



## Residential Electric Vehicle Charging Program Rebate Contract

### Program Basics:

In an effort to accelerate clean transportation alternatives in Massachusetts, Sterling Municipal Light Department (SMLD) is offering to provide to its residential customers a \$300 rebate towards a Level 2 electric vehicle home charger capable of 7.7KW maximum output. As part of this **Scheduled Charging Program**, customers wishing to receive a \$300 rebate must agree to the terms and conditions of this program, as listed below, and agree to accept scheduled charging as well as emergency scheduling in the event of a major event, as required by SMLD.

### Scheduled Charging and Time of Use Rate:

Level 2 electric vehicle home chargers are designed to fully charge a modern electric vehicle overnight in four- to eight hours. Such rapid charging and high output means the amount of power the chargers draw is equivalent to adding four new electric clothes dryers to your home energy load and running them simultaneously with your other appliances. While a home electrical panel of at least 100 amp service is more than capable of serving this charger, the increase in load when multiple chargers are in use is a concern for SMLD distribution system.

Most EV drivers plug in to charge when they arrive home from work or school, which coincides with SMLD highest energy usage for the day. Such an expansion of service would involve additional costs for upgrades to the distribution system that serves Sterling and additional costs for the production and delivery of electricity to our town.

As part of the SMLD commitment to maintaining low cost, reliable electric services for our customers, we are always looking for new and innovative ways to help manage our electricity supply for our customers. One such way to manage the impacts of new electric vehicle load is scheduled EV charging. By accepting a \$300 rebate Wi-Fi-equipped Level 2 EV home charger from SMLD, SMLD asks that you try to limit charging between the hours of 5:00 p.m. and 9:00 p.m. during non-holiday weekdays.

In addition to participating in scheduled charging, SMLD residential time of use rates apply as follows:

### **COST OF SERVICE**

- \$0.1310 per kwhr for the first 550 kwhrs or less delivered between 7:00 a.m. and 11:00 p.m. of each billing period.
- \$0.3000 per kwhr for all kwhrs in excess of 550 kwhrs delivered between 7:00a.m. and 11:00 p.m. of each billing period.
- \$0.0120 per kwhr for all kwhrs delivered between 11:01p.m. and 6:59 a.m. of each billing period.

### **DISCOUNT**



A 10% discount will be applied to that portion of the bill determined per the cost of service section of this tariff if payment is made on (or before) the discount day that is printed on the customer's bill. No discount will be allowed on the purchased power adjustment or when arrears are due and unpaid.

Sometimes emergency situations arise during which SMLD may determine it necessary to curtail EV charging. Under this agreement you would authorize SMLD to temporarily curtail EV charging during these emergency situations. This emergency scheduled curtailment would only be done during situations where the local distribution system or regional power grid was under extreme stress and our operators deemed curtailment in the best interest of our system. These curtailments are not expected to be frequent and should not last long. In this agreement, SMLD agrees to never extend a curtailment past 9:00 p.m., so overnight EV charging will always be possible for our customers. SMLD estimates emergency curtailments would occur no more than three- to five times per year under a worst case scenario and will likely occur only in the summer months. Examples of when a curtailment may occur could include:

- On a hot summer day with temperatures over 95 degrees, operators could curtail charging starting at 2:00 rather than 5:00 in the afternoon, due to high energy consumption from air conditioning usage
- If a major power plant in the area is forced to go offline unexpectedly, operators could temporarily curtail charging during the day for two- to three hours, until other area power plants could be brought online or increase their production to make up for this deficit
- If the New England area is experiencing a peak power usage day and conservation is required by the grid operator to maintain grid stability and keep power prices stable

By agreeing to this program of scheduled charging and emergency curtailments, you are helping SMLD maintain a reliable power distribution system for you and your neighbors and helping to keep power costs low. By limiting your charging to the overnight hours, you are doing your part to help the environment and help your neighbors.

