



2025 Mobile Source Strategy

March 14, 2024

9:30 am PST

What is the Mobile Source Strategy?



- Identifies the pathways for mobile source reductions needed to meet CARB's air quality, climate, and community risk reduction goals via a conceptual planning document
- Uses scenario planning tools to model levels of clean technologies needed
- Identifies regulatory and programmatic concepts to achieve cleaner technologies
- Updates required every 5 years

New Policy Drivers since the 2020 MSS

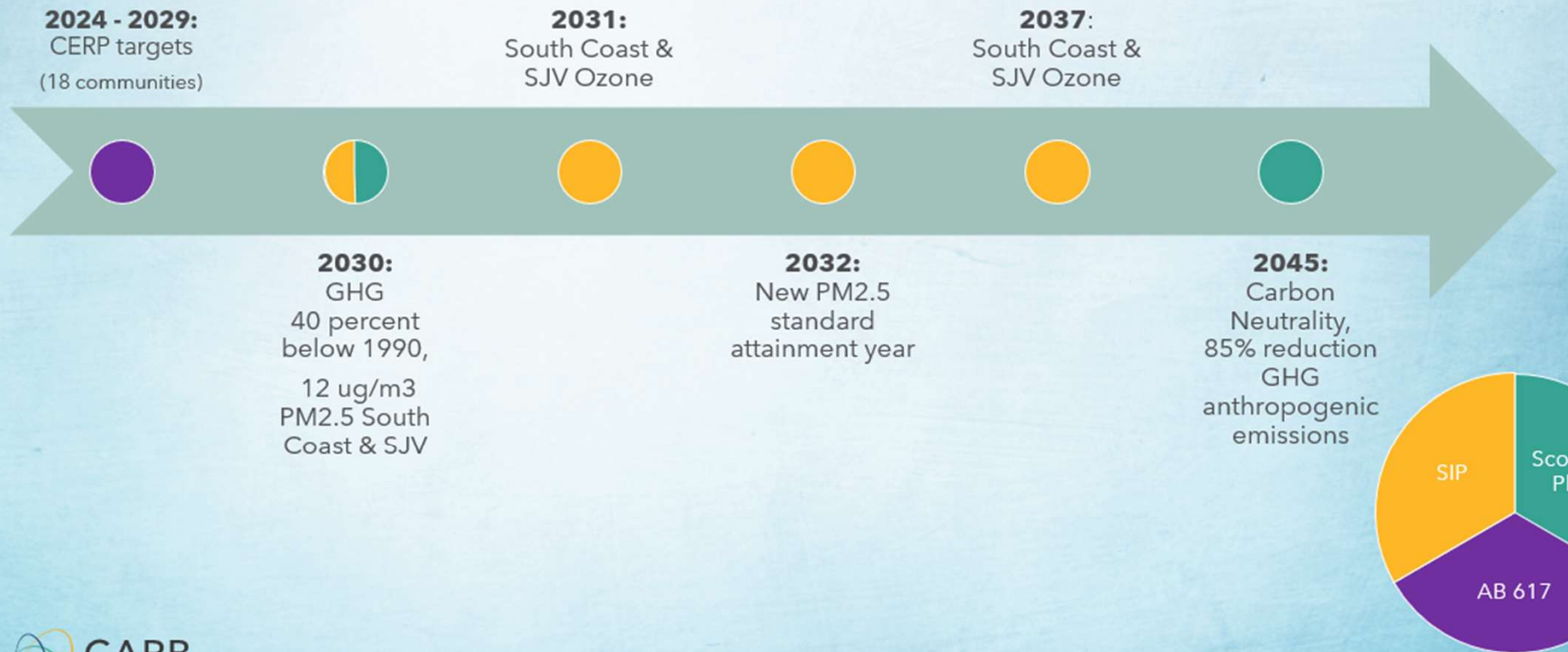
Criteria Pollutant

- Attainment for 70 ppb 8-hour ozone (2037)
- Attainment for 12 ug/m³ annual PM_{2.5} (2030)
- Moderate attainment for new 9 ug/m³ annual PM_{2.5} standard (2032)

Community Focus

- 6 new communities selected under Community Air Protection Program
- New Community Emission Reduction Programs with future target years
- Blueprint 2.0 and focus on consistently nominated communities

