

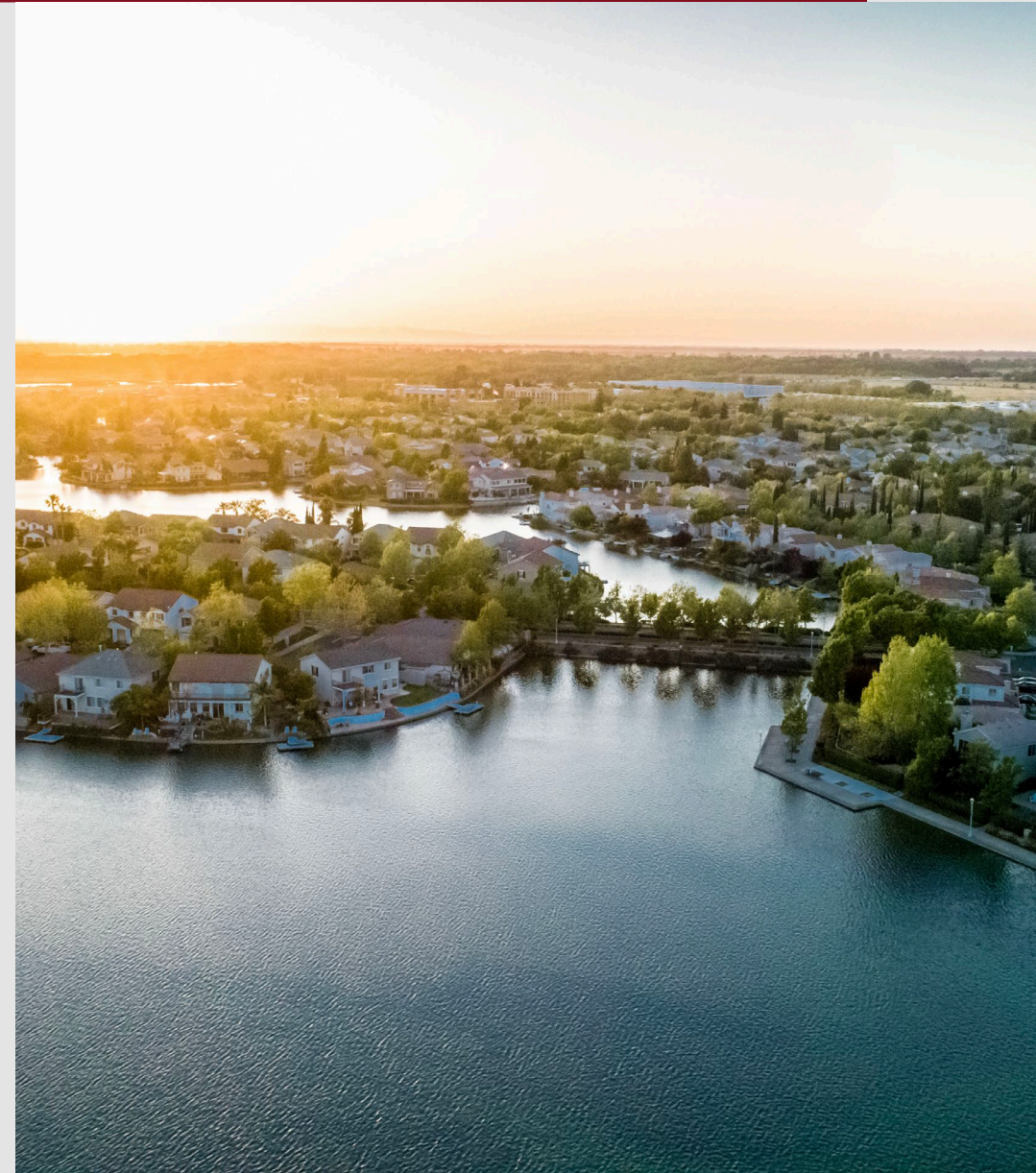


Climate Compass: Transportation Sector

August 28, 2024

Summary

- Information sessions on the update to the 2019 Climate Action Plan
- Second of three sessions:
 1. Greenhouse Gas Inventory & Forecast; Potential Strategies/Actions for Resilience/Adaptation, Resource Consumption, the Green Economy
 2. Potential Strategies/Actions for Buildings & Energy
 3. Potential Strategies/Actions for Transportation



