

Overview of California's Key Executive Orders and Legislation Governing Air Quality and Greenhouse Gas Emissions (GHGs)

| Date | Title | Summary |
|--------------------|-----------------------------------|--|
| Air Quality | | |
| 1967 | Mulford-Carrell Air Resources Act | Established the California Air Resources Board (CARB). |
| 1988 | California Clean Air Act | Required all areas of California to attain ambient air quality standards at earliest practicable date. |

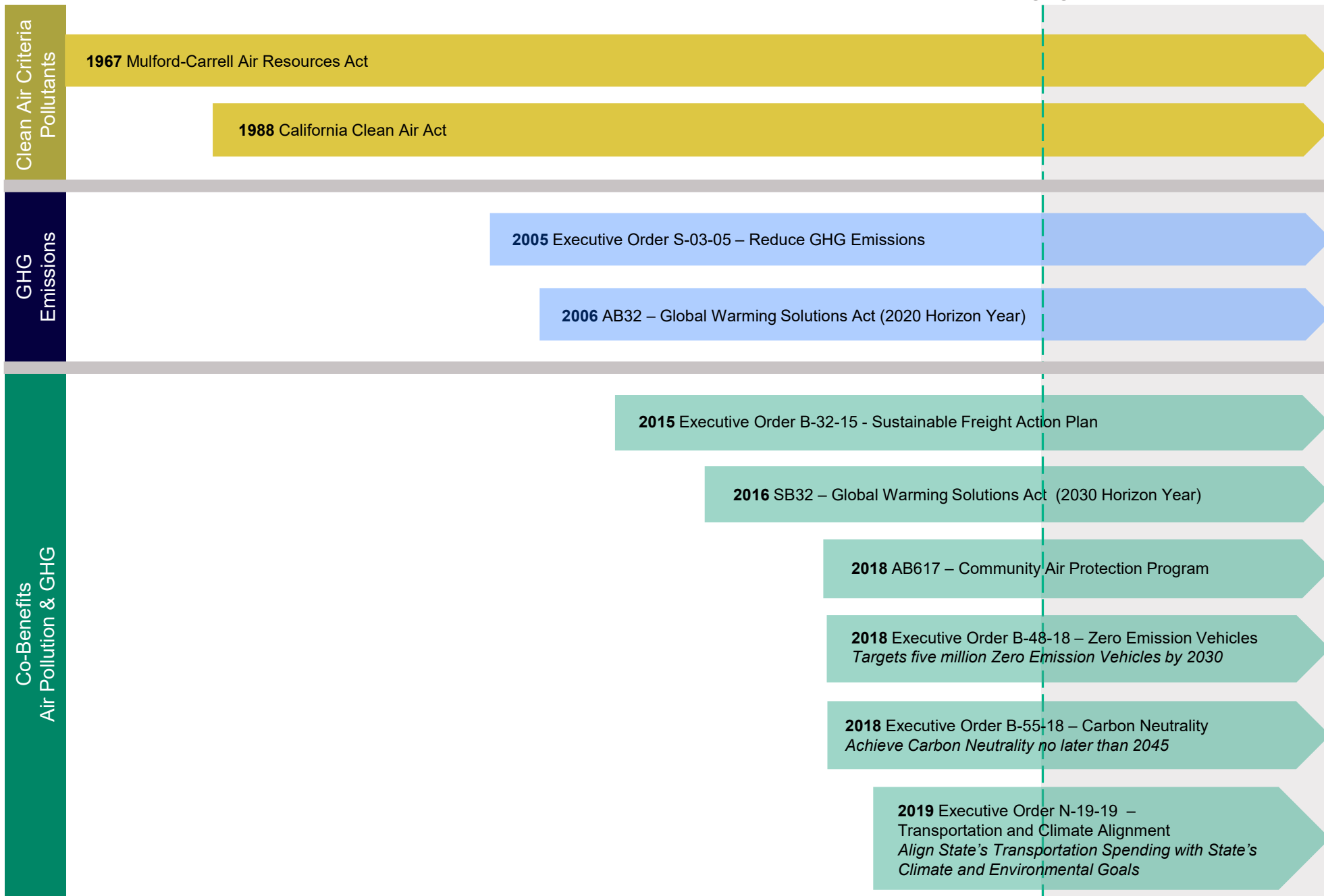
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| Greenhouse Gas Emissions | | |
| 2005 | Executive Order S-03-05 | Identified statewide Greenhouse Gas (GHG) emission reduction goals, which included reducing emissions to 1990 levels by 2020 and reducing emissions 80% below 1990 levels by 2050. |
| 2006 | Assembly Bill 32: Global Warming Solutions Act | Established California's GHG Reduction target to reduce emissions to 1990 levels by 2020. |

