

**Breakout Session 2**  
**Grid Operations, Transmission & Distribution Systems and Electric Vehicles**  
California Energy Commission – 2<sup>nd</sup> Floor Fishbowl Conference Room  
1:00p – 3:30p

**Purpose of Breakout Session**

- Gather stakeholder input on investment areas and specific initiatives
- Provide feedback on proposed technology, resource, and strategy topic areas
- Prioritize investment topics
- Identify ways the Energy Commission can coordinate with organizations to leverage other efforts as well as avoid duplications

**Potential Technology Investment Topics**

- Smart Grid/Microgrids
- Electric Vehicle charging and grid integration
- Electric Vehicle efficiency and battery reuse
- Storage (including ancillary services)
- Renewable integration into the grid (Forecasting Tools)
- Grid system monitoring, Controls and Analysis
- HANs and technologies that directly benefit ratepayers
- Others?

**Questions**

1. What are the major barriers to developing and commercializing clean energy technologies?
2. Where should funding be placed to maximize the deployment of clean energy technologies? (i.e. where is technology innovation needed versus where is support for commercial scale-up the critical need?)
3. What specific initiatives are recommended to advance innovative energy technologies that benefit ratepayers?
4. Define the ratepayer need for which EPIC investment should be targeted.
5. Prioritize initiatives and identify the benefits that should be anticipated and measured, such as:
  - Energy and cost savings, grid reliability, job creation, economic benefits, environmental benefits, likelihood of return on investment, other.
6. What areas are already well covered by DOE and private funding?