

# AB 197

# Mary Nichols Testimony

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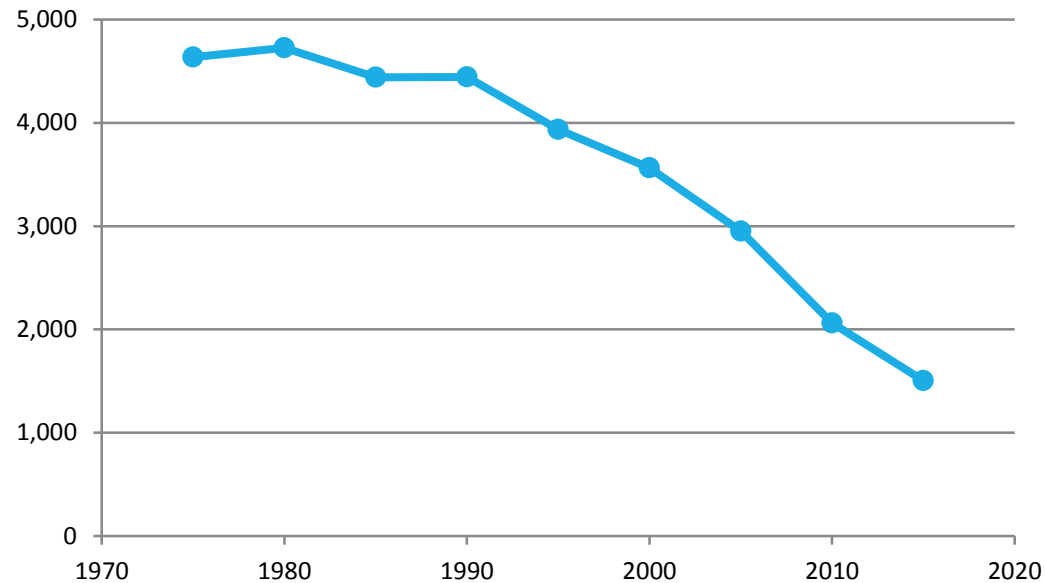
JULY 9, 2019



# Air Quality Successes – Criteria Pollutants

- NOx emissions reduced nearly 70% since the 1970s
- Reductions are due to improvements in vehicle efficiency and advancements in stationary source engine and stack emission control technologies

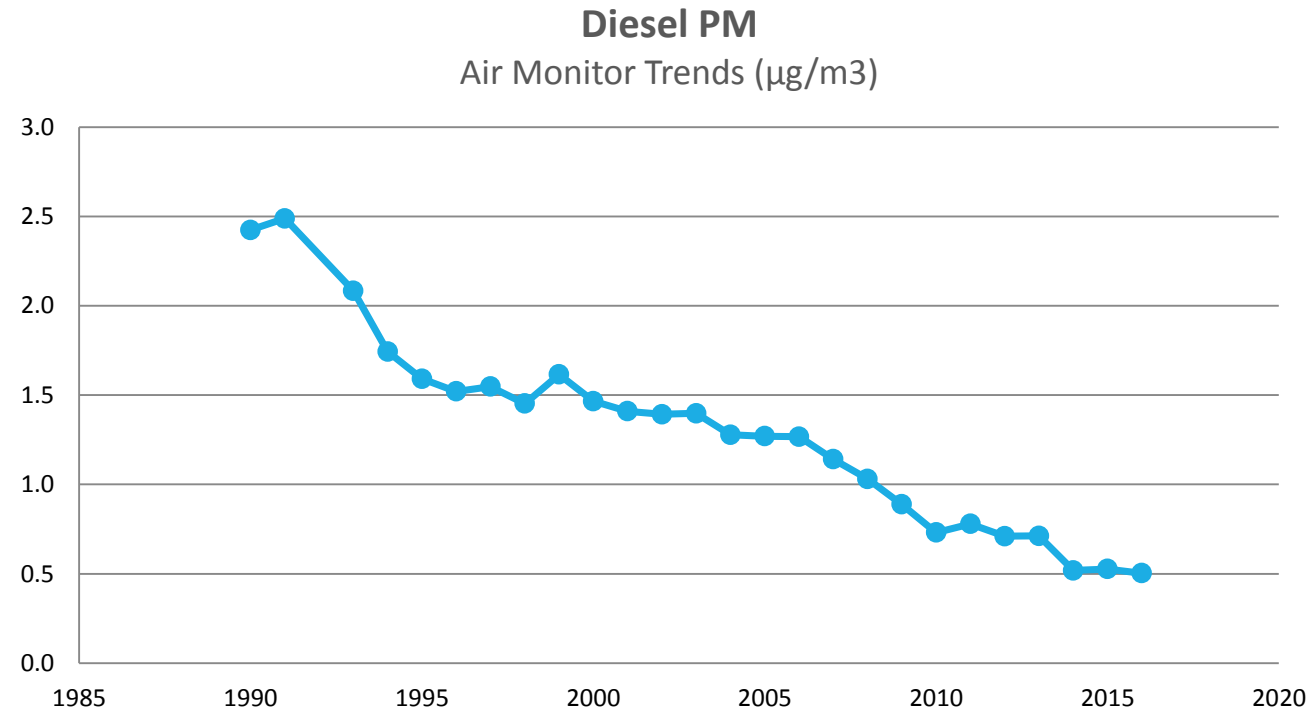
**NOx Statewide Emission Trend (tons/day)**



