Zero-Emission Vehicles:
1.5 million ZEVs on CA roadways by 2025.

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About OPR

The Office of Planning and Research (OPR), created by statute in 1970, is part of the Office of the Governor. OPR serves the Governor and his Cabinet as staff for long-range planning and research, and constitutes the comprehensive state planning agency.
Presentation Overview

- Background on ZEVs
- ZEV Progress to Date
- ZEV Fleet Information
- Questions and Feedback
Benefits of ZEVs

- More ZEVs coming to market is good news for California consumers.
- More ZEVs on the road means cleaner air for Californians to breathe.
- ZEVs help reduce GHG emissions.
- ZEV expansion bolsters CA innovation-based clean technology sector.
- ZEVs increase our energy independence.
Challenges to ZEV Expansion

- ZEVs require new infrastructure.
- Consumer awareness of ZEVs is limited.
- Up-front costs for ZEVs remain high compared to traditional vehicles.
Governor Brown issued an EO in 2012 that directs California to “encourage the development and success of ZEVs to protect the environment, stimulate economic growth and improve the quality of life in the State.”

The EO sets a long-term target of reaching 1.5 million ZEVs on California’s roadways by 2025.
Action Plan outlines significant actions that state govt is taking or plans to take to help expand the ZEV market.

The Action Plan contains four broad goals for state govt to advance ZEVs:

- Complete Needed Infrastructure and Planning
- Expand Consumer Awareness and Demand
- Transform Fleets
- Grow Jobs and Investments in the Sector
Recent ZEV Legislation

- AB 8 (Perea)
- AB 266 (Blumenfield)
- AB 1092 (Levine)
- SB 286 (Yee)
- SB 359 (Corbett)
- SB 454 (Corbett)
ZEV Signage
The Guidebook’s purpose is to help communities across the state support their residents and businesses in making the switch to ZEVs.

The Guidebook highlights many aspects of ZEV readiness, including necessary infrastructure, planning and zoning, permitting guidelines, greening local fleets and encouraging consumers through incentives and outreach.

It includes a number of tools and templates.
Progress to Date

- Over 65,000 ZEVs currently in CA
- California’s share of the PEV market in the United States currently stands at nearly 40%.
- Several State resources developed to assist communities.
- Many local governments have:
  - Developed charging and hydrogen infrastructure
  - Streamlined permitting processes for new infrastructure
  - Planned how ZEVs will operate within their local transportation networks
Drive the Dream

- The PEV Collaborative’s Drive the Dream initiative asks corporate leaders to commit to new, substantial investments in workplace charging and other incentives for exponential PEV growth in California.

- In 2013, the PEV Collaborative brought California Gov. Jerry Brown and 40 Fortune 500 Executive together to announce corporate commitments to PEV workplace charging.

- Drive the Dream generated corporate commitments for 2,033 chargers and 1,509 plug-in electric vehicles by September 2014.
The ZEV EO directs State depts to purchase 10% ZEVs in annual light vehicle procurements starting 2015.

DGS is working on several areas of ZEV fleet readiness, including a plan to install 150 chargers.

DGS has applied for and received multiple grants from the CEC to help fund EVSE infrastructure development.

DGS currently has 70 ZEVs in their fleet.
The Bay Area Climate Collaborative worked with four SF Bay Area governments to deploy 50 PEVs for local government fleets.

- The vehicles were secured under highly favorable lease terms, removing the up-front cost barrier and risk of traditional procurement.
- These unique lease options are allowing participating municipalities to expand on their already progressive sustainability efforts, while delivering significant operations, maintenance and fuel cost savings.
- The City of San Jose, which received 38 vehicles, is aiming to power 100 percent of its fleet with alternative fuel vehicles by 2022 as a part of its Green Vision.
Questions?
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