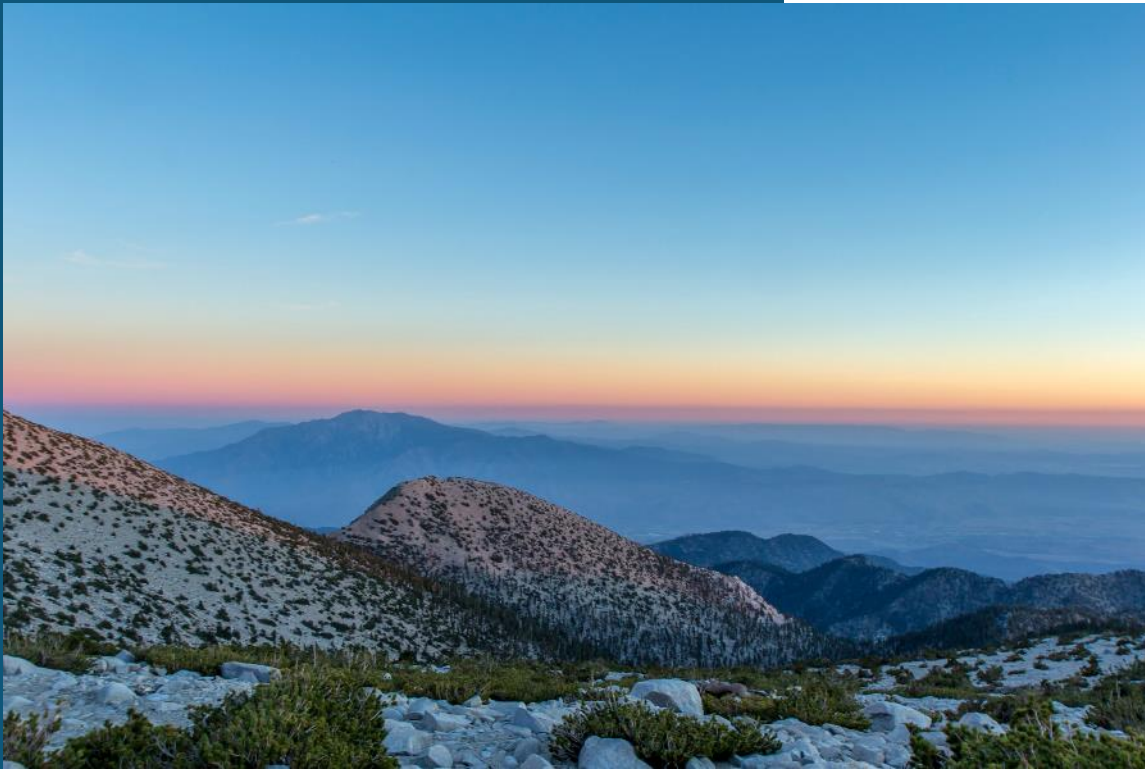


Clean Miles Standard Highlights

JOSHUA CUNNINGHAM
CHIEF, ADVANCED CLEAN
CARS BRANCH



CARB Emission Reduction Programs



Passenger Vehicles



Sustainable Communities



Sustainable Freight



Clean Transportation Incentives



Clean Fuels



Community Air Protection Program



Research




New Riverside Facility

Governor's Executive Order N-79-20

Electrification for Carbon Neutrality 2045 Goal

 **100% ZEV sales** by 2035

Full transition to
ZEV short-haul/drayage trucks 
by 2035

 Full transition to **ZEV buses &
heavy-duty long-haul trucks** 
by 2045*

 Full transition to
ZE off-road equipment
by 2035*

*where feasible

ZEV = Zero-Emission Vehicles

Senate Bill (SB) 1014 (2018)

Applicable to:

TNC Passenger service

Key goals:

