

Goods Movement White Paper

**Working Group Meeting
July 8, 2014**



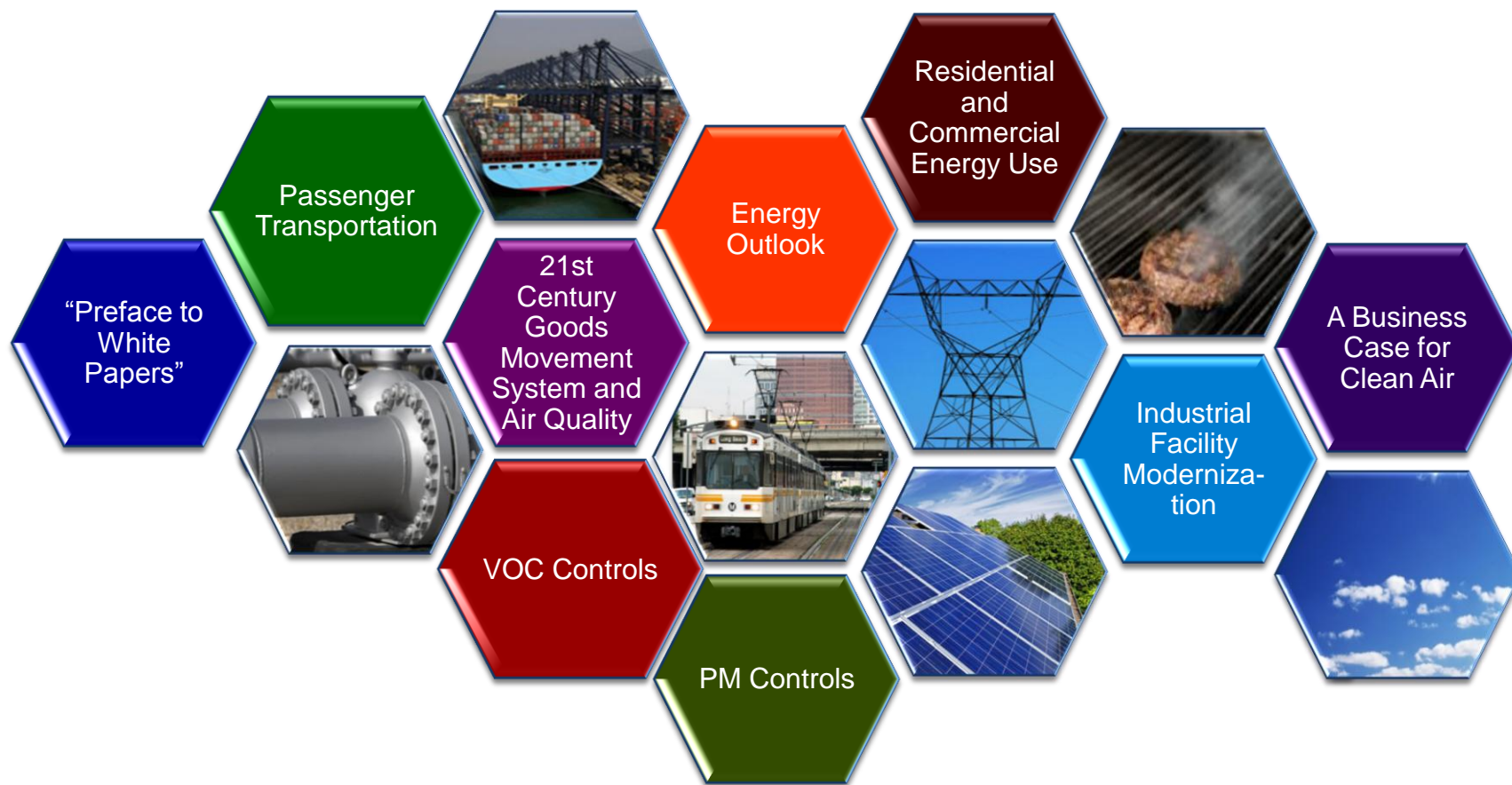
Cleaning The Air That We Breathe...

Background

2016 AQMP and White Papers

- Federal Deadlines
 - Ozone: 2022, 2023, 2032
 - PM2.5: 2020-2025
- White Papers
 - Describe major policy issues and factual background
 - Facilitate input regarding AQMP development

White Papers for 2016 AQMP



Goods Movement White Paper

- Release draft by Spring 2015
- Informed by CARB's Sustainable Freight Strategy (SFS), California Freight Mobility Plan, RTP etc
- South Coast emission reduction scenarios
- Coordinate with CARB, SCAG etc
- Stakeholder input throughout process...

Working Group

- Advise in preparation of White Paper . . . content, analyses, text

We want your input!