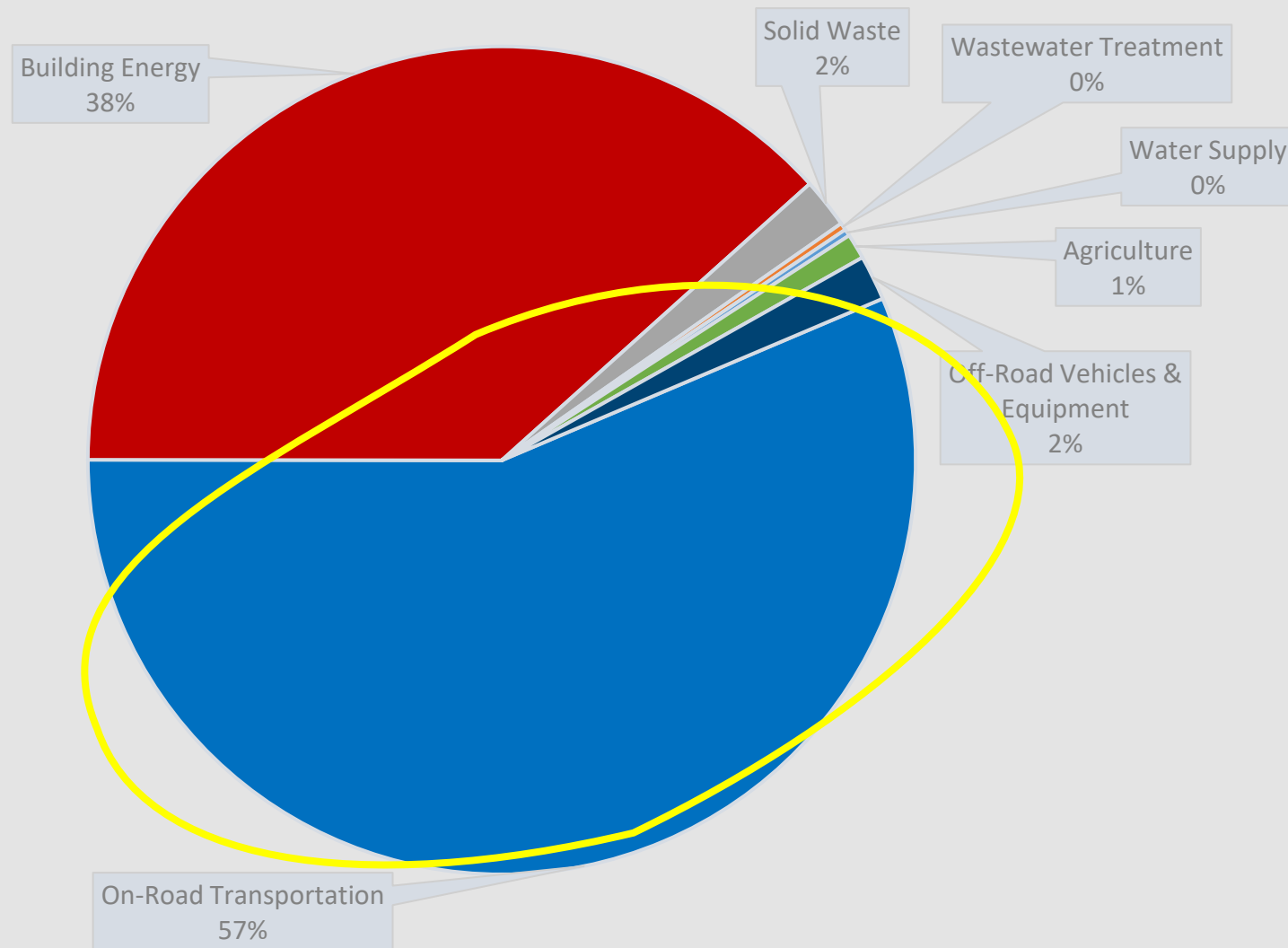
Background

- Adopted in February 2019
- Amended in December 2019 and 2022
- Update CAP every 5-years
- *Climate Compass: A Plan for Implementing Elk Grove's Climate, Sustainability, and Resilience Goals*
- CEQA Guidelines 15183.5(b)(1)

