



# Transportation Electrification

November 2024



# Supporting EV Adoption on Long Island

Long Island has **one of the highest EV adoption rates in NY**, and PSEG Long Island customers can benefit by offering charging to their customers, employees, and visitors – made easier with our available programs:



Apartment communities and HOAs can **increase their property value and attract new residents** to their community by offering charging.



Retail spaces and restaurants can attract customers to their premises and **incentivize them to spend more time onsite**, increasing profitability.



Commercial offices, educational institutions, hospitality and services can use EV charging as an additional amenity for their customers and employees, **improving customer experience** and potentially even **supporting talent acquisition and retention** efforts.

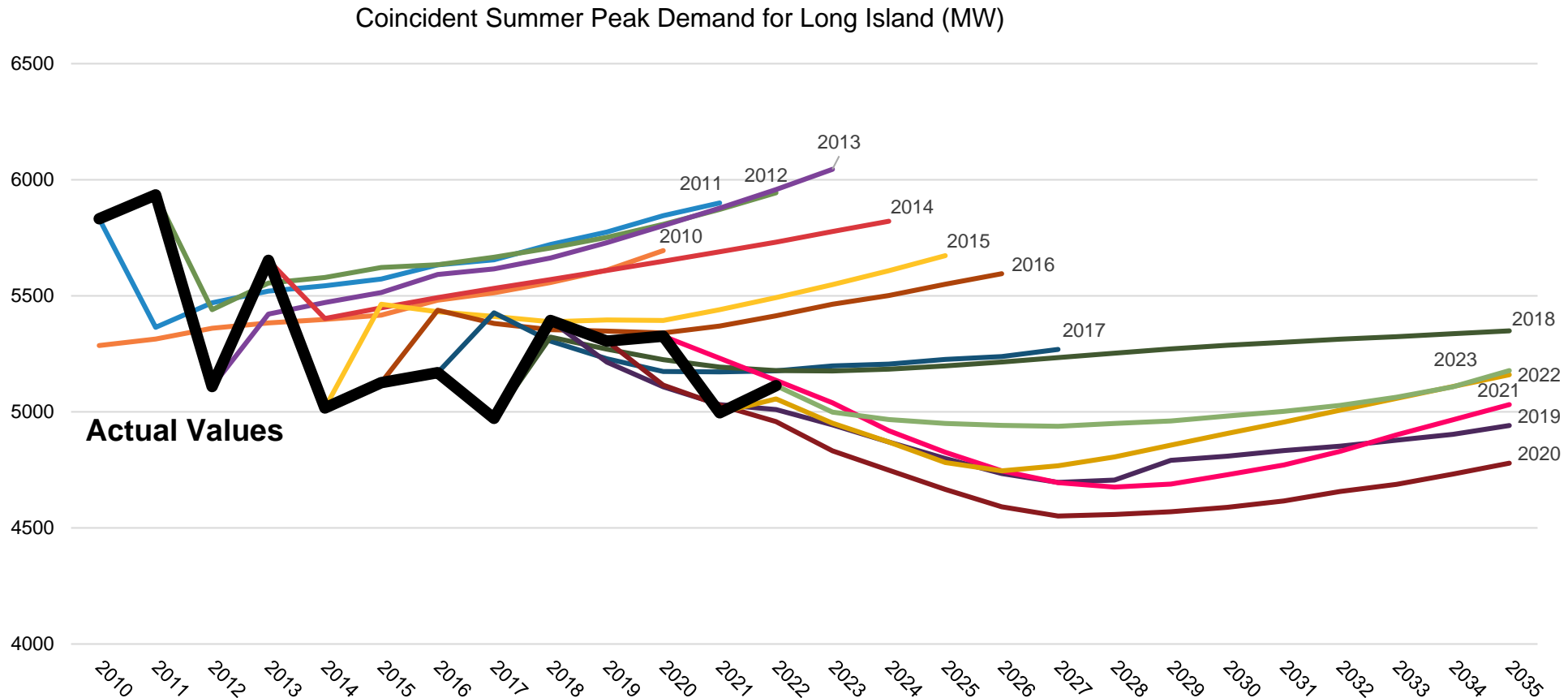


Public facilities can use EV charging as a way to demonstrate commitment to **clean energy transition** while generating **additional revenue for the community**.

# Preparing the Grid for the Influx of EV's

As part of PSEG Long Island's mission, our goal is to provide our Long Island and Rockaway customers with best-in-class reliability. As we see more customers adopt electric vehicles, PSEG Long Island is planning for how much power is needed for EVs to ensure there is ample infrastructure in place.

The chart below represents the peak demand that occurs on Long Island in the summer. Each year, demand has decreased as customers adopt more energy efficient appliances, adopt renewable energy sources, and shift their energy usage to off-peak hours (e.g. EV Charging).



