



Community Emission Inventory Update CARB Mobile and Area Source Emissions

**South Central Fresno
AB 617 Community Steering Committee Meeting
May 8, 2019**

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Air Quality Planning and Science Division
California Air Resources Board**

Air District & CARB Staff Collaboration



Stationary Sources:
Power Plants, Refineries, Industry

District



Area Sources:
Residential Wood Combustion, Consumer
Products, Pesticides

CARB/District



On-road Mobile Sources:
Cars, Trucks

CARB



Off-road Mobile Sources:
Forklifts, Tractors, Transport Refrigeration
Units

CARB

April - May, 2019

DRAFT Community Emissions Summary

Source Category	PM 2.5	NOx	ROG	NH3
STATIONARY	66.2	526.5	147.8	6.5
AREA	159.9	294.6	2,087.5	199.3
OFF-ROAD MOBILE	19.2	462.3	170.2	0.4
ON-ROAD MOBILE	WORK IN PROGRESS			
TOTAL (tons/yr)	245.3	1,283.5	2,405.5	206.2

PM2.5: Particulate Matter 2.5 Microns or Smaller

NOx: Nitrogen Oxides

ROG: Reactive Organic Gases

NH3: Ammonia

Inventory Development – What are we doing?

<https://ww2.arb.ca.gov/resources/documents/emissions-inventory-enhancements>

DRAFT Area Source Emissions



Sources that can be moved to actual emission location:

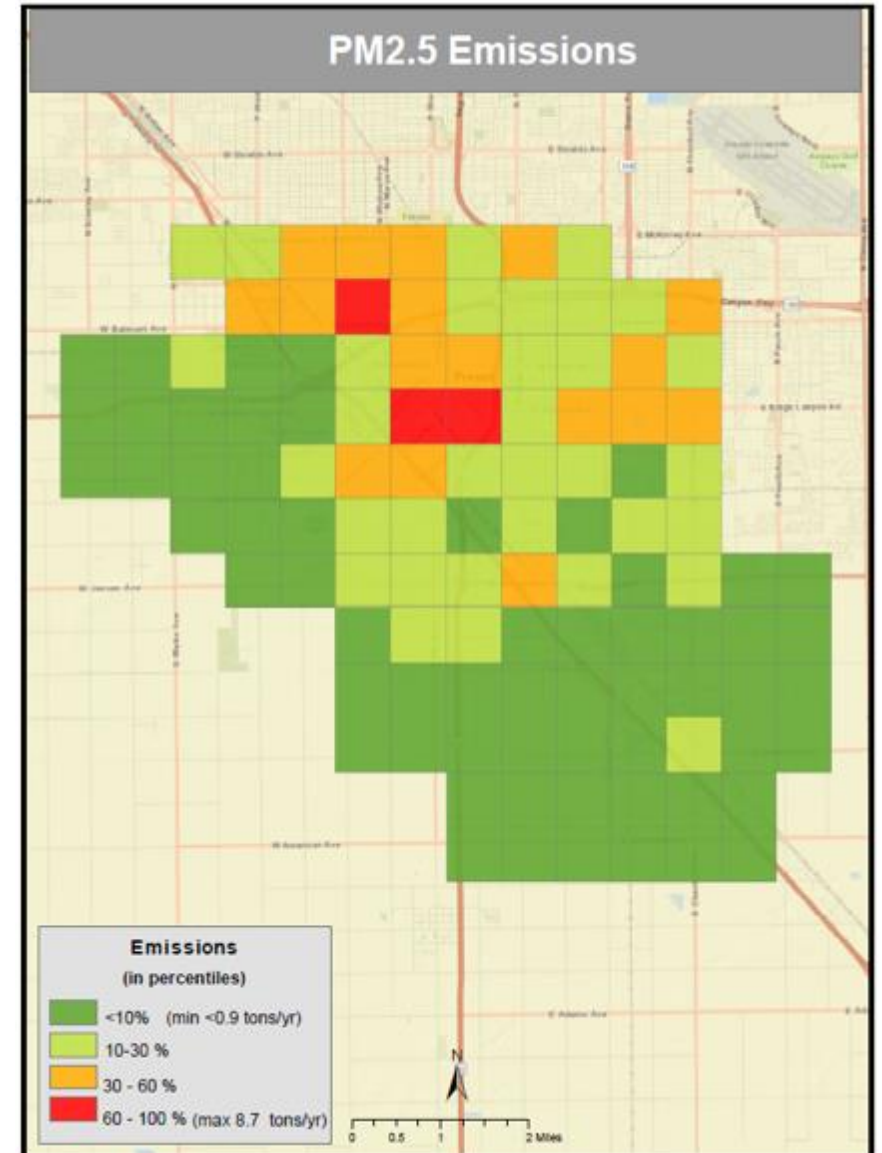
Small emission sources spread over an area, but with specific locations (e.g., gas stations, dry cleaner, auto body shops, print shops)



