

**NOTICE OF COMMISSION INQUIRY INTO ELECTRIC VEHICLE CHARGING AND  
INFRASTRUCTURE**

Issued: *December 28, 2017*

**In the Matter of a Commission Inquiry into Electric Vehicle Charging and Infrastructure**

**PUC Docket Number(s): E999/CI-17-879**

**Purpose:**

The Minnesota Public Utilities Commission hereby opens an inquiry into electric vehicle (EV) charging and infrastructure deployment.

The purpose of this inquiry is to gather information and gain a better understanding of the following:

1. The possible impacts of EVs on the electric system, utilities, and utility customers, including the potential electric system benefits;
2. The degree to which utilities and utility regulatory policy can impact the extent and pace of EV penetration in Minnesota; and
3. Possible EV tariff options to facilitate wider availability of EV charging infrastructure.

The public interest should benefit from a better understanding of these issues and from more regulatory certainty.

Although EV penetration is still relatively low in Minnesota, it has the potential to grow rapidly as car and truck manufacturers release new, cost-effective models. Any significant increase in EV penetration will invariably be associated with more EV charging and the need for more charging infrastructure. A significant increase in EV charging has the potential to substantially impact Minnesota's electrical system. Those potential system impacts include increased electrical demand, stress on system components, and the opportunity to optimize renewable energy integration. Furthermore, the availability of EV charging infrastructure could influence the scale, scope, and speed of EV penetration.

The Commission will initiate the inquiry by holding a public, one-day workshop (expected to be in mid-March 2018) featuring both national and local experts on electric vehicle charging and infrastructure. This workshop will inform stakeholders and the Commission about current efforts to advance EV infrastructure deployment throughout the country and shape the course of the inquiry.

After the workshop, the Commission will issue a Notice for Comment on how it and utilities can facilitate the development of effective EV charging tariffs and infrastructure. This could include, but is not limited to, discussions on the following topics:

- Smart charging tariffs for a wider range of customer bases
  - Multifamily housing
  - Corporate fleets
  - Public and school transportation
  - Public and private charging stations
- System benefits from increased amounts of electric vehicle charging
- Forecasting of EV growth and how it relates to other utility processes
- Other topics identified by stakeholders at the workshop.

The Commission would like to see a broad range of stakeholders involved in the inquiry, including stakeholders who may be unfamiliar with PUC processes. Individuals receiving this notice are strongly encouraged to reach out to others in their network and have them contact PUC staff to be placed on the official service list for this docket.

The Commission looks forward to engaging with stakeholders on this important issue.

**Full Case Record:** See all documents filed in this docket via the Commission's website at [mn.gov/puc](https://mn.gov/puc), select *Search eDockets*, enter the year (17) and the docket number (879), select *Search*.

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