

Definition

"Net metering" means a system of metering electricity in which the Concord Municipal Light Plant (CMLP) provides credits on the Customer's bill for electricity generated on the Customer's property which migrates to (i.e. is received by) the CMLP distribution system when generation is greater than consumption at the Customer location.

Applicability

This policy is intended for use at residential properties only: specifically, owner occupied, single family/duplex homes. CMLP will offer net metering to its customers who generate electricity on the Customer's side of the meter provided that the generating capacity of the customer's facility does not exceed 167 kW AC.

CMLP will assume that the solar PV capacity in kW (AC) is the following:
((# of panels) * (PTC per Go Solar CA spreadsheet)) / (1,000 W / kW) = ____ kW (AC)

Source data for Go Solar CA's PTC number is either PV Module List here:

http://www.gosolarcalifornia.ca.gov/equipment/pv_modules.php

Engineering Review

Before net metering will be permitted, installations are subject to review by CMLP's engineering division to ensure that the amount of electricity projected to migrate to the distribution system does not exceed the capacity of the transformer serving the Customer, or adversely impact CMLP's distribution system in any other way.

Metering

When the solar PV system wiring is installed in such a way that any solar electricity generated that is not used on the Customer's property at a given moment migrates to CMLP's distribution system, CMLP will replace the Customer's existing meter with a net meter. The net meter will record any solar electricity that migrates to CMLP's distribution system because it is not needed on the property at a given moment. A net meter will also record the amount of conventional electricity delivered to the customer by CMLP, just as the Customer's existing meter has always done.

Net Metering Credits

Each month, any solar electricity (in kilowatt-hours) that migrates through the Customer's net meter to CMLP's distribution system will be subtracted from the electricity (in kilowatt-hours) that the Customer purchases from CMLP at the Residential Service Rate. The Customer will be billed for the net amount of electricity at the applicable rate for Residential Service, to the

extent that the solar electricity that migrates to CMLP’s distribution system does not exceed the Customer’s purchases from CMLP.

To the extent that that the solar electricity that migrates through the Customer’s net meter to CMLP’s distribution system exceeds electricity purchases from CMLP during the month, CMLP will credit the Customer for the excess at the price that CMLP pays New England’s Independent System Operator for electrical energy on the Spot Market. The “9-4 Spot Market” price is defined as the average Day Ahead Price during the hours between 9am and 4pm for the month the migration occurs.

The 9-4 Spot Market price will fluctuate based on market conditions. It has averaged \$0.03 to \$0.05 per kilowatt-hour (kWh) over time. On average, kWhs of solar electricity credited at the 9-4 Spot Market price will provide less financial benefit to the customer than kWhs of solar electricity that are subtracted from the billing units to which the Residential Service Rate is applied. In 2019, the R-1 Residential Service Rate ranges from \$0.15071 to \$0.19325 per kWh, depending on the amount of electricity delivered to the Customer by CMLP.

If the Customer has controlled electric water heating and low overall electricity consumption, the financial savings due to solar electricity production may be diminished. Please contact CMLP.

The Customer acknowledges that if the solar PV system is sized so that more electricity migrates to CMLP’s distribution system than the Customer purchases from CMLP during a given month, the excess electricity will be credited at the substantially lower 9-4 Spot Market price, rather than subtracted from the billing units to which the higher R-1 Residential Service Rate applies.

All net metering customers will also be assessed a monthly Distribution Charge on their electric bill, which is based upon the size of their solar PV system:

Installed Generation Capacity:		Price per month
Equal or Greater Than	and Less Than	
2 kW (AC)	4 kW (AC)	\$3.60 / month
4 kW (AC)	7 kW (AC)	\$6.60 / month
7 kW (AC)	10 kW (AC)	\$10.20 / month
10 kW (AC)	13 kW (AC)	\$13.80 / month
13 kW (AC)	16 kW (AC)	\$17.40 / month
16 kW (AC)	19 kW (AC)	\$21.00 / month
19 kW (AC)	22 kW (AC)	\$24.60 / month
22 kW (AC)	25 kW (AC)	\$28.20 / month
25 kW (AC)	28 kW (AC)	\$31.80 / month
28 kW (AC)	31 kW (AC)	\$35.40 / month
31 kW (AC)	34 kW (AC)	\$39.00 / month
34 kW (AC)	37 kW (AC)	\$42.60 / month

37 kW (AC)	40 kW (AC)	\$46.20 / month
40 kW (AC)	46 kW (AC)	\$53.40 / month
46 kW (AC)	58 kW (AC)	\$67.80 / month
58 kW (AC)	82 kW (AC)	\$96.60 / month
82 kW (AC)	130 kW (AC)	\$154.20 / month
130 kW (AC)	167 kW (AC)	\$198.60 / month

The Distribution Charge ensures that the costs of maintaining the local electrical distribution system and running CMLP are shared fairly among all of CMLP’s customers, including those who have reduced their financial contribution towards maintaining these services by replacing some of the electricity they had purchased from CMLP with electricity generated by their solar PV system. Customers with solar PV systems continue to receive all of the services provided by the electricity distribution system in Town and by CMLP. Customers’ adoption of solar does not reduce CMLP’s costs for maintaining local infrastructure and providing services. The Customer acknowledges that the Distribution Charge is a condition of receiving net metering credits from CMLP. This Solar PV Net Metering Policy Acknowledgement references CMLP’s Residential Service Rider – Net Metering with Banking Rate, available on CMLP’s website at <http://www.concordma.gov/DocumentCenter/Home/View/1205>. The Net Metering Rate, including the Distribution Charges, is subject to change.

Customer Signature

Customer Name

Customer Address

Date