State GHG Emission Reduction Objectives

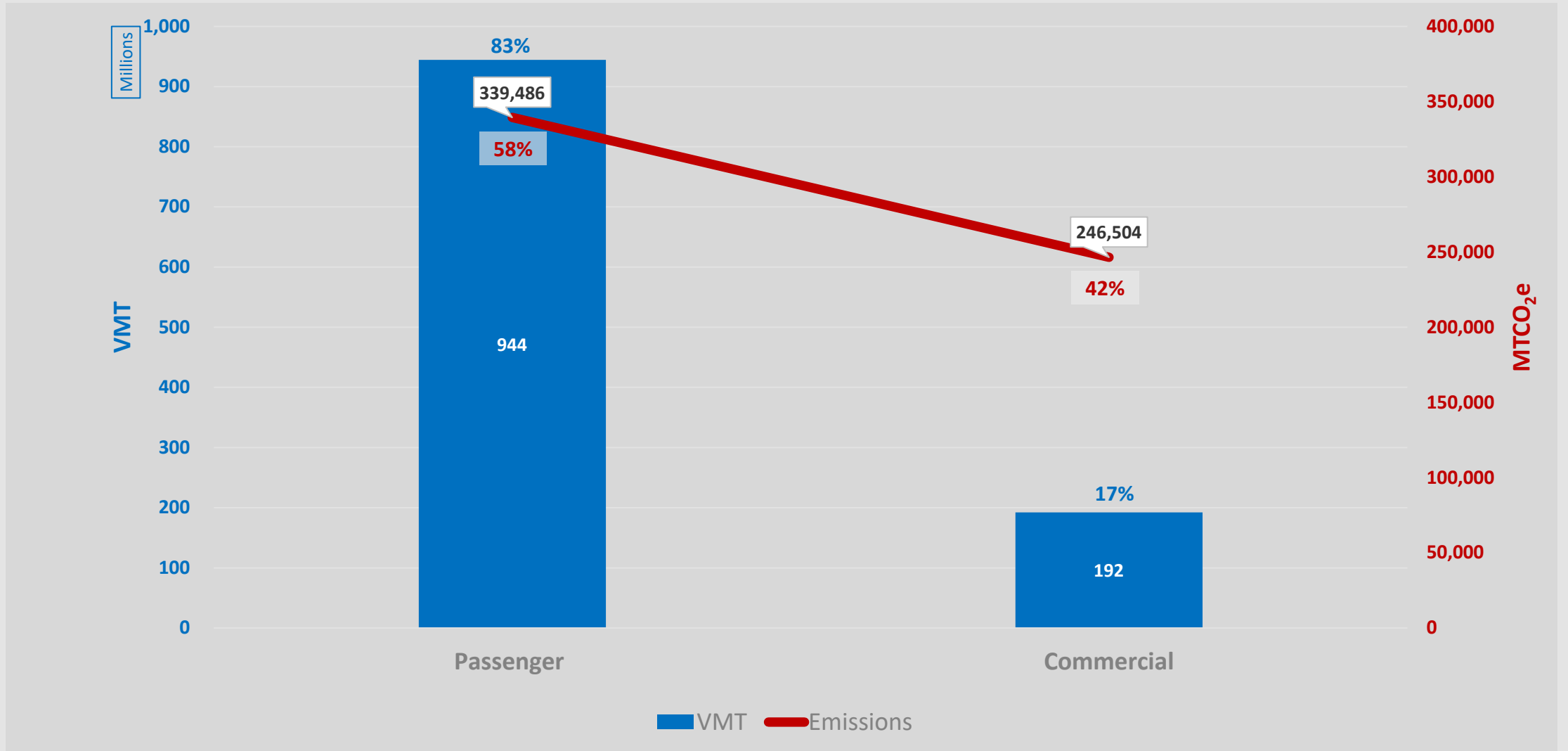
- Executive Order S-3-05 (2005)
 - GHG emission reductions: 80% below 1990 levels by 2050
- SB 32 (2016) – Global Warming Solutions Act
 - GHG emission reductions: 40% below 1990 levels by 2030
- AB 1279 (2022) – Climate Crisis Act
 - Net Zero GHG emissions by 2045
- California Air Resources Board (CARB) Scoping Plan (2022)
 - GHG emissions reductions: 48% below 1990 levels by 2030
 - GHG emissions reductions: 85% below 1990 levels by 2045
 - 15% carbon capture and carbon sequestration by 2045

