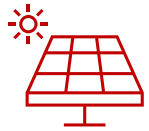
Net Bill Explainer – the Basics

Understanding Time of Day Rates

when your home has
Solar Panels and/or Batteries



CONCORD MUNICIPAL LIGHT PLANT

ELECTRIC | BROADBAND | ENERGY MANAGEMENT

Sections of this Explainer

CMLP Time of Day Rate Net Billing - the Basics

Slides 3 - 6: Factors impacting CMLP's Time of Day rates…
- Rate phase
- Season
- Day and Hour
- Location

Slides 7 - 8: 2026 & 2027 Time of Day rates for kWh …
- Drawn from the grid
- Generated by your solar panels
- Stored in a battery

Slides 9 - 10: What your net bill looks like…
- Rate schedule types
- Charges vs. Credits
- Your electric usage history graph

Slides 11 - 12: Find more information…

CMLP's Time of Day rate changes with **rate phase,** season, day, hour, and location

Rate Step

Initial (2026) Phase 1:

Smaller cost differences between time periods

Helps customers **get acquainted** with how Time of Day rates work

Final (2027) Phase 2:

Larger cost differences between time periods

Gives customers **transparency** on true costs for CMLP to purchase energy on the open market

CMLP's Time of Day rate changes with rate phase, **season,** day, hour, and location

Time of Year

Standard			Shoulder		Standard					Shoulder	
Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sept	Oct	Nov
Winter			Spring		Summer					Fall	

Typically, more electricity is needed in winter and summer and less in spring and fall

When demand is high in New England, CMLP must pay more to buy electricity from the regional grid

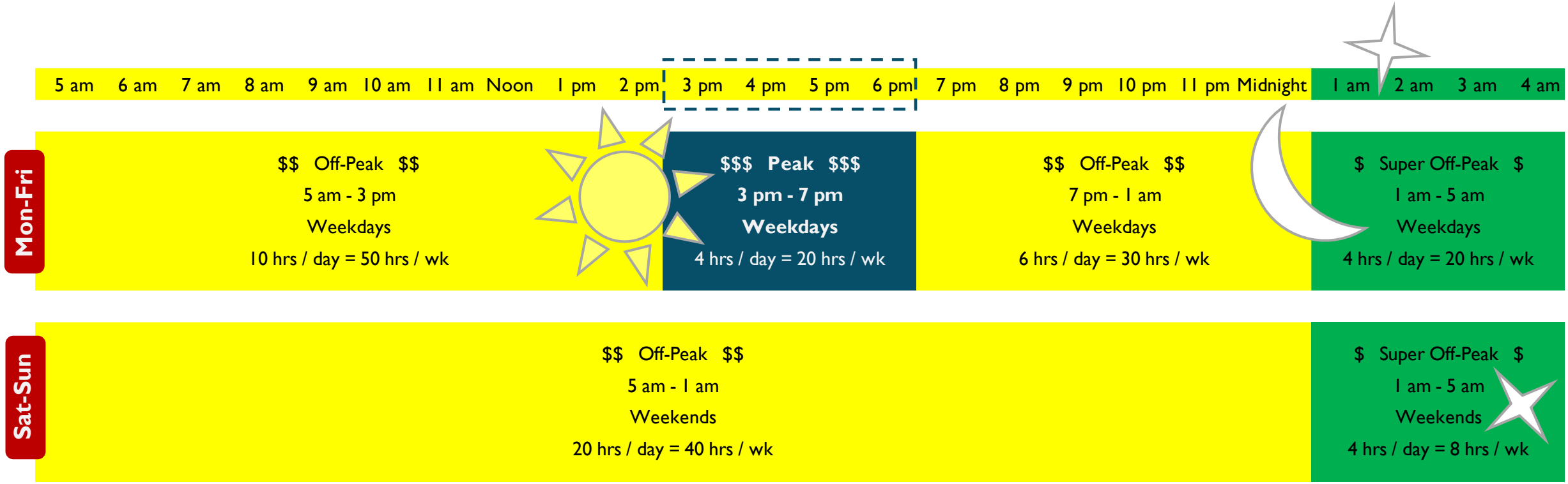
As a result, CMLP rates are:

more expensive in standard seasons (8 months = 2/3 of each year)

less expensive in shoulder seasons (4 months = 1/3 of each year)

CMLP's Time of Day rate changes with rate phase, season, **day, hour,** and location

Day of Week & Hour of Day



CMLP's Time of Day rate changes with rate phase, season, day, hour, and **location**

Direction of Energy Flow

Value per kWh **Used at Home**

(from Grid, Solar, or Battery)

Value per kWh can be …

Charges for electricity CMLP delivered to you

- or -

Savings from solar electricity used at home, which displaces kWh you would have **drawn from the grid**

Bill Credit per kWh **Sent to Grid**

(from *Solar* only)

batteries not allowed to send to grid

Credits for **solar** electricity CMLP received from you

- because -

If you can't immediately use solar electricity at home or store it in a battery, it is **sent to the grid**

