



4/9/2025

The Concord Municipal Light Plant Net Metering Policy is under development. For information purposes, you can find the old policy below. The new policy will be available soon.

You can find more information by contacting Customer Service at (978) 318-3101.



**CONCORD
MUNICIPAL
LIGHT PLANT**

ELECTRIC | BROADBAND | ENERGY MANAGEMENT

**Commercial Solar PV
Net Metering Policy
Acknowledgement**

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 that 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 for customers with commercial electric accounts installing solar arrays. CMLP offers net metering to customers generating electricity on the Customer's side of the meter provided that the Customer's generating capacity does not exceed 167 kW (AC).

CMLP calculates the solar PV capacity in kW (AC) as follows:

$$((\# \text{ of panels}) * (\text{PTC per CA Energy Commission})) / (1,000 \text{ W} / \text{kW}) = \text{--- kW (AC)}$$

Source data for California Energy Commission's PTC number is here:

<https://solarequipment.energy.ca.gov/Home/PVModuleList>

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.

Energy Storage System Requirements

CMLP Paired Equipment Requirements		
For NEW solar installations bringing site's TOTAL solar capacity in kW (AC) to:		
0	25	50
← ----- → Export Limiter and/or Batteries Not Required	← ----- → Export Limiter and/or Batteries May be Required Decisions made on case-by-case basis per CMLP Engineering review	← ----- → Export Limiter and/or Batteries Required

As shown in the graphic above, if solar is added to a site whose prior solar capacity is under 50 kW(AC), an export limiter and/or battery **must** be paired with any solar capacity beyond 50 kW. The battery must be capable of storing 4 hours of peak electric production for the portion of the solar array over 50 kW. If solar is added at a site with prior solar capacity over 50 kW(AC), an export limiter and/or storage **must** be paired with any additional solar capacity. The battery must be sized to store 4 hours of peak production potential (AC) from the new solar capacity. If a site's prior solar capacity is less than 25 kW(AC) and solar capacity is added, an export limiter and/or battery capacity ***may*** be required to pair with any solar capacity exceeding 25 kW. The battery capacity must be capable of storing 4 hours of electricity produced by any solar capacity that exceeds 25 kW, at its peak solar production potential (AC). In all scenarios, CMLP must be able to control battery charge and discharge times on predicted peak demand days. Export limiters must be set for no export beyond 50 kW(AC).

Metering

CMLP's advanced meters record the amount of electricity delivered to the customer by CMLP as well as any solar electricity that migrates to CMLP's distribution system because it is not needed on the property at a given moment.

Net Metering Credits

Meter, Distribution and Demand Charges

The Meter Charge, Distribution Charge and Demand Charge paid by the Customer are the same as the charges paid by the Customer under their regular General Service rate tariff. Net metering credits do not apply to these charges.

Capacity and Transmission Charge

Customers pay for Capacity and Transmission on only the net amount of electricity delivered (energy delivered by CMLP less energy migrating to CMLP's system). If the Customer sends more energy to the distribution system than CMLP delivers to them, the Capacity and Transmission charge is zero. No credits are accrued for Capacity and Transmission charges for

any energy migrating to CMLP's system that exceeds the purchases from CMLP during the billing period.

Energy Charge

Customers pay for Energy on only the net amount of electricity delivered (energy delivered to the Customer by CMLP less energy migrating to CMLP's system). If the Customer sends more energy to the distribution system than CMLP delivers to them, they are credited for the excess at the price CMLP pays New England's Independent System Operator for electricity on the Spot Market. The "9-4 Spot Market" price is defined as the average Real Time locational marginal price set by the Independent System Operator-New England (ISO-NE) for all hours between 9am and 4pm in the month the migration occurs.

The 9-4 Spot Market price fluctuates based on market conditions. From the start of 2024 through early 2025, it ranged between \$0.02 and \$0.12 per kilowatt-hour (kWh).

Customer Acknowledgment

Customers receive lower compensation for solar production that exceeds consumption in that month. At the end of each billing cycle CMLP tallies the total solar kWhs sent by the Customer to the grid that month. The solar kWhs are subtracted from the total grid kWhs delivered by CMLP to the Customer that month. Therefore, the financial value of those solar kWhs is equivalent to the Customer's G1, G2, or G3 commercial rate. Any excess solar kWhs that remain are credited at that month's 9-4 Spot Market price. Therefore, the financial value of those solar kWhs is less than the Customer's G1, G2, or G3 rate.

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 generally lower 9-4 Spot Market price rather than subtracted from the billing units to which the higher Energy, Capacity, and Transmission Charges apply.

This Solar PV Net Metering Policy Acknowledgement references CMLP's Rate G-1, G-2, G-3 NET MTR: General Service Net Metering Rate, available on CMLP's website at <https://concordma.gov/DocumentCenter/View/13235/General-Service-Net-Metering-PDF>. The Net Metering Rate is subject to change.

Customer Signature

Customer Address

Customer Name

Date