



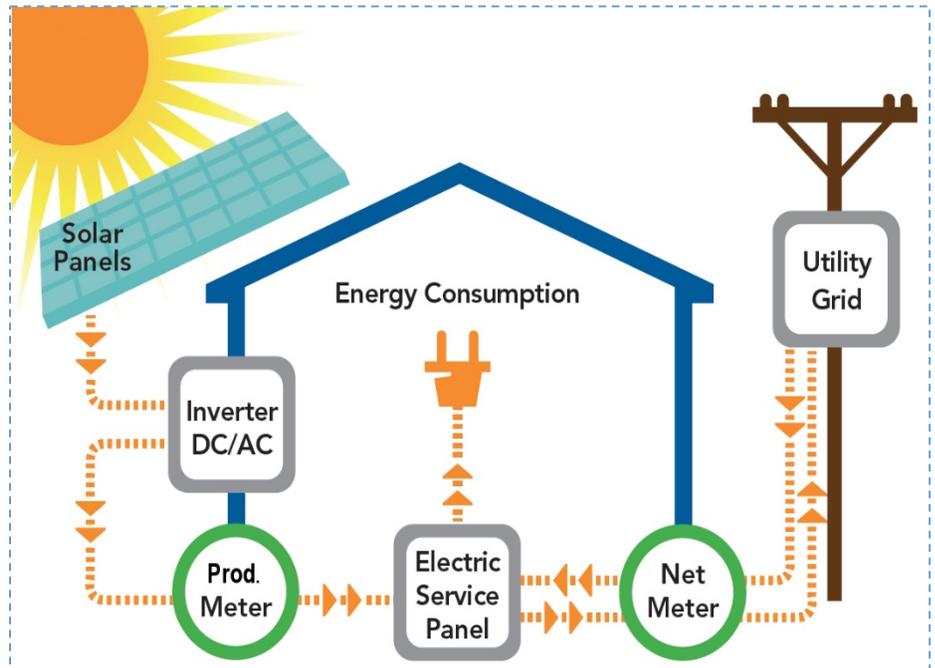
How HCE Net Metering Works

Net metering is a billing mechanism that credits homeowners or businesses for electricity added to the HCE grid from a renewable generator, such as solar panels.

The net meter can only measure electricity that flows across it, either into your home or back to the grid. The net meter does not know how much power your generator produced or how much power your home used, only how much flowed either back to or from the HCE grid.

Consumption, Generation & Usage:

- When you use more electricity onsite than your PV system is generating, you use electricity from the grid.
- When your PV system is generating more electricity than your onsite electric use, the excess flows back to the grid.
- Each month, HCE calculates the difference between your generation and your use. This quantity, your monthly net usage, is used to calculate your bill.



Banked kWh*:

- When **generation** exceeds **consumption**, the unused kilowatt-hours (kWh) go into a kWh bank at the end of each month. Any unused banked kWh are carried forward to offset your electric use in a future month. A balance in your kWh bank will be shown in **RED** on the second page of your billing statement. If there is no balance in your bank, the red line will not be printed.

Minimum Monthly Charge: Banked kWh can only be used to pay for consumed kWh, you will always be responsible for your monthly customer charge plus applicable fees, taxes and surcharges.

- When **consumption** exceeds **generation**, you will first use up any kWh in your bank. Then, you will pay for any net electricity used from the grid.
- Annually, at the end of March, we will pay you for any unused kWh and “zero out” your kWh bank. We calculate your payment by multiplying any unused banked kWh by our average wholesale power cost for the prior year.

Production Meter**:

- PV Systems built prior to 2017 may not have a production meter. Your production meter is designed to provide information on the electricity your PV system generates. You are billed only on the data from your net meter.
- You can access hourly information for either meter on SmartHub, a data portal available 24/7 on our website (<https://www.holycross.com/smarthub/>).

Understanding Your Bill

The second page of your billing statement provides details on how charges are calculated.

The first three lines in the meter readings section show data from your net meter (i.e., meter #200017). The last line shows the data from your production meter (#299417).

Note: When your PV system is first turned on, an additional line may appear at the top of the meter readings section. A different value in the Rate Code column (e.g. "1" vs. "1N") reflects metered usage prior to your meter being reprogrammed for net metering.

Our net meters record data in two different registers, depending on the direction of the power flow. Each value is shown separately on the new billing statement.

- **Net Consumption line (e.g. 200017/Cons)** shows electricity supplied from the grid (i.e. 293 kWh). This might occur after dark when a PV system is not generating.
- **Net Generation line (e.g. 200017/Gen)** shows electricity that flows back into the grid (i.e. 1538 kWh). This might occur during the middle of a sunny day.
- **Net Usage line (e.g. 200017/Net)** shows net usage for a billing period. This value is calculated by subtracting **Gen** from **Cons** (e.g. $293 - (-1538) = -1245$ kWh). If **Net** is negative, these unused kWh are added to your banked kWh total.

This value, shown under the kWh Use column next to rate code 1N (in this example), is used to calculate your bill and any changes to your kWh bank.

- **Production Meter Line (e.g. 299417/Gen)** shows the electricity generated by your PV system (less a small amount of usage from the inverter) during the time period shown on your billing statement. **This fourth line is informational only and not used for billing.**

To calculate your total onsite electricity use during a month, add the **Net** and production meter **Gen** values together (e.g. $1818 + -1245 = 573$ kWh).

Services		Days	Meter Number	Readings		Multi.	kWh Use	Rate Code
From	To			Previous	Present			
07/01/19	08/01/19	31	200017/Cons	19377	19670	1	293	
07/01/19	08/01/19	31	200017/Gen	21870	23408	1	1538	
07/01/19	08/01/19	31	200017/Net	88022	86777	1	-1245	1N
07/01/19	08/01/19	31	299417/Net	0	0	1	-1818	GEN

Description	Usage Units	Rate	Charge
Customer Charge			\$12.00
Demand Charge	5.512 kW	\$0.00	\$0.00
Current Electric Charges			\$12.00
WE CARE Surcharge		2.0%	\$0.24
Other Charges			\$0.24
Taxes & Franchise Fees			\$0.00
Current Balance			\$12.24
Banked kWh 2,078			

* Please note that if your kWh bank offsets all electricity used in a billing month, you will still be subject to the Customer Charge, WE CARE Surcharge, and any applicable taxes or fees. The Customer Charge pays for our electric grid operations and maintenance, metering, billing, and member service costs.

** If you wish to add a production meter to an existing generator, please email renewables@holycross.com or call 970- 947-5473. HCE will work with you and your electrician to retrofit your PV system.