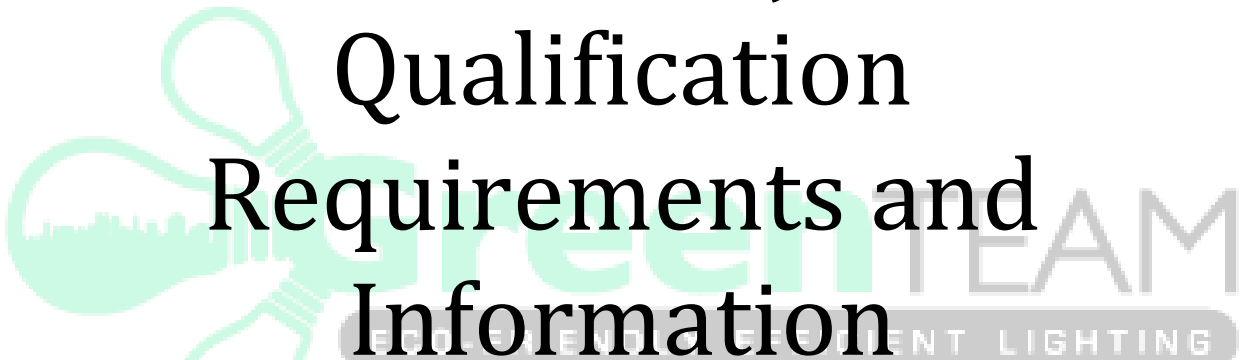


GREEN TEAM LIGHTING, LLC.

# Electric Vehicle Charging Station Projects Qualification Requirements and Information



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NYSERDA and National Grid Incentive Programs  
covering the installation & sale of EVSE

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## **National Grid EVSE Program Requirements**

- **National Grid will cover up to 100% of the cost of labor to upgrade electrical equipment and install Level 2 EV charging stations and infrastructure, pending approval.**
  - The plan is to prepare for the future fleet of Electric Vehicles (EV) the country will soon have in operating. If new panels are needed, upgraded service required, etc., this is acceptable and must be properly documented as to why in order to receive the incentive money from National Grid.
  - The Site Host / Equipment Owner (customer) is required to host three “Ride and Drive” events in the first 2 years of operation.
    - “Ride and Drive” events consist of a dealership bringing electric cars to the customer’s business location for employees to test drive. “Ride and Drive” events will be sponsored by The Green Team.
  - The Site Host is required to provide training on EV’s and EV charging stations to employees. Training documents will be provided by National Grid & customer training will be assisted by The Green Team. This is very simple – do not be scared!
- The Site Host may choose to offer employees incentives to convert to an EV, as well as receive incentive for converting their existing fleet to EV. These incentives are offered first to the customer’s employees by the customer, then reimbursable by National Grid after words.
- The initial term of this Agreement will commence on the EVSE Activation Date and continue for five years.
  - After the initial 5 years if the site host wishes to terminate the host agreement National Grid must be notified in writing within 30 days of the termination date.
- There is no minimum number of EV stations to qualify for the National Grid Program, however since this is working in conjunction with NYSEDA there is a **2 station minimum to be met!**
- The Site Host must be a non-residential Site Host.
- **All proposed projects must be approved by The Green Team and National Grid prior to commencement.**
- The Green Team will provide a satellite image of the work site. **Electricians are required to provide the location of the main distribution panel, location of the dedicated meter, and location of each charging station.**
  - The Green Team will then generate a graphic with the electrician’s information and share this information
- **Please provide a detailed quote listing all materials needed, itemized with total labor amount estimated.**
  - This will be sent to National Grid for approval, so the more detailed the quote is, the more likely the project is to be approved quickly.
  - Electricians: Once you are finished with your quote, email it to [Info@CNYGreenTeam.com](mailto:Info@CNYGreenTeam.com) for approval. Once a The Green Team representative is assigned to the project and the original quote is approved, we will send everything together to National Grid to receive final approval and begin the installation.