2021 Communitywide Emissions by Sector

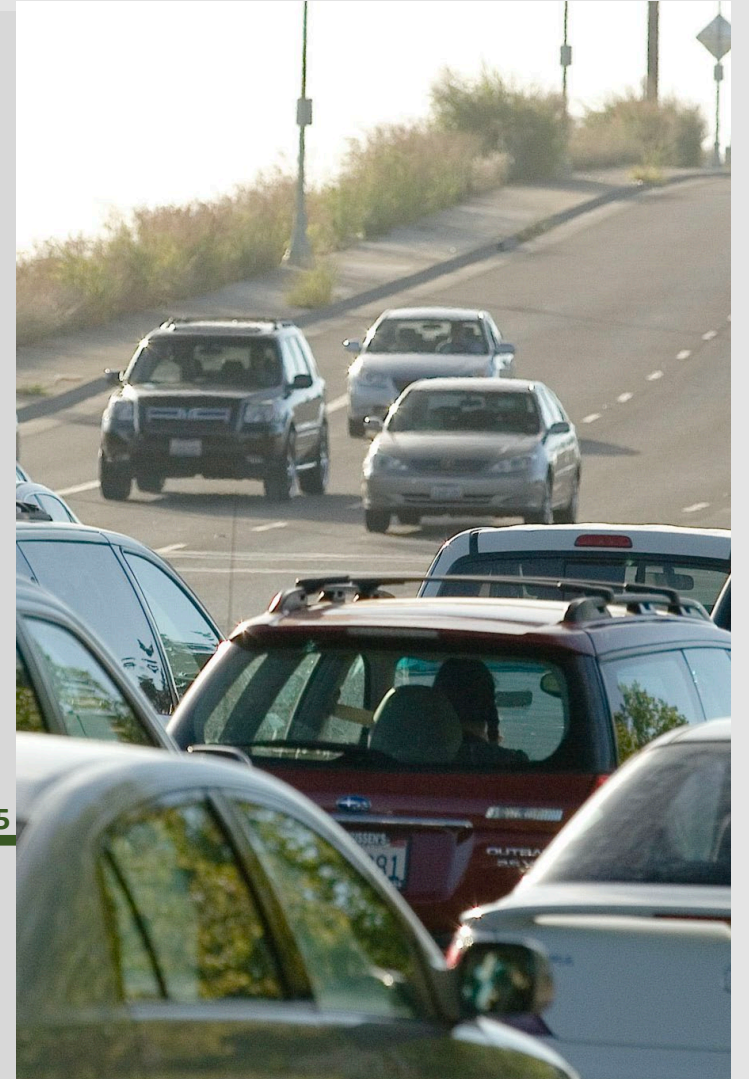
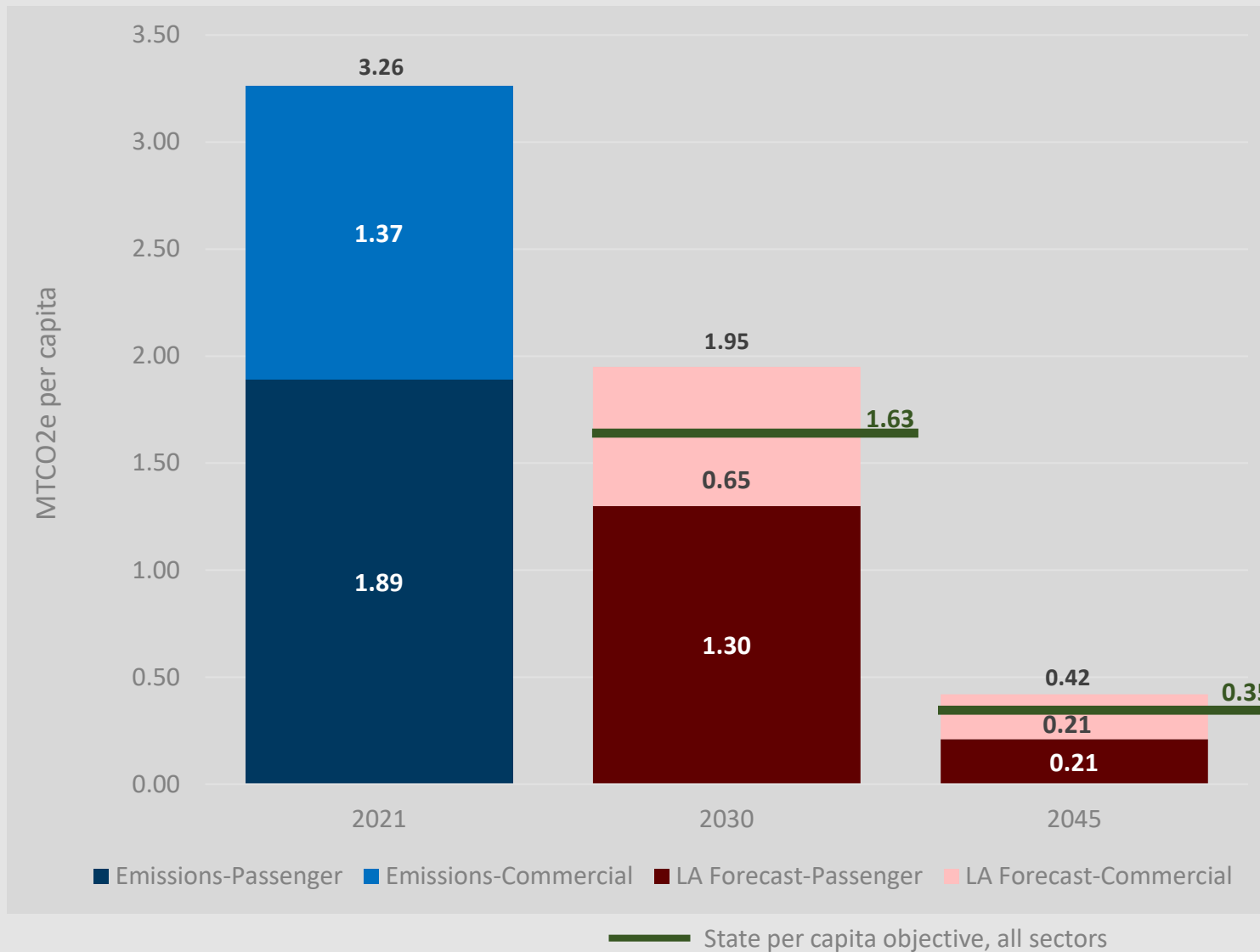


