

EV Charging Companies Protocol

Introduction:

Thank you for taking the time to talk with us today!

My name is _____ and I work for EIA. With me on this call today is _____. The purpose of this study is to understand and explore the feasibility of collecting data on EVs electrical grid consumption.

Your responses will be protected as confidential information. According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 1905-0186. The time required to complete this information collection is estimated to average 60 minutes per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.

Do you have any questions before we begin?

Background Questions:

1. What is your position at _____ (name of company)?
2. Is your company currently reporting data to any Federal Agency? What about in a global setting?
 - a. Probe on: If they report to regulatory or surveys

If yes:

- b. What survey forms are being filled out?
 - c. Do you complete any of these forms?
 - i. What does this process typically entail?
 - ii. Is there an approval process to release the information to the federal agency? If so, could you share with us how this might look like?
3. What do you consider to be an electric vehicle?
 - a. If needed probe on: Do you know the different types or configurations of EVs? Probe on (PHEV), battery EV (BEV).

Provide a brief EV definition in order to ensure we are on the same page:

For the purpose of this research, we are only interested in EVs that plug into the electrical grid. We will be focusing on BEV and PHEVs.

Reporting to EIA

4. What technologies or services are you offering your EV customers?

5. Are you currently collecting data on electricity consumption for EVs?

If YES:

- a. Could you please describe the process in collecting electricity consumption for EVs?
- b. How often do you collect this information?
- c. How is this data stored?
- d. How long is the data stored?
- e. How do you maintain the data for electricity consumption of EVs?
 - i. What data, if any, are edited/changed?
- f. What is needed to collect this information?
- g. How accurate is data on the electricity consumption for EVs?
- h. Do EV owners have access to this information?
 - i. **If so**, what is the process for them to obtain this information?

If NO:

- i. Would you be able to provide an estimate of electricity consumption for EVs?
- j. Could you please tell us what is needed to determine the consumption of electricity of EVs?

6. The U.S Energy Information Administration (EIA) is looking to collect data on electricity consumption for EVs. If asked, how easy or difficult would it be to provide this information to EIA? Please explain.

- a. *Data like:* Overall consumption in kWh?
- b. Consumption by EV type?
- c. Type of charging?
 - i. Third-party
 - ii. Home
 - iii. City
 - iv. Corporate fleet
 - v. Utility owned
- d. Could this be collected on a monthly basis? **If not...probe here.**

7. What would your company need to report this data?

If necessary probe on:

- i. Any type of permissions?
- ii. Technology?
- iii. Infrastructure?
- iv. Sharing agreements?
- a. How long would it take you to gather the data and report it to EIA?

8. In order to report the electricity consumption for EVs, in your opinion what practices, technologies, and/or services should be standardized across the industry?

Questions about EV technologies/services

9. Could you please describe any technologies/services that help in collecting information on electricity consumption of EVs? (Probes: Smart meters, consumptions logs on EV, apps)
10. What are your thoughts about smart meters in regards to EV consumption data?
 - a. If needed: How does this technology help or hinder the ability to assess EV electric consumption data?
11. In your opinion, what needs to be standardized in order to collect EV electricity consumption from the grid?

Other Contact (Snow Balling)

12. Do you know of any company that is collecting information on EVs electrical grid consumption?
IF YES
 - a. Could you please provide me with their names?
 - b. How are they collecting this information?
 - c. Would you provide us with their contact information?

I have no further questions, do you have any questions you would like to ask us?

Thank you for your time.