

# States' Experience and Perspectives with CA Mobile Source Programs



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# Presentation Overview

1. §177 States and CA-LEV
2. States adopting CA HDDE program
3. State needs for Phase 2 HDV Program
  - *State climate goals*
  - *NOx*

# §177 in the States

1. First adopters in 1990s: ME, MA, NY, & VT
  - *These States established precedent for §177 CA-LEV adoption*
  - *States were sued, and successfully defended §177 CA-LEV programs in court*
2. Now, 12 States (including 7 of 8 NESCAUM States) are implementing CA-LEV

# NESCAUM's Role with §177 States

1. Frequently testifies and submits comments to CARB on LEV/ZEV program
2. Acts as liaison to ARB staff on LEV/ZEV program issues
3. Supports §177 States with adoption and implementation
4. Facilitates multi-state ZEV Implementation Task Force

# States & CA's HDDE Program

1. 10 States have opted into CA HDDE program
  - *CT, DE, GA, ME, MD, NJ, NY, NC, PA, & RI as backstop for 2007 federal rule*
2. 4 States still have CA HDDE standards
  - *GA, ME, NJ, & PA*

# Continuing State Needs for Phase 2 HDV Program

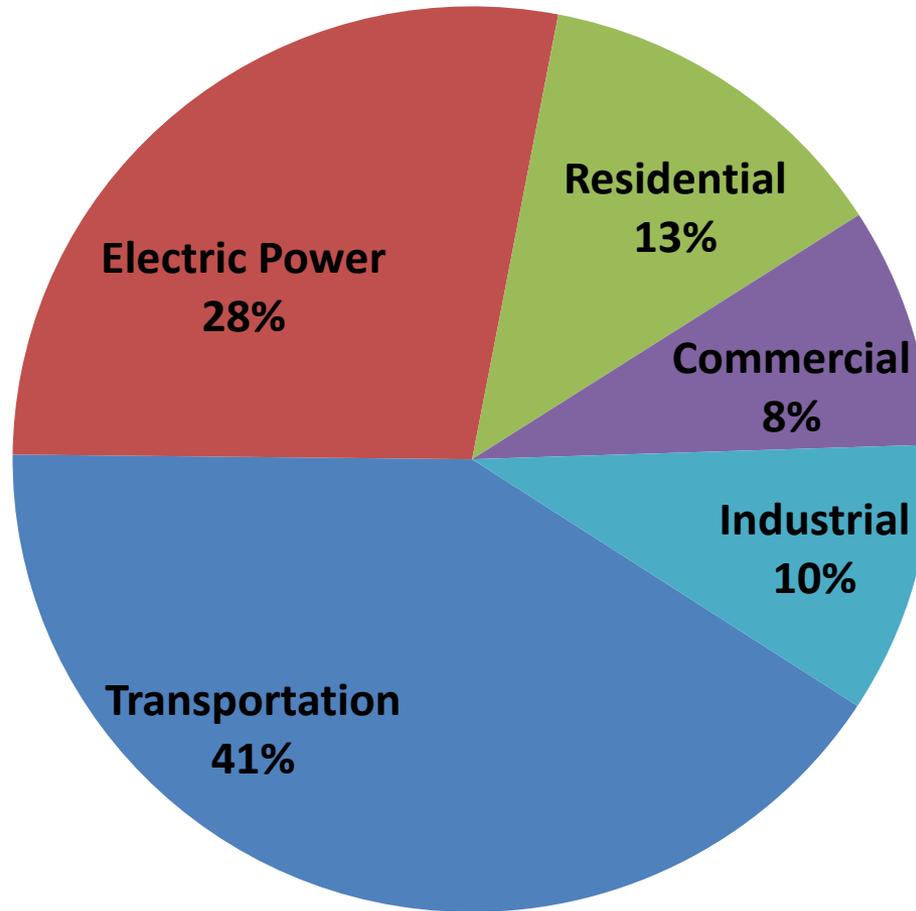
I. State GHG targets

II. NO<sub>x</sub>

# Many States Have 2050 GHG Targets Similar to CA's

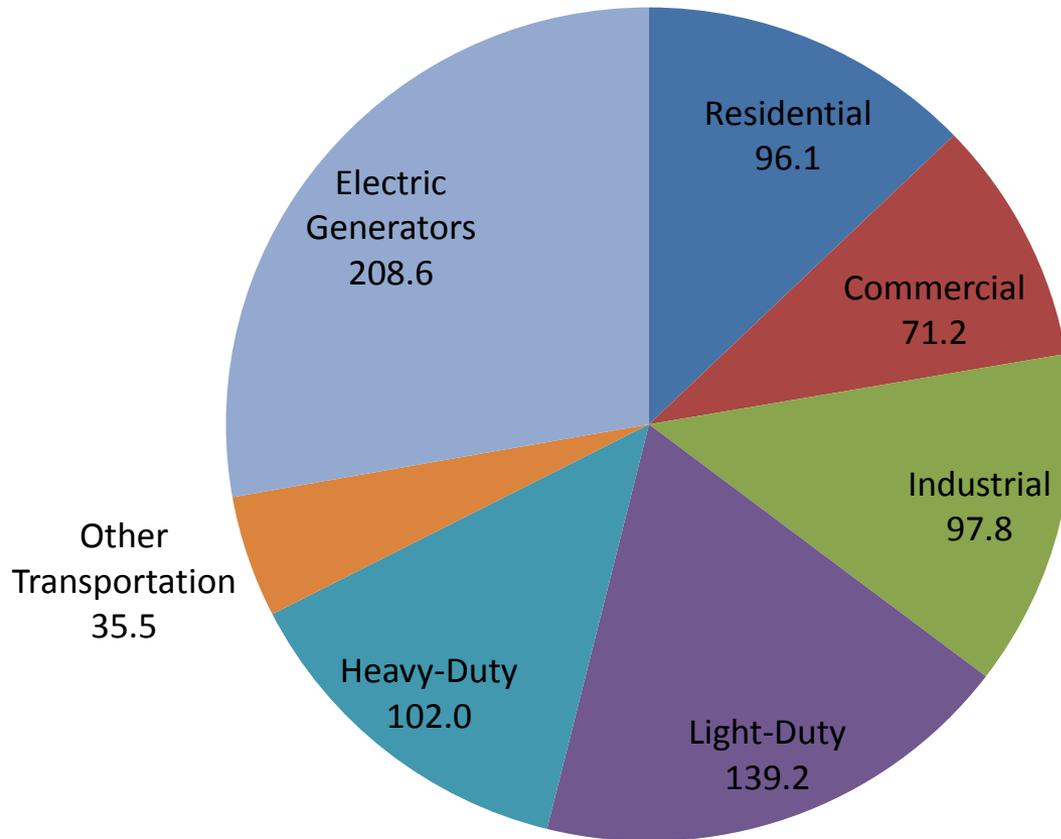
1. New England Governors / Eastern Canadian Premiers
2. Individual NESCAUM States
  - *CT, ME, MA, NH, NJ, RI, VT*
3. At least 4 other States with climate targets
  - *FL, NM, OR, WA*

# 2011 CO<sub>2</sub> Emissions by Sector §177 LEV States



Source: Source: EIA, "State CO<sub>2</sub> Emissions" ([http://www.eia.gov/environment/emissions/state/state\\_emissions.cfm](http://www.eia.gov/environment/emissions/state/state_emissions.cfm))

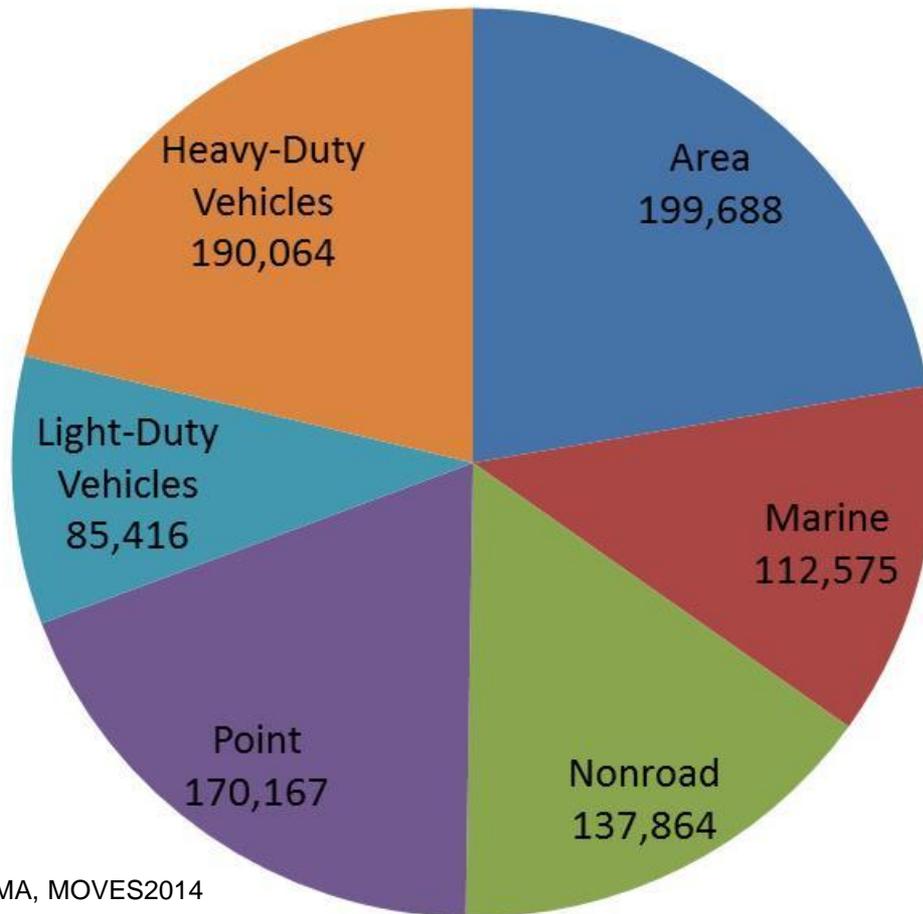
# CO<sub>2</sub> Emissions in OTC Region, Excluding VA, 2020 (MMT)



