AC?

Direct current (DC) continually runs in a single direction, which makes it difficult to convert to higher or lower voltages. Alternating current (AC) on the other hand reverses current, making conversion to higher or lower voltages possible using a transformer.

Panels in a photovoltaic (solar) energy system capture the suns energy in DC and invertors convert this energy to AC. The City's incentive is based on a systems kW AC size.

Can I get the IL Shines incentives and the Naperville incentive?

Residents can take advantage of both the City incentive and the IL Shines incentive. The IL Shines incentive must be indicated on applicant invoice or contract.

I have gotten this incentive in the past but want to expand my solar system capacity. Can I get another incentive?

No. The limit of the solar incentive is one incentive per household.



Solar Incentive: FAQ



Who do I contact regarding permitting and inspections?

Visit the Permits and Licenses webpage on the City website. Permits can be applied for using the Civic Access Portal.

Permit Inquiries: Call (630) 420-6100, option 2 or send an email message to buildingpermits@naperville.il.us

Inspection Inquiries: Call (630) 420-6100, option 1

Who do I contact regarding Net Metering?

For more information, visit naperville.il.us/services/electric-utility/powering-our-community-for-the-future/solar-panel-guidelines/

Alternatively, contact Vince Amari, amariv@naperville.il.us or Tim Felstrup, felstrup@naperville.il.us with the City of Naperville Electric Utility.

Where can I find the Solar Specification Form?

You can find the Solar Specification Form at naperville.il.us/globalassets/media/projects/electric/sustainability-grant-forms/solar-system-specifications-installer-form.pdf