



Electric Vehicle Charging Station Installation Guide

Version 1 / January 2022



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Overview

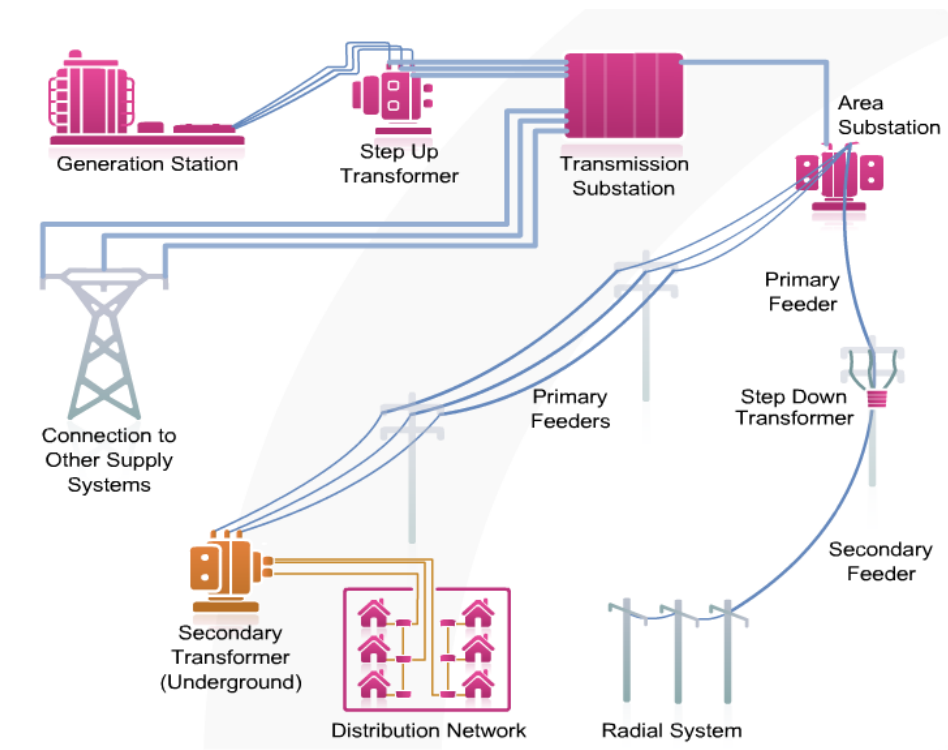
This guide is for Con Edison customers who are considering installing Electric Vehicle (EV) chargers that are or will be connected to Con Edison's electric distribution system. This guide is intended for installations of Level 2 (L2) and Direct Current Fast Chargers (DCFC).

This guide is intended to provide high level details of the electric installation process, typical steps, challenges, and technical solutions associated with adding EV charging station projects to established electrical services. This guide is not a design or technical specification.

In addition to the utility requirements, local or state officials may stipulate additional provisions for the installation of equipment and materials that are in their authorized areas of responsibility and jurisdiction. Should you have any questions regarding this guide, please contact your local Con Edison Customer Service Representative. Consult your assigned Con Edison representative to ensure you are using the most current standards and specifications. Applicant electric service and meter installation arrangements are subject to Con Edison's review and approval. Applicants should submit a Work Request as soon in the planning process as possible.

The Con Edison Electric System:

For more than 190 years, Consolidated Edison Company of NY, Inc. has served the world's most dynamic and demanding marketplace – metropolitan New York while maintaining a safe and reliable electric supply to more than 3 million customers. We have employees on duty 24 hours a day, 365 days a year to ensure the safety and reliability of our system.



This guide is intended to protect the mutual interest of our electric customer and Con Edison. Close attention and adherence to our Electric Specifications will ensure timely and efficient installation of an electric service that meets your requirements.

This guide will be revised and/or amended as required in keeping with developments and progress in the electric industry. The latest revision of this handbook may be obtained at:

<https://www.coned.com/en/small-medium-size-businesses/building-project-center/contractor-resources>

At ConEdison when we say: "We're here to help," we mean it! Our responsibility is to provide our electric customers with safe, reliable, and cost-effective service. Con Edison operates one of the most complex electric power systems in the world. It is also the world's most reliable.

Before you start planning your project, please visit <https://www.coned.com/en/small-medium-size-businesses/building-project-center> to create a Service /work Request using Con Edison's Project Center application.

To ensure a timely service connection, your application should be submitted well in advance of the date service is required. All customers are required to consult with the company regarding service availability before the completion of plans, purchase any equipment and before any construction commences on a facility that you plan to connect to the company's electric distribution system.

Approximately one week after Con Edison receives a work request from you and/or your licensed contractor, you will receive correspondence indicating the name and contact number of the representative handling your case. Please check this site before contacting our representative. Our representatives are responsible for specific geographic territories, or districts. A list of our representatives can be found on-line at <https://www.coned.com/en/small-medium-size-businesses/building-project-center/contact-us>. We will be happy to provide you with information and assistance, as well as ways to save you energy and money.

Definitions

Authorities: The municipal authorities, legal authorities, and any other agencies legally authorized to regulate or inspect the customer's installation or equipment.

Approved Contractor: A contractor who has met the utility's approval criteria to install EV charging infrastructure incentivized through the EV Power-Ready Program.

Company: Consolidated Edison Inc. its subsidiaries and our agents.

Contractor: An individual, or group of individuals licensed by the authorities having jurisdiction, retained by the customer to perform electrical work.

Customer: A present customer or an applicant for Con Edison Electric services.

Direct Current Fast Charger (DCFC): Converts Alternating Current (AC) power to Direct Current (DC) within the charging station and deliver DC power directly to the battery. DCFC charging rate falls within a range of 50kW to 350kW.

Energy Services Representative: The representative assigned to the project may include:

- Commercial Services Representative (CSR)
- Customer Project Manager (CPM)
- Authorized Trained Con Edison or Contractor personnel
- Other Authorized Trained Energy Services Personnel

EV Power-Ready Program: A program that provides incentives for the installation of electric infrastructure to support the deployment of L2 and DCFC light-duty EV chargers in New York State.

