

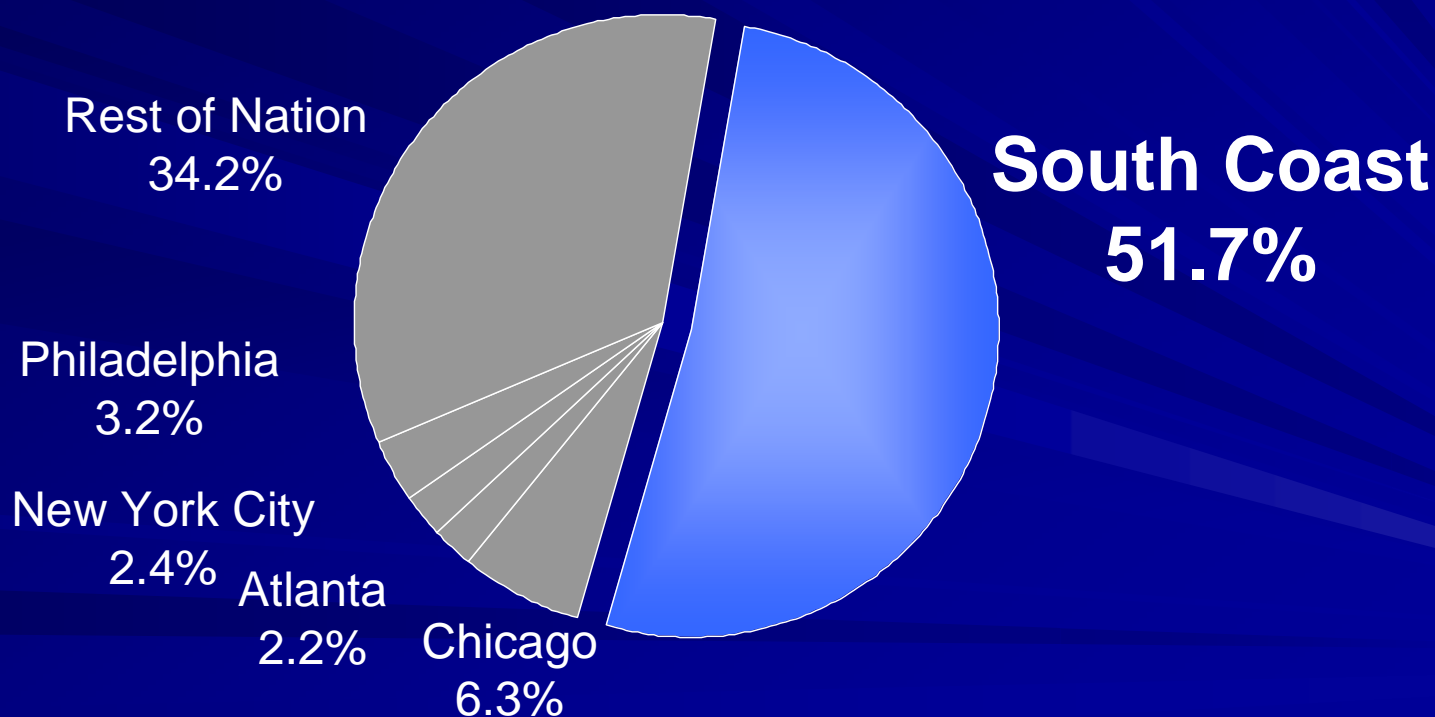
# 2007 AQMP



*Investing Today for a Healthier Tomorrow*

# Basin's Disproportionate