

# **West Coast Collaborative *Policy Panel Discussion***

San Francisco, September 4, 2014



**Cynthia Marvin**  
**Chief, Transportation & Toxics Division**  
***California Air Resources Board***

# 10 Years!



Happy Birthday WCC Partners!

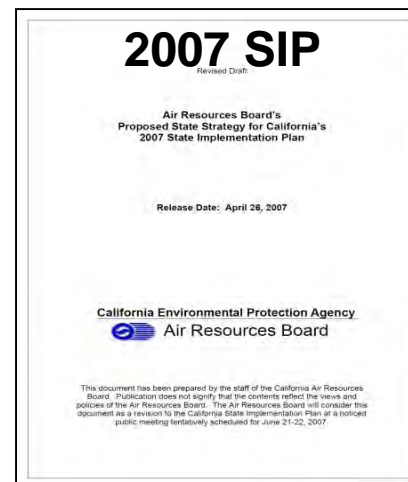
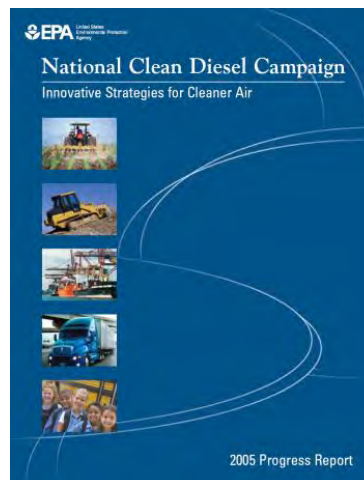


# The Beginning



## *Cleaner diesel*

➊ Ambient air quality standards



➋ Localized health risk from air toxics

## 2000 Diesel Risk Reduction Plan

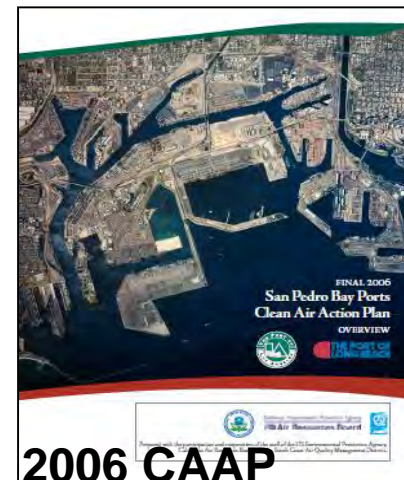
Risk Reduction Plan to Reduce Particulate Matter Emissions from Diesel-Fueled Engines and Vehicles



California Environmental Protection Agency  
Air Resources Board

Stationary Source Division  
Mobile Source Control Division

October 2000



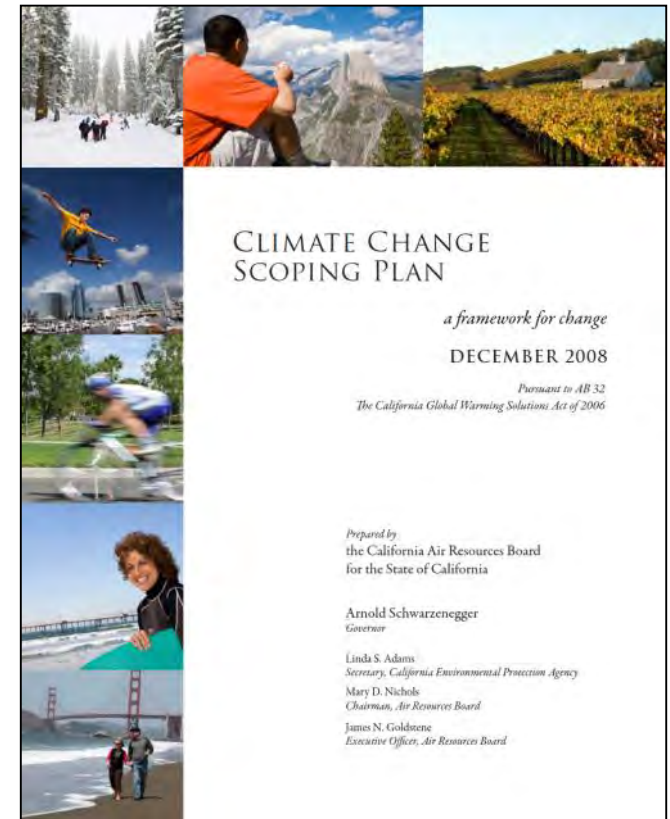
2006 CAAP

# Then

climate  
CHANGE

## California Global Warming Solutions Act of 2006 (AB 32)

- Greenhouse gases
- Short-lived climate pollutants, like black carbon
- Disadvantaged communities

