



EV Implementation Challenges and Trends





Common Government Agency Policy Questions

- Is this really going to happen?
- How fast is this going to happen?
- What is our role in this space?
- How can we address equity?
- How can we position for funding?
- How can we capitalize on this transition?
- How can we communicate this to our constituents?
- What will market support and public investment meet?



Common Government Agency Technical Questions

- How many chargers do we need?
- What kind of chargers are needed and where?
- What will be the increase in electrical load?
- Can our electrical grid support this?
- How much will all this cost and how much staff time is needed?



Considerations for Community EV plans

- Communities are seeing EV charging as a visible and effective way to address and support sustainability goals
- Communities are exploring EVs as a cost-savings approach for public fleet vehicles
- EVs have become political.
- Communities are working to figure out how strongly they want to support EVs
 - Active vs. passive support

Considerations for Regional Groups

- Determine the role of the Agency
- Understand what is happening in the region
- Balance the need to establish a compelling regional vision, with what is acceptable to all communities in the region



ZEV Project Challenges

Operations

- Operational Feasibility
- Facility Modifications and Spatial Constraints
- Capital and Operating Costs
- Workforce Impacts and Maintaining Infrastructure
- Available Procurement Systems
- Safety and Security

Technology

- Technology Paralysis
- Supply Chain Delays and BA Compliance
- Equipment Reliability

Energy

- Energy Availability and Resiliency
- Utility coordination and fee structures

