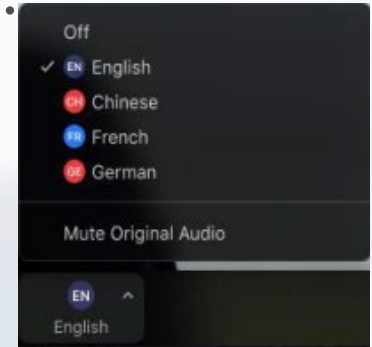




2022 State SIP Strategy  
Public Workshop  
February 10, 2022

# Zoom Language Selection

- Click “Interpretation” found at the bottom of the screen
- Click the language you would like to hear: English or Spanish.
- To only hear interpreted language (Spanish), click “Mute Original Audio”



# Zoom Webinar Details

- Telephone Call-in: (877) 336-1831  
Access Code: 7673700
- Questions will be taken in the middle and at the end of the presentation
  - In Zoom: Use “Raise Hand” feature, or type in “Q&A” box
  - On phone:
    - #2 to “Raise Hand”
    - \*6 to Unmute/Mute

# Today's Workshop

- Update on 2022 State SIP Strategy progress
- Listen to input from stakeholders
- Solicit ideas
- Answer questions



# 70 ppb Ozone Challenges Across the State



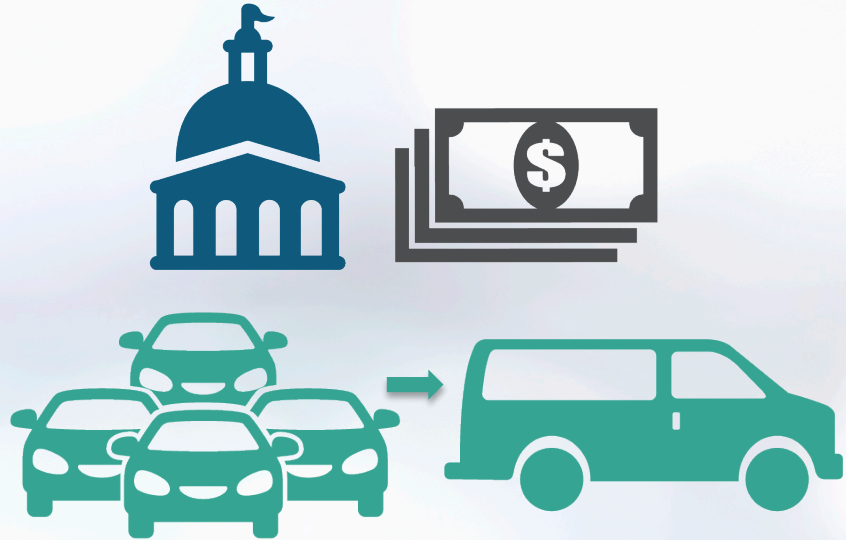
- 19 areas designated nonattainment
- Only two extreme areas in the country
- Most areas need new emissions reductions to attain on time

# What's New Since October

- Quantified emissions reductions
- Added Zero Emission Truck Measure
- Added Enhanced Regional Emission Analysis in SIPs Measure
- Removed Phase 3 Greenhouse Gas Standards for Medium- and Heavy-Duty Vehicles Measure
- Moved CORE-CON Measure from the proposed measure list to the incentives' discussion

# Strategy Overview

- Transition away from combustion and reduce emissions to levels modeling predicts will support attainment of the 70 ppb standard
- Drive to Zero through:
  - regulations,
  - incentives, and
  - voluntary programs



# Proposed New 2022 SSS Measures

## On-Road

- Advanced Clean Fleets Regulation
- Zero-Emission Trucks
- On-Road Motorcycle New Emissions Standards
- Clean Miles Standard\*
- Enhanced Regional Emission Analysis in State Implementation Plans

## Off-Road

- Tier 5 Off-Road Engine Standard
- Amendments to In-Use Diesel-Fueled Fleets Regulation
- Zero-Emission TRU Part II
- Commercial Harbor Craft
- Cargo Handling Equipment
- Off-Road Zero-Emission Targeted Manufacturer Rule
- Clean Off-Road Fleet Recognition Program
- Spark-Ignition Marine Engine Standards

## Primarily Federally-Regulated

- In-Use Loco Regulation
- Future Measures for Aviation Emissions Reductions
- Future Measures for OGV Emissions Reductions

## Other

- Consumer Products Regulation Amendments
- Zero-Emission Standard for Space and Water Heaters