Air Pollution Exposure

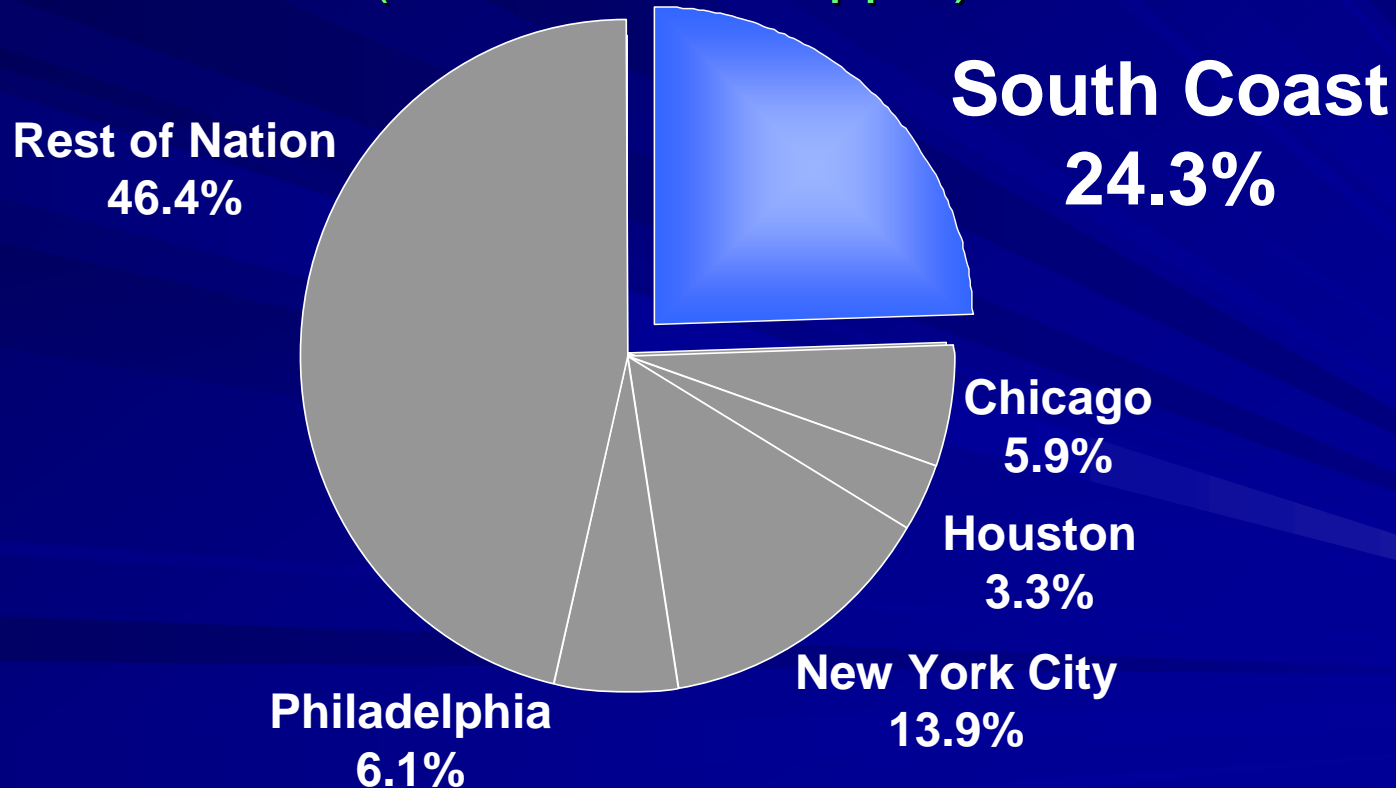
Annual Average PM2.5  
(NAAQS = 15 ug/m<sup>3</sup>)



