

Electric Vehicle Charging Stations

Electric car charging stations installed in residential homes may result in several technical, metering and rate issues. These include the possibility of metering, submetering or requiring a separate service line. Is *time of use* the only method used to charge the customer, and what would occur if a customer installed a quick car charging, and what are the impacts on the utility's distribution system? This session will focus on these issues and the following:

1. The metering installations utilities are using.
2. The types of rate structures utilities may consider:
 - Separate meter rate.
 - Blocked rate structure.
 - Different rate structures for customers with car charging stations.
 - Implementing a *time of use* rate structure for residential car charging stations
3. How the cost to purchase and operate an electric vehicle compares with an internal combustion engine.
4. The way in which utilities address cost issues if a new service line is installed.