



# Technology Advancement Office Advisory Group Meeting

## Overview and Goals for the day



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**Assistant Deputy Executive Officer**

**Science and Technology Advancement**

# Technology Advancement Advisory Group

- Two meetings a year
  - Winter (Jan-Feb): Annual Report
  - Summer (Jul-Aug): Plan Update
- Input on progress, projects and proposed direction
  - Annual Report
  - Plan Update



# Process

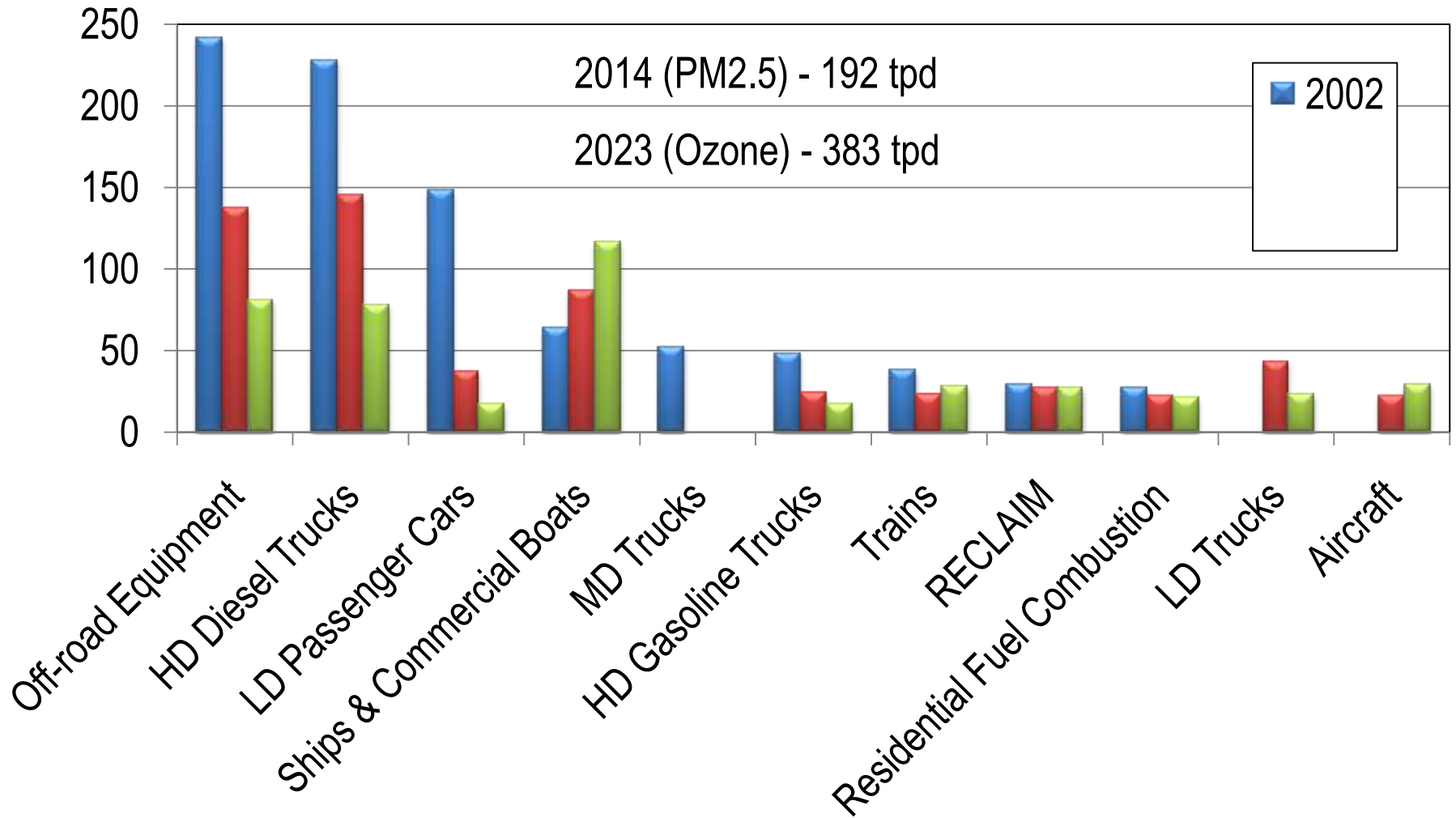
- Draft Plan Update – Board approved in October 2009 (“looking ahead”)
- Annual Report – Board to consider in March 2010 (“looking back”)
- Submit to both documents to State Legislature by March 31