Excess Distribution Facilities (EDF): Electric service will be supplied to a building or premises through a single service line, except where, at the expense of the requesting customer, improvement of service conditions, or magnitude of the Customer's load, the Company elects to install more than one service line.

Level 1 (L1) Charger: A cord/charging system that typically came with a vehicle that can be plugged into a standard household 120V circuit outlet. Level 1 charging rate falls within a range of 1.5kW.

Level 2 (L2) Charger: A 208/240-volt AC plug that requires the installation of charging equipment. Level 2 charging rate typically falls within a range of 3kW to 20kW.

Participant: An entity that applies for and receives the incentives available through the EV Power ready Program. This could be any entity including:

- Developer: An entity responsible for designing, constructing, and commissioning an EV charger site. This entity may also be responsible for owning, managing, and operating the chargers.
- Equipment Owner: The entity that purchases and owns the EV charging equipment once it is installed.
- Site Host: The owner of the site on which the EV charging equipment is installed. The Site Host may or may not be the Equipment Owner.
- Customer: An entity taking service from the utility.

- Approved Contractor: As defined above

Point of Service Termination: The point at which the company terminates its service lateral and the customer's wiring begins.

Premises: A parcel of land; or more than one building and/or parcel of land proximate to each other if there is common use, whether such buildings or parcels are individually owned or leased or separated by public or private roads

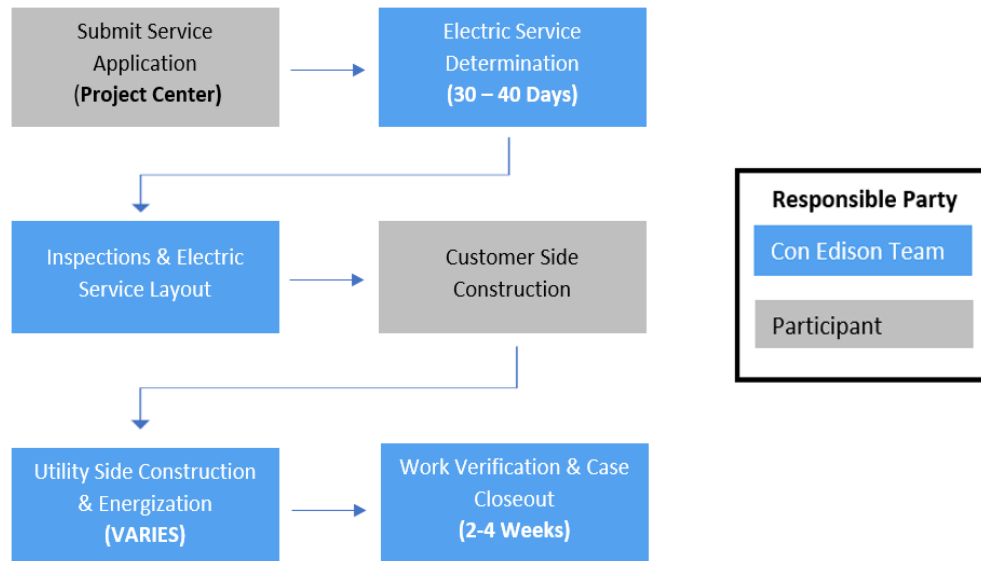
Service Connection: Connectors attaching the company's conductors to the customer's wiring

Service Entrance: That part of the customer's installation from the point of attachment or termination of the service lateral to and including the service equipment on the customer's premises.

Service Equipment: All equipment from the point of service termination, to and including, the metering equipment and the means of disconnect.

Steps for Requesting Electrical Service for their Electric Vehicle Charging Station Installation

Customer requests for a new or additional electric service for their new EV charging station installation, should be submitted through our website, <https://www.coned.com/en/small-medium-size-businesses/building-project-center> Project Center.



Step 1: Opening a Work Request/Case

When you are ready to begin the process for a new electric service, and/or for an electric service information ruling for your new EV charging station, please have a licensed professional installer create a work request/case.

- Initiate Project Center by visiting <https://www.coned.com/en/small-medium-sizebusinesses/building-project-center> and e-file the work request
- Input the request by completing the load letter with further details about your new or additional electric loads.
- Input additional required documentations (see Application section below).
- Con Edison will follow-up by sending an Acknowledgement Letter confirming your request for the referenced location and the assigned Case Number to track the progress of the request.
- Con Edison will arrange scheduled meetings with the customer/customer's agent to discuss the preliminary electric service layout while working with the customer to ensure the most economic means are addressed and that the project is satisfactory and installed with no delays to the service completion date.
- The company will determine the location of any existing Point of Entry (POE) to the building. A preferred POE will be an additional cost to the customer. The property line/building line and other easement concerns should be identified during the application. Tracking the job progress can be done by a registered user (customer/contractor) in Project Center. The registered user

can also quickly review the status of current cases, receive e-mail alerts when milestones are reached, or inquire about the status of the project.

Step 2: Electric Service Determination/Ruling

A Con Edison Representative will initiate an assessment of your project as follows, this can take up to 30 days:

- Further review and analysis of the customer/contractor work requests
- In the scenario that the existing electric service is not adequate, the company will issue the necessary work orders to the construction department to excavate and install electric service lines according to approved engineering layouts
- Customer and contractor will be issued with approved service layouts with all current company specifications, meter drawings, outlining the company and customer responsibilities. Electric Service Determination /Rulings are valid for (60) days from the date of issuance

Step 3: Inspections & Electric Service Layout

A Con Edison Representative, depending on the Case request type, may:

- Discuss with the customer/contractor how to obtain the necessary city certificates related to the installation to avoid a delay in service completion
- Monitor the progress of work by customer/contractor through field visits and e-mail correspondences
- Encourage customer to use Project Center to track their case and obtain status updates by contacting the assigned representative to avoid any company delays such that the customer service date cannot be met
- Conduct site visits to verify the status of customer's project and discuss case details and/or specifications with the customer's contractor
- Discuss the details of the Electric Service Layout which includes a sketch and description of company construction work to be performed, Layouts and Cost Estimates are valid for ninety (90) days from the date of issuance

