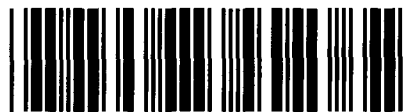




Control Number: 49125



Item Number: 3

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# OPEN MEETING COVER SHEET

## PROPOSED QUESTIONS FOR COMMENT

**MEETING DATE:** December 13, 2019  
**DATE DELIVERED:** December 6, 2019  
**AGENDA ITEM NO.:** 22  
**CAPTION:** Project No. 49125, *Review of Issues Relating to Electric Vehicles*  
**DESCRIPTION:** Proposed Questions for Comment

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Hunter, Thomas (5)  
Journey, Stephen  
Agenda  
Burch, Chris  
Zerwas, Rebecca  
Tawater, Rustin

# *Public Utility Commission of Texas*

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## **Memorandum**

**TO:** Chair DeAnn T. Walker  
Commissioner Arthur C. D'Andrea  
Commissioner Shelly Botkin

**FROM:** Kristin Abbott, Market Analysis Division  
Rustin Tawater, Legal Division

**DATE:** December 6, 2019

**RE:** **December 13, 2019 Open Meeting – Agenda Item No. 22 – Project No. 49125,**  
*Review of Issues Relating to Electric Vehicles*

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Please find attached for your consideration Commission Staff's proposed questions for comment in the above-titled project.

**PUBLIC UTILITY COMMISSION OF TEXAS  
PUBLIC NOTICE OF REQUEST FOR COMMENTS**

**PUC PROJECT NO. 49125**

**REVIEW OF ISSUES RELATING TO ELECTRIC VEHICLES**

The staff of the Public Utility Commission of Texas (commission) requests comments on questions regarding Project No. 49125, *Review of Issues Relating to Electric Vehicles*. Written comments may be filed by submitting 16 copies of such comments to the commission's Filing Clerk, Public Utility Commission of Texas, 1701 North Congress Avenue, P.O. Box 13326, Austin Texas 78711-3326. Comments longer than ten (10) pages should also be filed in digital native format via the commission's electronic filer at: <http://interchange.puc.texas.gov/filer>. All comments should reference Project No. 49125. Comments are due by February 3, 2020.

Questions concerning this notice should be referred to Kristin Abbott at (512) 936-7459 or [kristin.abbott@puc.texas.gov](mailto:kristin.abbott@puc.texas.gov). Hearing and speech-impaired individuals with text telephones (TTY) may contact the commission through Relay Texas by dialing 7-1-1.

**General Data**

1. The Commission requests that parties provide current data sources and projections for the expected deployment of electric vehicles in Texas over the next ten years. If available, the data sources should attribute the projections by vehicle class (i.e., personal, commercial short-haul including fleets and buses, and commercial long-haul electric vehicles).

2. Please provide any current data sources and information on the expected amount of new load attributable to electric vehicles over the next ten years. If available, the data sources should attribute this load by vehicle class (i.e., personal, commercial short-haul including fleets and buses, and commercial long-haul electric vehicles).
3. Please identify any anticipated load “hot spots” in the state for electric vehicle charging. Please specify whether these hot spots are expected to result from personal, commercial short-haul, or commercial long-haul electric vehicle deployment and charging.
4. Describe the observed or anticipated load profiles and impacts of various types of electric vehicle charging stations (e.g., residential Level 1, Level 2, and Level 3 DC Fast charging) and the class of the vehicle charging (i.e., personal, commercial short-haul including fleets and buses, and commercial long-haul electric vehicles).
5. What, if any, emerging vehicle charging technologies are anticipated to be commercially available in the next ten years that could impact electricity markets in Texas?

### **Grid Impacts**

6. The Commission requests that parties provide a detailed explanation on the following items:
  - a. The anticipated impacts of electric vehicle charging, including residential and commercial charging stations on the distribution system in the next ten years;
  - b. The anticipated impact of electric vehicle charging stations on the transmission system in the next ten years; and
  - c. The anticipated impact of electric vehicle charging stations on long-term system planning at the regional transmission organization level, given a widespread adoption scenario.

7. What is the overall anticipated impact of electric vehicle charging in the next ten years in terms of energy and peak demand? What changes, if any, should be made to energy and peak demand forecasts to incorporate this impact?
8. What are the capabilities of electric vehicle related technologies, such as vehicle-to-grid, to participate in wholesale electricity markets?
9. Please explain any preferred or best practice facilities siting and design standards for commercial electric vehicle charging stations and why such standards are recommended.