

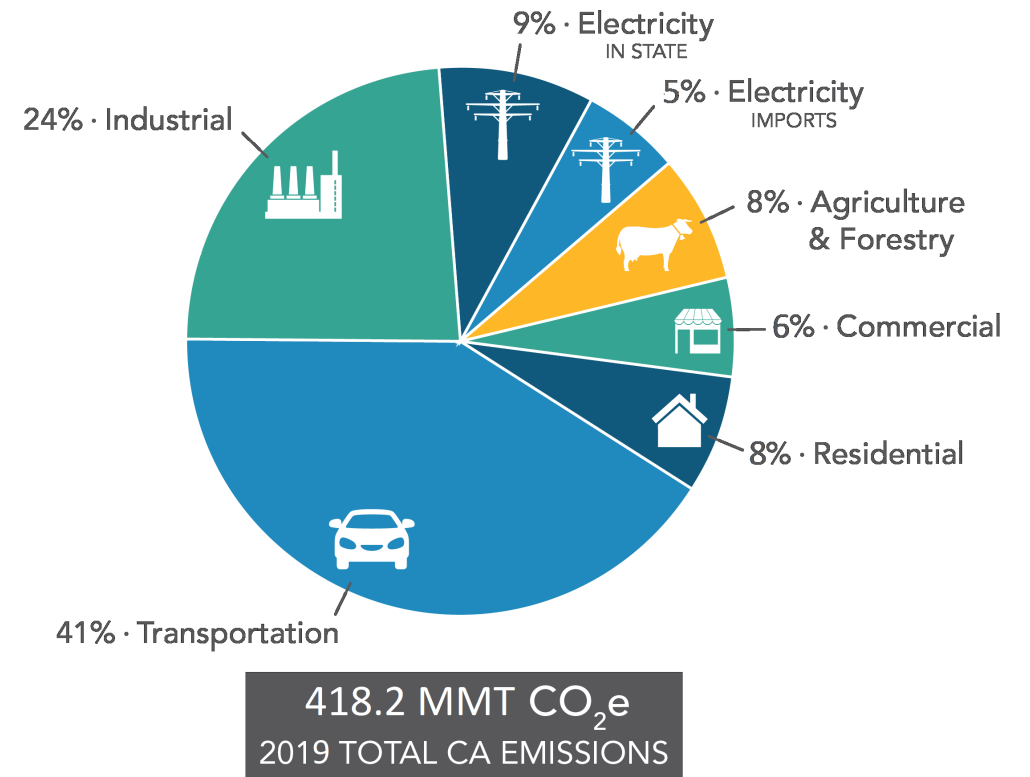
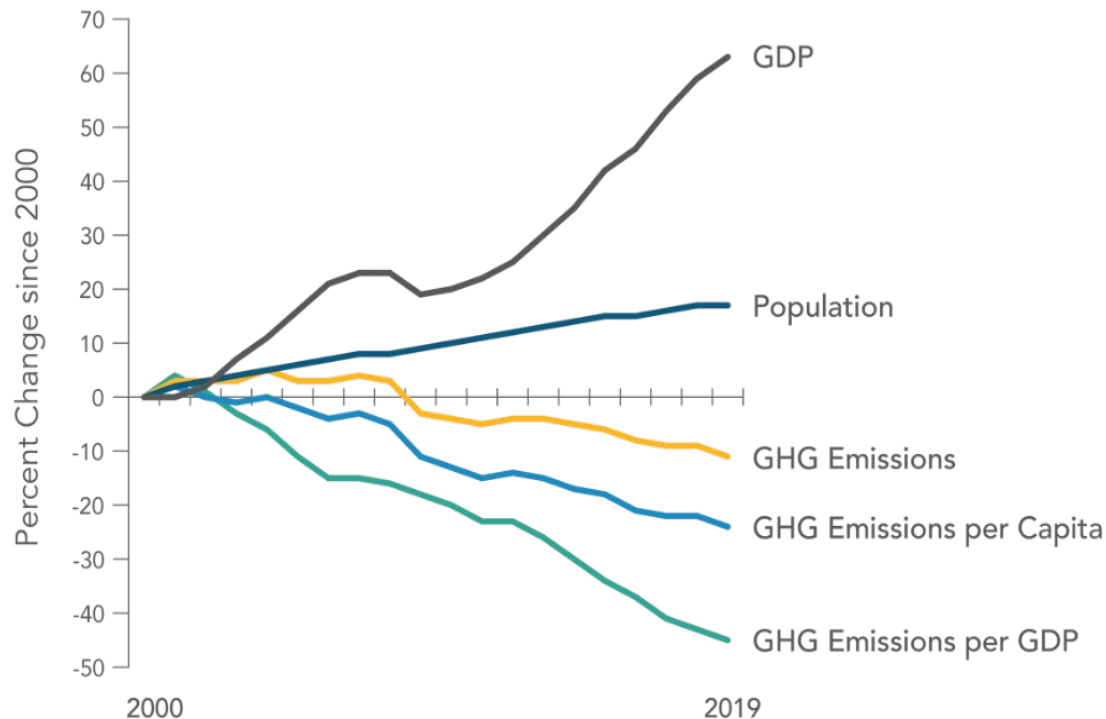
Cleaner Air Partnership