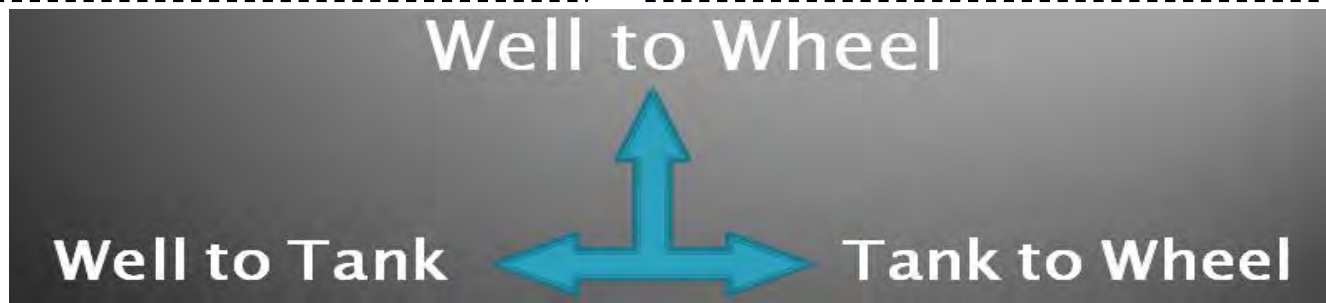
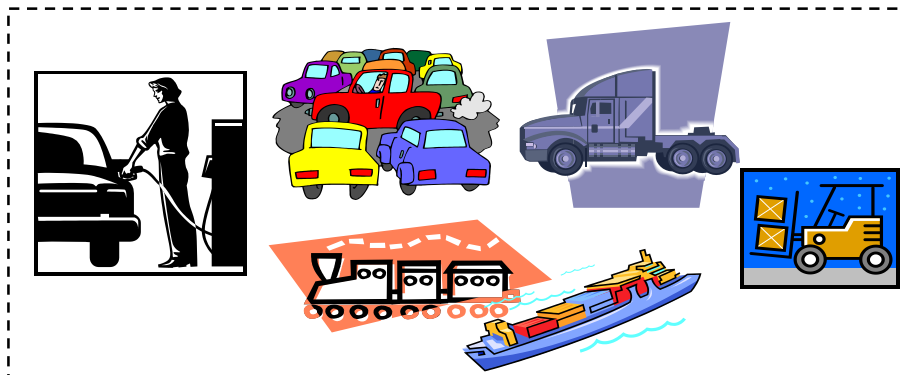
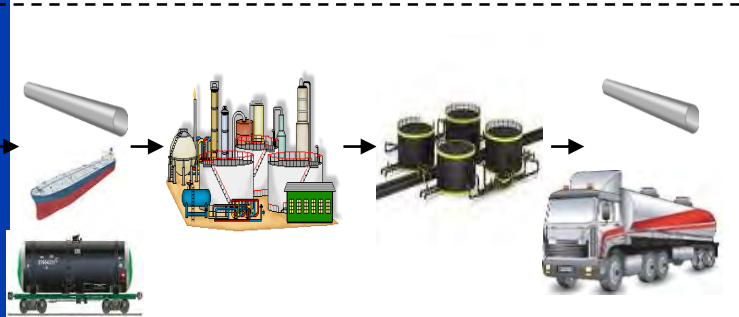




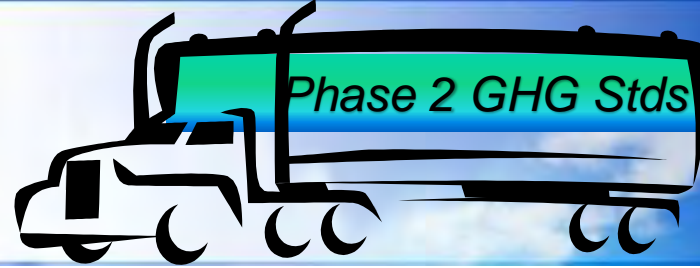
# Performance



Well-to-wheel (hull) evaluations to compare emissions of technology and fuel combinations



# Ahead



- Increase efficiency at equipment, company, sector, and system levels
- Move away from combustion where possible
- For the rest, secure the cleanest engines & renewable fuels



# Accelerate



Cap and Trade Auction Proceeds  
Investments to Benefit Disadvantaged Communities

- ❖ **Technology development** (engines, equipment, intelligent transportation)
- ❖ **Pilot / demonstration projects**
- ❖ **Early introduction & compliance**

