

AHP Rooftop Solar Grant Program



By the Affordable Housing Partnership & Kasselman Solar Funded by NYSERDA Cleaner Greener Communities Grant



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Solar Program: How & Why

- The Affordable Housing Partnership (AHP Homeownership Center) works to promote successful homeownership and make owning your home more affordable.
- AHP received a grant to install solar panels on at least 40 homes.
 Funding from New York State's New York Energy Research & Development Authority (NYSERDA)
- Why Solar? Improves housing quality, increases value of home, reduces electricity bills, and renewable energy is better for the environment
- Kasselman Solar was selected to be our solar contractor.



About Kasselman Solar

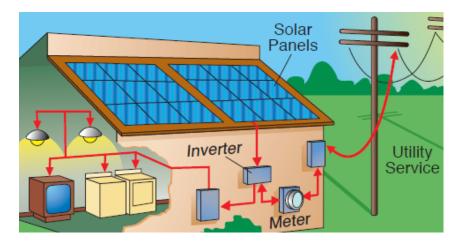
- Full-service solar electric provider specializing in the design, installation and servicing of renewable energy systems
- Designers are licensed NYS Professional Engineers
- Use only highest quality materials for longevity
- Kasselman Solar is an affiliate of Kasselman Electric, which is the largest commercial electrical contractor in the Capital District
- Family-owned, operated and founded in 1948





What is solar electric or solar PV?

- Solar PV (photovoltaic) panels convert sunlight into electricity.
- The electricity generated goes through an inverter to allow it to be used in your home. Electricity you don't need is returned to National Grid.
- Electricity produced by a PV system is measured in kilowatt hours (kWh) of energy.
- Residents receive credits on their utility bill for the kWhs produced (net metering)



Net-Metering

- Net-metering refers to the ability of the homeowner's PV system to send excess electricity to National Grid in return for a credit on utility bills. It is sometimes referred to as "spinning the electricity meter backward."
 - Excess electricity produced by your PV system will be credited to you and "banked" into your utility account
 - Electricity credits can be used during winter months when there is less solar energy production.
 - Any unused electricity credits carry over each year

Rooftop Solar

A house is a good candidate for Solar with...

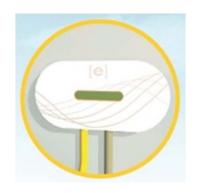
- A South-facing roof
- No shading or obstructions
- Roof in good condition
- Adequate electrical service

AHP has additional funds to make your roof solar-ready



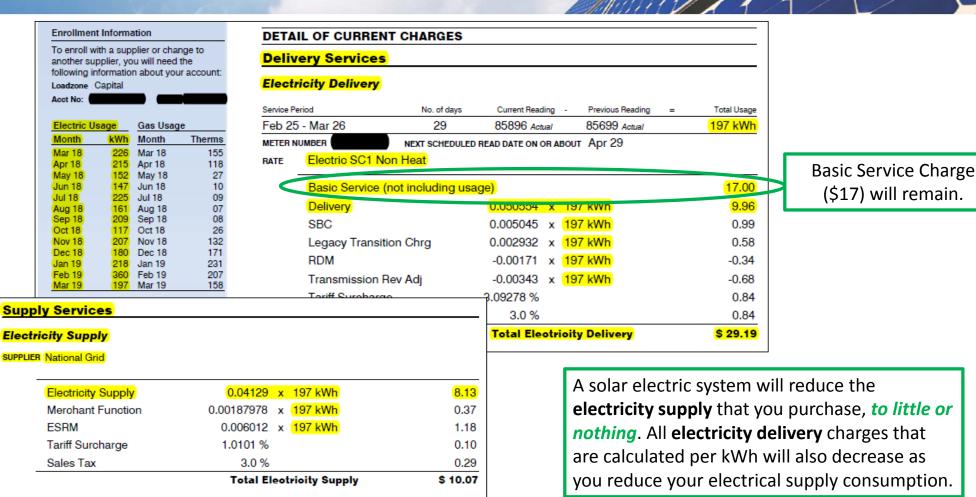
Rooftop Solar: Monitors

- Equipment monitors health and performance of the system.
- Plugs into any 120 volt outlet in home (preferably near home's main service panel) and connects to home's internet connection.
- System data can be viewed online or on mobile apps so you can track performance wherever you are.



