

Medium- and Heavy-Duty Plug-in Electric Vehicles: Accelerating Deployment in the Western U.S.

West Coast Collaborative Partners Meeting
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Erik White
Chief, Mobile Source Control Division

California Environmental Protection Agency

Air Resources Board



Why Is Technology Advancement So Important?

- ▶ **Reduce exposure to air toxics**
- ▶ **Meet health-based ambient air quality standards**
- ▶ **Reduce GHG emissions to address global climate change**
- ▶ **Implement programs equitably to ensure environmental justice**

- ▶ **Common characterization:**
 - **Near-zero and zero-emission technologies are needed!**

Challenges to Deployment

- ▶ **Meeting vocational needs**

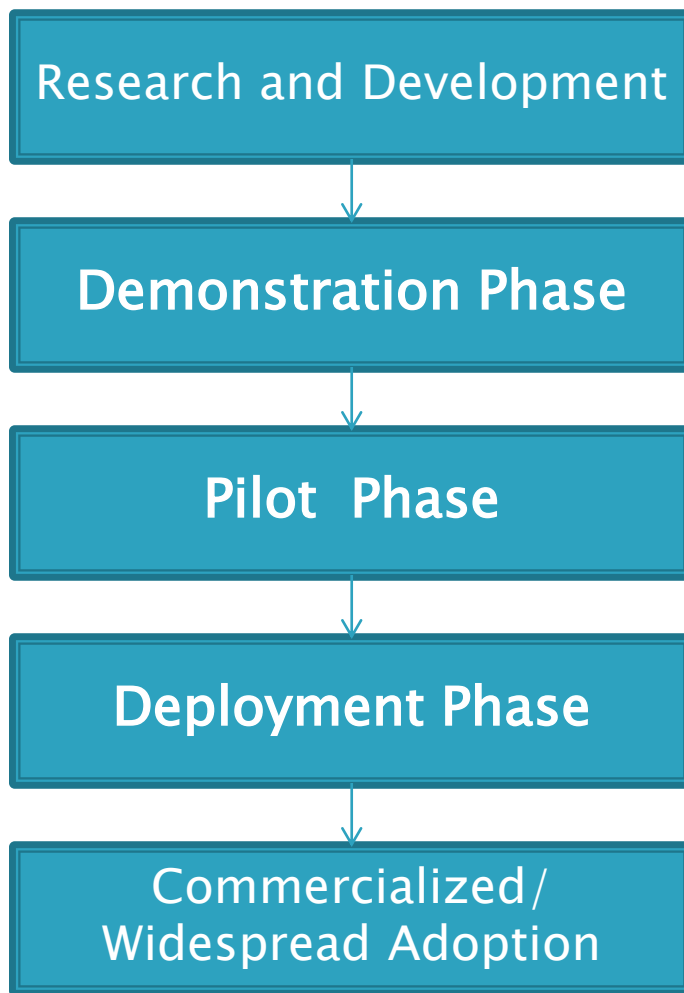
- Range
- Fueling/infrastructure
- Flexibility

- ▶ **Economics**

- Incremental vehicle costs
- Fueling considerations
- O&M
- ROI

- ▶ **Fleet acceptance**

Commercialization Pathway



Drivers Towards Success

▶ **Planning Efforts**

- Sustainable freight
- SIP commitments
- Scoping Plan

▶ **Incentives**

- CA Low-Carbon Transportation funding
- Federal investments
 - DERA
 - DOE
 - FTA

▶ **Partnerships are key to success!**