Step 4: Construction of Electric Service Installation

A Con Edison Representative reviewing the customer's project progress will determine when to release the requests to the appropriate groups for the construction of the facilities. Con Edison will begin its utility-side work after customer-side work has progressed and Con Edison can verify that work is being installed to Con Edison specifications. These groups, may include:

- Construction Management – oversees third party contractors working for Con Edison on the installation of Con Edison-owned facilities
- Electric Construction – installs Con Edison infrastructure such as mains and services
- Customer Operations – establishes customer account and associated rates, collects payment agreement for deposits

A Con Edison representative will conduct verification that the wall sleeve has been installed to Con Edison specifications in the building point of entry

If your EV charging station requires a transformer vault installation, you must contact Energy Services Representative to schedule a final inspection. For more information, see Con Edison Electric Blue book - Space for Transformer Apparatus, which also discusses the Developer Agreement option for vault construction.

All work shall be done in accordance with Con Edison's requirements that are explained in the Con Edison blue book, <https://www.coned.com/-/media/files/coned/documents/small-medium-large-businesses/electricbluebook.pdf>, and the customer will obtain all necessary approvals from authorities having jurisdiction before service will be supplied. Con Edison required a minimum of 48 hours' notice to arrange for the inspection of service conduits in a trench and for a final inspection.

For a new service, electric service cables will not be installed prior to the installation of sewer and water mains. The roadway and the area between the property line and the curb line must be graded within 6-inches of final grade. Sidewalks should not be installed until after service cable or conduit installation by Con Edison is completed. Con Edison will furnish, install, and maintain service cables between Con Edison meter equipment and customer's property line.

Step 5: Final Inspection and Electric Meter Turn-On

The customer must contact the assigned Con Edison Energy Services Representative upon the completion of his/her work by submitting the Final Inspection Checklist, Contractor Certification and Electric Certificate to obtain a final inspection and the installation of an electric meter. The customer must also submit an Application for Service before a new account is created.

Unauthorized Unmetered (Flat) connection are prohibited.

- A Work Order will be issued for an electric meter by Energy Services when a final inspection has been completed and passed with no deficiencies.
- The electric meter is the property of Con Edison – its size and type are selected based on the electric service ruling for residential and commercial dwellings.
- Con Edison Meter Department will deliver, set, and turn on the electric service.

Step 6: Validation Completed & Case Closeout

Once the final documents are received and reviewed a Con Edison Energy Services Representative will:

- Review the case work request, verify the accuracy of the customer's account and billing, as well the documentation of any revenue associated with the project.
- When all the case tasks have been verified, the case is closed out.

Processing for Electric Vehicle Charger Installation

The timeline of every EV project is different. It is dependent on the information provided by the customer and the size of the existing service. These projects can take anywhere from 3 to 22 months to complete. Service dates are not set in stone and are always subject to change. Below is a high level break down of the project flow for installing EV charger. If you are applying for incentives from the Con Edison PowerReady Program, please refer to the Con Edison website, (<https://www.coned.com/en/our-energy-future/technology-innovation/electric-vehicles/power-ready-program>) for more a more in-depth guide.

Service Application

Con Edison's service application process uses Energy Services Project Center platform, to manage and track Program service applications. Applications for PowerReady incentives should be made through the PowerReady website.

The application will request that the customer provide the information below for the Company to process and evaluate the application. The following information will be requested:

1. An Original Work Request stating the service address, customer information and scope of work. This is auto generated from the information entered when applying for a service request through Project Center (see Exhibit A).
2. A Letter of Customer Authorization signed by the customer, authorizing the contractor/developer to do work at the service address. (see Exhibit B).
3. A Site Plan that shows the location of chargers and the point of entry for electrical cables (see Exhibit C).
4. A site specific One line diagram that shows the three-phase electric power system, including the service address, service voltage, existing meter information, existing service and breaker design. (see Exhibit D).
5. A Load Letter that describes the scope of work including, the type of charger, number of chargers and total load. Any load curtailment or building load management system that operates the EV charging system (see Exhibit E).
6. The EV Charging Station Equipment Cut Sheet, this provides all the information on the type of charger that will be installed (see Exhibit F).
7. The Power ready Program Letter, which is provided from Con Edison upon approval of Power ready application (see Exhibit G).

Once all documents are submitted by the customer, an Energy Services representative will review them. If all documents are approved, the service determination task will begin. The service determination cannot be completed until all documents listed above are submitted and approved.

If any modification or error is made throughout the application process, please notify the customer project manager immediately. This may require documents to be reuploaded in Project Center, or in some instances a new application.

Service Determination

After all documents are received from the customer or their contractor, Con Edison engineering team will perform a system load study and provide a service determination indicating whether the existing service is adequate to carry the EV charging station loads, the service voltage, the number of feeders and transformers required, the preferred point of entry, etc. If upgrades are required, the Customer will use this information to develop the Customer's preliminary design. The following are possible outcomes depending on their electric service.

- **Electric Service is Adequate**
The existing electric service is ruled adequate, and no additional work is needed. This ruling indicates that a new service is not required, and customer construction can begin.
- **Electric Service is Adequate – New Meter Required**
The existing service is adequate, but a new meter and meter panel is required. Customer construction can begin, and once the new meter panel is installed an inspection will be needed. A new meter installation is scheduled to take one week.
- **Electric Service is Adequate – New Point of Entry (POE)**
The existing service is adequate, however a new point of entry is required or requested by the customer. If sub-surface construction is required, it can begin once the customer obtains the required permits.
- **Electric Service is Not Adequate**
The existing electrical service is not adequate to hold the additional loads from the EV chargers. This requires reinforcements to the service. Once the customer obtains the required permits, construction can begin.
- **Electric Service is Not Adequate – New Point of Entry (POE)**
The existing service is ruled not adequate, and a new POE is required or requested by the customer. This requires a service reinforcement and construction of a new POE.