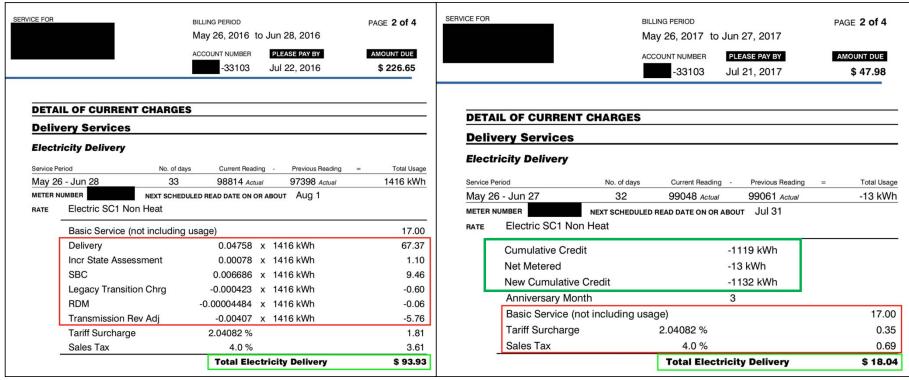


Understanding Your Utility Bill



Changes to Your Utility Bill

Before After



Benefits of Owning Solar PV

- Reduce monthly electric bills
- "Lock-in" your electric rates and gain energy independence (National Grid plans to increase electric delivery costs by 17% over next 4 years)
- Add resale value to your home without raising property tax
- Environmental impact: Reduce pollution with clean energy
- Little to no service/maintenance costs
- Rooftop solar panels are safe for your roof



Energy Efficiency Measures



- While Solar generates electricity for your home, energy efficiency measures reduce your energy usage.
 - LED light bulbs save money
 - Additional insulation makes your home more comfortable
 - Updated heating systems and hot water tanks can reduce energy costs.
- Start with a free home energy audit.
 - Receive a list of measures to take to reduce your energy bill.
 - Grants available to finance improvements
- Solar plus Energy Efficiency equals a more comfortable home and real savings!



Rooftop Solar Eligibility Requirements

The grant covers 100% of the cost of installing Solar Panels

- Earn less than 80% area-median income (see below)
- Own your home in Sheridan Hollow, Arbor Hill, or South End
- Sign up for a free energy audit by NYSERDA

Maximum Income Guidelines for Albany County								
Household Size	1	2	3	4	5			
AHP Solar Grant	\$54,350	\$62,100	\$69,850	\$77,600	\$83,850			



Eligibility for Additional Resources

- Assisted HPwES is a discount of 50%, up to \$5,000 of approved energy efficiency project costs (NYSERDA)
- EmPower will pay for 100% approved energy efficiency project costs, up to \$10,000 (NYSERDA)
- Energy & Home Improvement Grant will cover the balance of project costs, and can address repairs that NYSERDA won't, like fixing your roof to be solar ready (NYS Affordable Housing Corporation)

Additional Grant - Income Guidelines for Albany County								
Household Size	1	2	3	4	5			
NYSERDA - Assisted HPwES	\$50,350	\$57,550	\$64,750	\$76,752	\$89,040			
NYSERDA – EmPower	\$29,928	\$39,144	\$48,360	\$57,564	\$66,780			
Energy & Home Improvement Grant	\$54,350	\$62,100	\$69,850	\$77,600	\$83,850			



AHP Program Steps

We guide you every step of the way!

- Apply with Susan by submitting required documents to determine eligibility: scotner@ahphome.org; 518.434.1730 x 403
- AHP will use this information to complete the applications for your review and signature.
- Energy audit will be scheduled and applications for financing submitted. A proposal for energy work will be provided and financing options reviewed.
- Kasselman Solar will handle all aspects of solar, from assessing your home to installation.



Required Documents

- Copy of your deed
- Copy of recent utility bill (all pages)
- Proof of household income for all nonstudents over 18
 - Most recent Federal Tax Return (please sign)
 - W2s from most recent tax year
 - Two most recent Pay Stubs
 - If applicable:
 - Benefit Letter(s) (social security, HEAP)
 - Business or Rental Profit & Loss Statement, etc.

- You may be asked to provide proof of assets
 - Statements for Checking, Savings, Certificate of Deposit, Stocks, Bonds, Investments, value of property owned other than primary residence, vehicle.





Solar Steps with Kasselman Solar

Site Assessment



- Our Site Assessor will need access to the exterior and interior of your home.
- Information from the site assessment is required to finalize your solar design.
- Our solar design team reviews the information & we will request your approval before moving to the next step.



- Financing & Incentives
 - Once you approve of your final solar design, we reserve your Affordable Solar Incentives and any other funds granted through AHP Rooftop Solar Grant Program to finance your solar installation.



- Permitting & Utility Approval
 - Once you approve your final solar design, we apply for any permits and utility approvals required.
 - Your Project Manager at Kasselman will make sure all of the permitting and utility paperwork proceeds smoothly.

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Final Program Steps with Kasselman Solar

Installation



- A crew of electricians and a crew of solar installers will work together.
- The electricians will scout multiple ways to run the circuits for the best aesthetics and request your approval before beginning work.
- By the end of the day the electricians and solar installers will have your system ready for inspection!

Activation



- Activation is when we cross the finish line and turn your system on!
- Your Kasselman Project Manager will schedule an electrical inspection of the system and receive permission to operate from your utility.
- Once we are ready to turn the system on, your Project Manager will show you how it works, and create an online account for you so you can monitor your system through our smartphone app or website!



AHP Rooftop Solar Grant Program

Contact Information

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