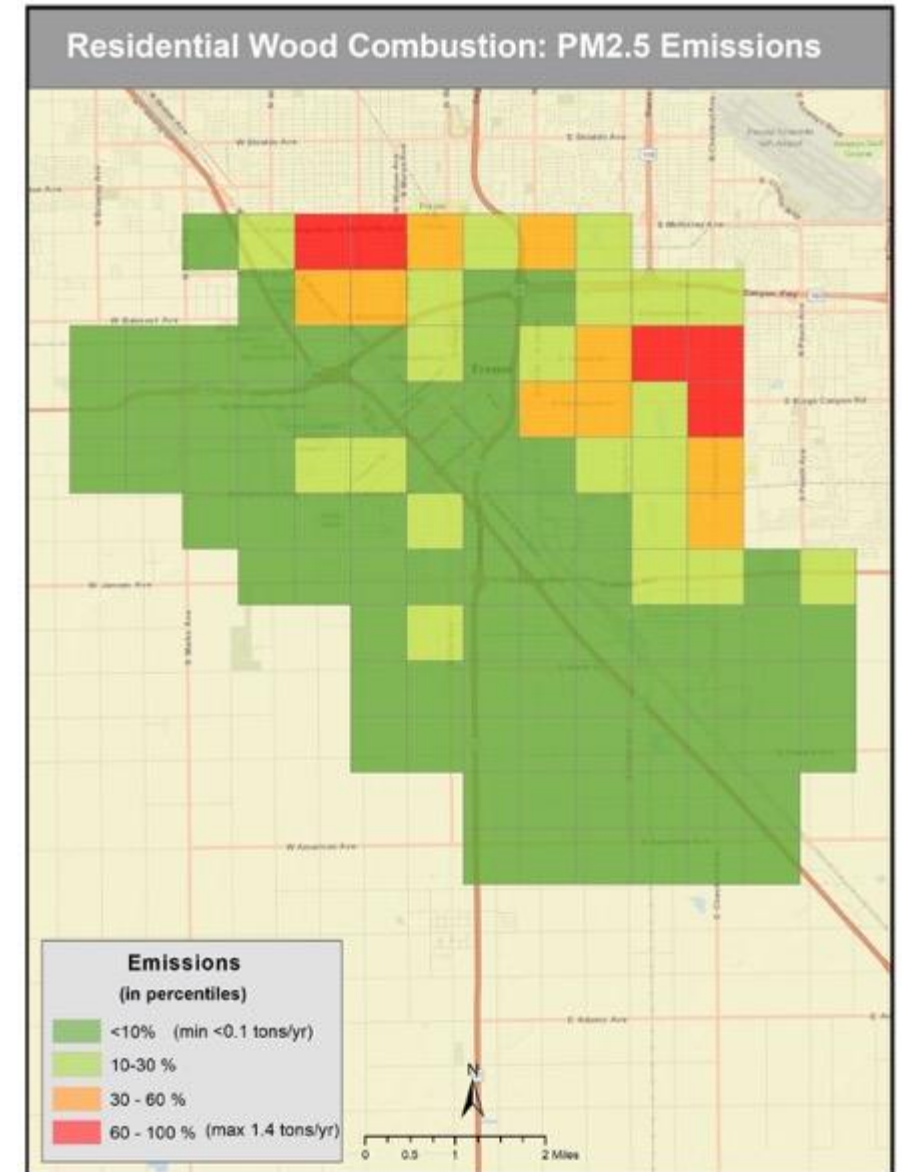
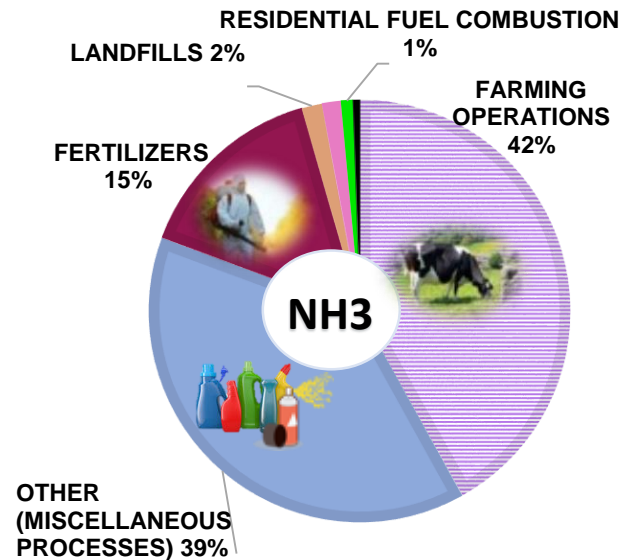
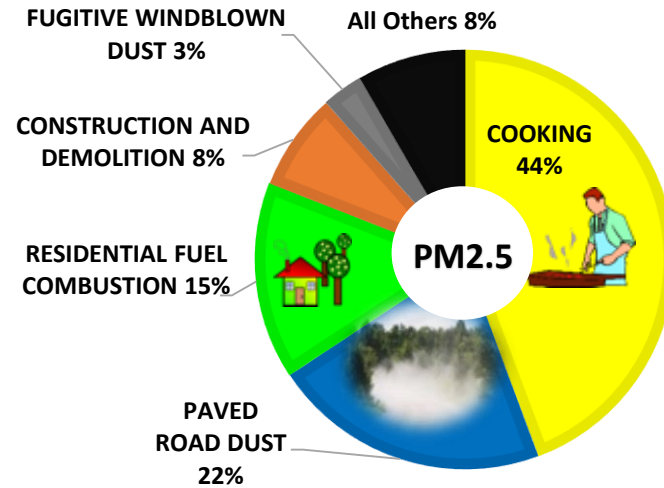
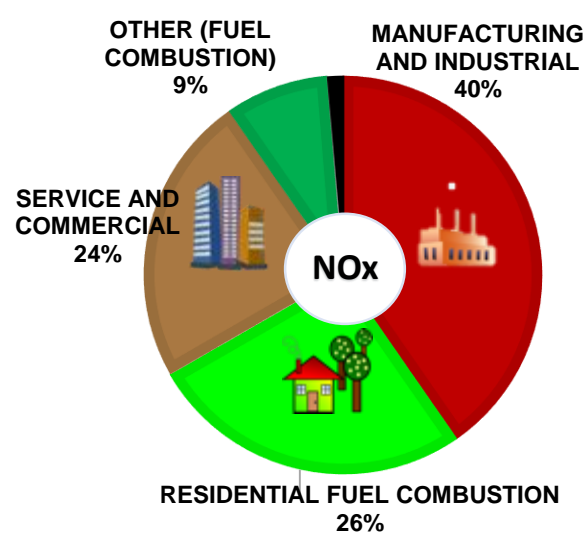
Sources that operate and emit over large areas:

Emission sources that lack specific location detail (e.g., consumer products, road dust, architectural coating)

Move sources to their actual emission location, when possible



DRAFT Area Source Emissions (Contd.)