Depending on the existing service determination there may be additional work needed from Con Edison. Regardless of the service determination ruling, the customer must submit a DOB certificate. Additional construction cannot begin until the DOB certificate is received. The timeline for each project is subject to change based on the ruling determination and any other obstacles faced throughout the installation process.

Construction

Once a design is created by engineering and the DOB has been approved, the customer can begin construction. A final inspection will be conducted by a Con Edison Customer Project Manager. After customer's construction is complete the customer must submit a Final Checklist (see Exhibit G) and Contractor Certification (see Exhibit F), this document provides the load, account number, meter number and additional information. Once this information is received, Con Edison will begin construction and energization.

For the duration of construction and energization are various which depended on the scope of projects. For example, that project involved with new vault installation to the service energization is about 11 months.

Subsurface Construction: The city of New York places an embargo on non-emergency street excavations during the winter holiday period to minimize traffic disruptions. Customer service conduits need to be installed before the Con Edison start to any subsurface work. The customer should ensure the site access clear all the time to allow Con Edison to build the necessary ducts or vault work before the embargo periods. The New York City's embargo periods are typically from November 16th to January 2nd.

Electrical Installation: Con Edison does not typically perform non-emergency work on primary feeders between May 15 and September 15.

Contaminated sites: Con Edison does not install transformer vaults in contaminated soil. If the soil is contaminated, the customer will be required to remediate the condition. When ground water is associated with a contaminated site, a containment structure is required to house the transformer vault. The customer will be required to enter a customer's developer agreement to install the vaults.

If the site is a dry location (no water condition), the customer may over-excavate and replace with clean fill.

The customer will incur the cost to remediate the site, which would include the design and construction of the containment structure, and/or to over-excavate and replace with clean fill.

The customer must provide Con Edison with soil borings, environmental study and building plans at the start of design. Con Edison approval on the proposed remediation method is required.

Metering/Energization: Customer needs to follow the Blue book to install the meter panel and other equipment as per PSC's requirement.

Transformer Vault Installation

Con Edison supplies service to buildings at our standard voltage of 120/208 Volt. In addition, 265/460 Volt or high-tension service is available, but may involve an incremental cost to the customer. When transformer vaults are required to serve the new EV's load, it is essential that the customer consider the vault requirements before proceeding with the design of EV installation. This will mitigate costly design changes and/or delays to the project.

It is the Customer's responsibility to provide Con Edison the suitable space and reasonable access, without rental charge.

There are special considerations for ventilation and access for vault installations. For example, all Con Edison transformer vaults require natural ventilation. This is usually provided through gratings on the sidewalk, which also provides a means of entry for Con Edison personnel to maintain, remove, or install equipment. To facilitate access and ventilation, the space for vaults shall be adjacent to the curb line and should be outside the building and immediate below street grade.

If such space is not available between the Property and Building Lines our customer project manager will help and work with you to determine the feasibility of installation. For instance, installing equipment in

the sidewalk area that between the property line and curb line is possible as long as it meets various governmental and Con Edison clearance and design requirements.

Most of the customers prefer to install the transformer vaults in the sidewalk because it is the optimum location not only for installation, but also for maintenance and operation of the equipment. In addition, when a 265/460 Volt installation is installed, the transformer vaults are installed within the sidewalk area, but a separate network compartment is required and is installed in a controlled environment within the building.

When transformer vaults are installed within the sidewalk area, many aspects of the operation must be taken into consideration to ensure that adequate space and clearance are provided to meet all Con Edison and New York City Department of Transportation (NYCDOT) requirements, which can be found at <http://streetworksmannual.nyc/appendices/appendixb>.

We strongly recommend the customer to review with the NYCDOT's requirements as soon as possible and set up a meeting with DOT to obtain their concurrence on the vault location.

Transformer Installation Process

There are a number key milestones involved in a vault installation project. The Customer should include these in the project timeline and the schedule should be updated after each milestone has been reached.

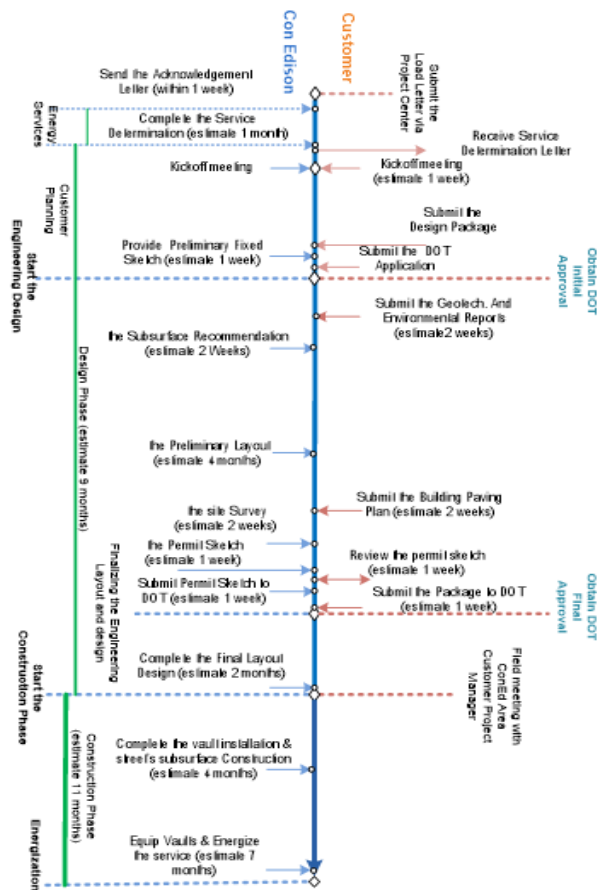


Figure 1- Project's Major Milestones

Experience shows that the duration of a vault installation project is largely determined by the pace of the design; obtain DOT's approval and construction of Customer facilities, etc. The Vault installation projects typically take two to three years or more to be completed which is depending on the complexity of the Customer's design. Early submission and close coordination are critical to ensure the Customer's desired service date is met. Con Edison's construction activities will be coordinated to accommodate the customer's schedule.