Population-weighted exposures above the NAAQS, based on 2000-02 AIRS data

# Basin's Disproportionate Air Pollution Exposure

8 Hour Ozone  
(NAAQS = 0.08 ppm)



Population-weighted exposures above the NAAQS, based on 2000-02 AIRS data

**5,400 Premature Deaths**

**2,400 Hospitalizations**

Source: California Air Resources Board

# 140,000 Asthma & Lower Respiratory Symptoms

**5,000,000 Minor Restricted Activity Days**

**980,000 Lost Work Days**

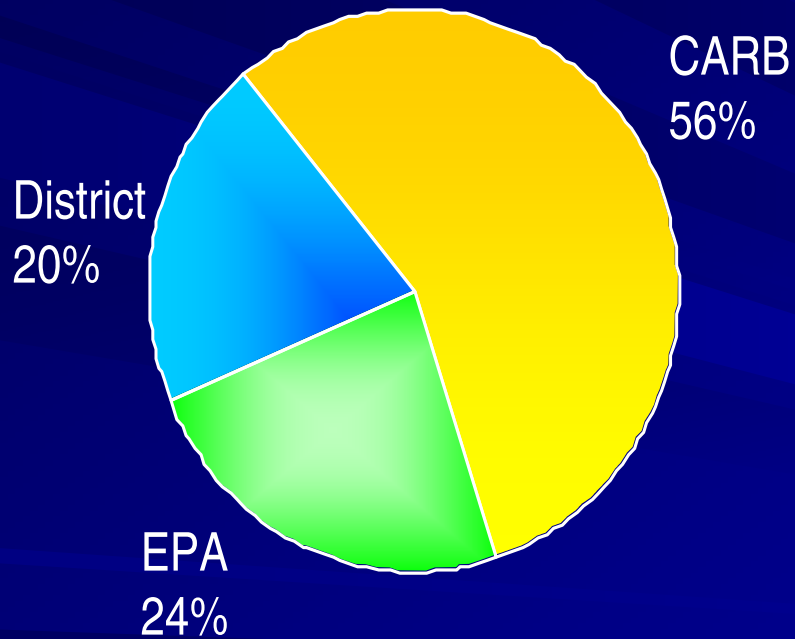


**ACTION NEEDED NOW**

Source: California Air Resources Board

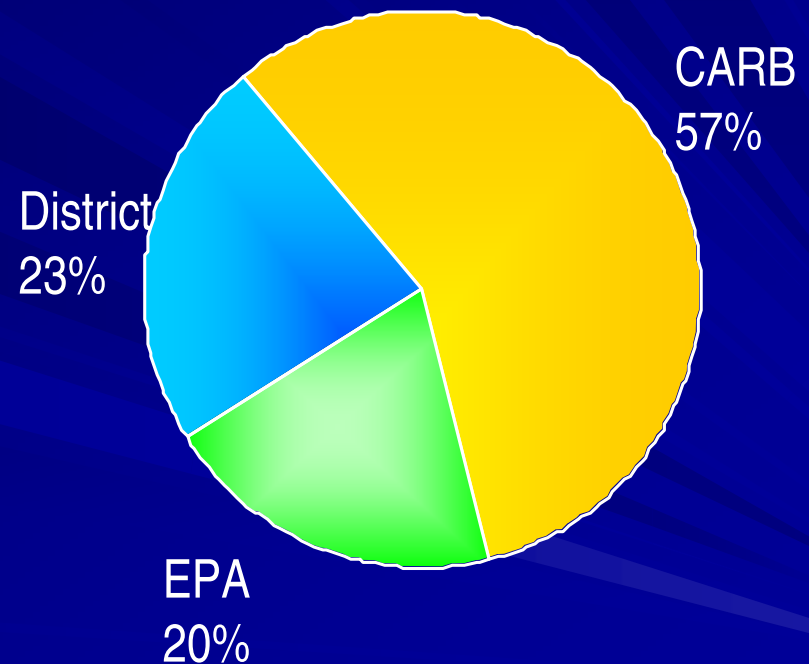
# Primary Emissions Responsibility by Agency

PM2.5, 2014



(NOx, SOx, PM2.5)

8-Hr Ozone, 2023



(VOC, NOx)



## *Two Current Hurdles the Basin Must Achieve*

- PM2.5 (2014)
- Ozone (2020/2023)

# SCAQMD National Air Quality Standard Attainment Dates

**Former  
1-hr  
Ozone  
Standard**



2010

**PM2.5  
Annual  
Standard**



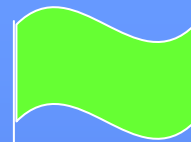
2015

**PM2.5  
24-Hr  
Standard**



2020

**8-Hr  
Ozone  
Standard**



2024



## *Better to “Aim High” Than “Too Low”*

- Bold efforts needed
- Early reductions
- Strong signal to device/engine manufacturers



## *The Goal*

Attainment  
demonstration for  
all grid cells at or  
below the standards

# Core Strategy

- Core Strategy
  - AQMD – Stationary and Mobile Source Measures
  - CARB – Statewide measures
    - Mobile Sources
    - Consumer Products
  - SCAG – Transportation Control Measures
- 74 Tons per day NO<sub>x</sub> Shortfall

