California’s ZEV program: 2025 and beyond

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Key ZEV regulation facts

- California regulation, adopted by 9 other states: CT, MA, MD, ME, NJ, NY, OR, RI & VT
- Prior to 2018, regulation gave advantage to placing BEVs and FCEVs in California
Factors for post-2025 ZEV policy

Existing trends
• Decreasing battery costs/increasing electric range
• Development of charging infrastructure (DC fast charge, urban solutions)
• International trends towards electrification/elimination of petroleum-fueled vehicles

New factors
• New ownership models
• Ridesharing/Ridehailing
• Automated and/or connected vehicle technologies
Potential Energy Impacts of Self-Driving Cars

- Platooning
- Congestion mitigation
- Eco-driving
- Higher highway speeds
- Travel cost reduction
- Increased features
- Infrastructure footprint*
- Improved crash avoidance
- De-emphasized performance
- New user groups
- Vehicle right-sizing
- Changed mobility services

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