# EV Basics

## Levels of Charging

### Level 1

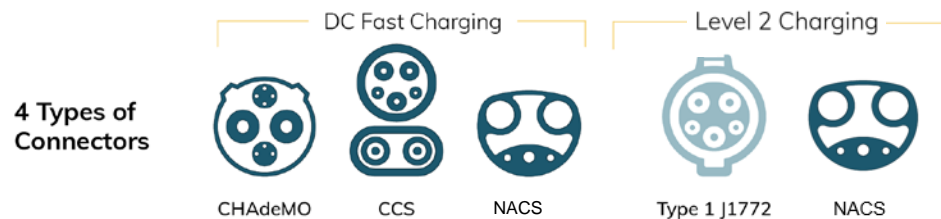
- Approximately 8-20+ hours to charge an EV
- Port Types: J1772, NACS
- Uses ordinary household standard outlet (120V)

### Level 2

- Approximately 4-8 hours to charge an EV
- Port Types: J1772, NACS
- 208-240V; similar to an electric dryer or oven

### Direct Current Fast Charger (DCFC)

- Approximately <20 minutes for an 80% charge
- Port Types: CCS, NACS, ChAdeMO
- Three-Phase 480V



## Vehicle Types

### Battery Electric Vehicles (BEV)

- Can use Level 1, Level 2 or DCFC
- Solely rely on batteries and have no engine

### Plug-In Hybrid Electric Vehicles (PHEV)

- Can only use Level 1 or Level 2
- Have a combination of batteries to drive 10-50 miles on electric and an engine as backup

### Hybrid Electric Vehicles

- These do not plug into anything
- Has a small battery and an engine with the battery primarily used for stop-and-go traffic and improved fuel efficiency

## Did you know?

Many automakers are adopting the NACS connector starting in 2025. Adapters are also available to use other connector types

# New York State Goals

**There are many efforts underway in New York State to help promote the adoption of EVs in the Empire State**

## **Advanced Clean Cars II (ACCI) Rule**

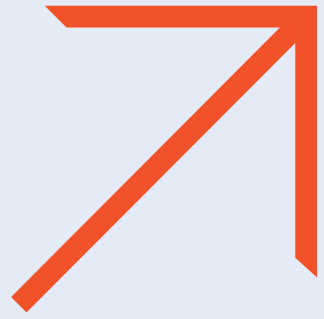
Legislation has been adopted for the ACCII rule which sets a statutory goal for all new light-duty vehicles (LDV) sold in NY to be zero emissions by 2035 [Click [here](#) to learn more]

## **Advanced Clean Trucks (ACT) rule**

The ACT rule sets a statutory goal for all new medium-and-heavy duty vehicles (MHDV) sold in NY to be zero emissions by 2045 [Click [here](#) to learn more]

## **Electric School Buses**

New York State's fiscal year 2022-2023 budget established a nation-leading commitment for all new school buses purchased to be zero emission by 2027 and all school buses in operation to be electric by 2035. [Click [here](#) to learn more]



# **PSEG Long Island EV Programs & Resources**

# EV Make Ready Program

**PSEG Long Island offers incentives to install chargers at workplace, public space, and multi-family communities**

**Overview:** Support the installation of EV chargers across Long Island where residents live and work. Incentives available to customers to offset their charging installation costs, reduce concerns of range anxiety, and plan & deploy grid infrastructure so it is right-sized for the amount of power needed to support charging stations

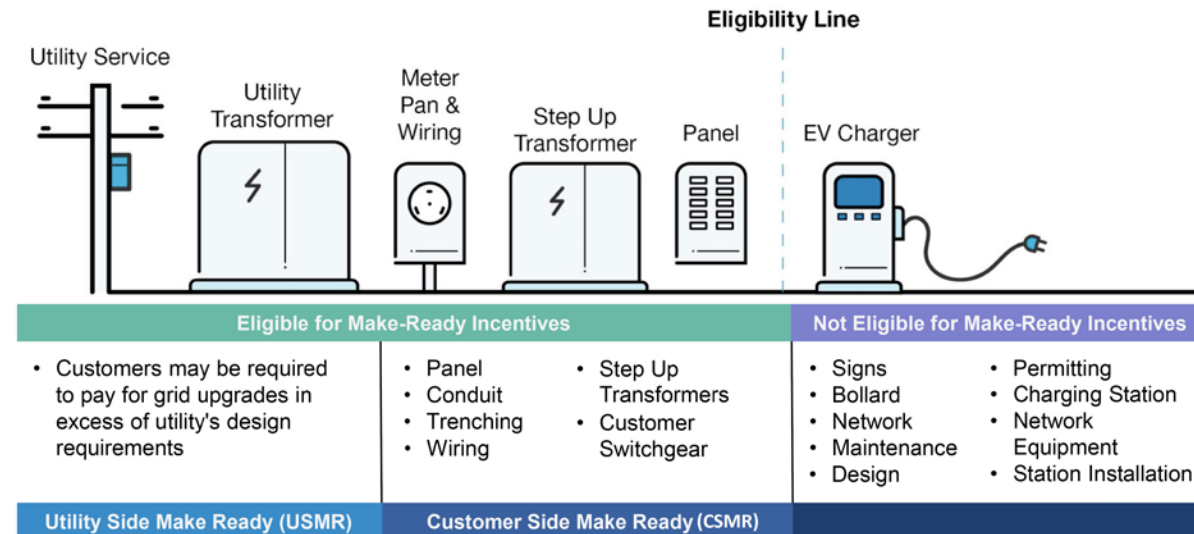
## Incentives:

- Up to **\$370,000** to install DC Fast Chargers
  - An extra \$10,000 per port installed over 6 ports
- Up to **\$30,000** to install Level 2 Chargers
  - An extra \$1,000 per port installed over 6 ports

## How to Apply:

**Website:** [www.psegliny.com/evmakeready](http://www.psegliny.com/evmakeready)

**Email:** [PSEG-LI-EVMakeReady@pseg.com](mailto:PSEG-LI-EVMakeReady@pseg.com)



# DCFC Incentive Program

## PSEG Long Island offers demand charge relief for public DC Fast Chargers

**Overview:** PSEG Long Island's Direct Current Fast Charger (DCFC) Incentive program offers operating cost relief in the form of incentives for the demand charges found on the electric bill. Qualified customers can receive up to 50% of their demand charges in the form of a rebate check 12 months after their anniversary date.

### Incentives:

- Up to 50% of demand charges

### Note:

- This program will conclude when our EV Phase-In Rate is made available in H2 2025
  - This commercial tariff will be for all EV charging station types (L2/DCFC) for multiple use-cases (fleet charging, public charging stations, etc.) and will have 4 different rates depending on your load factor
    - Eligible customers to be determined
  - More information on the EV Phase-In Rate will be made available in early 2025

### How to Apply:

**Website:** <https://www.psegliny.com/saveenergyandmoney/GreenEnergy/EV/DCFC>

**Email:** PSEG-LI-DCFC@pseg.com





# Fleet Make Ready Program

**PSEG Long Island offers incentives to install chargers to support fleet electrification**

**Overview:** Support fleet electrification here on Long Island. Incentives available to customers to offset their charging installation costs, reduce concerns of range anxiety, and plan & deploy grid infrastructure so it is right-sized for the amount of power needed to support charging stations

## **Incentives:**

- Up to **\$200,000** for Public Transportation customers
  - Includes public transit, shuttle, and school bus operators
- Up to **\$50,000** for Public Fleet customers
  - Includes local government, municipality, not-for-profit, and public schools/universities

## **How to Apply:**

**Website:** <https://www.psegliny.com/saveenergyandmoney/GreenEnergy/EV/FleetMR>

**Email:** [PSEG-LI-EVFleet@pseg.com](mailto:PSEG-LI-EVFleet@pseg.com)



# Fleet Advisory Services



**PSEG Long Island offers the following services for free, available to both Public and Private fleet customers**

**Overview:** Complimentary service for all fleet operators on Long Island to understand the potential costs, savings, available incentives, best times to charge for their vehicle fleet(s), and how to work with the utility to get necessary service. We can assist you with:

- Site and Fleet Assessment
- Rate Comparison; Identify best time to charge fleet(s)
- Bill impact and cost savings
- GHG reductions
- Eligible Program Incentives
- Act as the liaison between the fleet customer and the Utility to help them on their electrification journey and how to get started

**How to Apply:** Our dedicated staff are available to speak with you and the fleet operator via zoom, in-person or over the phone.

**Website:** <https://www.psegliny.com/saveenergyandmoney/GreenEnergy/EV/FleetServices>

**Email:** PSEG-LI-EVFleet@pseg.com



# Residential Charger Rebate Program



All PSEG Long Island **residential customers** are **eligible** to participate in the program if they purchase **Level 2 ENERGY STAR** chargers.



The program offers a **\$200 rebate** for all customers.



Low-income customers (Household Assistance Program) and those customers who are located in Disadvantaged Communities (DAC) are eligible for **an additional \$100**, bringing their total rebate to **\$300**.

## How to Apply:

**Website:** <https://www.psegliny.com/saveenergyandmoney/greenenergy/ev/chargerrebate>

**Email:** PSEGLongIslandEVli@pseg.com



# Hosting Capacity Map

Provides available capacity to interconnect:

- Electric Vehicle Charging Stations
- Solar
- Energy Storage

Must request access in order to view the maps; Access approval is granted on an individual basis

These maps are updated on a quarterly basis and may not reflect the latest available information provided to the utility (if other service requests are submitted)

**Hosting Capacity Map**

Scan or click [here](#) to learn more



# Sign Up Today!

To learn more about our programs, visit:

<https://www.psegliny.com/saveenergyandmoney/GreenEnergy/EV>