# Structure for Today

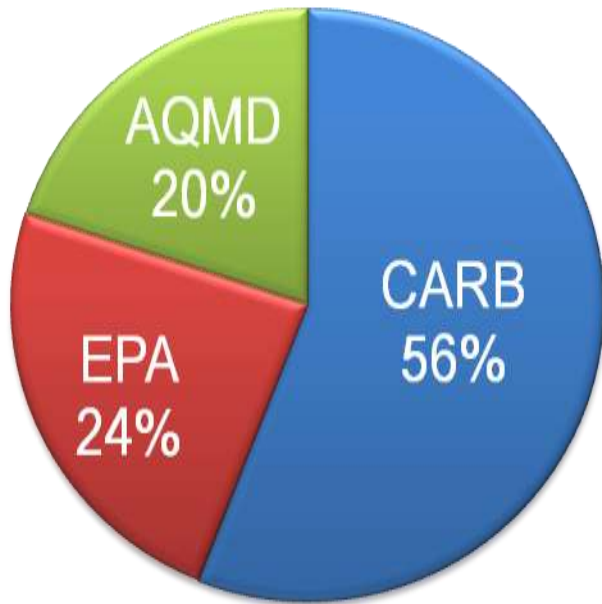
- Overview for context
- Broad snapshot of AQMD TAO activities
- Specific discussion on technology sectors
- Solicit input on direction of program

# NOx by Category



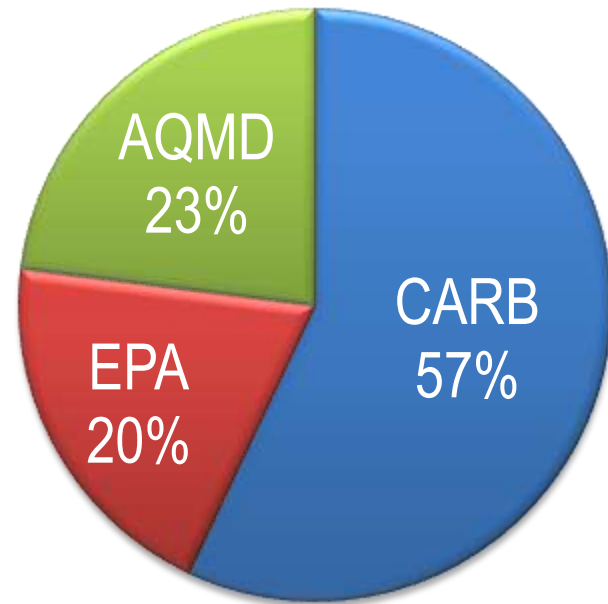
# Fair Share

**PM2.5 (2014)**



(NO<sub>x</sub>, SO<sub>x</sub>, PM<sub>2.5</sub>)

**Ozone (2023)**



(NO<sub>x</sub>, VOC)

# Emphasis

- 2014
  - PM2.5: direct and NOx (precursor)
  - Off-road and heavy-duty diesel trucks
- 2023
  - Ozone: NOx and VOCs
  - Ships and commercial boats & HD diesel
- Accelerate fleet turnover
- Low and zero emission technologies

# Agenda

## Welcome and Overview

- Welcome Barry Wallerstein, Exec. Officer
- Overview Matt Miyasato, Asst. DEO
- Incentives Connie Day, Program Supervisor
- Mobile Source Update Henry Hogo, Asst. DEO
- Health Effects Jean Ospital, Health Effects Officer
- Monitoring Philip Fine, Atm. Meas. Manager
- Introduction to sessions Matt Miyasato



# Clean Fuels Program

- Initiated in 1988
- ~ \$12M/year
- RD<sup>3</sup> program to accelerate deployment of clean technologies
- 5 year funding authorizations
- SB 1646 (Padilla)
  - Reinstated administrative cap to 5%
  - Removed sunset date