American Lung Association
Association of American Railroads
BNSF
California Trucking Association
Coalition for Clean Air
County of SB
East Yard Communities
Environ
Gateway Cities COG
Gatzke Dillon & Ballance LLP
Highland Fairview
IEEP
LADWP
LAWA
MTA
NAIOP SoCal and Inland Empire
Newhall Land
NRDC
Pacific Merchant Shipping Association
Ports (LA, LB)
SANBAG
SCAG
SCLC
SGVEP
Sierra Club
Southern California Edison
SoCal Gas
WSPA

Policy Considerations and Goals

- Attain air quality standards; accommodate growth
- Globally competitive freight system
- Strategies with business case
- Fuel & technology neutrality
- Co-benefits (toxics & EJ, GHG, energy security etc)
- Funding & incentives
- Strive for consensus
- ***Others?***

Draft for Discussion:

Potential Outline of White Paper

1. Purpose
2. Policy Considerations and Goals
3. Setting
4. Overview of Potential Technology and Efficiency Strategies
5. Potential Emission Reduction Scenarios
6. Recommendations and Actions

Potential Outline, cont'd

Setting

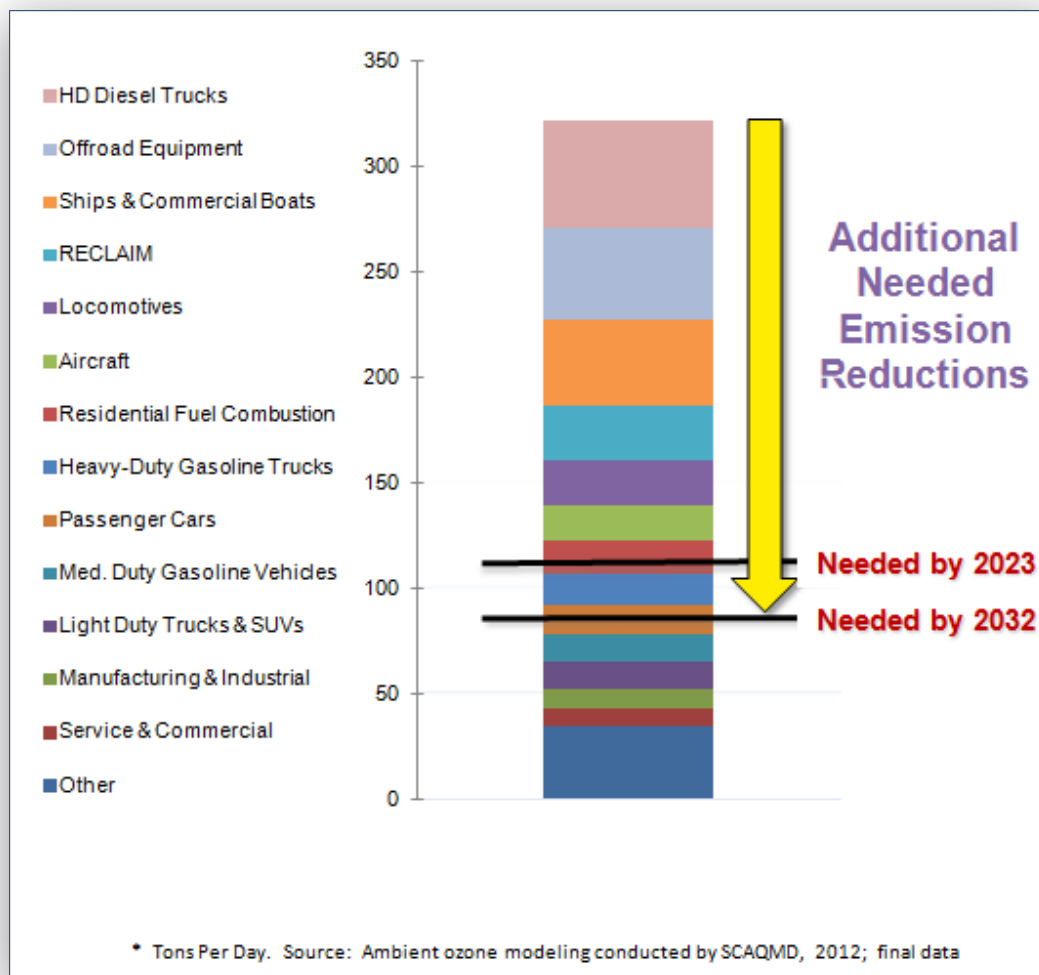
- Goods movement sources and emissions
- Emission reduction progress to date
- Needed regional emission reductions; implications for goods movement

- On-road Trucks
- Oceangoing Vessels
- Locomotives
- Harbor Craft
- Cargo Handling Eqt
- Aircraft



Setting, cont'd

2023 Nitrogen Oxides Emissions with Adopted Standards



Potential Outline, cont'd

Overview of Potential Efficiency and Technology Strategies

- Efficiency measures
- Engine modifications
- Aftertreatment
- Alternative fuels and power

Potential Outline, cont'd

Potential Emission Reduction Scenarios

- Approaches
- Scenarios, including attainment
- Preliminary comparison

Potential Outline, cont'd

Recommendations and Actions

- Funding
- Technology RD&D
- Incentives and performance standards
- Infrastructure
- Federal assistance
- *Other . . .*

Next Steps for Working Group

- Draft outline and table of contents
- Topics for future meetings
- Future meeting dates

Thank You for Participating