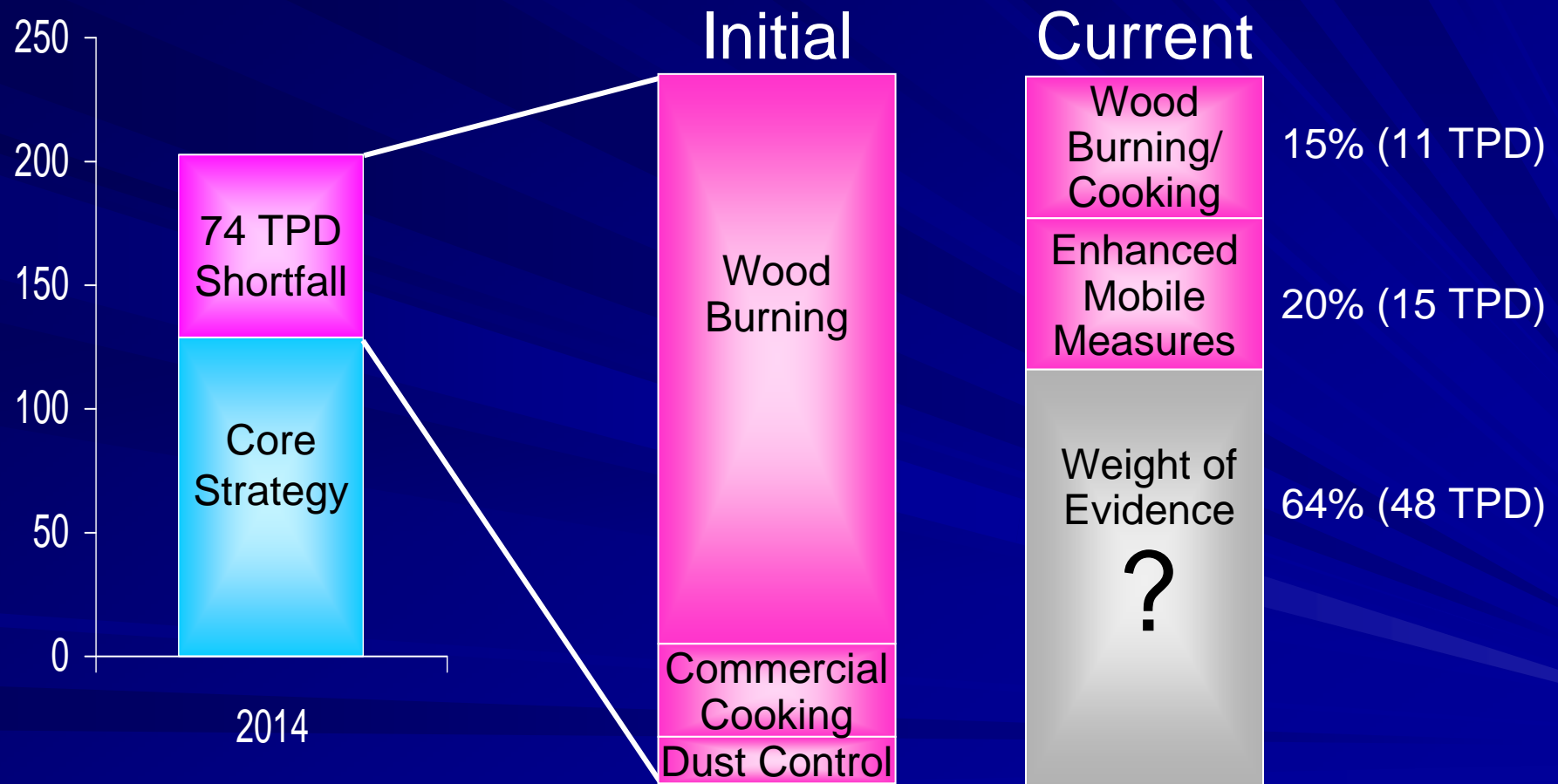
# Closing the Gap

## CARB Staff's Approach

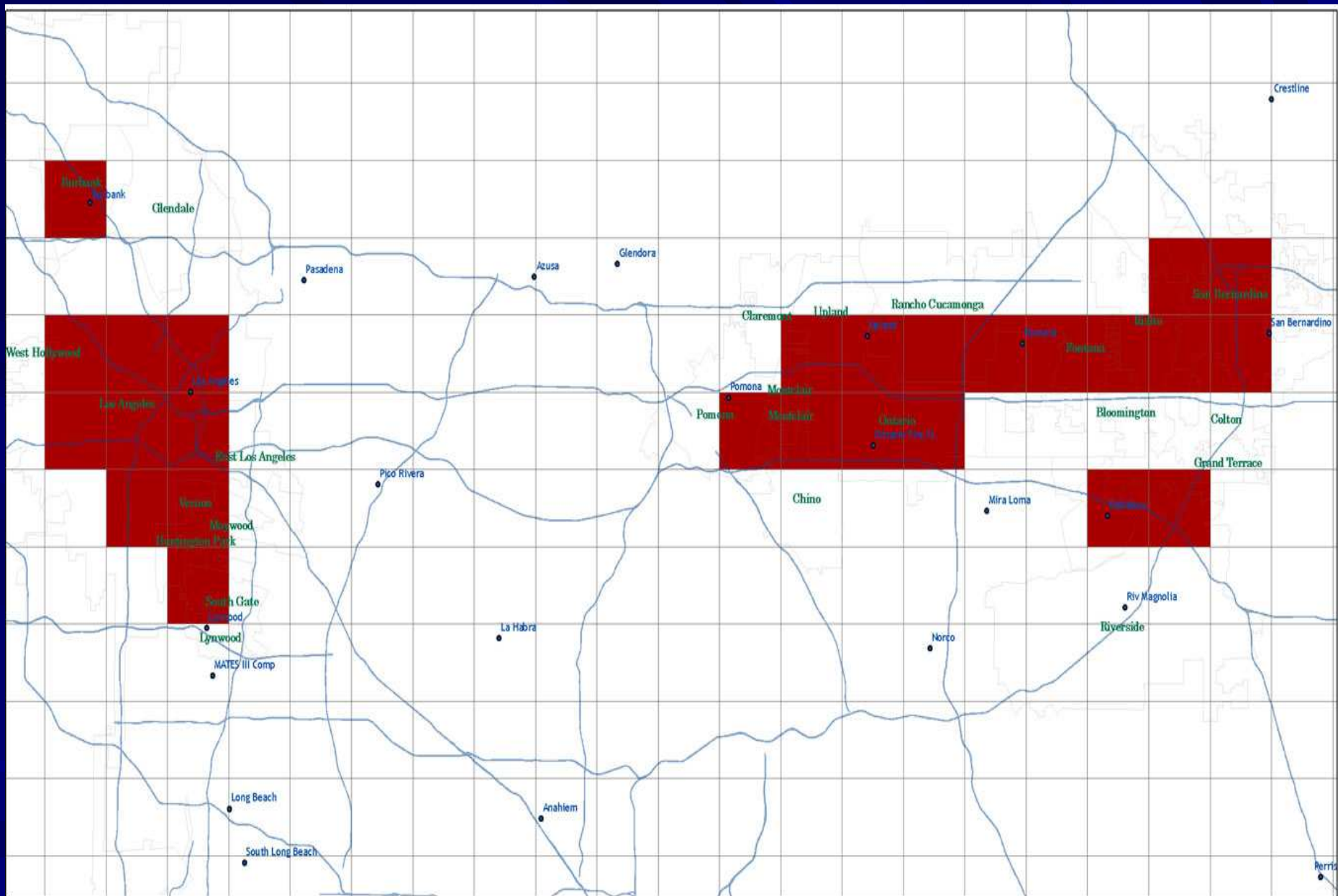
- Dual Path
  - “Legally Approvable” Plan containing minimum commitment to minimize legal vulnerability
  - Legally nonbinding commitment to achieve additional reductions