Exhibit A

(Sample of Original Work Request – 1 of 2)

Service Request Summary

Basic Information

Service Area:
Building Type: **Commercial**
Service Type: **Existing**
Utility: **Electric**
Request Type: **Electric Vehicle Supply Equipment (Charging Station/Equipment)**

Service Address

Building Number:
Street Name:
City:
State:
ZIP:
NY State Road?

Contractor Information

First Name:
Last Name:
Company:
Phone:
Cell:
Email:
License Location:
License Number:
Street Address:
City:
State:
ZIP:

Customer Information

First Name:
Last Name:
Company:
Is this a government organization?
Phone:
Email:

Exhibit A

(Sample of Original Work Request – 2 of 2)

Street Address:

City:

State:

ZIP:

Additional Contacts

First Name	Last Name	Email	Phone	Role

Commercial Load Information

Garage: No new meters

Number of Square Feet: 1 (Gross)

Electric Load:

Load Item	Quantity	Each Amount	Total Amount	Phase	LRA	FLA	Item Usage Desc.
Level 2 - 208 Volt (EVSE)	4	7.60	30.40 KW	Single			L2 EV chargers
Totals: 1 item, 30.40 KW, 35.76 KVA							

Scope of Work

Please specify the scope of work for this request:

Install four (4) CP203 EV charging ports assembled in four (4) wall-mounted configurations; power to feed stations from existing source

Exhibit B

(Letter of Authorization – 1 of 2)

Customer Name:

Customer Company Name (if Applicable):

Customer Address:

City, State Zip Code:

Account Number:

Date (MM/DD/YYYY):

Attn:

Energy Services and EV Make-Ready Team
Consolidated Edison Company of NY
4 Irving Place New York, NY 10003

To Whom It May Concern:

I, _____, authorize
Print Customer Name & Company Name (If Applicable)

_____ to act on my behalf on all matters
Print Developer/Contractor/Consultant Name & Company Name

pertaining to the utility service evaluation and/or installation of utility infrastructure to support

the _____ Electric Vehicle Charging Station(s) to be
of Chargers Make/Model of Chargers

installed at my property at _____.
Address of Installation, City, NY Zip code

In addition, I acknowledge that _____
Print Developer/Contractor/Consultant Company Name

has applied to the Con Edison Electric Vehicle Make-Ready program (PowerReady) as the
primary Participant. They will bear all responsibility for the program requirements, and as such,
will be the recipient of all incentive payments from Con Edison for the project. I acknowledge

Exhibit B

(Letter of Authorization – 2 of 2)

that Con Edison may need to access the site to verify the Electric Vehicle installation and agree to cooperate as needed.

If you have any questions, I can be reached at _____
Phone Number

Sincerely,

Signature

Date (MM/DD/YYYY)

Print Name

Exhibit C
(Example of Site Plan)

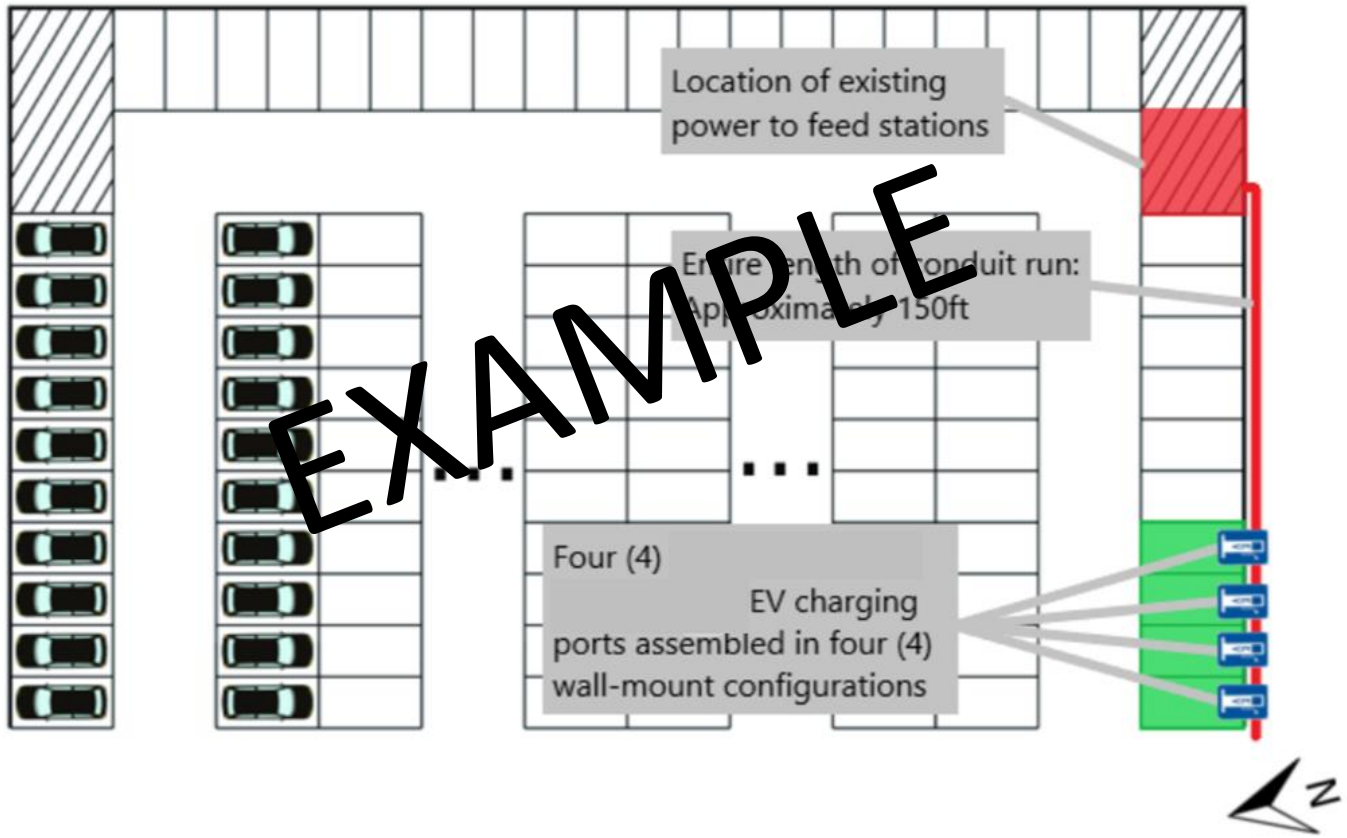


Exhibit C
(Example of One Line Diagram)