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| Co-Benefits of Air Quality and GHG Emissions | | |
| 2015 | Executive Order B-32-15: Sustainable Freight Action Plan | Established goals for zero emission vehicles (ZEVs) in freight transportation. |
| 2016 | Senate Bill 32 – Global Warming Solutions Act | Expanded upon Assembly Bill 32, requires California to reduce its GHG emissions to 40% below the 1990 levels by 2030. |
| 2018 | Assembly Bill 617: Community Air Protection Program | Required CARB to develop a new community focused program to more effectively reduce exposure to air pollution and preserve public health in environmental justice communities: the Community Air Protection Program. |
| 2018 | Executive Order B-48-18: Zero Emission Vehicles | Set state goal of five million ZEVs on California roads by 2030, as well as supporting charging infrastructure. |
| 2018 | Executive Order B-55-18: Carbon Neutrality | Established goal to achieve statewide carbon neutrality by 2045. |
| 2019 | Executive Order N-19-19: Transportation and Climate Alignment | Directed state agencies to consider climate goals in their spending and operations with a focus on reducing impacts from transportation. |

Legislative Authority

California Executive Orders & Legislation

2020



California Air Resources Board's (CARB's) Recent and Anticipated Rulemaking and Implementation Schedule Affecting Goods Movement

| Date | Rule or Regulation | Description and Implementation Schedule |
|---------------------|--|--|
| Recent | | |
| 2007 | Drayage Truck Regulation | Established a truck registry and an 85% Particulate Matter (PM) emission reduction standard for all drayage trucks calling to California ports and intermodal rail yards beginning in 2013 . |
| 2007 | Ocean Going Vessel At-Berth Regulation (Passenger Vessels and Container Vessels) | Required shore power (or an alternative emission capture and control system) to be used while at berth for container ships, passenger ships, and refrigerated-cargo ships. Eligible vessel fleets must comply with the At-Berth Regulation by the following dates: <ul style="list-style-type: none"> • 2014 = 50% of eligible calls • 2017 = 70% of eligible calls • 2020 = 80% of eligible calls |
| Anticipated* | | |
| 2020 | Ocean Going Vessel At-Berth Regulation (Roll-on / Roll-off Vessels and Tanker Vessels) | Proposes to expand the 2007 At Berth Regulation by requiring shore power (or an alternative emission capture and control system) for roll-on / roll-off vessels and tanker vessels in 2025 . |
| 2020 | Advanced Clean Truck Regulation | Proposes to accelerate a large-scale transition to zero-emission medium-and heavy-duty trucks and reach carbon neutrality by 2045 . |
| 2022 | Cargo Handling Equipment Transition to Zero Emissions | Proposes to amend existing Cargo Handling Equipment Regulation to transition to zero-emissions; anticipated to go into effect beginning in 2026 |
| 2022 | Drayage Truck Regulation Transitioning to Zero Emissions Operations | Proposes to amend the existing Drayage Truck Regulation and promote transitioning fleets to zero-emission operations, beginning 2026-2028 . |

*All information taken from CARB's 2018 Concept Paper unless otherwise noted.

State Agencies Rulemaking, Implementation and Anticipated Future Action Schedule