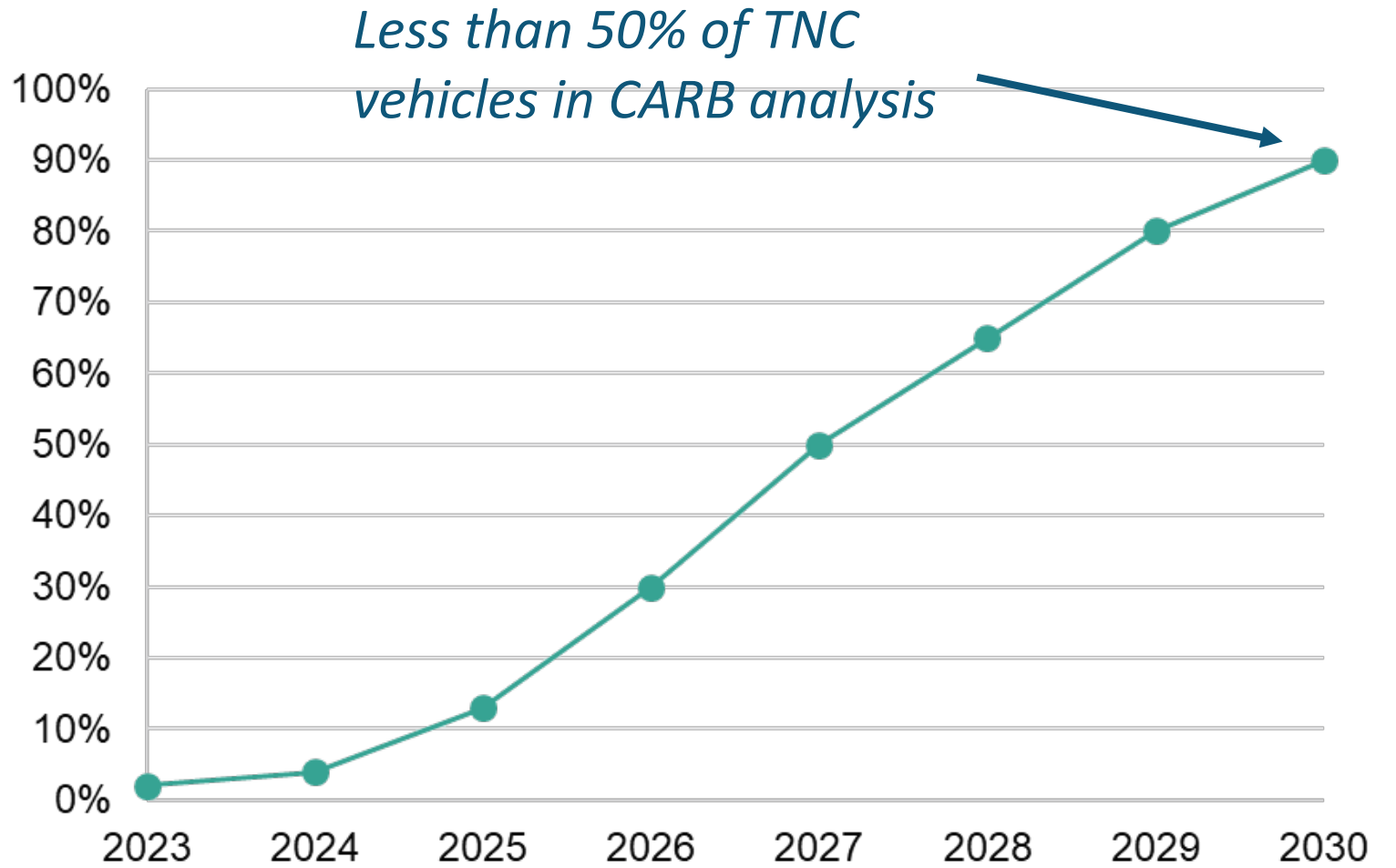
Reduce GHGs
Increase electrification
Support other modes

GHG Target
gCO₂/PMT

**Electrification
Target**
% eVMT

gCO₂/PMT = grams CO₂ per passenger mile traveled
eVMT = electric vehicle miles traveled