On-Road Transportation VMT & Emissions

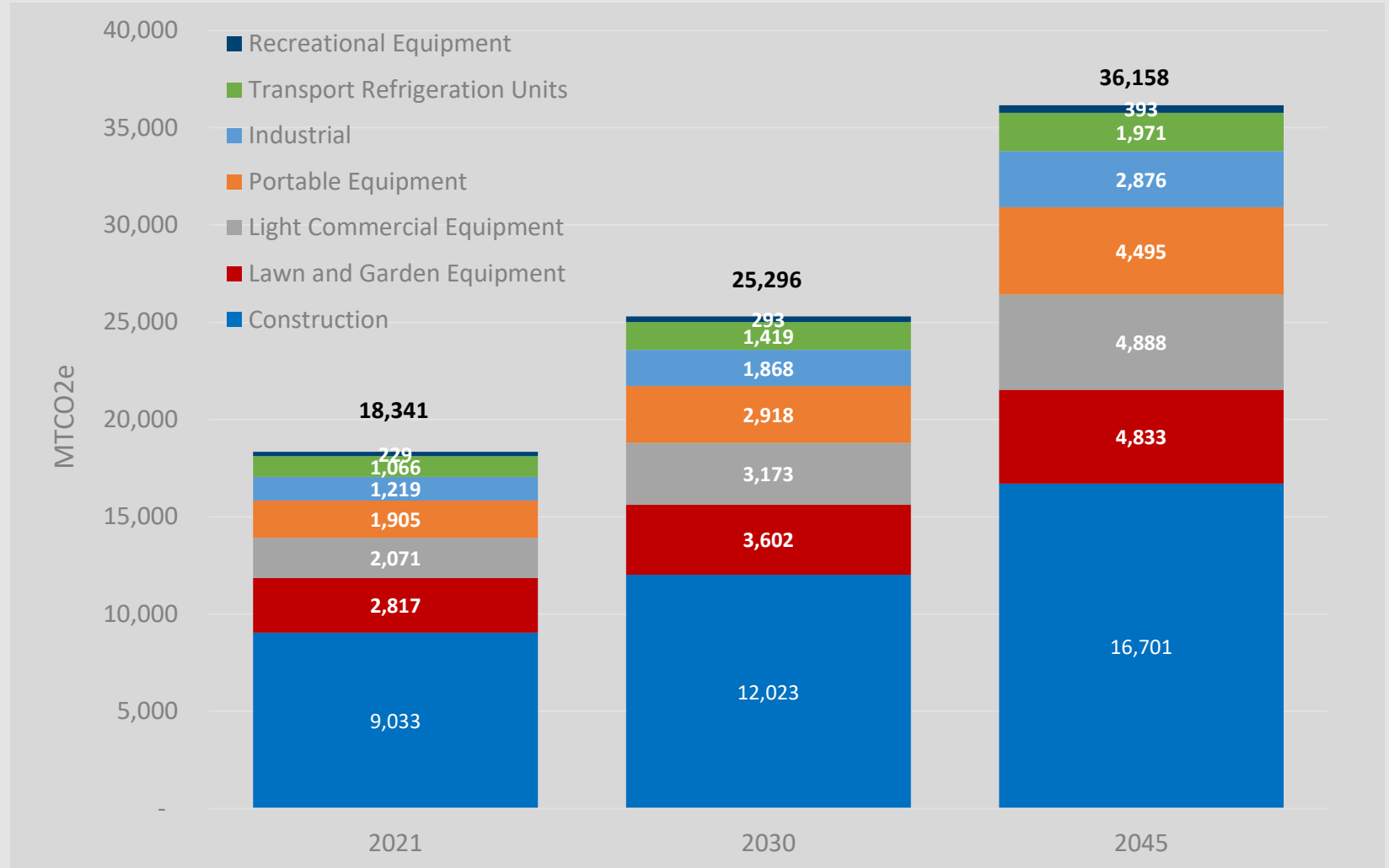
2021 VMT and Emissions



Existing and Forecast LA Emissions per capita, Transportation Sector



Existing and LA Forecast Emissions, Off-Road Vehicles and Equipment



State Legislation/Policy for On-Road & Off-Road Sector

- Advanced Clean Cars I Regulations
- Advanced Clean Cars II Regulations
- Advanced Clean Fleets
- Truck and Bus Regulations
- Fuel Efficiency Standards for Medium- and Heavy-Duty Vehicles
- EPA Off-Road Compression-Ignition Engine Standards

Potential Strategies: On-Road Transportation

Decrease Vehicle Miles Traveled (VMT)

- Action 1A: Implement the infrastructure, programmatic, and policy recommendations included in the Bicycle, Pedestrian, and Trails Master Plan.
- Action 1B: Expand the electric bike (e-bike) incentive program to encourage residents to purchase and use e-bikes for commuting and local trips.
- Action 1C: Coordinate with SacRT to improve the city's public transit system by increasing reliability and accessibility and adding amenities such as seating, lighting, tree cover, and real-time arrival information displays.
- Action 1D: Develop a local Transportation Management Agency, which works with residences and businesses to provide education on transit and alternative transportation services and programs, and provides other supportive programs that work to reduce VMT.



Potential Strategies: On-Road Transportation



Increase Zero Emission Vehicle (ZEV) Use