2026 Time of Day Rates Phase 1 - Initial

Standard Seasons
Winter & Summer
Dec-Feb, May-Sept

Value per kWh **Used at Home** (from Grid, Solar, or Battery)

Off-Peak	Peak	Off-Peak	Super Off-Peak	
20.4 ¢	30.3 ¢ *(M-F)* / 20.4 ¢	20.4 ¢	20.1 ¢	Mon-Fri / Sat-Sun

Bill Credit per kWh **Sent to Grid** (from *Solar* Only) *batteries not allowed to send to grid*

Off-Peak	Peak	Off-Peak	Super Off-Peak	
11.2 ¢	21.1 ¢ *(M-F)* / 11.2 ¢	11.2 ¢	10.9 ¢	Mon-Fri / Sat-Sun

5 6 7 8 9 10 11	Noon	1 2	3 4 5 6	7 8 9 10 11	Midnight	1 2 3 4
Off-Peak			Peak	Off-Peak		Super Off-Peak

Shoulder Seasons
Spring & Fall
Mar-Apr, Oct-Nov

Value per kWh **Used at Home** (from Grid, Solar, or Battery)

Off-Peak	Peak	Off-Peak	Super Off-Peak	
20.2 ¢	25.4 ¢ *(M-F)* / 20.2 ¢	20.2 ¢	19.6 ¢	Mon-Fri / Sat-Sun

Bill Credit per kWh **Sent to Grid** (from *Solar* Only) *batteries not allowed to send to grid*

Off-Peak	Peak	Off-Peak	Super Off-Peak	
11.0 ¢	16.2 ¢ *(M-F)* / 11.0 ¢	11.0 ¢	10.5 ¢	Mon-Fri / Sat-Sun

2027 Time of Day Rates Phase 2 - Final

Standard Seasons
Winter & Summer
Dec-Feb, May-Sept

Value per kWh **Used at Home** (from Grid, Solar, or Battery)

18.3 ¢	48.0 ¢ *(M-F)* / 18.3 ¢	18.3 ¢	17.4 ¢	Mon-Fri / Sat-Sun

Bill Credit per kWh **Sent to Grid** (from *Solar* Only) *batteries not allowed to send to grid*

9.2 ¢	38.8 ¢ *(M-F)* / 9.2 ¢	9.2 ¢	8.2 ¢	Mon-Fri / Sat-Sun

5 6 7 8 9 10 11	Noon 1 2	3 4 5 6	7 8 9 10 11	Midnight 1 2 3 4
Off-Peak		Peak	Off-Peak	Super Off-Peak

Shoulder Seasons
Spring & Fall
Mar-Apr, Oct-Nov

Value per kWh **Used at Home** (from Grid, Solar, or Battery)

17.8 ¢	33.2 ¢ *(M-F)* / 17.8 ¢	17.8 ¢	16.0 ¢	Mon-Fri / Sat-Sun

Bill Credit per kWh **Sent to Grid** (from *Solar* Only) *batteries not allowed to send to grid*

8.5 ¢	24.0 ¢ *(M-F)* / 8.5 ¢	8.5 ¢	6.8 ¢	Mon-Fri / Sat-Sun

What your Net Bill shows *(right side)*

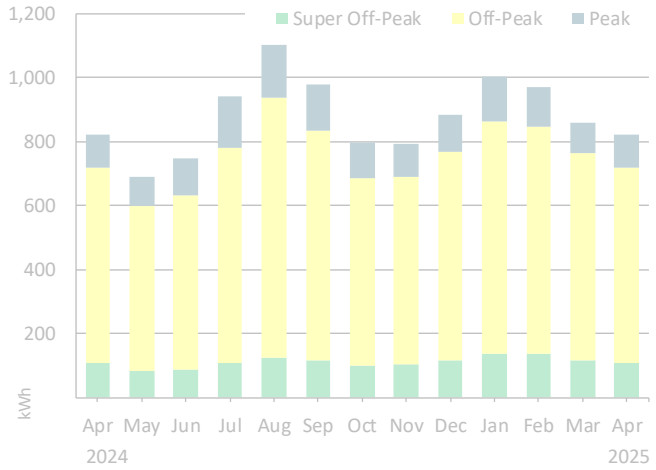
Electric

Description: ELE SOLAR

Services From	Services To	Days	Readings Previous	Readings Present	Meter Multiplier	kWh Usage	Meter #	Rate Schedule
03/1/2025	04/1/2025	31	3463	3565	1.0	102	123456789	NETCP
03/1/2025	04/1/2025	31	945	1051	1.0	106	123456789	NETCS
03/1/2025	04/1/2025	31	1986	2598	1.0	612	123456789	NETCO
03/1/2025	04/1/2025	31	247	269	1.0	22	123456789	NETGP
03/1/2025	04/1/2025	31	0	0	1.0	0	123456789	NETGS
03/1/2025	04/1/2025	31	886	1541	1.0	655	123456789	NETGO