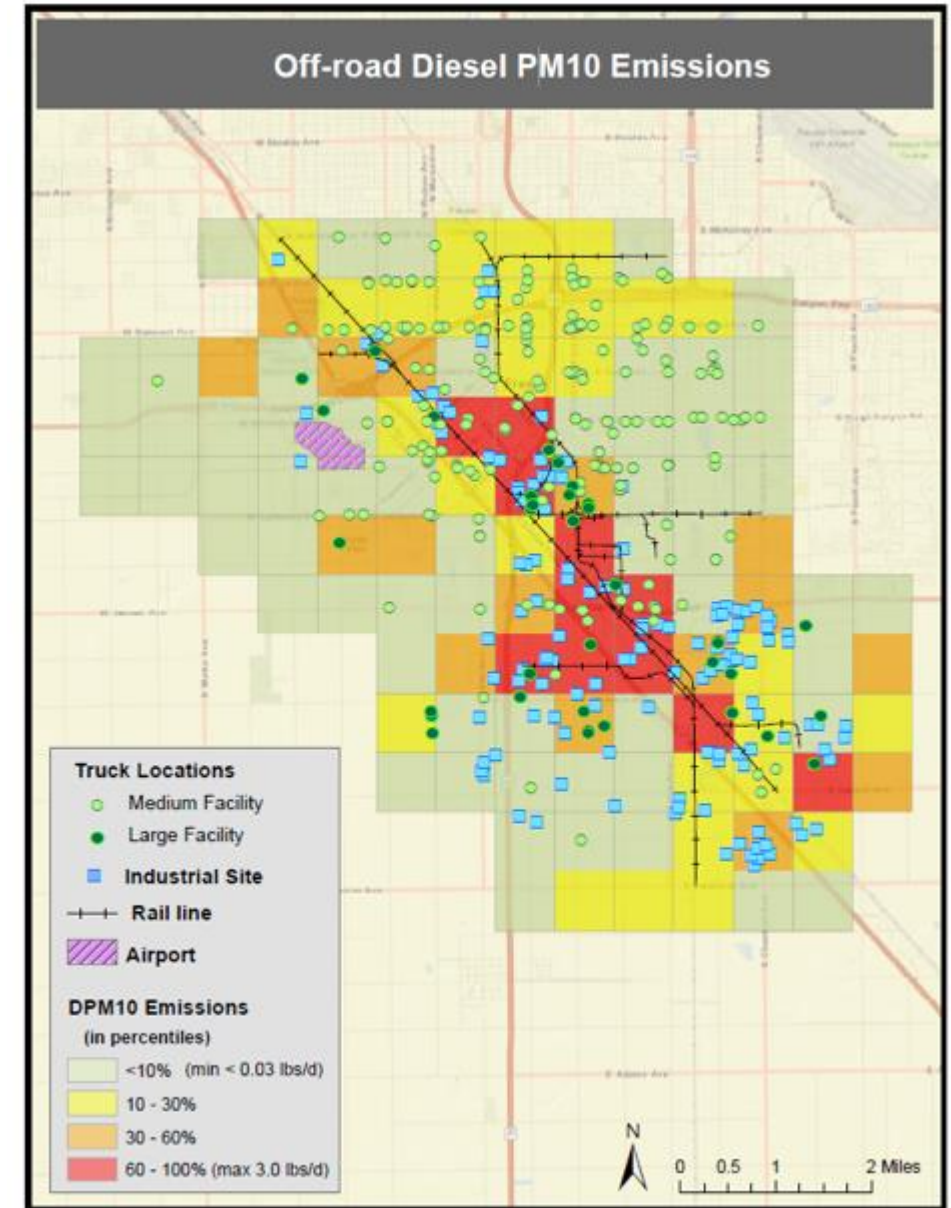
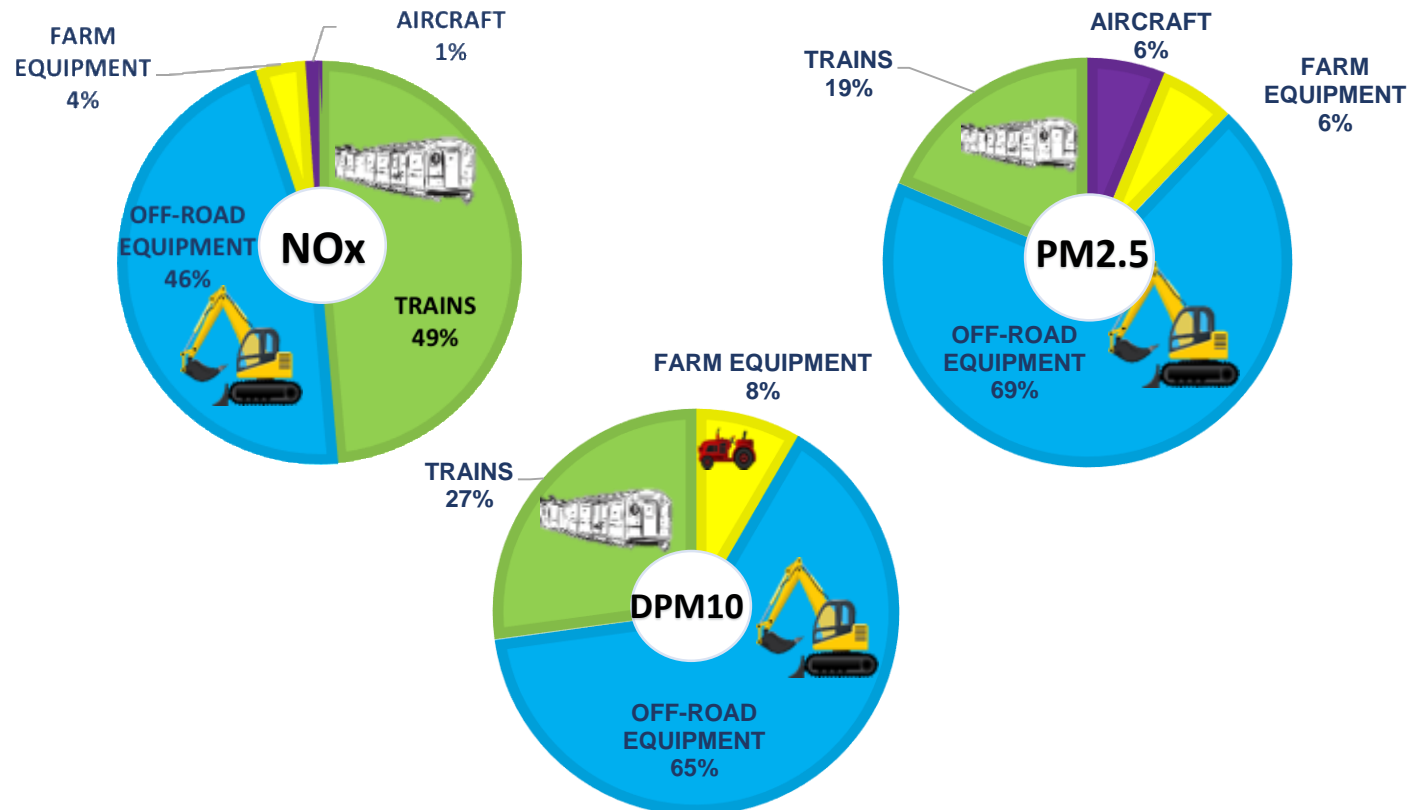
DRAFT Off-Road Mobile Source Emissions

Facility Sources:

(e.g., forklifts, cargo handling equipment, locomotives)

