

Transportation Electrification Panel



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Charging Considerations for Planners & NYSERDA Charge Ready 2.0 Funding Program



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Subcommittee**

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Charging Considerations for Planners

- NFPA 72; National Electric Code (NEC) Article 625 Electric Vehicle Supply Equipment (EVSE)
- Engage and learn ; Understand the technology – hardware and network software
- Charging station siting considerations
- Understand the different markets/use cases: Multi Unit Dwellings (including hotels/motels), Workplace Charging, Fleets, Public – community (retail, restaurants, curbside), Public – corridor
- Work closely with PSEG – Long Island; build relationship and understanding
- Vehicle to Grid (V2G) issues and technologies
- Mobile Charging
- Utilize Request for Information (RFI) or Notice of Intent (NOI) to solicit information from industry (i.e. MASS Clean Energy Center)
- Charging as a Service – Tompkins County Dept. of Planning & Sustainability (DPS)

Charging Considerations for Planners

- Curbside Charging in New York City



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- NYC DOT is planning on adding curbside charging
- A pilot program yielded 72% utilization
- A curbside concept innovative approach is from Gravity, Inc. – Not Yet Approved by NYC Planning Design Commission. (Note: this is not an endorsement)
- Called “DEAP Trees” – Distributed Energy Access Points
- In use at a parking garage on 42nd Street
- Gravity is seeking approval for curbside
- Intent is to fit in seamlessly on streets for drivers for a quick “fill-up”

Charging Considerations for Planners

Resources:

- Electrification Coalition - <https://electrificationcoalition.org/resource/>
- Drive Electric Long Island - <https://driveelectriclongisland.org/>
- NEC Article 625 Electric Vehicle Supply Equipment - http://mydocs.epri.com/docs/publicmeetingmaterials/1112/PDNN5H5Q3Z2/Day%201%20PlugIn%20Electric%20Vehicle%20Codes%20Standards/D1_7C%20G%20Kissel%20Article%20625%20Restructure%20Proposal.pdf
- APA Zoning Practice – Preparing for the Electric Surge - <https://www.planning.org/publications/document/9257171/>



NYSERDA

Charge Ready NY 2.0



Incentives

Level 2 charger projects are eligible at the following location types:

- 1. **Workplaces**
(ex. office buildings,, factories, hospitals, universities)
- 2. **Multi-Unit Dwelling (MUD)**
(ex. apartments, condominiums, hotels/motels)
- 3. **Publicly-Owned Facilities**
(municipal parking lots, on-street parking on public right-of-way, government buildings, public libraries, municipal and state parks, municipal recreation centers)
Must be located in a NYS designated Disadvantaged Community (DAC) and accessible to the public

Charge Ready NY 2.0 Website:
www.nyserda.ny.gov/charge-ready-ny

For additional questions, please contact:
ChargeReadyNY@energycenter.org

Incentive Level (per port)	Workplace & MUD	Publicly-Owned Facility
Base incentive	\$2,000	\$4,000
Located in DAC	\$2,500	\$4,000
Assigned Parking	\$1,000	N/A
Minimum Ports per Site		
Small Location	Four (4)	Four (4)
Large Location	Ten (10)	Four (4)

> A large workplace must have over 100 employees working out of that location and a large MUD must have over 25 living units

Disadvantaged Community (DAC) Map
Locator:
<https://www.nyserda.ny.gov/ny/Disadvantaged-Communities>

Bonus Incentive Program

The Charge Ready NY 2.0 program will also offer bonus incentives to equipment owners at workplace and MUD locations who complete additional actions to promote EV adoption in their own fleets or with their employees/tenants

Workplace and MUD locations are eligible for Bonus Incentives

- > Equipment Owners must deliver four quarterly EV awareness informational newsletters developed by NYSERDA to their employees or tenants (email or print)
- > They must also complete two of the three following options:
 - Participate in/host one ride and drive event or host two or three smaller presentations from car dealers
 - Complete purchase of multiple new electric vehicles for workplace fleet
 - Offer free charging to employees or tenants for at least one year

Equipment Owners will qualify for the below incentive amounts upon completion of the above actions:

- > Small locations: \$4,000
- > Large locations: \$10,000

Site Eligibility

All locations:

- > Applicants may apply for up to 25% of the available parking spots, whether assigned or unassigned up to a maximum of 40 ports per site.
 - > The number of existing ports will be subtracted from the maximum amount allowed
- > All locations must have a minimum of 20 parking spaces.

WORKPLACES

- > More than 50% of available parking must be for employees

MULTI-UNIT DWELLING (MUD)

- > Must have ten (10) or more connected housing units
- > Motels/hotels are considered MUDs

PUBLICLY-OWNED FACILITY

- > If a municipal lot, the price for EV parking can be no more than the municipality's on-street parking rate

Thank You Questions?



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