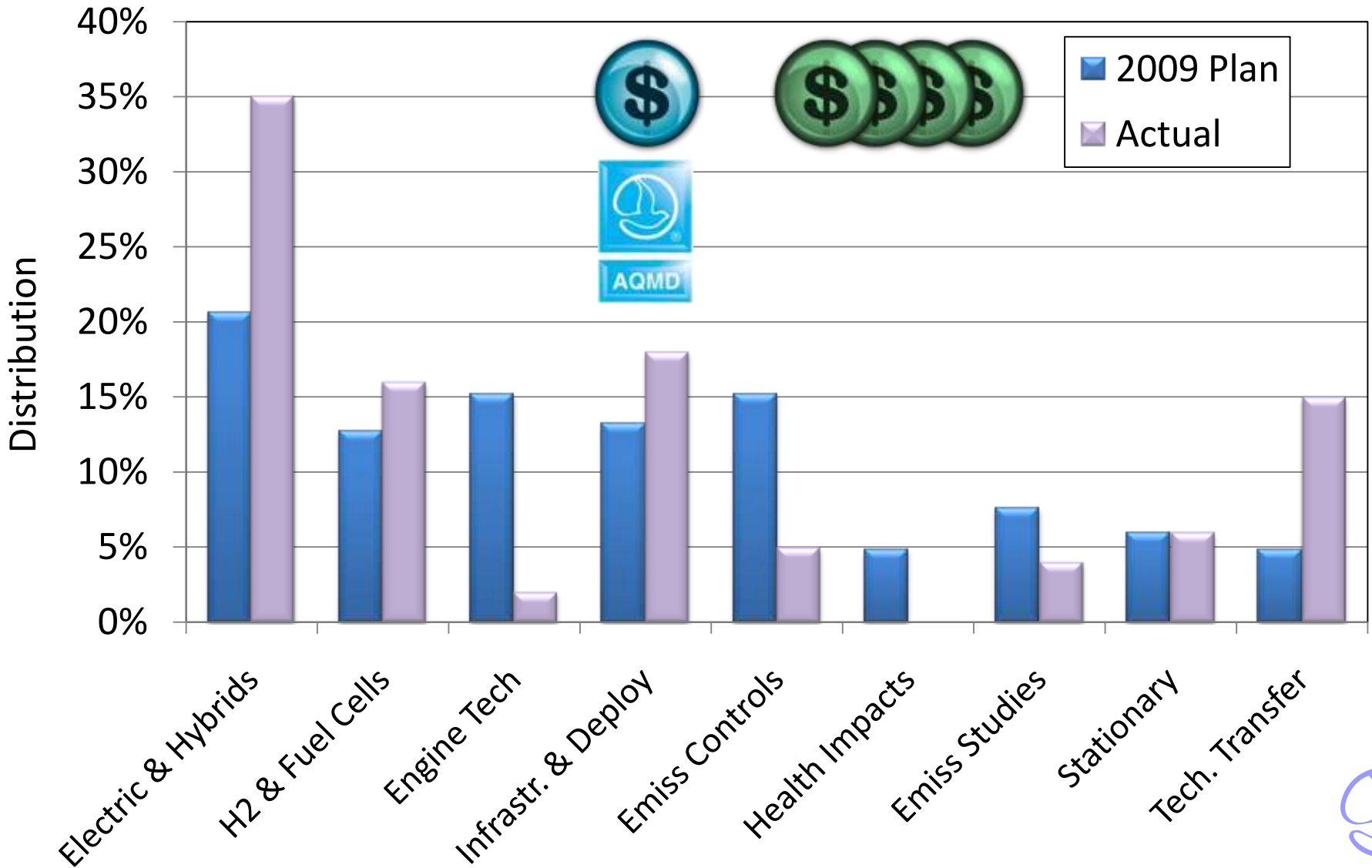


# Major Activities

- American Recover and Reinvestment Act solicitations
- Spring – Fall Activities
- Over 20 submissions to DOE, Clean Cities, DERA and CEC