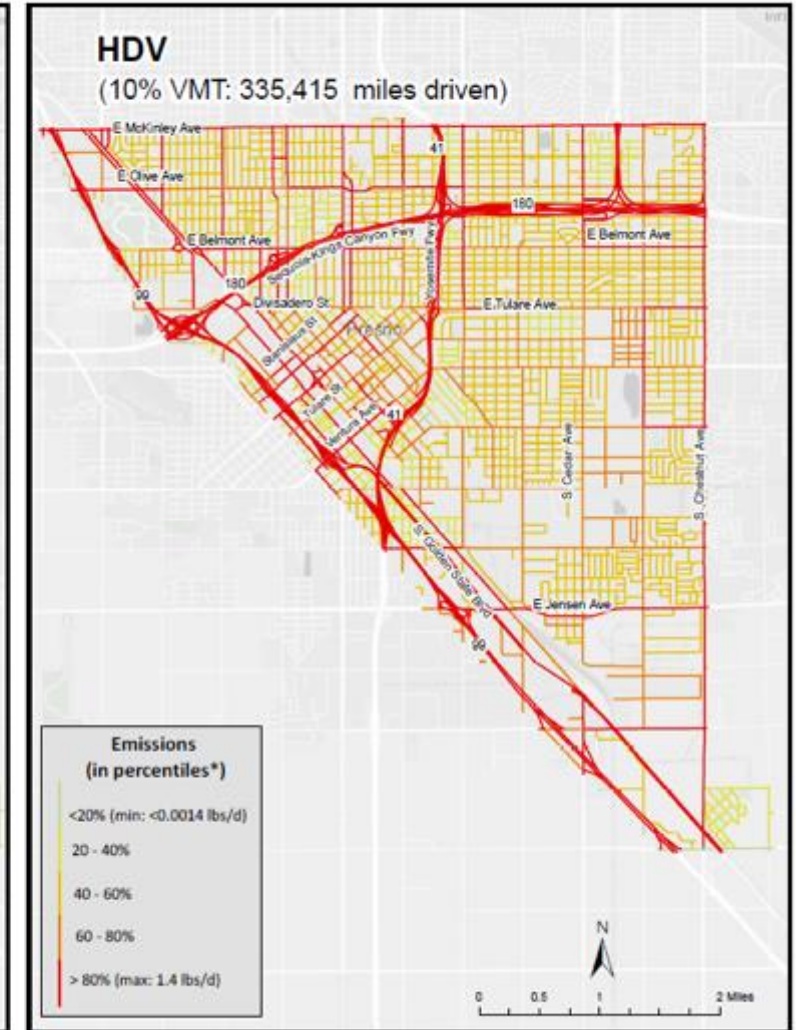
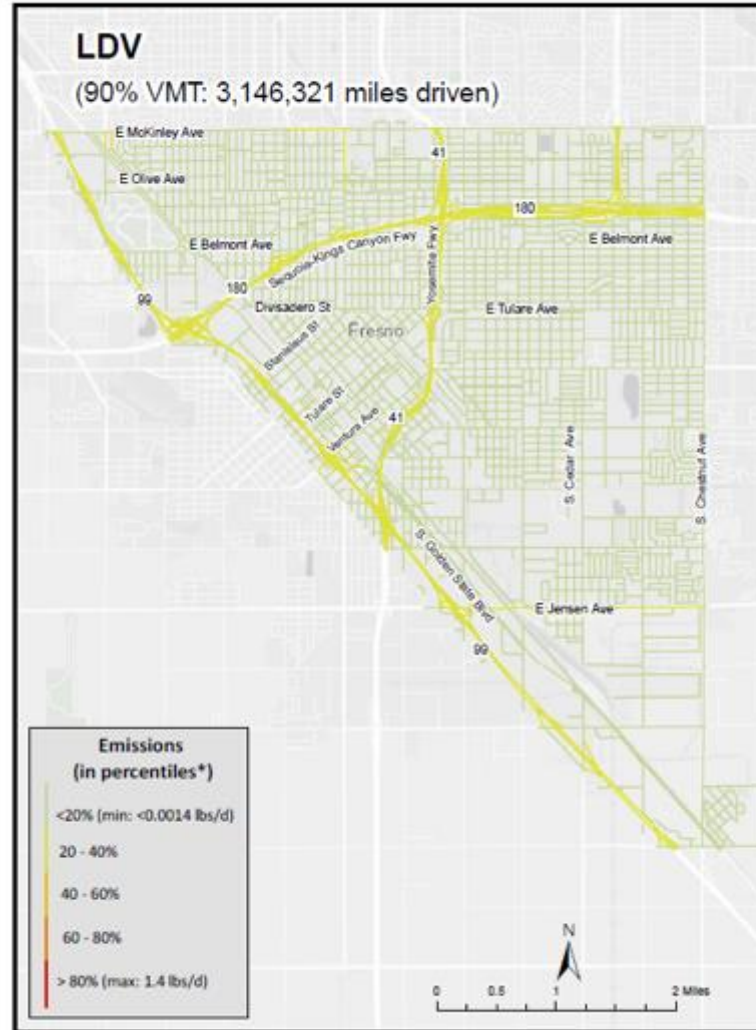
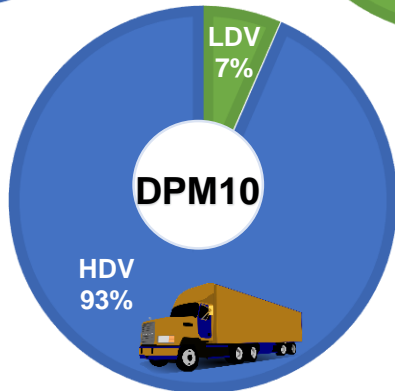
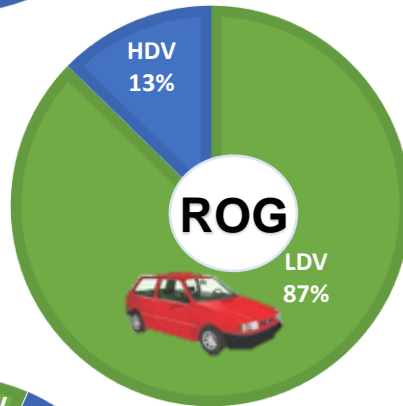
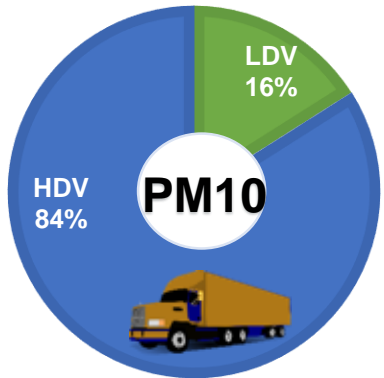
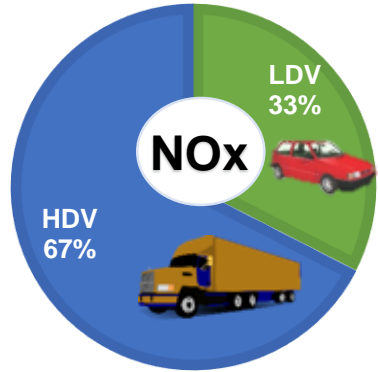
Non-facility Sources:

(e.g., construction/ ag equipment, portable engines)



DRAFT On-Road Mobile Source Emissions (Work in Progress)

Diesel PM10 Emissions



LDV: Light-duty Vehicles

HDV: Heavy-duty Vehicles



Highlights on Statewide Strategies to Control Emissions

South Central Fresno
Community Steering Committee Meeting
May 8, 2019

Air Quality Agencies

Federal



U.S. EPA

Sets/enforces national air quality standards. Regulates interstate transportation.



Trains



Ships



Planes

State



CARB

Regulates mobile sources of air pollution, greenhouse gases, and consumer products.



