



## Solar Interconnection FAQ's ≤ 20 kW Residential Systems

A solar electrical system can help to offset some of your electric usage when it is producing power. However, during the night, and on some overcast days, you will still draw electricity from NPU. If your system is sized beyond the needs of your daytime usage, this excess generation will be sent back to the NPU system and we will purchase from you at the current wholesale rate. To harness all of the production from your solar panels in the case of excess generation, you must incorporate a storage solution in your system.

### Is a customer permitted to send excess energy back to the NPU system?

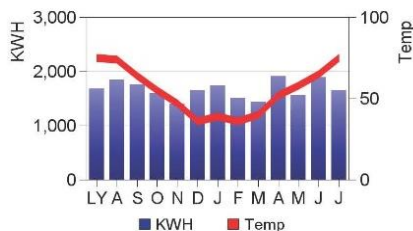
Yes. NPU will purchase any excess generation at the wholesale rate set by ISO New England. Monthly rates are shown on the ISO-NE website ([iso-ne.com](http://iso-ne.com)). Any excess generation will be paid back to the customer each month in the form of a bill credit.

### How is excess energy calculated?

Excess generation kwh x wholesale kwh rate = bill credit amount

Next read on or about: 07/31/2023

#### ELECTRIC



#### DETAIL OF CURRENT USAGE AND CHARGES

ELECTRIC Meter	Current Read	Previous Read	Multiplier	Usage KWH	Service Period	No. of Days	Read Type
E200171	22103	21488	1	615	06/01/2023-07/03/2023	32	Actual
E200171S	14098	13063	1	1035	06/01/2023-07/03/2023	32	Actual

Rate: ERES

CUSTOMER CHARGE

Rate: ESOLARRES

SOLAR METER CHARGE

ELECTRICITY USED

PURCHASED POWER ADJ

ENERGY EFFICIENCY FUND

ELECTRIC CAPITAL TRACKER

EXCESS ENERGY SALES TO NPU

Electric Total Charges

Charges

\$21.23

Charges

\$8.67

\$90.44

\$44.70

\$1.71

\$0.00

-\$35.96

\$130.79

This service period, you used **13% less** electric than last period, and **2% less** than the same time last year. Your average daily use was **51.56 KWH**.

### Does NPU install solar panels?

NPU does not install solar panels. The customer is responsible for working with a solar contractor to determine if solar power is practical and appropriate for their home. NPU does not endorse or recommend any solar contractors.

### What insurance limits do you require?

NPU requires \$300,000 of insurance coverage per occurrence and in the aggregate for bodily injury and/or property damage claims where the gross nameplate rating of the facility is less than or equal to an aggregate of 100 kW.

### Is the solar contractor required to install the meter socket or do they need to install the meters as well?

NPU will install the meters and the solar contractor will need to provide a utility grade meter socket which must be shown on the Single Line Diagram (SLD). Please refer to the Metering Guide and meter rates available on the NPU website ([www.norwichpublicutilities.com](http://www.norwichpublicutilities.com)) for additional information.

### Is it a requirement to have production meters on all projects?

Yes. All solar projects in the NPU service territory require a production meter.

**Who completes the witness testing of my solar installation?**

NPU oversees witness testing performed by the solar contractor who has installed the system. These Witness tests are completed in coordination with the City of Norwich Building Department's final inspection. Both the homeowner and the solar contractor who has installed the system must be present at the inspection.

A re-test fee will be applied by NPU due to a failed test, or a missed appointment by the customer or solar contractor.