- If something does not meet today's electrical codes and needs updating to accommodate the customer's new EVSE demands, please document & include in quote

**Figure 10** Older electrical panels, such as these examples, may require upgrades to meet today's electrical codes  
 Courtesy Energetics Incorporated



- Please include protective bollard placement in your labor quote – the units need to be protected from snow plows (we're in upstate New York, after all...), as well as to protect against distracted drivers. Additionally, we may want to consider adding safety lighting for 24/7 usage. The Green Team has lights ready to go, so please discuss this with your GT rep to coordinate.





- Please include labor quote for installing signage, and number of signs required, to indicate which spaces are EV Charging Ready.
  - The Green Team will provide required signs & recommends at least 2 signs used per station. Please consult with the customer during development. See examples below.

Figure 17. EV general service signs, regulatory signs, and trailblazing sign  
 Images 1-3 (left) courtesy of MUTCD, Images 4-5 (right) courtesy Energetics Incorporated





D9-11b  
Electric Vehicle  
Charging



D9-11bP  
Electric Vehicle  
Charging



Figure 3: California Supplemental  
EVSE General Service sign

Figure 2: MUTCD approved General Service signs  
and plaques for EVSEi



Figure 5: Regulatory signs developed for testing in Michigan, Oregon, and Washington<sup>iii</sup>



Figure 6: MUTCD Temporary Recommended Regulatory Signage



Figure 8: Example of Regulatory Signage Stack<sup>v</sup>



Figure 7: PEV Parking Stall with Recommended Symbol on Pavement<sup>vi</sup>



Photo 5. The EV fleet charging stations at Public Service Company of New Mexico are clearly marked as EV parking.  
Photo from P.J. Ray, NREL 40334.

## **NYSERDA EVSE Program Requirements**

- NYSERDA will provide incentives to pay for material cost of the EV charging station, which The Green Team will provide and maintain for the customer.
- **NYSERDA EV charging station location requirements:**
  - Public Parking Lot
    - Any parking lot with at least 10 spaces that is open to the general public for a minimum of 12 hours/day 5 days/ week
    - Restaurants, gyms, schools, municipal buildings, shopping centers, parks, nature centers, museums, libraries, etc.
  - Workplace
    - Any parking lot with at least 10 spaces that serves employees. The Site Host must employ at least 15 people.
  - Multi-unit Dwelling
    - A parking facility with at least 8 spaces that serves a multi-unit dwelling of at least 5 housing units.
  - Charging stations must be networked and able to process payment
- At least two (2) EV charging stations must be installed at the eligible location.
- All proposed projects must be approved by The Green Team and NYSERDA prior to commencement.
- Approved project must be installed within 180 days.
- Customer must provide NYSERDA with data concerning the EV Charging Stations for a minimum of 4 years
  - The Green Team will facilitate the data share between the Customer and NYSERDA during this time
  - This also requires a minimum of four (4) years subscription to the EV Charging Station's back-end software, which The Green Team will maintain and manage for the Customer

## General EV Charging Station Information

- The Green Team guarantees all charging stations will comply with National Grid and NYSEERDA incentive program guidelines.
- Charging stations allow the creation of accounts to determine how much is charged per kW used.
  - For example: Employees may be required to pay for only the amount of energy consumed, while the general public is required to pay 1.5x the amount of energy used to help recoup some costs associated with operating the EV Charging Station.
  - The Green Team has NYSEERDA documents outlining proper policy and procedure regarding workplace charging etiquette; provided to customer.
- Level 2 charging stations add 25-30 miles of driving range for 1 hour of charging.
- Charging stations installed in parking lots must have bollards or other forms of protection to prevent damages from drivers and snowplows. Include these infrastructure requirements in the labor quote provided to The Green Team.
- Each charging station requires a dedicated breaker from 40A – 50A, depending on the Level 2 charger being used. See spec sheet given per that project.
- Please include labor quote for installing signage, and number of signs required, to indicate which spaces are EV Charging Ready. The Green Team will provide required signs & stencils, as needed.