Cars



Trucks



Buses

Local

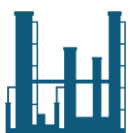


Local Air Districts

Regulate stationary and local sources of air pollution.



Factories

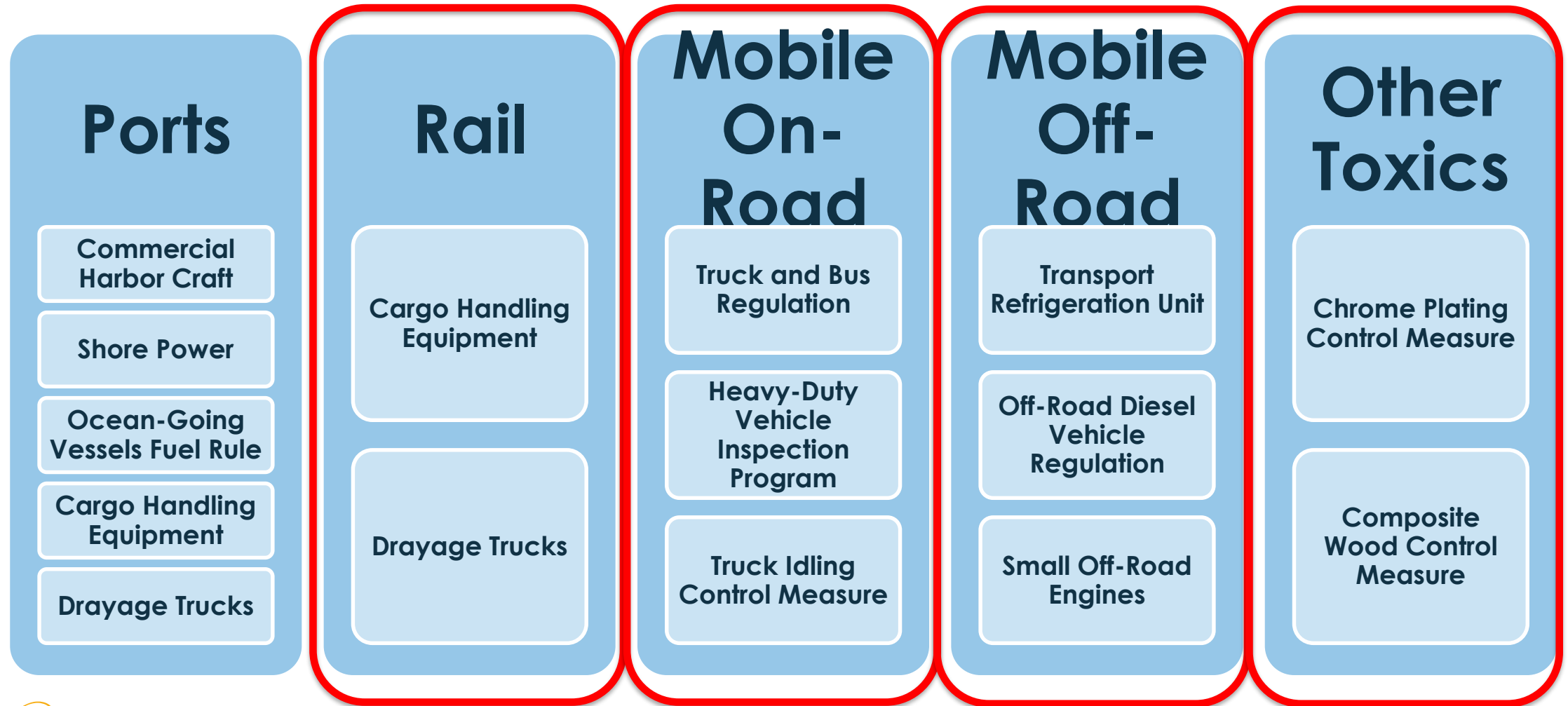


Refineries

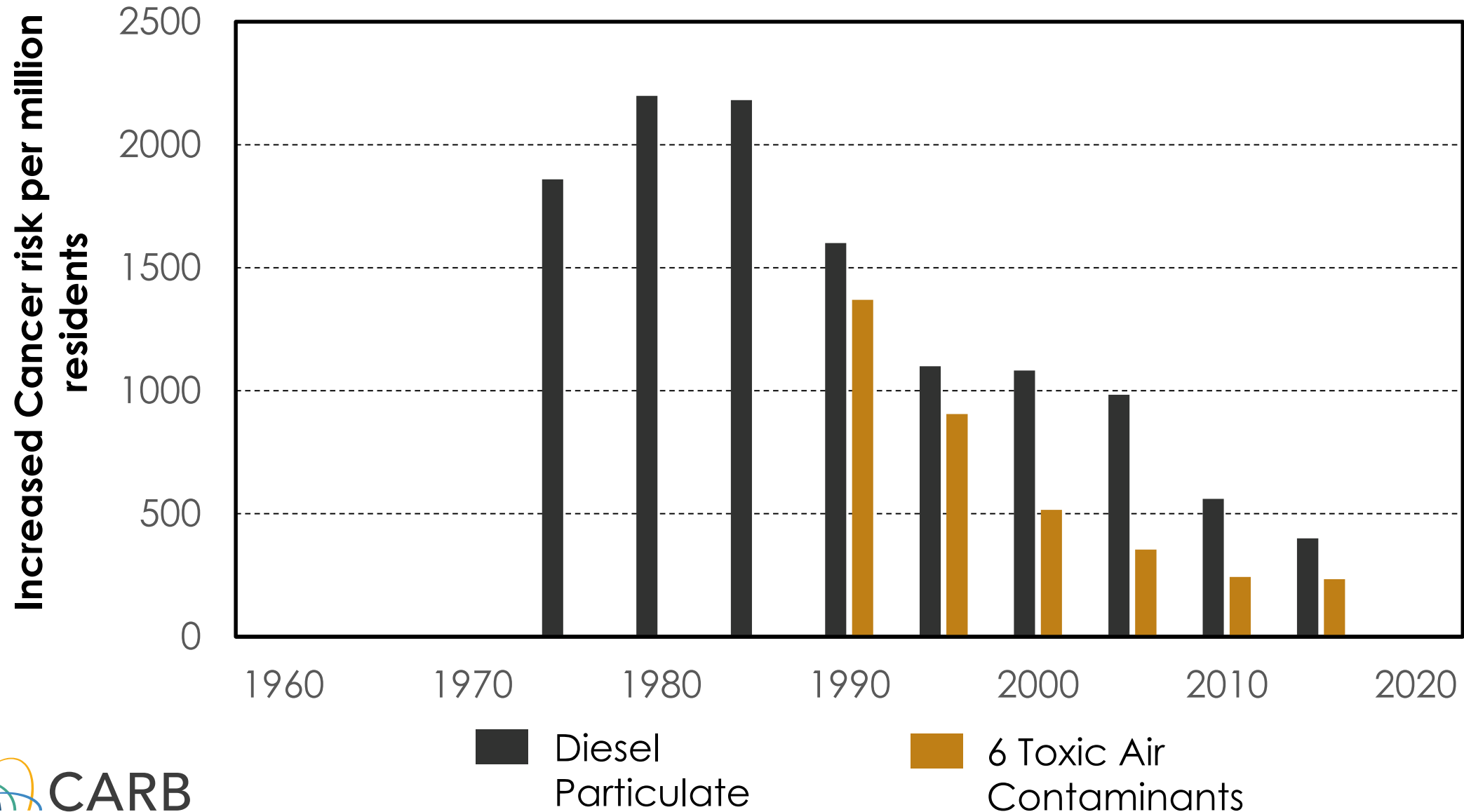


Residential woodstove

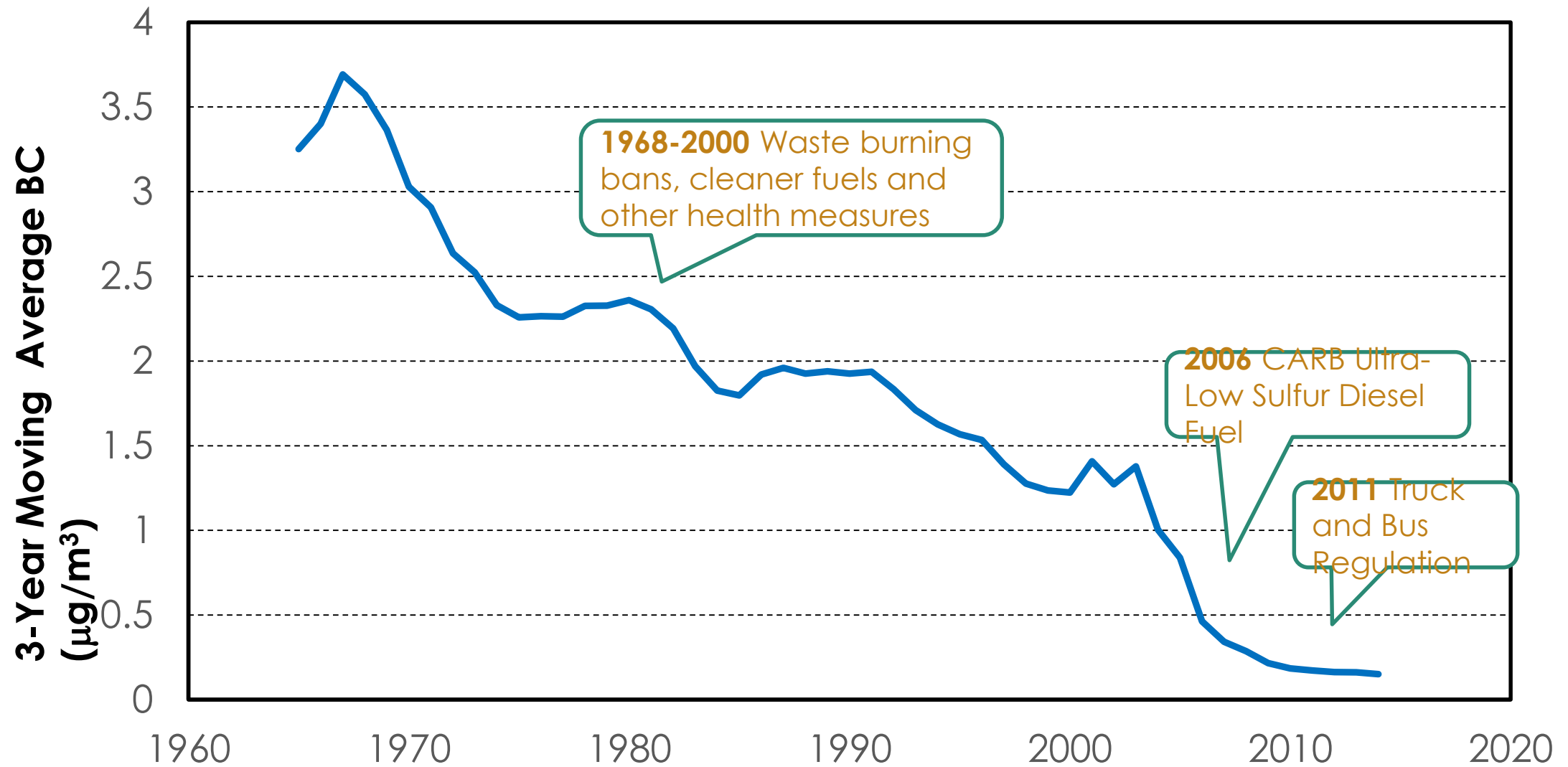
Existing Regulations and Control Measures