*\*Total NOx combines NO<sub>2</sub>, NO, and additional species (so NOx is higher than NO<sub>2</sub> alone)*

# Air Quality Successes – Diesel PM

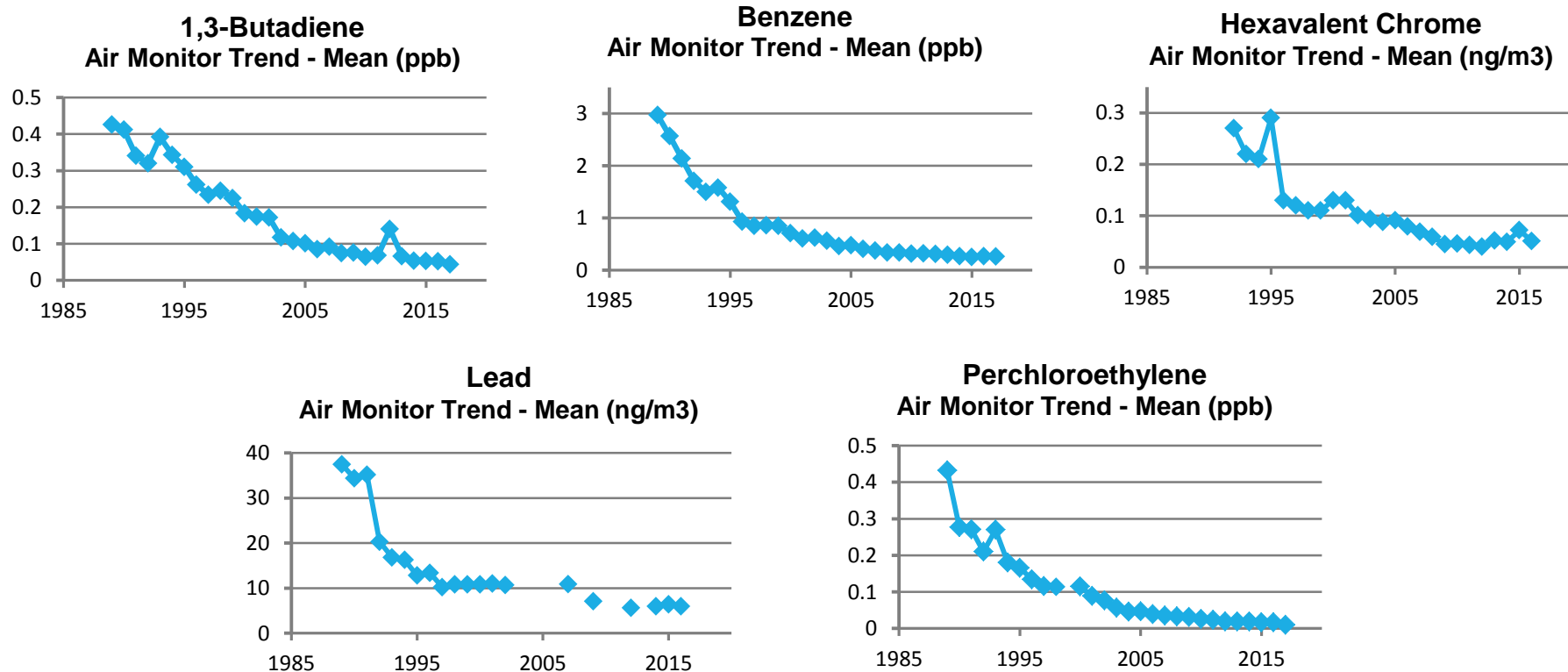
Diesel PM shows an 80% reduction since 1990



*\*Ambient levels of Diesel PM are modeled based on an updated EPA/CARB methodology.*

# Air Quality Successes – Toxic Air Contaminants

Substantial statewide toxic air contaminant reductions have occurred since the early 1990s due to Federal (Clean Air Act), State (Air Toxics Control Measures) and local air district regulations (stationary source reductions).

