5 Questions

- **Setup:** Growing Airport wide Electrification
- **Challenges:**
  - 1st Wave: Electric Vehicles, Buses
  - 2nd Wave: 8 class and heavy-duty trucks
  - 3rd Wave: Aviation
    - Urban Air Mobility (e.g. electric helicopters)
    - Regional Jets (8-12 passenger)
- **Opportunities:**
  - V2G
  - Siting Energy Storage at Airports

5 Questions

- **Setup:** Charging vehicles
- **Challenges:**
  - Coordinated smart charging
  - Interaction with grid (e.g. pricing signals)
  - Significant load growth but with volatility of demand
- **Opportunities:**
  - Information based dynamic charging model
  - Coordinated with airport operations

5 Questions

- **Setup:** Sustainability/Resiliency for greater Urban area
- **Challenges:**
  - Alignment with City/Regional sustainability plans
  - Interaction with City resources to improve system resiliency
- **Opportunities:**
  - Could excess/curtailed energy be utilized for greater related systems resiliency (e.g. energy storage -> hydrogen)
  - Interactive Grid Buildings

5 Questions

- **Setup:** Sustainable Aviation Biofuels (SAF)
- **Challenges:**
  - Electrification of long-haul aviation not near term
- **Opportunities:**
  - Utilization of SAF to improve resiliency position for longer term outages
    - On site generators

5 Questions

- **Regarding resilience & and the decarbonization of airports, we must first address:**
  - Coordinating alternative energy supply options:
    - Grid
    - On-site
    - V2G
    - Buildings
    - Energy storage
    - Diesels (SAF)