California's Air Quality, Climate, and Community Air Protection Goals

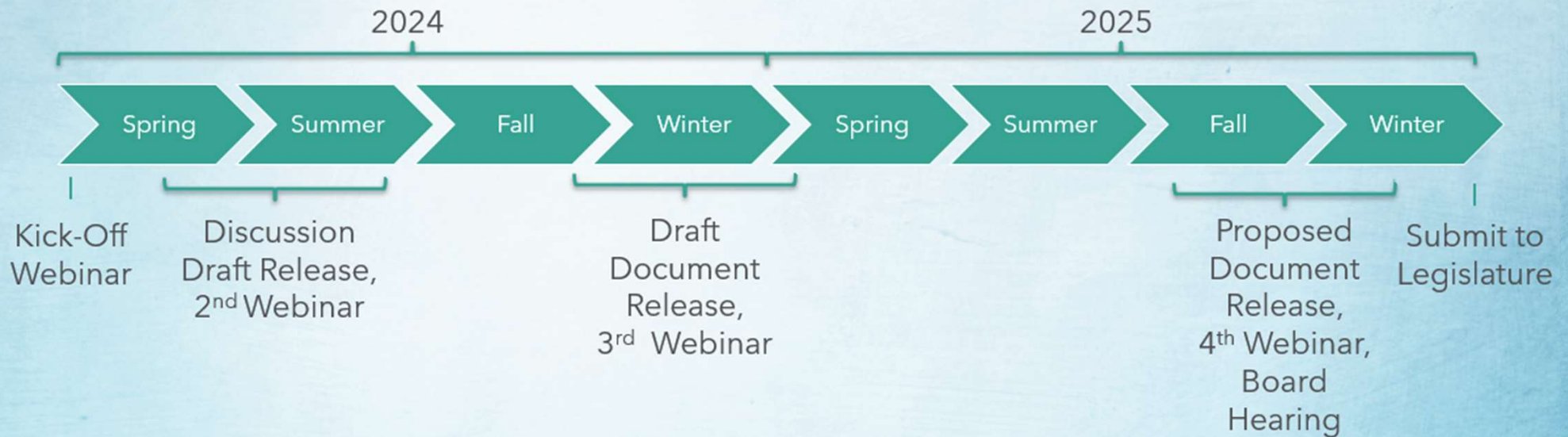


2025 Mobile Source Strategy

- Builds on 2020 MSS
 - 2037 and 2045 still the furthest target years
- Updates scenario modeling and potential future technology mixes
- Will reflect ZEV goals and requirements under SB 44
- Will inform future policy development



Planned Public Releases and Webinars



Potential MSS Focuses & Opportunities

- On-road: Additional ZE requirements, clean fuels, VMT
- Off-Road: New ZE & cleaner combustion requirements, clean fuels, in-use controls for primarily-federally regulated sources
- Overall considerations
 - Infrastructure coordination & challenges
 - Racial Equity & Environmental Justice
 - Health benefits



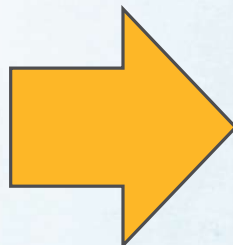
VMT Opportunities



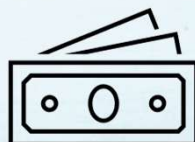
- SB 375 requires MPO RTPs include land-use and transportation strategies to meet GHG targets
- 2022 Progress Report under SB 150 assesses SB 375
 - 30% ICE LDV in 2045
 - Trends limited/no progress
 - Stronger implementation focus
 - Better alignment across all government is needed
- 2025 MSS will build on focuses identified in the 2022 Progress Report & concepts in 2020 MSS/2022 Scoping Plan

Potential Expanded Analysis of MSS Health Benefits

Previous List
Mortality
Cardiovascular Hospital Admissions
Respiratory Hospital Admissions
Respiratory ED Visits



New/Updated List
Mortality
Cardiovascular Hospital Admissions
Cardiovascular ED Visits
Acute Myocardial Infarction, Nonfatal
Respiratory Hospital Admissions
Respiratory ED Visits
Asthma Onset
Asthma Symptoms / Exacerbation
Lung Cancer Incidence
Lost Work-Days
Alzheimer's Disease
Parkinson's Disease



Next Steps and Staying Connected

- Next Steps:
 - Continue discussions with stakeholders
 - Release Discussion Draft and Webinar in Spring 2024
- Website: <https://ww2.arb.ca.gov/resources/documents/2025-mobile-source-strategy>
- Listserv: Subscribe to CARB's Mobile Source Strategy GovDelivery topic to stay informed:
https://public.govdelivery.com/accounts/CARB/subscriber/new?topic_id=mobilesourcestrategy
- Questions: email MSS@arb.ca.gov