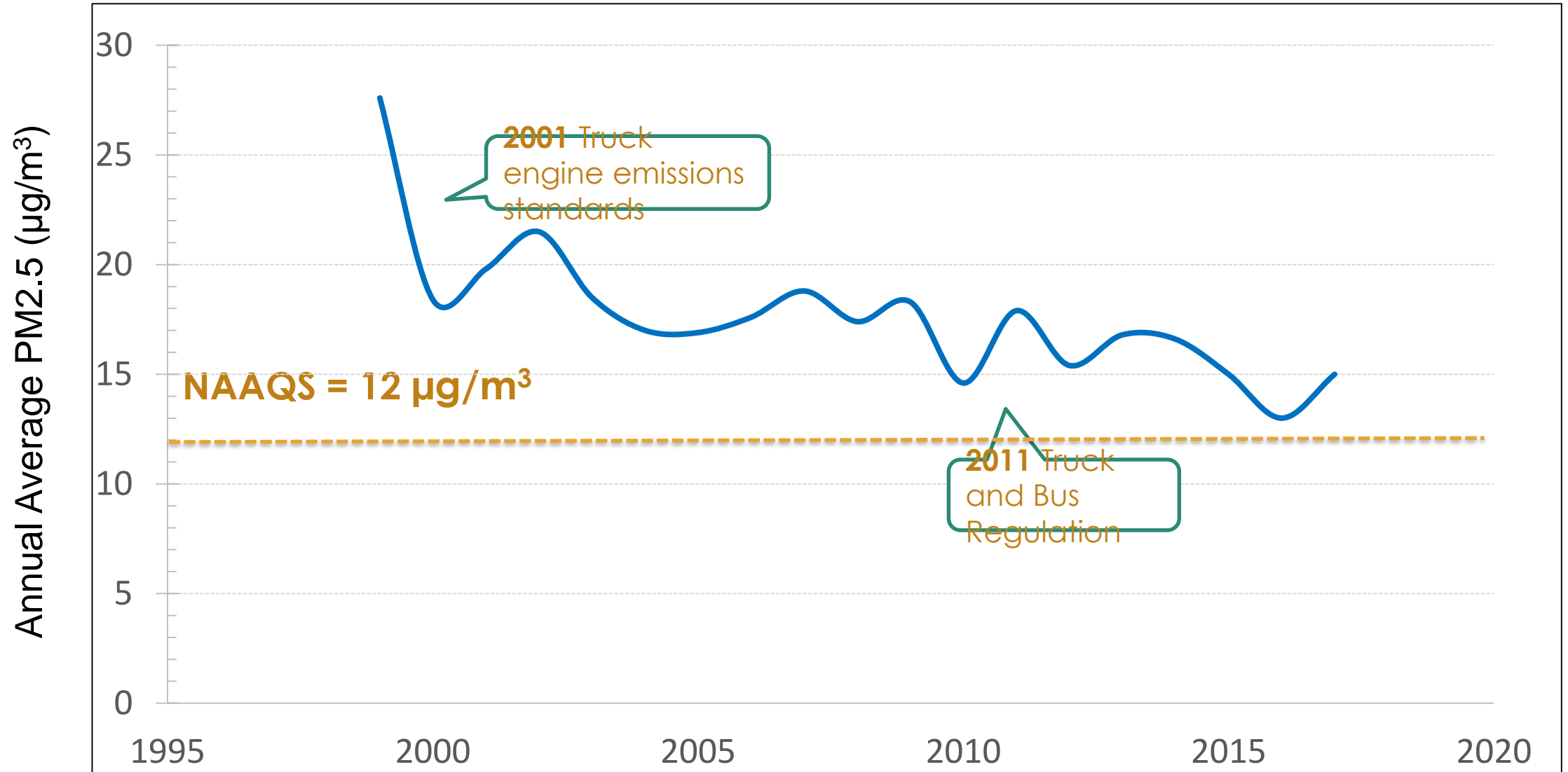
Statewide Toxic Health Risks



Statewide Black Carbon

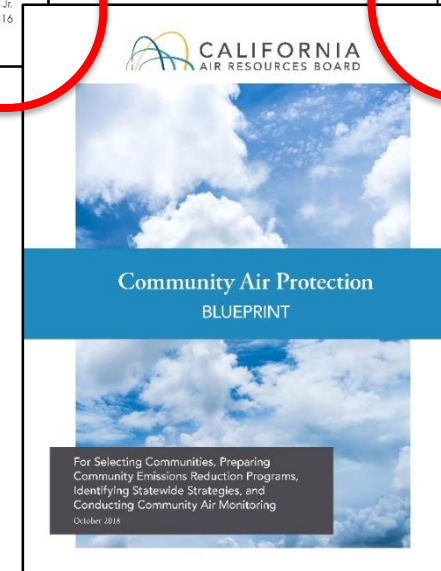
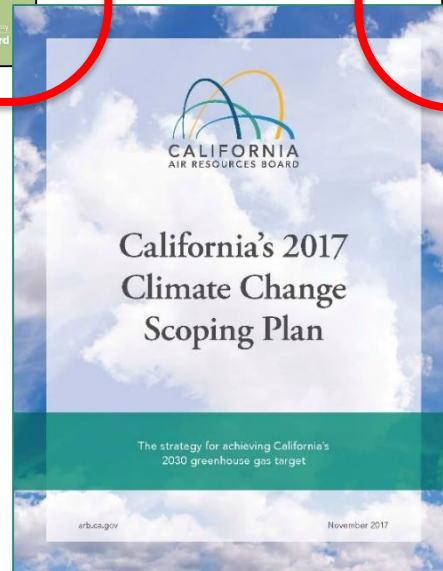
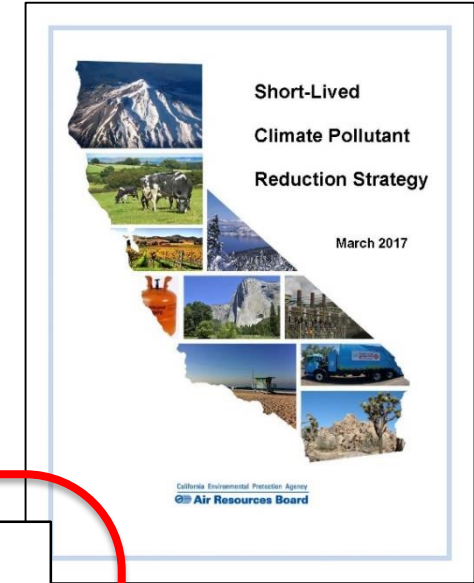
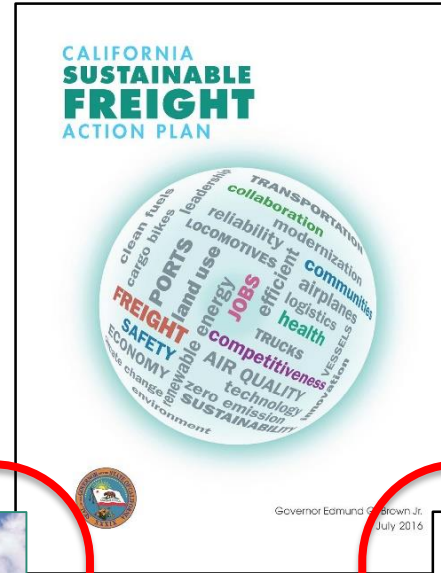