# CARB Staff's Proposal to Close the Gap



# Implications of CARB's Strategy

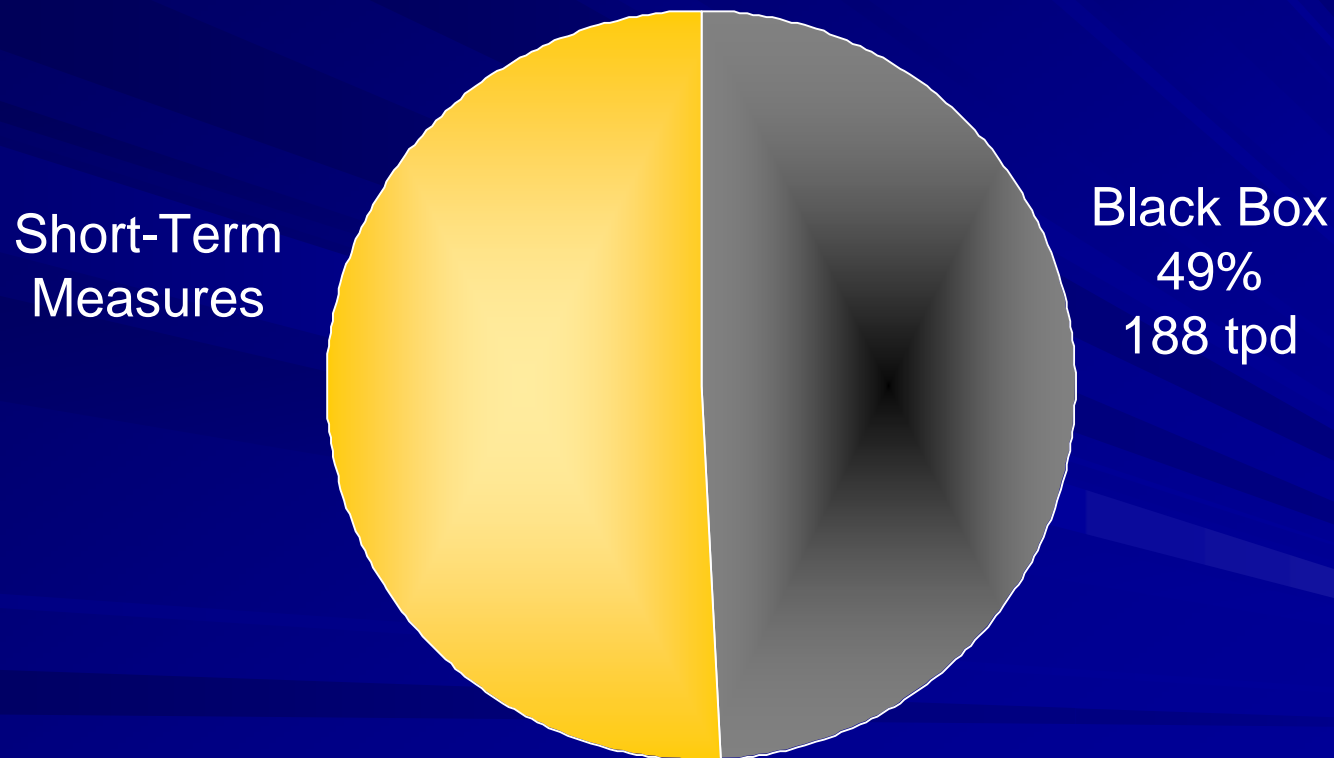


### Legend

— Freeway   
 • Air Monitoring Stations   
 Above Federal Standard   
 Below Federal Standard

# Impact of CARB Staff's Propsoal on 8-hour Ozone Attainment

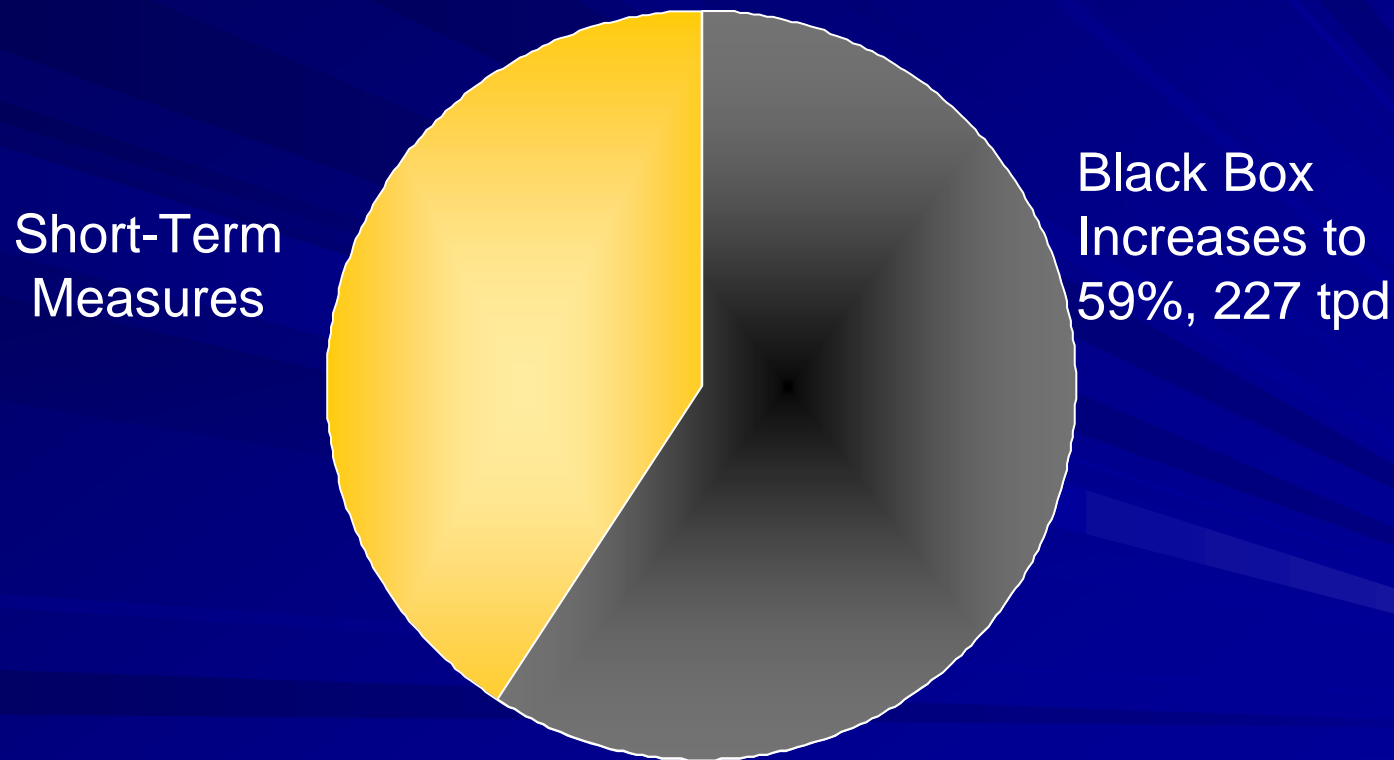
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Total = 383 t/d