If the driver deems it necessary to charge their vehicle at a full level 2 rate during peak hours, 5:00pm-9:00pm, SMLD will assess a demand charge to cover the added costs to the electrical system.

### **Program Responsibilities**

Below is a listing of responsibilities and requirements of the program both for SMLD as well as its customers participating in this program. In signing this document you agree to abide by the terms and conditions of this program and to operate within the limits of this agreement as listed below. If you have any questions or concerns, or to speak with a program specialist, please call or email the Massachusetts Municipal Wholesale Electric Company (MMWEC), at **1 (413) 589-0141, EV@mmwec.org**. An energy efficiency specialist or program administrator would be happy to assist you.

### **SMLD Responsibilities:**



1. SMLD agrees to provide one (1) Level 2 Wi-Fi-equipped home charger (Chargepoint Model), per residential metered customer with the purchase or lease of a new electric vehicle. The intention of this program is to provide one and only one charger per household. Multifamily homes, townhouses or other dwellings with separate individual meters may be eligible for separate chargers. SMLD and its home energy efficiency partner, MMWEC, have sole discretion in administration of Wi-Fi-equipped home vehicle chargers.
2. Owners of existing electric vehicles may petition for a charger.
3. SMLD agrees to provide for any and all monitoring costs associated with third -party monitoring and scheduling (by SMLD) of the Level 2 Wi-Fi-equipped home charger for 18 months. Costs for cloud-based operation of the charger shall be borne by the end user after the initial 18 month period.
4. SMLD will not be responsible for any warranty or operational issues associated with the chargers provided under this program. All chargers are provided with a 3 Year manufacturer's warranty from Chargepoint, which shall be transferable to the end user. Operations, warranty and technical issues associated with the charger shall be reported to SMLD, but shall be the responsibility of the customer and the equipment manufacturer.
5. SMLD shall not be held responsible for any damage, defects, failures, fires, vehicle damage or other damages to person or property associated with the proper or improper installation or operation of the EV home charger. In so signing this document the customer agrees to absolve SMLD of any liabilities associated with the usage of this product. Indemnification for any losses associated with operation of the product shall be with the charger manufacturer or the installer.

Customer Responsibilities:

1. Customer agrees to, upon receipt of the EV charger, have installation performed by a qualified electrician within 30 days.
2. Customer agrees to, upon installation of the charger, connect the charger to a home Wi-Fi system (responsibility of the customer, not SMLD) and register the charger as part of the SMLD charging system. Instructions for registration are included with the charger.
3. Customer agrees to maintain Wi-Fi connectivity to the charger and ensure that the unit can be scheduled and curtailed under emergency situations.
4. Customer agrees to allow the charger to be curtailed during emergency periods of high stress on the electrical distribution system. During curtailment hours, the charger will be not be capable of charging. Emergency curtailment shall never last past 9:00 p.m.
5. Customer agrees to allow SMLD rights to all data on charger time-of use, magnitude of charging and duration. This data will be collected by the wireless charger and utility electric meter and utilized by SMLD and our energy efficiency partners MMWEC, to better manage our distribution system as well as develop new, effective strategies for managing EV charging. No data shall be distributed for the use by any third party other than SMLD, MMWEC, and Chargepoint without expressed written consent from the homeowner.
6. Customer agrees to hold SMLD free of liability for any damage, defects, failures, fires, vehicle



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damage or other damages to person or property associated with the proper or improper installation or operation of the EV home charger. In so signing this document, the customer agrees to absolve SMLD and MMWEC of any liabilities associated with the usage of this product. Indemnification for any losses associated with operation of the product shall be with the charger manufacturer or the installer.

In so signing, you agree to the terms and conditions as well as responsibilities noted in the agreement above. If you have any questions or concerns, or wish to speak with a program specialist, please call or email MMWEC, at **1 (413) 589-0141, EV@mmwec.org**. An energy efficiency specialist or program administrator would be happy to assist you.

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Street Address

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Meter Number (Billing Number)

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Customer Signature & Date