# 2009 Contracts Executed

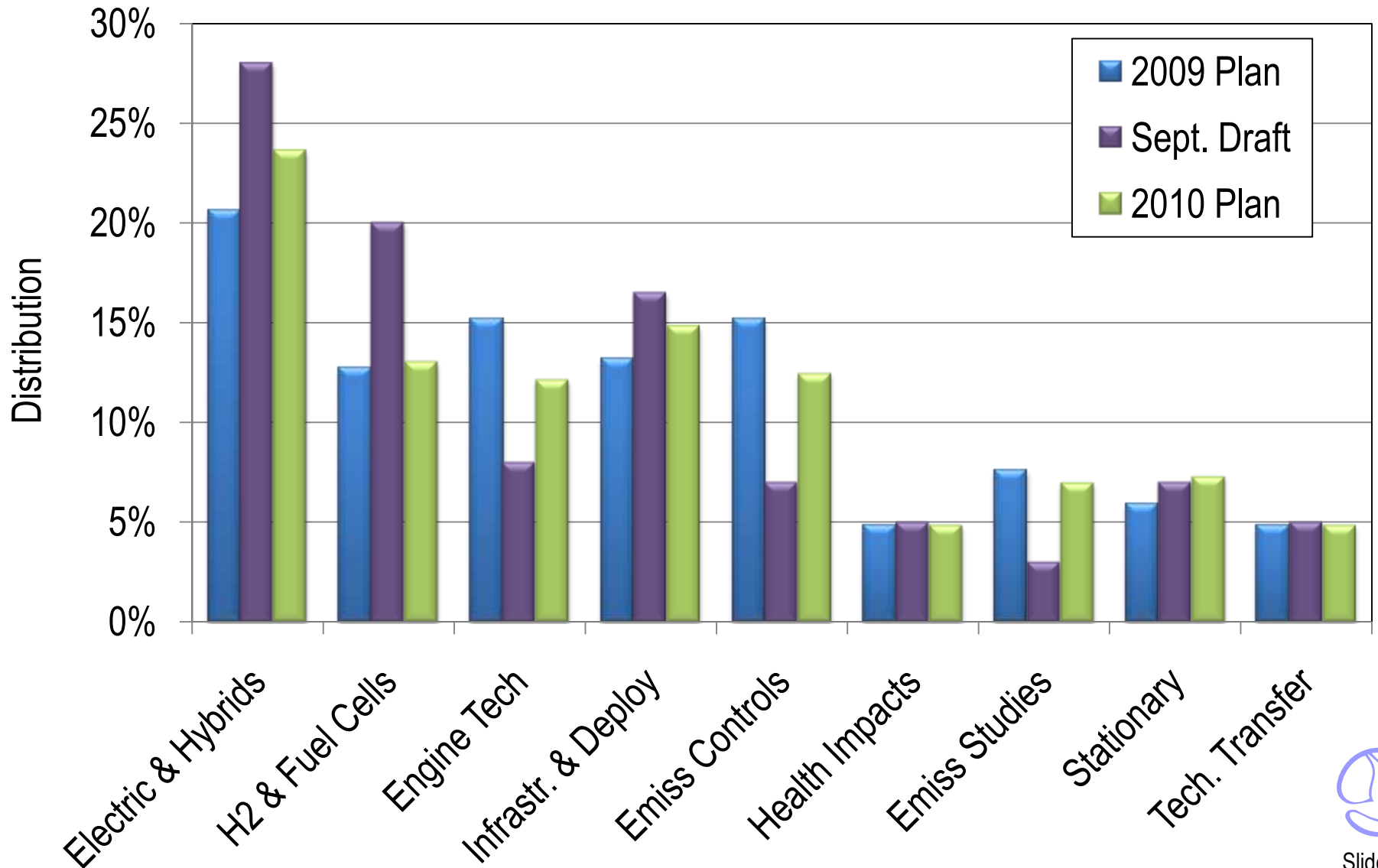


# Input to Draft Plan Update

- September 2009 meeting
  - Advisor comments
  - Decrease hydrogen and increase emissions studies
- Draft Plan adopted by Board in Oct 2009
- Discussion of 2009 activities and progress



# 2010 Plan Update



# Agenda

## Session 1: Light- and Medium-Duty

- Introduction Dean Saito, On-Road Manager
- Light-Duty Lisa Mirisola, Program Supervisor
- Medium-Duty Jeff Cox, Air Quality Specialist
- In-Use Emissions Lori Berard, Air Quality Specialist
- Feedback & Discussion All