# On-Road Mobile Sources

- Advanced Clean Fleets Regulation
- Zero-Emission Trucks
- On-Road Motorcycles New Emissions Standards
- Clean Miles Standard Regulation
- Enhanced Regional Emission Analysis in SIPs



# Off-Road Vehicles and Equipment

- Tier 5 Off-Road New Compression-Ignition Engine Standards
- Amendments to the In-Use Off-Road Diesel Fuel Fleets Regulation
- Transport Refrigeration Unit Regulation – Part II
- Commercial Harbor Craft Amendments
- Cargo Handling Equipment Amendments
- Off-Road Zero-Emission Targeted Manufacturer Rule
- Clean Off-Road Fleet Recognition Program
- Spark-Ignition Marine Engine Standards



# Control Measures for Other Sources

- Amendments to the Consumer Products Regulation
- Zero-Emission Standard for Space and Water Heaters

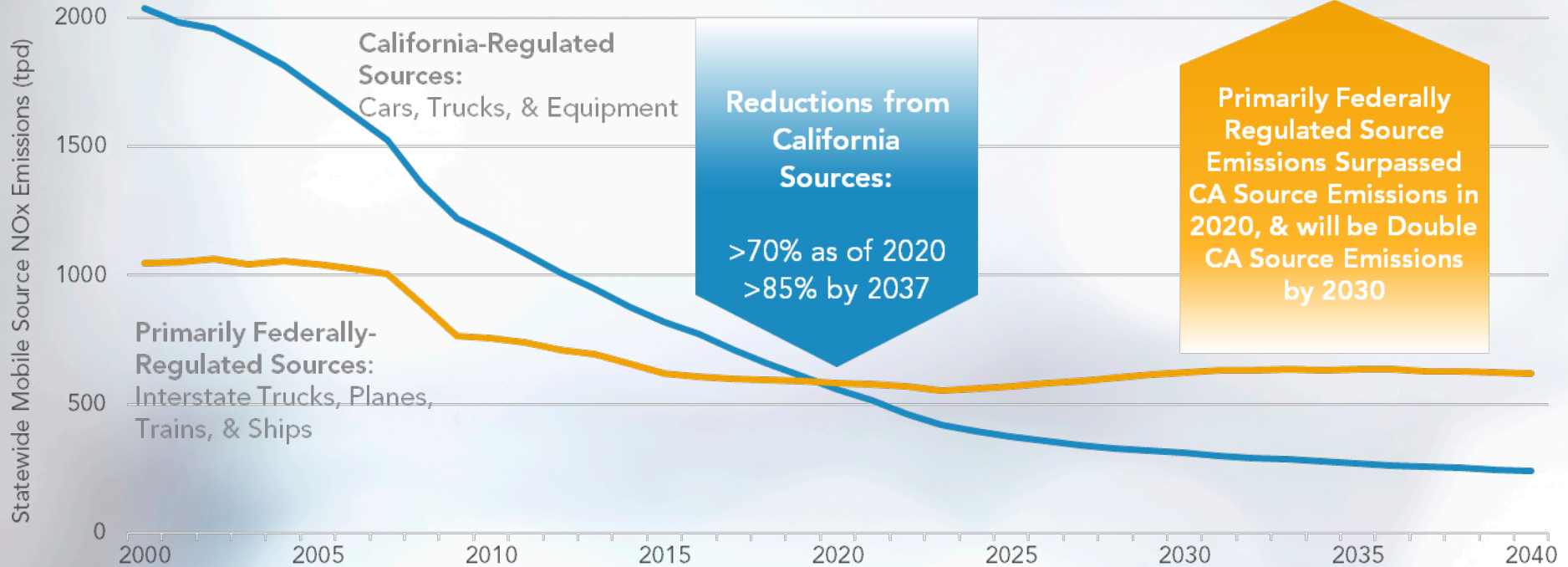


# Sources Primarily Regulated at the Federal and International Level – CARB Measures

- In-Use Locomotive Regulation
- Future Measures for Aviation Emissions Reductions
- Future Measures for Ocean-Going Vessel Emissions Reductions



# Federal Action is Critical



# Federal Actions Needed



## On-Road Heavy-Duty Vehicles

- Low-NOx Engine Standards
- Zero-Emission Engine Standards



## Off-Road Equipment

- Tier V Standards
- Zero-Emission Standards Where Feasible



## Locomotives

- More Stringent National Emission Standards
- Zero-Emissions Standards for Switcher
- Address Remanufacturing Loophole