RAJINDER SAHOTA

SEPTEMBER 2021

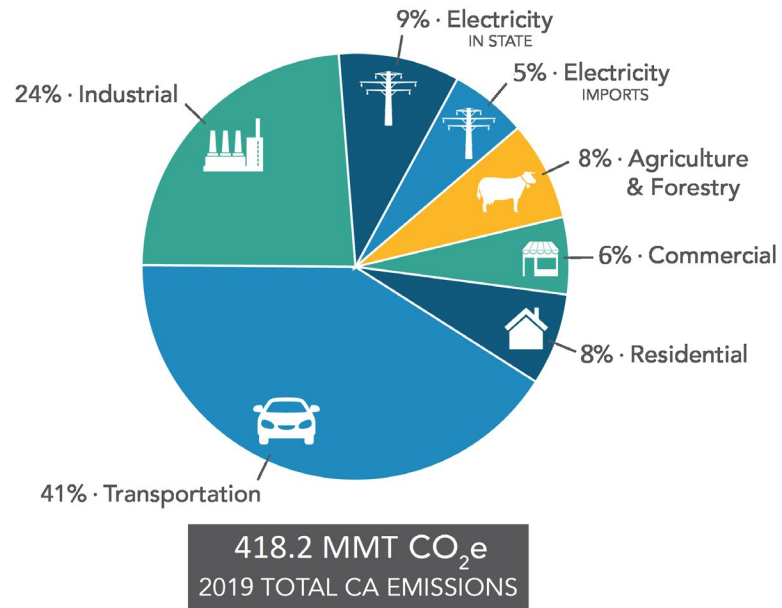


California's Trends Achieved AB 32 Target in 2016

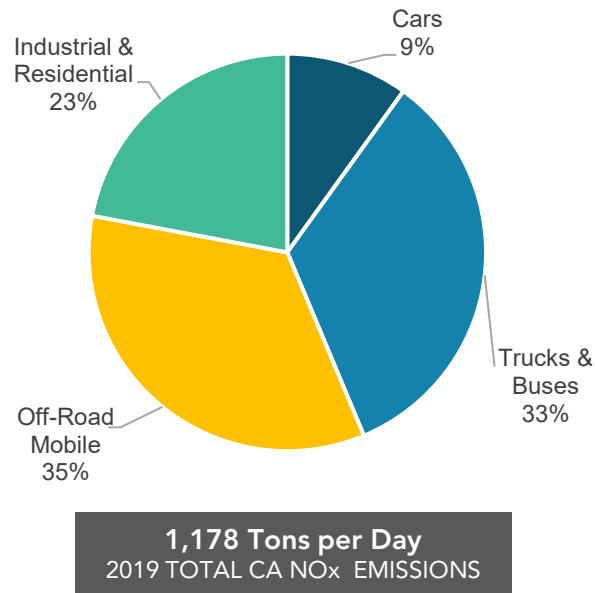


Source: 2020 Edition, California Greenhouse Gas Emission Inventory: 2000-2018

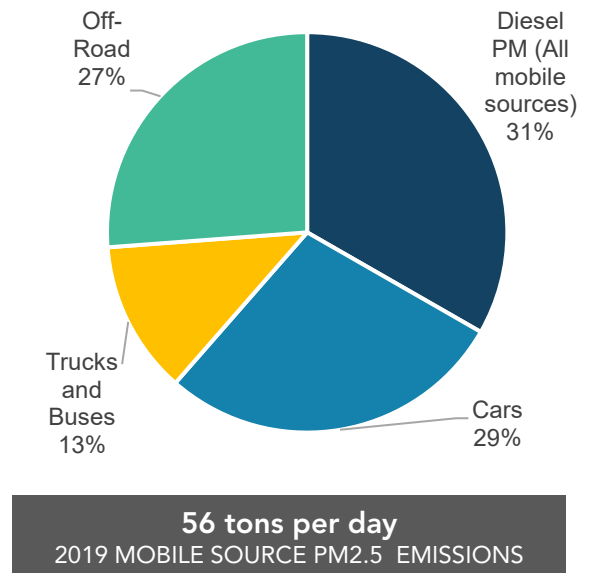
Transportation Sector: Largest source of GHG and NOx Emissions



Source: 2021 Edition, California Greenhouse Gas Emission Inventory: 2000-2019



Source: CARB Emission Inventory



Source: CARB Emission Inventory

AB 32 Climate Change Scoping Plan

- Scoping Plan(s) are action plans to ensure CA meets statewide GHG reduction targets (mandated in AB 32)
 - Scoping Plan(s) rely on a suite of climate policies to address emissions across all sectors
 - Required to be updated at least every 5 years
 - 2017 SP (most recent) – cost-effective and technologically feasible path to achieve the 2030 target
- Provide direct GHG emissions reductions and air quality benefits
- Minimize emissions “leakage” – increase to non-CA GHG emissions
 - Ensure high-road jobs remain
- Facilitate sub-national and national collaboration
- Support cost-effective and flexible compliance

Climate Action Plans

- California cities and counties continue to demonstrate state, national, and international leadership in addressing climate change.
- CAPs are not required in California, but various state laws incentivize their use.
- Ideally, CAPs bolster actions identified in the AB 32 Climate Change Scoping Plan.