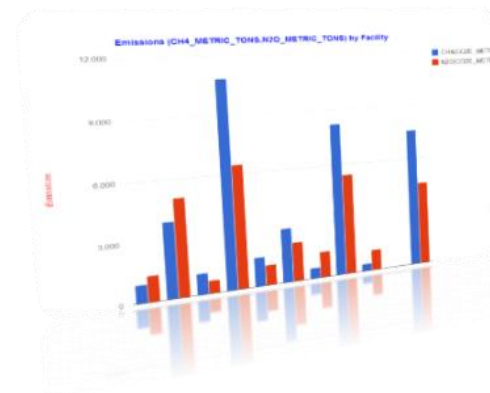
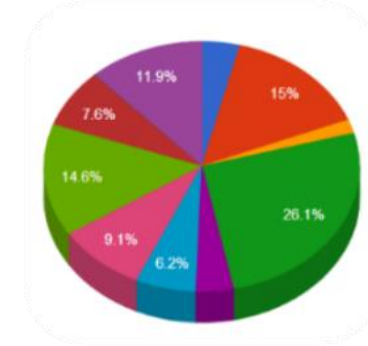
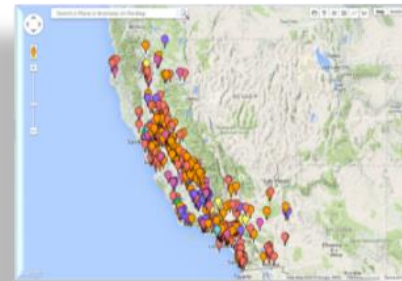


# Integrated Emissions Inventories: CARB Pollution Mapping Tool

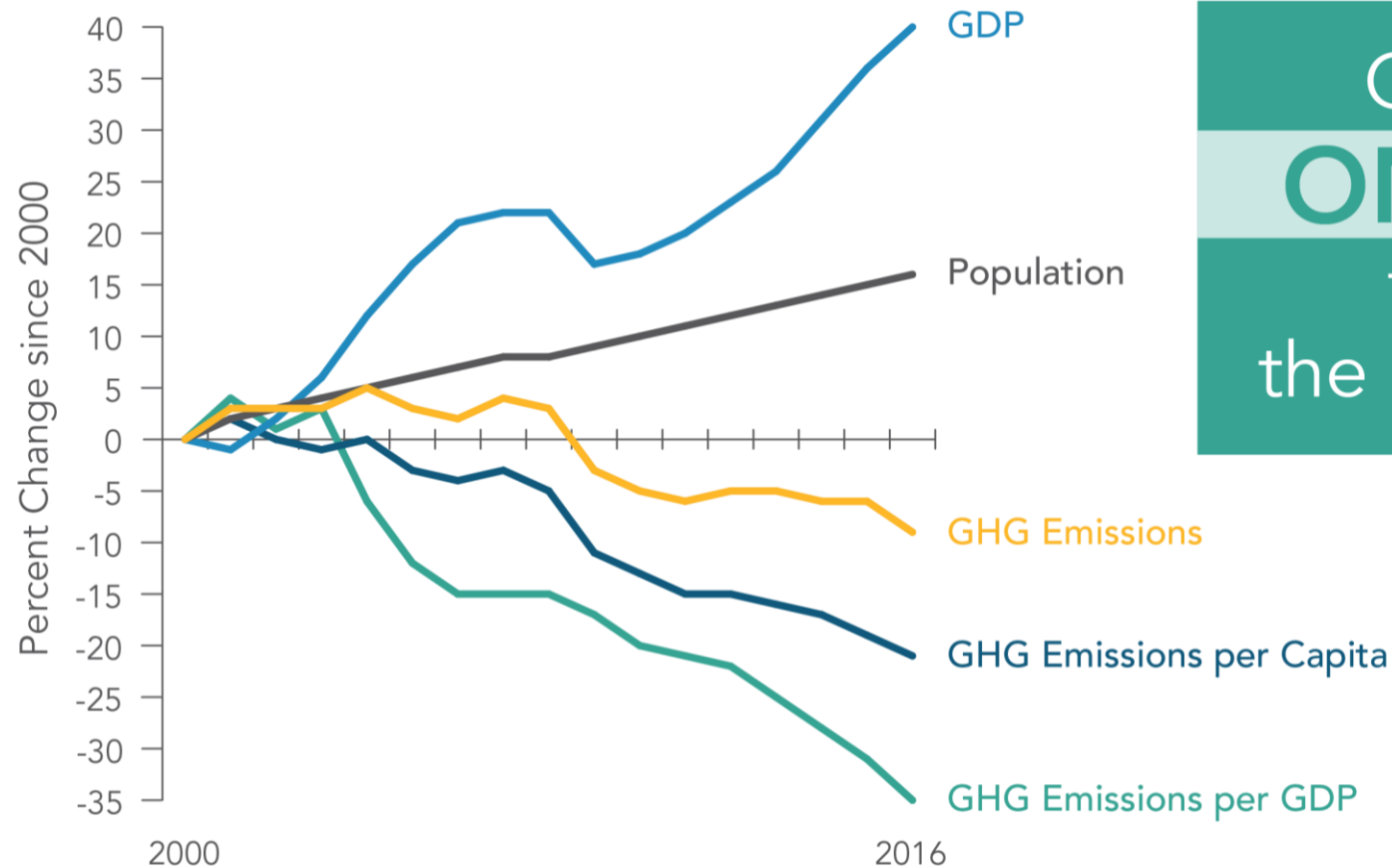
Enables the public to query, view, and analyze emissions of GHG, criteria air pollutants and toxic air contaminants from large facilities

