EV Charging Station Install Load Letter Form

Today's Date:	11/10/2023
Service Address:	123 Example Street, Town/Borough NY, 12345
Building Type:	Residential/Commercial
EVLD Incentive Application #: (if applicable)	EVLD 099999

Describe the premise and scope of work related to the EV chargers:
Existing 4-story mixed-use residential and commercial building with an outdoor parking lot for only residential use. New EV Chargers will be installed in the outdoor parking lot, please see site plan. Requesting for a separate service dedicated to the new EV chargers. Owner does not want us to use existing service.

Service Questions *(All Questions must be answered or may result in rejection)*

Q1	Are you requesting a new or separate utility service? *Note: If you have an existing service going to the premise and you request for a new separate service, this may result in an additional cost known as Excess Distribution Facility (EDF) cost.*	☐Yes, no existing service ☑Yes, require new or separate service ☐No, prefer to use or upgrade existing utility service
Q2	Is this a deeded or non-deeded property? *Note: Any service request to a non-deeded property will be considered temporary; customer is responsible for costs associated to installation and removal of service.*	☑ Deeded property. Fill Parcel Info below: NYC Tax Block #: 19999 Lot #: 100 Westchester TaxID: N/A ☐Non-deeded property (Not a Parcel/Taxable Lot)
Q3	Requesting to rule for future proofing loads? *Note: This may result in an accommodation cost for any additional infrastructure required only for the future proofing loads*	☐Yes (refer to Future Proofing section below) ☑No
Q4	List existing Meter(s) associated to the new EV chargers. Optional, please list existing account number(s) associated to the new EV chargers.	Existing Meter #(s) for EV loads: Existing Acct #s for EV loads (optional): ☑Requesting new meters for EV loads
Q5	Are you requesting new Con Edison meter(s)?	☑Yes ☐No Estimated Qty: 2
Q5a	If you are requesting new meter(s) on an existing service, list existing meter(s) associated to the existing utility service. *Note: We will need the meter information to understand the current loads at your existing service:* • *For low voltage or transformer service, list at least 1 existing meter* • *For high tension service, list all existing meters*	☐Yes, On-premise meter #(s): ☑Not applicable, requesting new service
Q6	Do you require a utility outage to energize new equipment? *Note: Any off-hour outage requests during the weekend, holidays, or outside of normal work schedule (Monday-Friday 7am-3pm) may result in an accommodation cost*	☐Yes ☑No (have an existing-line side disconnect switch or requesting new service) ☐Not Sure
Q7	Preferred Incoming Utility Service Voltage *Note:* • *Service Voltage provided by the utility is dependent on the utility infrastructure within the vicinity of the premise.* • *277/480V service voltage can only be supplied by Con Edison transformer(s) located on customer premise or sidewalk*	☐120/208V ☑277/480V ☐120/240V ☐High Tension ☐13kV ☐27kV ☐33kV ☐Any
Q8	Type of Vehicles that will be charged at the station?	☑ Light Duty ☐ Medium/ Heavy Duty ☐ Any
Q9	Indicate EV Charging end-use? (Select any that apply)	☐Public Charging ☑Residential

		☐Taxi/Livery ☐Commercial ☐Trucking/Delivery
Q10	Do you know when vehicles will typically be charged?	☐ Daytime (8am to 5pm) ☐ Nighttime (5pm to 7am) ☑ Anytime
Q11	Are there plans to use load management to limit the connected load(s)? *Note: Service determinations will only account for hardware limiting the loads and not load management software. For any limiting hardware please provide details in the Load Management Information section below.*	☑ Software ☐ Hardware ☐ Both (software & hardware) ☐ None
Q12	List any other Energy Service electric cases associated to this premise. *Note: This is important to understand all the loads on-site for a proper ruling*	MC Case #(s): MC-123456 for Solar and battery storage MC-123457 for new building loads ☐Owner is not aware of any other Energy Service case

Electric Vehicle Charger Load Information

(Equipment that will be installed within 3 years from application submittal. All fields must be populated or may result in rejection)

Charger Type (Make & Model)	L2 or DCFC	Charger Quantity [A]	Input Power (AC) Max kW per Charger* [B]	Ports (Plugs) per Charger	# of Vehicles that can charge simultaneously per charger	Total kW per Charger Type [C] = [A] x [B]	Ø	Charger Power Requirements Required (volt and amp)	Estimated Date of Install
Brand XYZ 250	L2	4	10	2	1	40 kW	3	208V – 160A	6/01/2025
Brand XYZ 900	DCFC	5	50	1	1	250 kW	3	480V – 300A	12/01/2026
Total Load (kW)						**290 kW**			
Comments:									

** Must list maximum output of charger without factoring load management*
Ø: Quantity of Phases

Other Non-EV Loads

(If applicable, include equipment that will be installed within 3 years from application submittal. Adding non-EV loads may require submitting a new case in Project Center for EV and non-EV loads)

Equipment Type	Connected load per equipment (kW/HP)	Quantity	Total Connected load (kW)	Estimated Date of Install	Comments
Office Lights	10 kW	4	40 kW	6/01/2025	
Air Conditioner	1 HP	1	0.746 kW	6/01/2025	
Total Load (kW)			**40.75 kW**		
Comments:					

Future Proofing Electric Vehicle Charger Load Information

(If applicable, include equipment that will be installed beyond 3 years from application submittal.)

Charger Type (Make & Model)	L2 or DCFC	Charger Quantity [A]	Input Power (AC) Max kW per Charger* [B]	Ports (Plugs) per Charger	# of Vehicles that can charge simultaneously per charger	Total kW per Charger Type [C] = [A] x [B]	Ø	Charger Power Requirements Required (volt and amp)	Estimated Date of Install
Brand XYZ 250	L2	4	10	2	1	40 kW	3	208V – 160A	6/01/2030
Brand XYZ 950	DCFC	10	150	1	1	1500 kW	3	480V – 300A	12/01/2030
Total Load (kW)						**1540 kW**			

Future Proofing Comments:

Plans to install 2MW of DCFC and L2 chargers by 2030 and develop a new 20,000 SF office space (see Future Proofing Other Non-EV loads)

** Must list maximum output of charger without factoring load management*
Ø: Quantity of Phases

Future Proofing Other Non-EV Loads

(If applicable, include equipment that will be installed beyond 3 years from application submittal. Adding non-EV loads may require submitting a new case in Project Center for EV and non-EV loads)

Equipment Type	Connected load per equipment (kW/HP)	Quantity	Total Connected load (kW)	Estimated Date of Install	Comments
Office Lights	10 kW	4	40 kW	6/01/2030	
Computers	0.5 kW	100	50 kW	6/01/2030	
Total Load (kW)			**90 kW**		

Future Proofing Comments:

New 20,000 SF office space

Load Management Information

If applicable, describe any load management software used with the Electric Vehicle Chargers?
Note: Load management software will not be considered for service determinations, because it can be reprogrammed for a larger power output.

No load management software

If applicable, describe any proposed hardware limiting the Electric Vehicle Charger loads?
Note: Include size of equipment - Ie. fused-disconnect switches and circuit breakers

☑ *Required*: Customer understands that hardware limiting devices must be reflected on the one-line diagram. Any changes to the loads or design will require resubmission of the load letter and one line diagram.

Five local 200-amp circuit breakers will restrict each of the 5 DCFCs individually and will limit the output.