NET***CP***	Net Electricity	***Consumed***	during ***Peak*** hours
NET***CS***	Net Electricity	***Consumed***	during ***Super*** Off-Peak hrs
NET***CO***	Net Electricity	***Consumed***	during ***Off*** - Peak hours
NET***GP***	Net Electricity	***Generated***	during ***Peak*** hours
NET***GS***	Net Electricity	***Generated***	during ***Super*** Off-Peak hrs
NET***GO***	Net Electricity	***Generated***	during ***Off*** - Peak hours

Your past and current electricity usage



Details of your new charges

Delivered Energy Charges - *Cost to supply your electricity*

Peak	102 kWh	@	0.30315	$ 30.92
Super Off Peak	106 kWh	@	0.20117	$ 21.32
Off Peak	612 kWh			
PCA	820 kWh	@	(0.04267)	$ (34.99)
NYPA Credit				$ (2.80)

Received Energy Credits - *Credits from your solar generation*

Peak	22 kWh	@	0.21132	$ (4.65)
Super Off Peak	0 kWh	@	0.10934	$ (0.00)
Off Peak	655 kWh	@	0.11249	$ (73.68)

Delivery Charges - *Cost to distribute your electricity*

Customer Charges	$ 20.00

Electricity that is…
drawn from the grid is
delivered to you by CMLP and **charged** on your bill

Rate schedules call this **consumed** energy

Electricity that is…
sent to the grid is
received from you by CMLP and **credited** on your bill

Rate schedules call this **generated** energy

What your Net Bill shows *(left side)*

Electric

Description: ELE SOLAR

Services From	Services To	Days	Readings Previous	Readings Present	Meter Multiplier	kWh Usage	Meter #	Rate Schedule
03/1/2025	04/1/2025	31	3463	3565	1.0	102	123456789	NETGP
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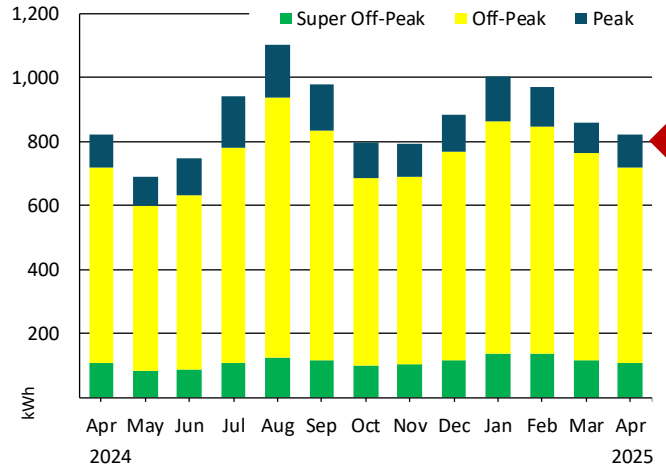
Your past and current electricity usage



Details of your new charges

Delivered Energy Charges - *Cost to supply your electricity*

Peak	102 kWh @	0.30315	$ 30.92
Super Off Peak	106 kWh @	0.20117	$ 21.32
Off Peak	612 kWh @	0.20432	$ 125.04
PCA	826 kWh @	(0.01287)	$ (10.63)
NYPA Credit			$ (2.80)

Received Energy Credits - *Credits from your solar generation*

Peak	22 kWh @	0.21132	$ (4.65)
Super Off Peak	0 kWh @	0.10934	$ (0.00)
Off Peak	655 kWh @	0.11249	$ (73.68)

Delivery Charges - *Cost to distribute your electricity*

Customer Charges			$ 20.00

The graph displays a 13-month history of your energy use

Within each month,
different colors highlight
the amount of electricity that CMLP
delivered* (you drew from grid)
during
Peak, **Off-Peak,** and **Super Off-Peak**
time periods

**Note: received (you sent to grid)*
does not display on graph

**NOTE:*
Your utility meter doesn't interface with your solar production meter. CMLP's meter can only count the excess solar energy your home didn't use.
See the "Net Bill Explainer – The Details" resource for calculating your home's total monthly electric use - the kWh from the grid plus the solar electricity used at home.

Want to know more?

Read further information in our other resource, *"Net Bill Explainer – the Details"* to learn about …

Net Billing - the Details

Slide 3: How net usage is… - Tallied within each hour

Slide 4: Electric rate components when CMLP… - Brings electricity from the regional grid to Concord
- Distributes electricity on our local grid within Concord

Slide 5: When to… - Charge vs. discharge your battery
- Use solar electricity at home, store it in your battery, or send it to the grid

Slide 6: Calculate your total home usage recorded by… - Your solar meter
- Your utility meter

For more information or other questions about installing, generating, storing, and billing solar in Concord

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