Currently contains emissions data from 2008 to 2017

Staff are working on new functionality to incorporate on-road vehicle emissions data by early 2020



# Growing and Cleaner Economy



California is  
**ON TRACK**  
to achieve  
the goals of AB 32

# Scoping Plan Strategy for 2030: A suite of companion measures

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- SB 350 - increase renewable energy and energy efficiency
- SB 1383 - Short-Lived Climate Pollutant Plan
- Mobile Source Strategy - help State achieve its federal and state air quality standards
- Enhanced Low Carbon Fuel Standard
- Sustainable Freight Action Plan
- SB 375 – support sustainable community development
- Post-2020 Cap-and-Trade Program

Based on an evaluation of alternatives and an uncertainty analysis, this suite of policies has the highest certainty of achieving the 2030 target of at least 40 percent below 1990 levels

# Scoping Plan Key Points Summary

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- This plan provides a cost-effective, achievable path for reaching the State's 2030 GHG target
- 2030 target is a milestone on the way to achieve greater reductions needed to stave off the catastrophic impacts of climate change
- We need to continue to evaluate and incorporate additional opportunities to reduce GHGs, criteria, and air toxics emissions as they become cost-effective and technologically feasible
- Implementation of the SP measures must not disproportionately impact low-income communities
- Continue to monitor, adjust, and enforce existing air quality programs, in addition to implementing AB 617
- Next Scoping Plan update in 2022



# Implementation of the 2017 Scoping Plan

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- Set GHG Planning Targets
  - Electricity sector and retail electricity providers
  - Sustainable Communities Strategies
- Strengthen/Extend Existing Regulations
  - Vehicle Standards
  - Low Carbon Fuels
  - Cap-and-Trade Program
- Adopt New Requirements
  - Short-Lived Climate Pollutants from refrigeration/foam end uses

# Reporting and Oversight

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*Ongoing monitoring and reporting provides opportunities for public input, Board feedback, and adjustments if needed*

- CARB annual Greenhouse Gas Inventory (data) and annual Mandatory GHG Reporting Data
- Annual status report to the Board on Scoping Plan implementation
- Update to AB 32 Scoping Plan at least once every 5 years (written report)
- SB1018 (written reports)
  - Semi-annual update on key climate programs
  - Semi-annual report on actions proposed by WCI, Inc.
  - Annual fiscal report on prior fiscal year
  - Annual report on resources by major program area

# Reporting and Oversight, cont.

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- AB 197
  - Annual informational report by CARB Chair on emissions covered by Scoping Plan
  - Finalizing new requirements for the reporting of criteria air pollutants and toxics air contaminants
- AB 398
  - Annual report by the Independent Market Advisory Committee on environmental and economic performance of relevant climate policies
  - Annual report by the Legislative Analyst Office on the economic impacts and benefits of specified greenhouse gas emissions targets

# Federal Activities Impact Achieving Climate and Air Quality Goals

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- ▣ Light-duty GHG Vehicle Standards
- ▣ Heavy-duty Vehicle Standards
- ▣ Clean Power Plan and New and Modified Power Plant GHG Standards
- ▣ U.S. EPA Methane Rules for Oil and Analysis
- ▣ U.S. Bureau of Land Management Methane Waste Rules for Oil and Gas
- ▣ Stationary Source Permitting
- ▣ Delays in implementing tighter Ozone Standards

# Thank You

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