2017 Scoping Plan Portfolio

40% below 1990 levels by 2030



Double building efficiency



60% renewable power



More clean, renewable fuels



Slash potent "super-pollutants" from dairies, landfills and refrigerants



Cleaner zero or near-zero emission cars, trucks, and buses



Cap emissions from transportation, industry, natural gas, and electricity



Walkable/bikeable communities with transit



Invest in communities to reduce emissions






Cleaner freight and goods movement



Protect and manage natural and working lands

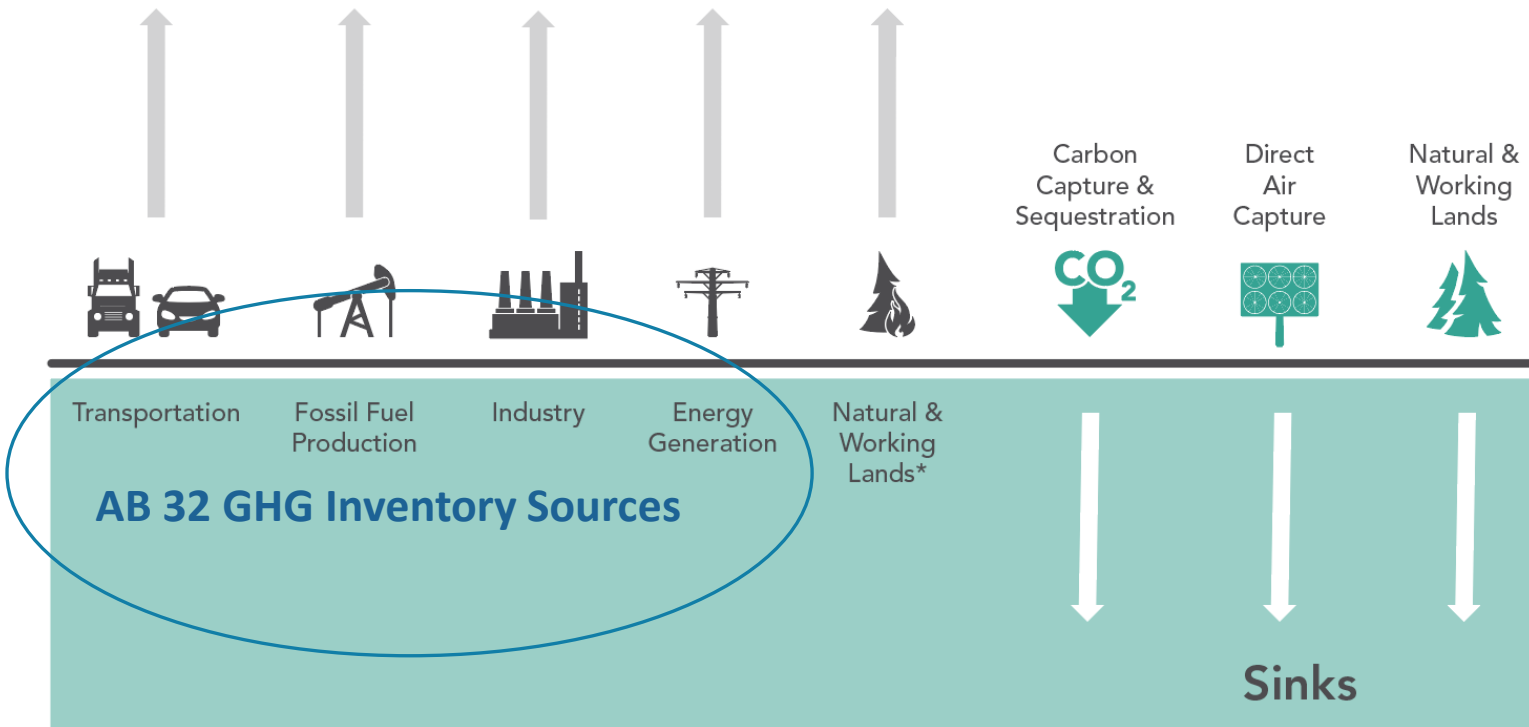
AB 32 Scoping Plan Implementation

-  Governors, Legislature, Californians want action to address climate change
-  Steady state-level policy signals are attracting private investment in clean technology
-  Delays in permitting and opposition at local level

Science-based Target: Achieve Carbon Neutrality (CO₂e) Mid-Century

Sources equal Sinks

Sources



*Natural and working land emissions come from wildfires, disease, land and ag management practices, and others

- Continue to reduce emissions from sources in AB 32 GHG Inventory
- Reduce emissions and increase sequestration in Natural and Working Lands
- Maximize all sinks with goal of achieving net negative

Key Considerations

- AB 32 Scoping Plans are the actionable blueprint for achieving the state's statutory climate targets
- Rely on successful implementation at all levels of government
- We will need to build new, or repurpose, existing infrastructure and assets—CAPs should consider that outcome
- There will need to be substantial investment in this decade to be successful in achieving carbon neutrality by 2045
- Government does not have the funds alone to support the transition, we need to attract private investments and partnerships

Additional Information

Carbon Neutrality Website

<https://ww2.arb.ca.gov/our-work/programs/carbon-neutrality>

Scoping Plan Website

[AB 32 Climate Change Scoping Plan | California Air Resources Board](#)

All Workshops

[Scoping Plan Meetings & Workshops | California Air Resources Board](#)

2017 Scoping Plan

<https://ww2.arb.ca.gov/our-work/programs/ab-32-climate-change-scoping-plan>