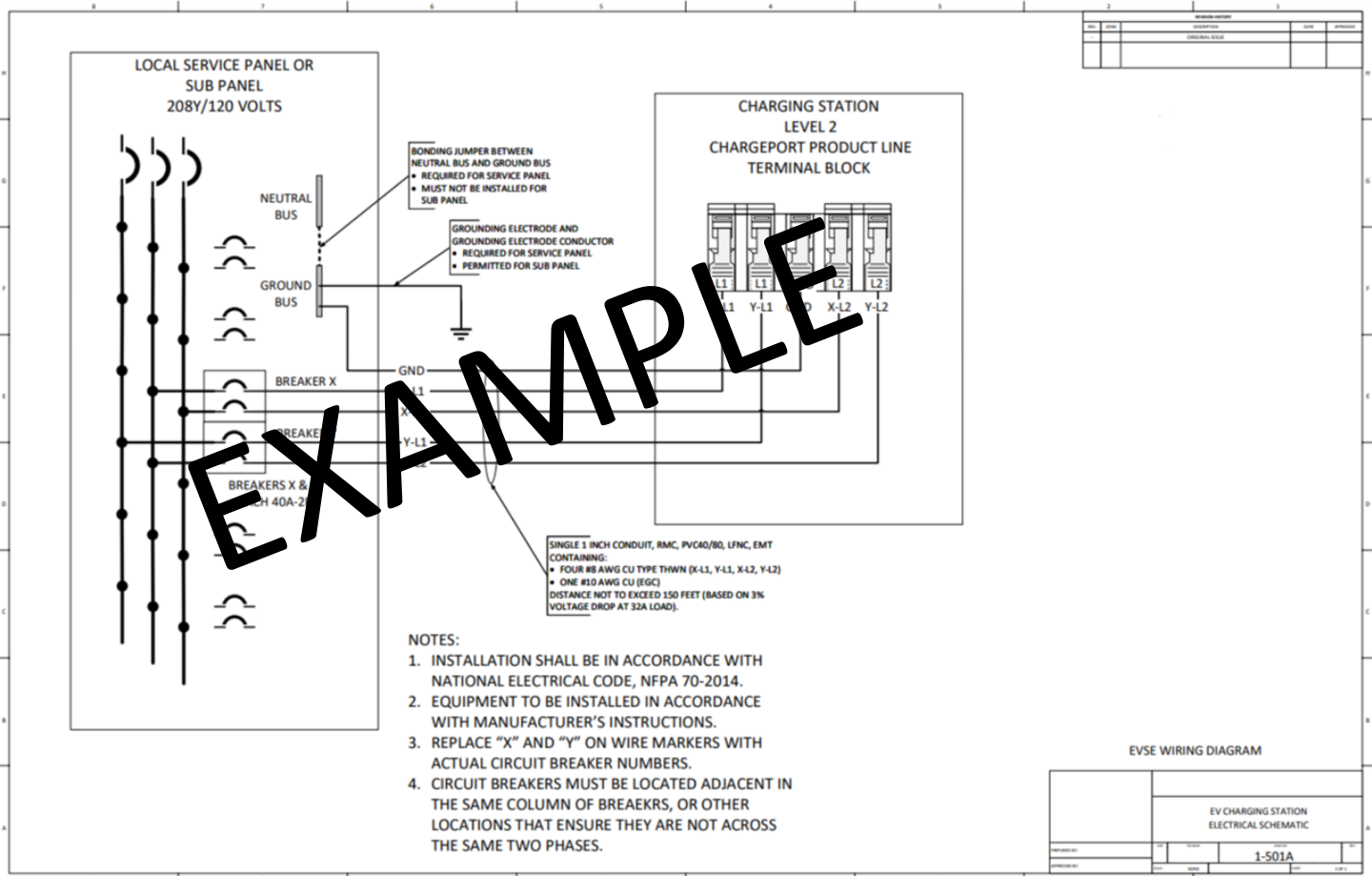


Exhibit D
(Load Letter – 1 of 2)



CON EDISON POWERREADY EV CHARGING STATION INFRASTRUCTURE INCENTIVE PROGRAM
EV Charging Station Install Load Letter Template

Today's Date:

Contact Details:

Service Address:	
Building Type:	
Owner's Name:	
Owner's Phone:	
Owner's Email:	

Consulting Firm:	
Consulting Firm Contact:	
Consulting Firm Telephone:	
Consulting Firm Address:	
Consulting Firm Email:	

New or Existing Service:	
Service or Requested Point of Entry (POE):	
Estimated In-Service Date:	
Square footage of Charging Station Installation:	
End Use of Charging Station:	

Electric Load Information:

Charging Station Type (Make & Model)	L2 or DCFC?	Plug Quantity	Max kW per Charging Station	Total kW	Phase	Input Power Required (volt and amp)

Details of Scope of Work:

Exhibit D
(Load Letter – 2 of 2)



Describe any load management software or hardware that will be installed with EVSE:

Describe other load items that will share meter with EVSE (including renewables):

Describe future proofing plans:

Exhibit E
(Example of Cut Sheet)

CP 203

LEVEL 2 COMMERCIAL CHARGING STATION



The Premium CP 203 Electric Vehicle Level 2 charging station provides 7.6 kW and is designed as an all season station with heavy duty housing an 18' standard or 25' optional winter-ready cable. Available in wall and pole-mounted configurations, and with functionality in either stand-alone mode, or with a full range of network and payment services including Smart Grid/Demand Response. The unit complies with all J1772 standards, and is capable of providing up to 40A at 208-240V AC, single phase, 50/60 Hz. The CP 203 is capable of being controlled remotely to apply, reduce or disconnect power to the electric vehicle, and measures both the supplied voltage and current. Turn the charger on using simple On Activation or a mobile phone application. The station communicates directly with a Payment or Gateway Module, and five LED status lights indicate the state of the charging operation. Network software utilizes OCPP making the station capable of universal access. Integrates with parking payment systems and campus card (Blackboard and CBORD).