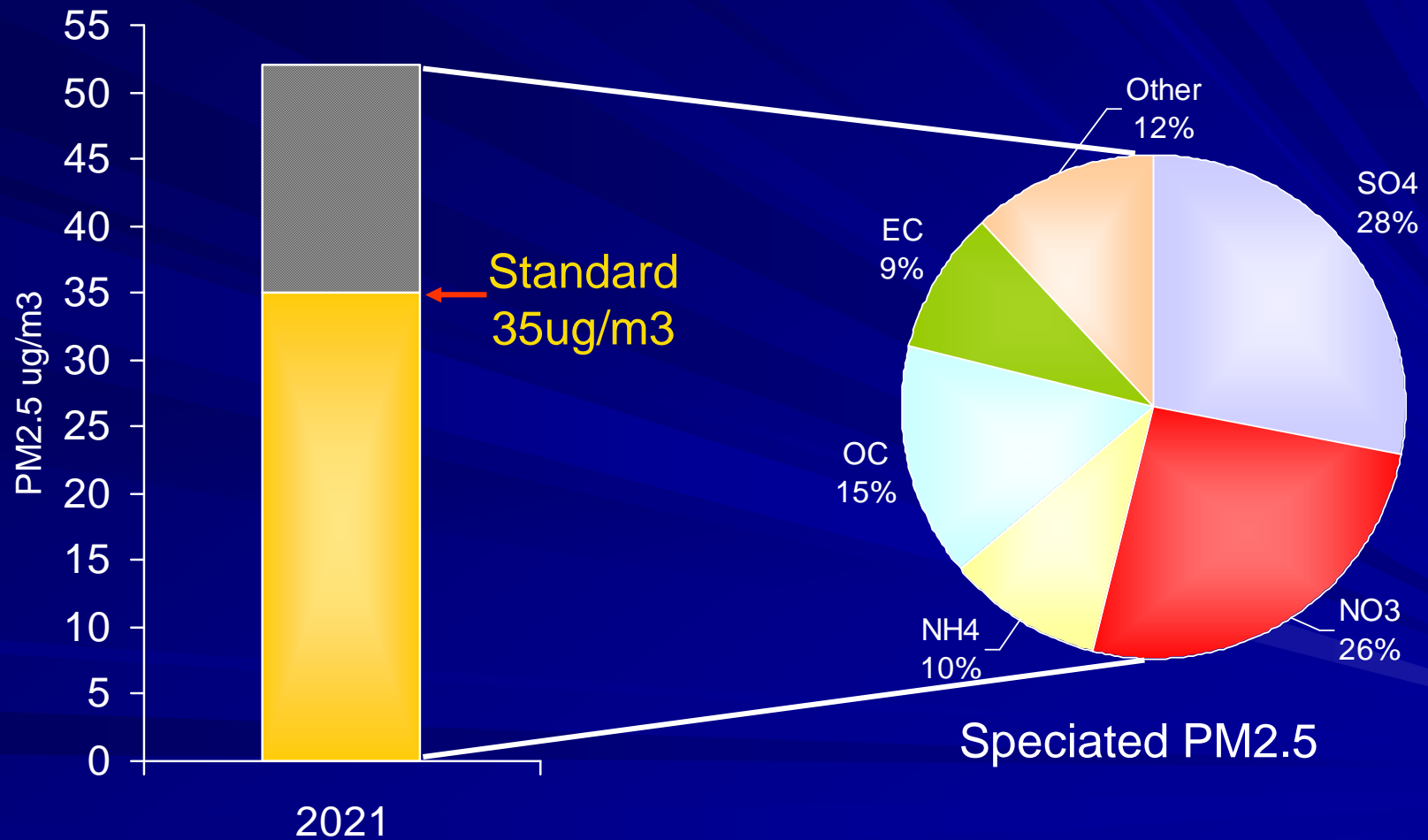
# Impact of CARB Staff's Propsoal on 8-hour Ozone Attainment