- Action 2A: Adopt a reach code for EV charging to meet CALGreen Tier 1 or 2 requirements for new multi-unit residential and commercial development.

Commercial	Total Parking Spaces	EV Capable	EVSE Installed Other than Office & Retail	EVSE Installed Office & Retail
Mandatory	250	20% 50	50% of EV capable 25	75% of EV capable 38
Tier 1	250	30% 75	50% of EV capable 38	75% of EV capable 57
Tier 2	250	45% 113	50% of EV capable 57	75% of EV capable 85

- Action 2B: Explore EV car-sharing programs or partnerships with existing services to offer accessible and affordable EV mobility options, particularly located at existing multi-unit residential locations.
- Action 2C: Prohibit the establishment of new gas stations or the expansion of fossil fuel infrastructure at existing gas stations unless the project provides electric vehicle charging stations on site at a ratio of at least one new charging station per one new gas fuel nozzle.

Potential Strategies: Off-Road Vehicles & Equipment

Reduce Off-Road Emissions

- Action 3A: Require all construction projects starting in 2025 and later to use renewable diesel in diesel-powered construction equipment.
- Action 3B: Prohibit the use of fossil-fuel-powered generators at construction sites in all discretionary projects.
- Action 3C: Encourage (or require) business owners (e.g., landscaping businesses) to convert or replace their gasoline-powered gardening equipment with electric or other zero-emission alternative equipment.



Thank you

August 28, 2024