Public/Private Commercial Level 2 Charge

Model	CP-203
Connector Type	Type 1, J1772
Voltage	208/240V AC, Single Phase
Max Current	40A
Required Circuit Breaker	40A
Frequency	50/60 Hz
Charging Cable Length	18 ft. (up to 25ft)
Cable Management	Retraction system available
Meter Accuracy	3%
Communications	WiFi
	Cellular
	RFID
	Protocol
Temperature Ranges	Operation
	Storage
Dimension (HxWxD)	11.14" x 7.56" x 3.11"
Mounting Type	Wall or Pedestal
Ratings	IP
	Impact Resistance
Certifications	FCC 47 CFR Part 15B, UL 507991/1449/1998/2231/2594
Warranty	3 Year



Smart Charging Solutions for Electric Vehicles



Exhibit E
(Power ready Program Letter – 1 of 2)



October 1, 2021

Re: Light-Duty Electric Vehicle (EV) Make-Ready Program (the "Program") Sponsored by
Consolidated Edison Company of New York, Inc. ("Con Edison")
Application for project (the "Project") by _____ ("Applicant")

Dear Applicant,

We at Con Edison are pleased to confirm Applicant's eligibility to participate in the Program.

Details regarding the Project include the following:

- Applicant name:
- Site host name and address:
- Number and type of plugs: 4 Non-proprietary L2 plugs
- Site end use: No-fee public parking within 1/4 mile of Disadvantaged Community
- Futureproofing, if applicable: No

Based on the information provided regarding the Project, preliminary incentive eligibility is determined to be up to 5% of qualified costs. See the [Participant Guide on the Program website for more on incentive determination](#). Please note that while the preliminary incentive eligibility determined represents the maximum incentive eligibility level, the actual incentive amount may be lower based on several factors, including total site costs and the general competitiveness of the Project when compared to other projects. The actual incentive amount will be determined by Con Edison upon completion of the following items:

- Selection of service point of entry (POE)
- Engineering review and associated estimates of utility-side work necessary to ensure that the grid infrastructure can support the Project, if applicable
- Review of estimated customer-side construction work cost
- Futureproofing costs, if applicable
- Acceptance by the Applicant of the agreement terms and conditions for participation in the Program

This incentive may be combined with NYSERDA's [ChargeReady](#) program for L2 chargers as well as Con Edison's operating incentives for public DCFC chargers including the [Business Incentive Rate](#) and [Fast Charging Per-Plug Incentive](#). Additionally, all private and fleet vehicles charging in the Con Edison territory are eligible for the [SmartCharge NY](#) incentive program.

Exhibit E

(Power ready Program Letter – 2 of 2)



If the Applicant would like to pursue the Project, please proceed to Con Edison's [Project Center](#) to submit the application necessary to ensure electrical service. The following information must be included for the service application to be reviewed:

- This letter
- Letter of Authorization from the "Site Host" or customer (if applying on behalf of a Site Host/customer) providing authorization to proceed with the Project
- Site Plan showing particulars relevant to the elements of the Project, including the Applicant's preferred POE for electric service, if applicable
- One-line diagram showing particulars relevant to the elements of the Project
- Load letter stating the nature and extent of the increase in electrical service expected upon completion of the Project

When on Con Edison's Project Center, in order to be routed to the correct Con Edison team, it is important to select "existing service request" and then "Electric Vehicle Supply Equipment." **Please note that "existing service request" must be selected even if the request is for new service.**

For more information on the Program and obligations necessary for participation in the Program, please visit the Program [website](#) or please email the Con Edison EV Team at EVMRP@coned.com.

Sincerely,

Con Edison's EV Team

Exhibit F
(Contractor Certification)

Electric Vehicle Installation

CONTRACTOR CERTIFICATION

The undersigned, on behalf of the contractor referenced below, hereby certifies as follows:

- 1. I am principal/employee (circle one) of the following contractor ("Contractor"):

Name of Contractor: _____
Address: _____
Phone Number: _____

- 2. I am authorized to make this certification.
- 3. Contractor has installed electric vehicle chargers (the "System") at the service address of the following Consolidated Edison customer ("Customer") (attach additional sheet if necessary):

Customer Name: _____
Service Address: _____
Consolidated Edison Acct. No.: _____
Consolidate Edison Meter No.: _____
Name of EV Manufacturer: _____
Model Number: _____
Number of EV Plug: _____

- 4. The System has been installed in conformance with the one-line diagram accepted by Consolidated Edison and is connected to the "load side" of the Consolidated Edison meter.
- 5. The System has been inspected and/or approved by local authorities who have jurisdiction.
- 6. A copy of this Certificate has been furnished to Customer.

IN WITNESS WEHEROF, the undersigned has duty executed this certificate this _____ day of _____, 202___. (NOTARIZATION IS NOT NECESSARY FOR THIS CERTIFICATION.)