## Ocean-Going Vessels

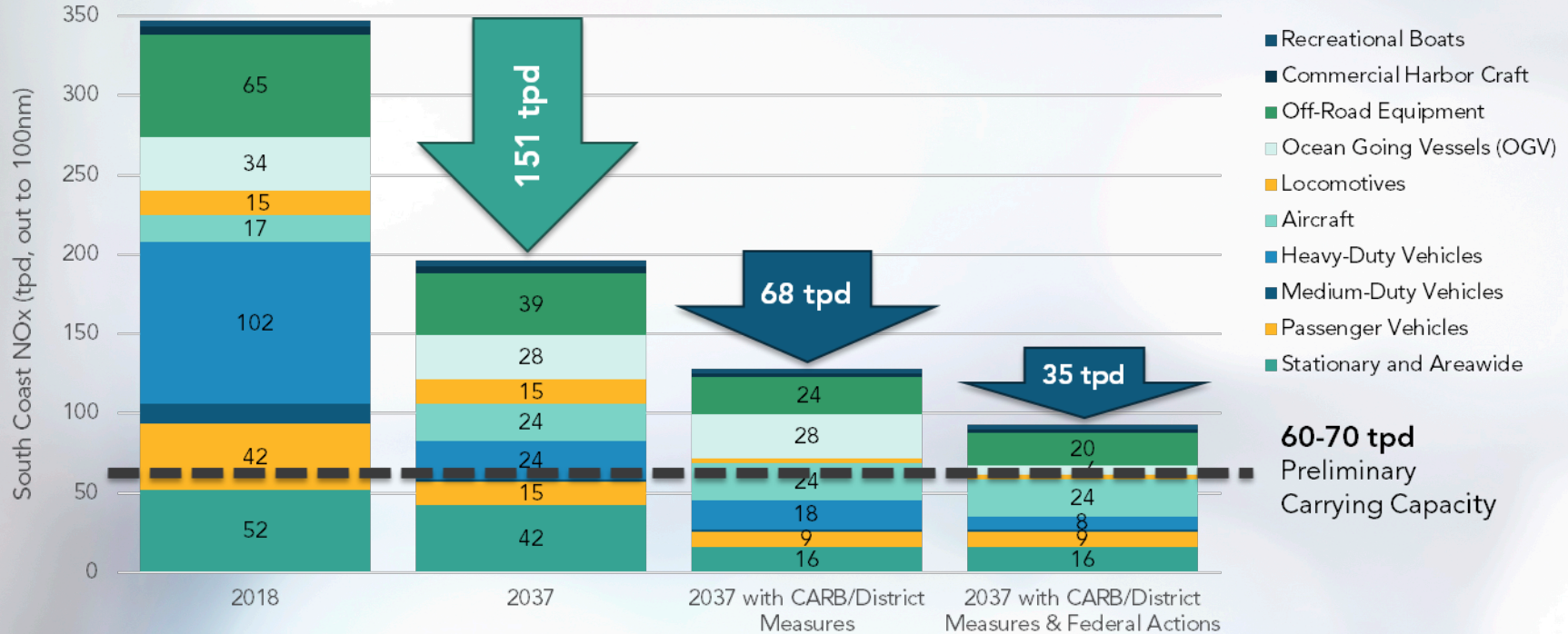
- More Stringent NOx and PM Standards Requirements
- Cleaner Fuel and Visit Requirements



## Aviation

- More Stringent Engine Standards
- Cleaner Fuel and Visit Requirements
- Zero-Emission Airport On Ground Support Requirements

# Reductions Still Needed in South Coast



# Status of Public Measure Suggestions

On-Road Heavy-Duty Vehicle Useful Life Regulation\*



Additional Incentive Programs Zero-Emission Trucks



Enhanced Transportation Choices

Indirect Source Rule - Suggested Control Measure or Regulation

BACT/BARCT Determination

Additional Building and Appliance Emission Standards\*



Pesticides Regulation

Enhanced Bureau of Automotive Repair Consumer Assistance Program



# Next Steps

February 2022: Obtain Public and Board Feedback and Ideas

Ongoing: Identify commitments for other nonattainment areas,  
Identify more measures to provide for South Coast attainment in 2037

March 2022:  
Release 2022 State SIP Strategy Draft Environmental Analysis

Summer 2022:  
Release Proposed 2022 State SIP Strategy

Summer 2022:  
Board Consideration of 2022 State SIP Strategy & District SIPs

Thank you!

**Questions\Comments?**

# Contact Us!

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<https://ww2.arb.ca.gov/resources/documents/2022-state-strategy-state-implementation-plan-2022-state-sip-strategy>