**Customer expectations regarding EVs in general, including availability of EVs and access to charging stations for EVs**

1. Do barriers to EV adoption currently exist in Wisconsin? If so, what are those barriers?
2. What, if any, are the current enablers of EV adoption in Wisconsin?
3. What information, if any, about EV charging should utilities provide to customers? What do customers need to know about being an EV customer?

**Customer expectations of electric utilities regarding EVs**

1. Are there specific expectations an EV customer has of its utility provider? If so, what are those expectations?
2. Are you aware of any utility-sponsored programs that assist customers wanting to install EV charging infrastructure? The Commission is already aware of Madison Gas and Electric Company’s EV-1 Home Electric Vehicle Charging Experimental Pilot Rider and EV-2 Electric Vehicle Public Charging Experimental Pilot Tariff. If you are aware of others, what are those programs? (Programs may be located outside of Wisconsin.)
3. What are some possible consumer protection or complaint issues for utilities regarding EV customers?

**Current policies and standards of electric utilities regarding EV infrastructure**

1. Has your utility developed, or is looking to develop, any (pilot) programs related to charging infrastructure?
2. Has your utility developed, or is looking to develop, (pilot) tariff rates for customers that own an EV?
3. Has your utility developed, or is looking to develop, any internal guidelines or standards for connecting EV infrastructure to your system?

**Ownership and operation of EV infrastructure and related issues, as applied to established electric utilities, possible public and private intermediaries or developers, and ultimately consumers**

1. Should there be any limitations over who can own public charging infrastructure?
2. How does ownership of public charging infrastructure influence public availability and access to charging stations, and the price of the electricity that is utilized?
3. What role should utilities have in deploying public charging infrastructure?
4. What cooperative activities exist for utilities and third party providers to develop public charging infrastructure?
5. What are some energy purchase arrangements that could exist between the utility, a third party provider, and the end-use consumer?

**Financing and cost recovery of electric utilities EV capital investments**

1. What are your cost recovery expectations regarding investments in EV infrastructure?
2. What options exist for financing EV charging stations?

**Rate design and service considerations of electric utilities EV tariffs**

1. In what ways could utility customers be (financially) charged to (electrically) charge their EV at home?
2. In what ways could customers be (financially) charged to (electrically) charge their vehicle at utility-owned public charging stations?
3. In what ways could customers be (financially) charged to (electrically) charge their vehicle at third-party-owned public charging stations, if such ownership arrangement is permitted? Alternatively, does ownership of public charging stations necessarily make the owner a utility, why, or why not?
4. Is there a particular rate structure (e.g. time-of-use rates) you believe would encourage optimal EV charging? If so, what are the characteristics of that rate structure?

**EV impacts on electric storage, distribution, transmission, and generation infrastructure**

1. Do you track EV usage within your service territory, or within Wisconsin? If so, can you generally describe the load curve of that usage, as well as the location of the usage?
2. What are potential benefits and risks of increased charging infrastructure and EV adoption to the distribution and transmission systems?
3. What considerations should be given to vehicle-to-grid technology capabilities? In what ways could such capabilities impact load management?

**EV impacts on intrastate and interstate competition given differing state regulations applied to electric infrastructure, and pricing and cost recovery**

1. How should competition in the EV market, whether it be in regards to infrastructure or billing or EV components, be monitored and regulated? Feel free to comment on, for example, market power dynamics, economies of scale or other supply-side factors, and public accessibility or other demand-side factors.
2. How might EV regulations from surrounding states impact EV integration in Wisconsin?

**Please respond to the following questions:**

1. Of the question topics referenced above, please list your top two or three areas of interest that you or your organization believe may necessitate further direction or consideration from the Commission? Please provide a brief explanation for your choices.
2. Are there any topics that are not referenced that may necessitate further direction or consideration from the Commission? Please provide a brief explanation for your choices.
3. Briefly, please share any additional thoughts regarding the EV investigation that are not encompassed in your responses to the questions above.