Signature:

Print Name:

Title:

Exhibit G
(Final Checklist - 1 of 2)

Request for an Underground Electric Inspection Checklist

(_____ Interim or _____ Final Inspection Requested)

Job Address: _____ **Borough:** _____ **Case ID#:** _____

Contractor Name & Signature: _____ **Phone Num:** _____

Dates: Scanned/Uploaded: _____ **Inspection Requested:** _____ **Confirmed Appt:** _____

Interim or final inspections will not be performed prior to issuance of a Service Layout (2-80). Upon receipt of the Service Layout, if new duct is required, complete the interim items first and immediately notify Con Edison. Con Edison requires a minimum of 30-days to plan and install facilities in the street. Additionally, Con Edison's service work is generally completed within 10-days of installation of facilities in the street, receipt of "Certificates" and passing Final Inspection. Please indicate "Y" in the applicable box for completed items and "N/A" where items do not apply.

Category	Action Description	Contractor Completed	CE Inspection	
			OK	N/A
Interim	Sweep/Sleeve Installed and Grouted Flush			
	Property line Box Installed			
	Curbs, Water and Sewer Installed w/site at Final Grade			
	Current Transformers Installed			
Final General	City/UW Certificate Issued (# _____)			
	Approved Metering Equipment Installed			
	Meter Pan Bonded, Installed and Wired to Specification			
	Equipment installed to Specification and Part Supplied marked			
	Main Disconnect Switch Installed			
	Water Pipe Ground Installed (within 5 feet of the water service point of entry. Westchester has no constraint on ground location on water service for industrial or commercial application.)			
	Driven Ground Installed			
UG	End-line Box Installed to Specification			
	Copper Detail, Crabs and Ring Bus Installed to Specification			
	Customer Service/Gap Cables Installed			
	CT Coils and 10-point Wiring Installed to Specification			
OH	PLEASE REFER TO THE OVERHEAD INSPECTION CHECKLIST			

Effective November 2013, failed inspections will result in a \$188, plus taxes, service charge to you. Using this checklist can help avoid inspections and delays in service work. We will work with you to help ensure that your job(s) go smoothly and are satisfactorily coordinated with our activities.

Please scan and upload this document into your case via Project Center at <https://apps.coned.com/esweb/login.aspx>

Exhibit G
(Final Checklist - 2 of 2)




Request for an Overhead Electrical Inspection Checklist

Rev 01/2017

(_____ Interim or _____ Final Inspection Requested)
 Job Address: _____ Borough: _____ Case ID#: _____
 Contractor Name & Signature: _____ Phone Number: _____
 Dates: Scanned/Uploaded: _____ Inspection Requested: _____ Confirmed Appt: _____

**** Please **SCAN AND UPLOAD** this document into your case via **PROJECT CENTER** ****

Interim or final inspections will not be performed prior to issuance of a Service Layout (2-80). Upon receipt of the Service Layout, if new duct is required, complete the interim items first and immediately notify Con Edison. Con Edison requires a minimum of 30-days to plan and install facilities in the street. Additionally, Con Edison service work is generally completed within 10-days of installation of facilities in the street, receipt of "Certificate" and passing Final Inspection. Please indicate "Y" in the applicable box for completed items and "N/A" where items do not apply.

Final General		Contractor Completed	CE Inspection	
			OK	N/A
1. City/UW Certificate Issued (# _____)				
2. Is the meter pan bonded, installed and wired to specification?				
3. Is the meter pan an approved model?				
4. Is the meter pan installed between 4.5' and 5.5' above grade?				
5. Is there sufficient clearance between the electric and gas meters? (See page 48 for Spacing Requirements between electric and gas meters)				
6. If there are multiple meters, are the part supplied permanently marked on the meter pans?				
7. If there are provisions for a locking device, has the contractor installed the hardware to accept the lock?				
8. Is there a main disconnect switch installed?				
9. Is the water pipe ground installed within 5 feet of the water service point of entry? (Westchester has no constraint on ground location on water service for industrial or commercial application)				
10. Is the driven ground installed?				
11. Are the roof, balconies, porches, etc readily accessible to pedestrians? "Readily Accessible" for the purpose of this checklist is commonly defined as having a slope/grade of ≤ 45° and extending more than 1.5' from the structure	A. If YES, are the conductors and attachment located at a minimum clearance of 10' vertical and 3' from any direction, when measured from the highest point of the roof, balconies, porches etc?			
	 B. If NO, submit photograph clearly demonstrating a pitch of > 45°, or request an inspection			
12. Is a customer property line pole installed? Keyed, cribbed, anchored, if applicable?				
13. Is the standpipe and mast height installed to specification EO-8746-B?				
14. Is the permanent connection made, as per Specification EO-6218-B note 11?				
15. If there is an existing service, did the contractor make the final connections using approved Con Edison connectors, all without taping? (See table 4 of EO-6218-B latest revision)				
16. Is there a proper weatherhead and is it facing down?				
17. Is the attachment point the correct type for the installation (new/existing premises per EO-6218-B page 2)?				
18. Does the point of attachment comply with Table #2 of EO-6218-B latest revision?				
19. Is the point of attachment at the proper height? (min 16' above sidewalk grade or 12' in Westchester where the service crosses spaces only accessible to pedestrian) EO-4647-C Page 3				
20. Is the point of attachment in the proper place with reference to the weatherhead (below weatherhead wherever practical, but no more than 2' from weatherhead)? (EO-6218-B Page 1)				
21. Does the location of the point of attachment allow for the service conductors to be no less than 3" from the edge of a building or rain gutter down spout? (EO-6218-B Page 5)				
22. Are the point of attachment and the weatherhead located on opposite sides of a metal drain pipe? Service wires & drip loops are not permitted to cross metal drain pipe (EO-6218-B Page 5)				
23. Are the service connections directly accessible by a 40' or smaller ladder placed on grade level? (EO-6218-B Page 7 Construction Note 8)				
24. Is the attachment and conductors installed more than 60" from doors, porches, fire escapes, and similar locations that can be accessed through a doorway, window, ramp, stairway, or permanent ladder? (EO-4647-C Page 3 Note 3).				
25. If a secondary riser is to be installed, is the riser installed on the preferred side of opposite to the direction of incoming traffic?				
26. Is the point of attachment at a minimum distance of 12" from any telecommunication?				

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