



# Transportation Electrification

Transportation Engineering & Safety Conference  
December 11, 2019



# Benefits to Our **Cities**



## **SUSTAINABILITY**

- **Carbon Emission Reduction**
- **Efficiency**



## **LIVABILITY**

- **Community Health**
- **Noise Reduction**
- **Reduced Cost**

# Changes in Our Transportation Ecosystem



## Transportation Infrastructure

- Public Charging Availability
- Leveraging Other Technologies

## Energy Infrastructure

- Peak Demand Management
- Distributed Energy Resources

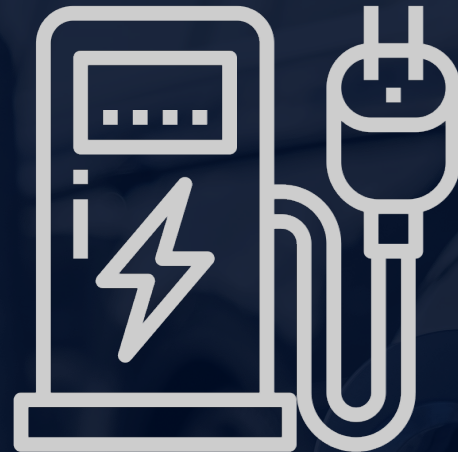
## Systems

- Fueling and Journey Planning
- Smart Charging

# Electrification Challenges & Opportunities



**POLICY &  
GUIDANCE**



**UPDATING  
INFRASTRUCTURE**



**COMMUNITY  
EQUITY**