Source: EPA SIT Tool, MOVES2014

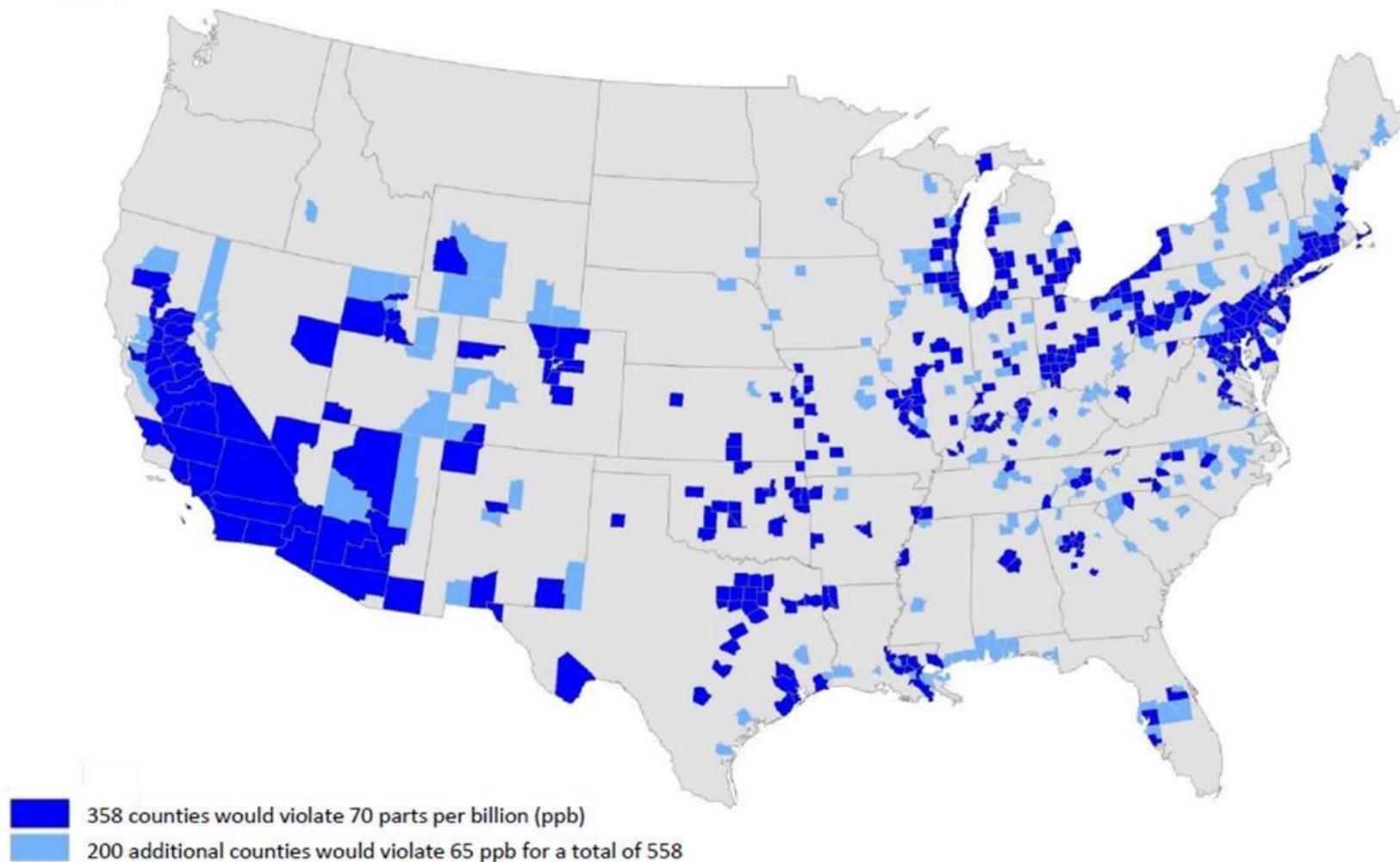
**NOx**

# NOx Emissions in OTC Region, Excluding VA, 2020 (tons)

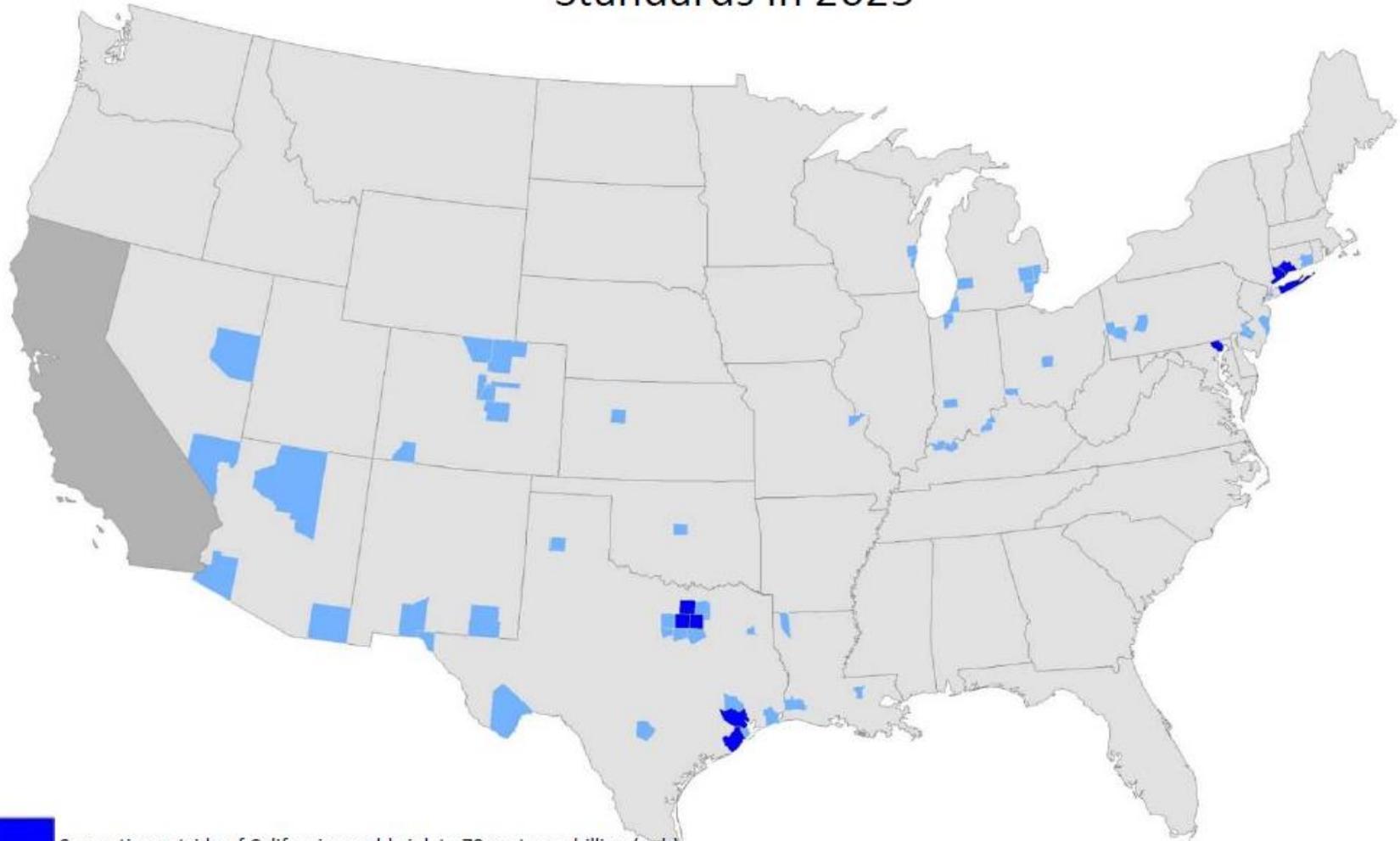


Source: MARAMA, MOVES2014

## Counties Where Measured Ozone is Above Proposed Range of Standards (65 – 70 parts per billion)



# EPA Projects Most Counties Would Meet the Proposed Range of Standards in 2025



- 9 counties outside of California would violate 70 parts per billion (ppb)
- 59 additional counties outside of California would violate 65 ppb for a total of 68

Because several areas in California are not required to meet the existing standard by 2025 and may not be required to meet a revised standard until sometime between 2032 and 2037, EPA analyzed California separately. Details are available in the Regulatory Impact Analysis for this proposal.

# NOx – It's More than Just Ozone

- Regional Visibility
- Particulate Matter
- Acid Deposition
- Eutrophication

# Summary

- States have long history of adopting and supporting CA clean vehicle programs
- There's a continuing need for cleaner HDVs
  - State GHG targets
  - NOx