Agenda:

- Budget Request
- EV Infrastructure
- Background
- Vehicle Replacement Cycle
- Telematics
- Change Management
Electric Vehicle Infrastructure Requests

- 25 Level II Dual-Port EV Charging Stations within the Merrick Parking Garage
  - $840k total cost

- 40 Level II Dual-Port EV Charging Stations throughout Colorado
  - $2 M total request
    - 28 Dual-Port EV Stations at 7 Planned locations: Denver (2), Camp George West, Pueblo, Grand Junction, Central City, Colorado Springs ($1.4 million)
    - 12 Dual-Port EV Stations at locations TBD ($600k)
Transition to Electric Vehicles

- Executive Orders
  - D2017-015, Colorado Electric Vehicle Plan
  - B2019-002 Zero Emission Vehicle Adoption by 2025
  - D2019-016 Amending E.O. Concerning the Greening of State Government

- Electric Vehicle Purchases
  - FY19 - 26 EVs purchased
  - FY20 - anticipate 60-70 EVs
  - FY21 - seeking budget for 127 EVs (21 plug-in, 105 plug-in hybrids)
Total Cost of Ownership: Investing in EVs

Cost Metrics
- Original purchase price with interest
- Fuel/Energy cost
- Maintenance cost
- Social cost of carbon (SCC)
- Vehicle residual values
- Projected life of vehicle
Vehicle Counts by Type

Vehicle Acquisitions by Type: FY15 - FY19

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COLORADO
- Reduces State’s carbon footprint through efficiency reports
- Assists in the transition to fully electrified fleet
- Verifies that vehicles are being used as intended
- Uses location-based management to link supply to demand
- Mitigates against long-term liability from poor driving
- State Fleet Management oversees 1,372 vehicles with telematics installed
Change Management

- **Knowing your customer**
  - Convene agency fleet managers monthly
  - Convene subcommittee on petroleum reduction
- **Making sure users have accurate information**
  - Provide FleetDASH dashboard monthly
  - Use Fleet Information Management System and peripheral support data systems
  - Use centrally generated energy consumption reports
  - Training for agencies
- **Incentives**
  - Reimbursement for operations that spend fuel dollars on alternative fuels
  - Sponsor pilot emerging technologies
Thank You & Questions
Vehicle Counts by Type

Vehicle Acquisitions by Type: FY15 - FY19

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