Fine Particles (PM_{2.5}) in Fresno County



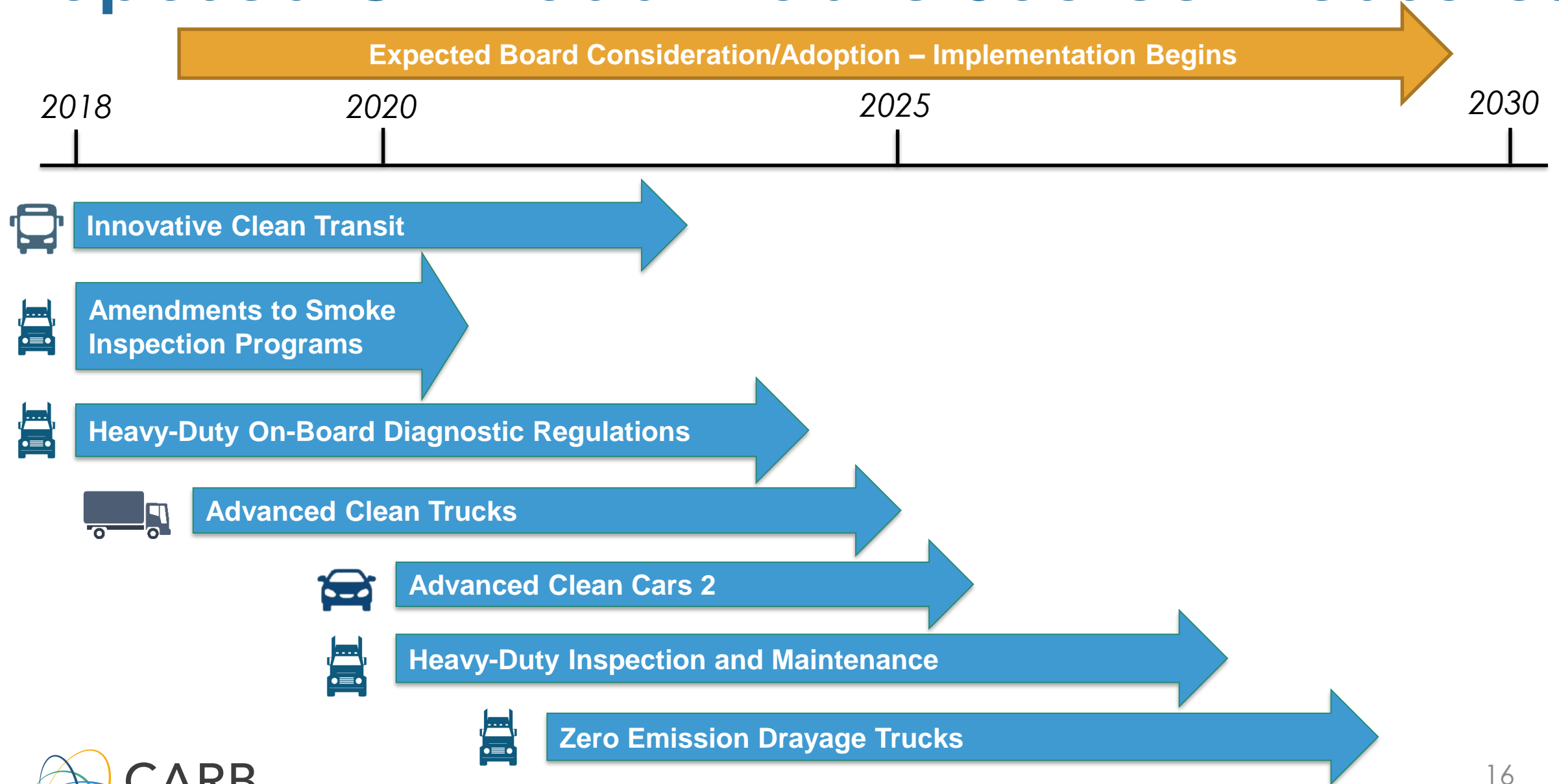
CARB EMISSIONS REDUCTION STRATEGIES

Recent Plans

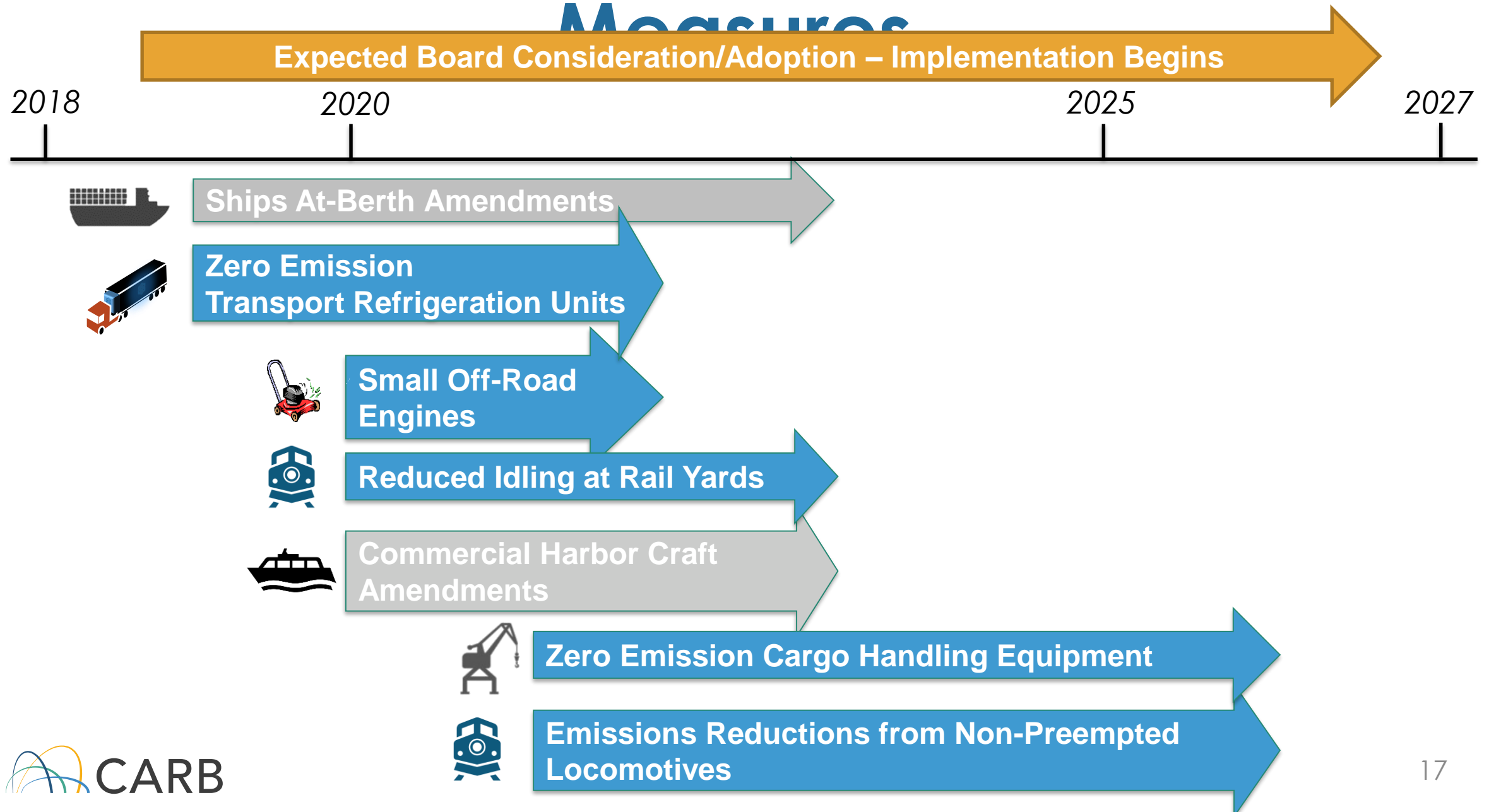


All dates for proposed rules are tentative and subject to change

Proposed On-Road Mobile Source Measures



Proposed Off-Road Mobile Source Measures



Additional Proposed Control Measures

- Chrome Plating Control Measure Amendments
- Composite Wood Products Control Measure Amendments
- Commercial Cooking Suggested Control Measure

Expected Board Consideration Date= TBD

Contact Us

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