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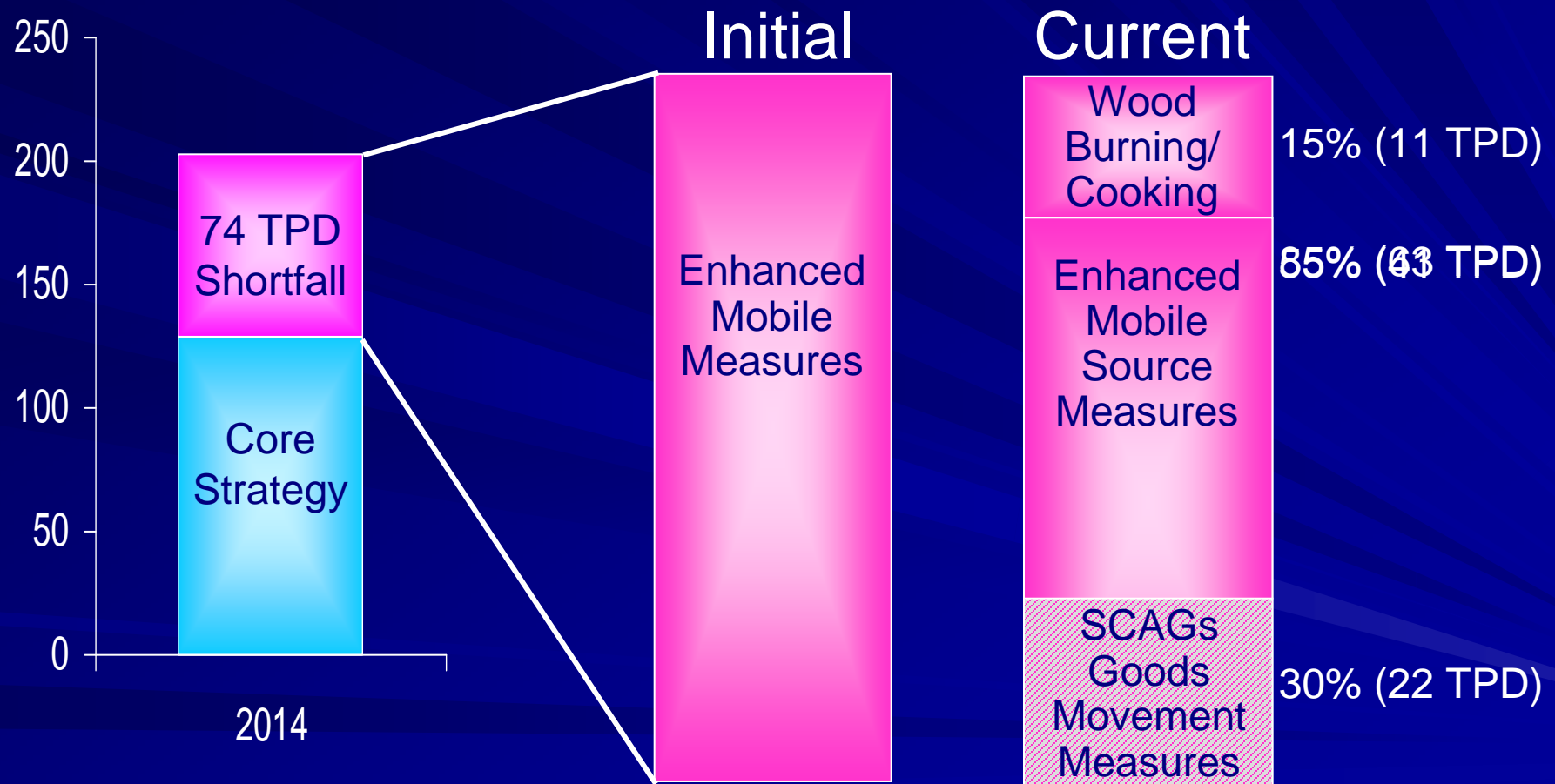


Total = 383 t/d

# Predicted Maximum 24-hour PM 2.5 Concentration (2021)



# AQMD Reductions to Close the Gap



# State SIP Commitment Flexibility

With respect to the state's SIP commitment for the South Coast Air Basin's

Should the future air quality modeling or air quality improvements indicate that not all 163 tons per day are necessary for PM<sub>2.5</sub> attainment...

control measure or a portion thereof at a regularly scheduled public meeting of the CARB with proper public notification, the state's SIP commitment can be adjusted downward, but at a minimum of 132 tons per day of NO<sub>x</sub> reductions in

...the state's SIP commitment can be adjusted downward, but at a minimum of 132 tons per day of NO<sub>x</sub> reductions in 2014.

the corresponding reductions in 2020 and 2023) are necessary and feasible.



# Socioeconomic Analysis Highlights

- Annual benefits greatly exceeds costs

Benefits

\$ 14.6 Billion

Costs

\$ 2.3 Billion

- 67 Percent of the Benefits are Health Related

# Other Stakeholder Comments Issues Addressed

- BCM-03: “Point of Sale” Component
- CMB-03: Emissions Standards/Schedule for Space Heaters
- CMB-04: Natural Gas Specifications
- MCS-01: Facility Modernization-Offsets/Other NSR Requirements

# Other Stakeholder Comments

## Outstanding Issues

- FLX-02: Refinery Pilot Program
- CMB-02: SO<sub>x</sub> Reductions from Refineries/Other RECLAIM Facilities

# Highlights of Adoption Resolution

- SCAG's Goods Movement Measures
- Port Emission Targets
- Carl Moyer SIP Credits

*Investing today...*