Proposed eVMT Targets



Proposed GHG Targets



Electrification



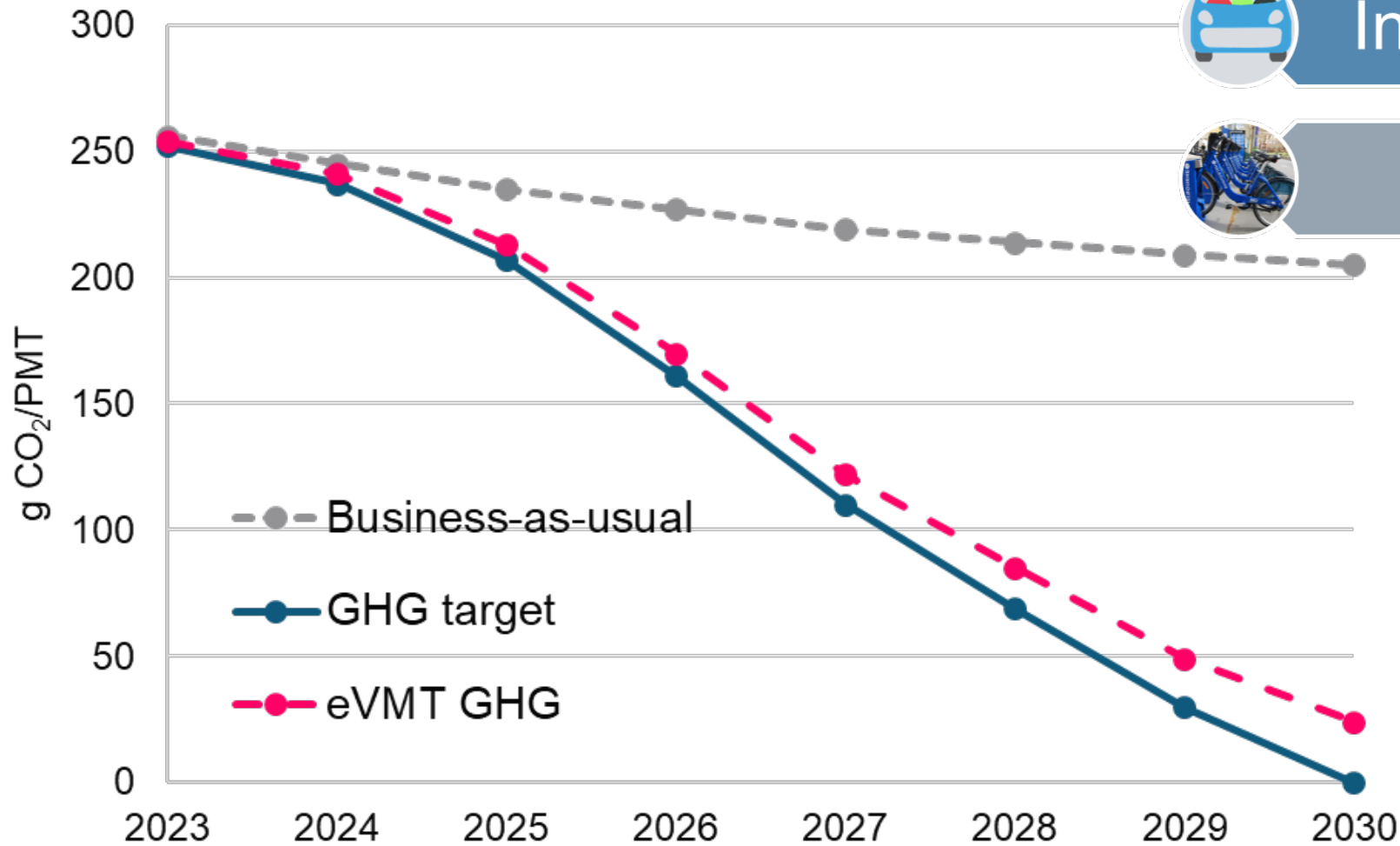
Deadhead Mile Reduction



Increased Shared Rides



Optional Credits*



* Integrated transit fare, or Active trans infrastructure



CALIFORNIA
AIR RESOURCES BOARD



Sustainable Communities

California's metropolitan planning organizations (MPOs) develop Sustainable Community Strategies to meet region-specific GHG targets set by CARB

- Invest in clean alternatives to owning vehicles or driving alone
- Support housing near jobs, transit, and other high-opportunity locations
- Address emerging transportation options
- Explore non-regressive transportation pricing and demand management



Passenger Vehicles



Advanced Clean Cars (ACC) combines control of smog-causing pollutants and GHG emissions and a ZEV mandate

ACC II being developed

- Increasing requirements for zero emission vehicles towards 100% sales target in 2035
- Larger emission reductions from combustion engine vehicles in real-world driving conditions
- ZEV consumer assurance measures