

Capital Region Climate Readiness Collaborative  
Quarterly Adaptation Exchange  
May 24, 2018, Sacramento

# Regional Air Quality Priorities and Initiatives

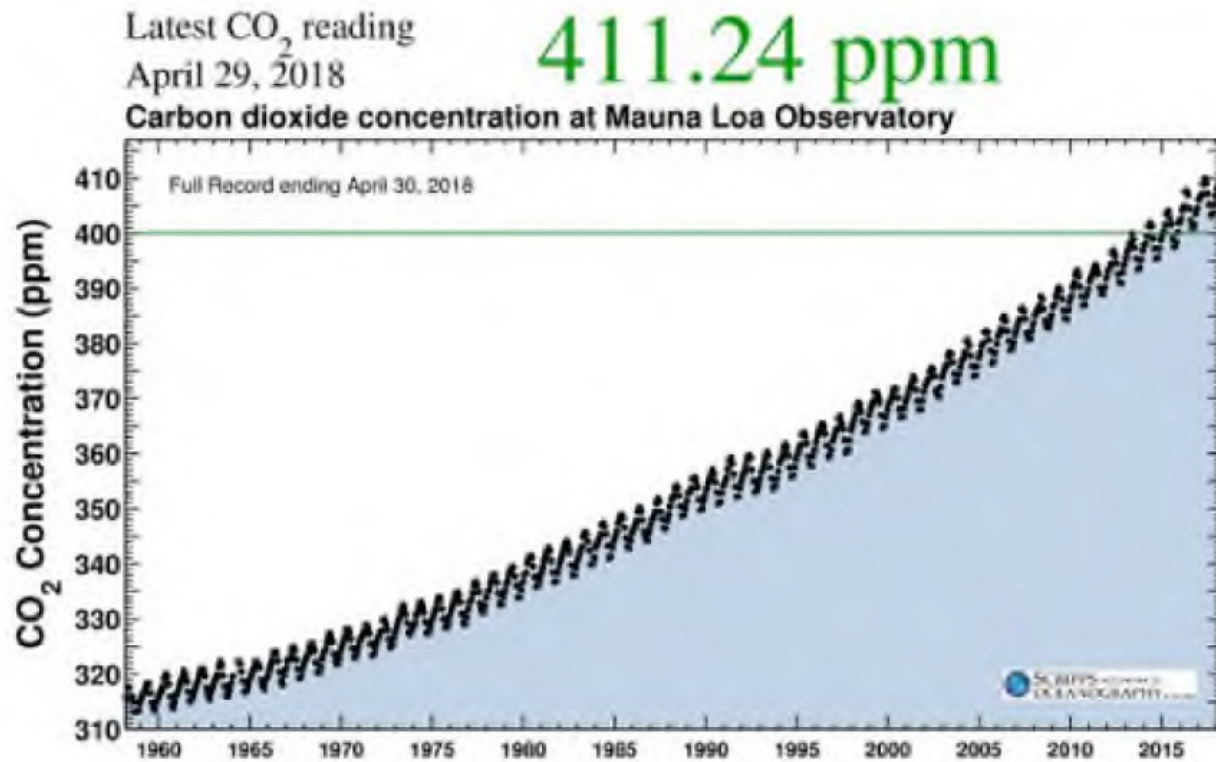


**Alberto Ayala, Exec. Director**

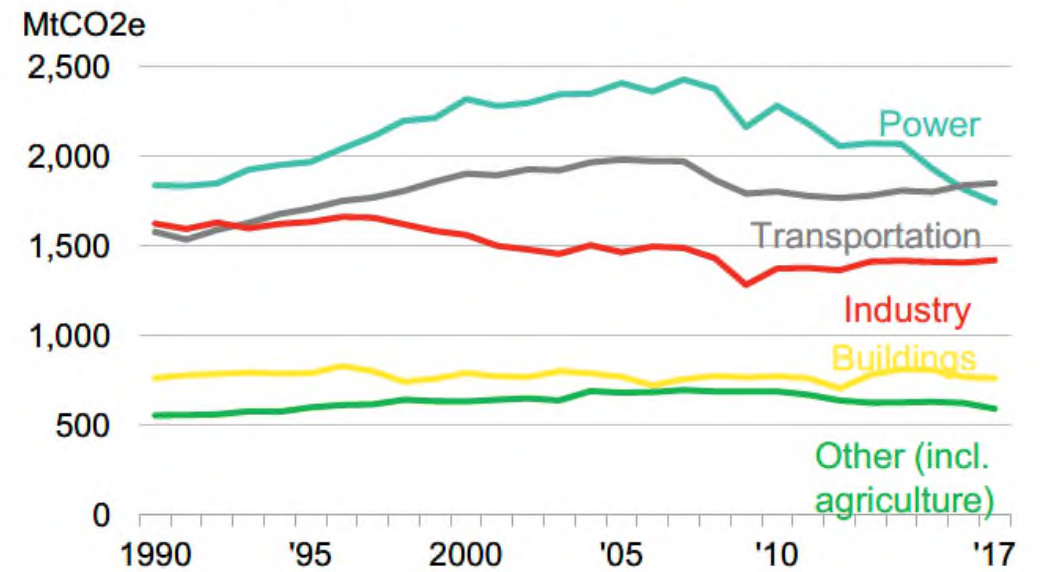
SACRAMENTO METROPOLITAN



# Accelerated regional action needed more than ever



## Emissions by sector



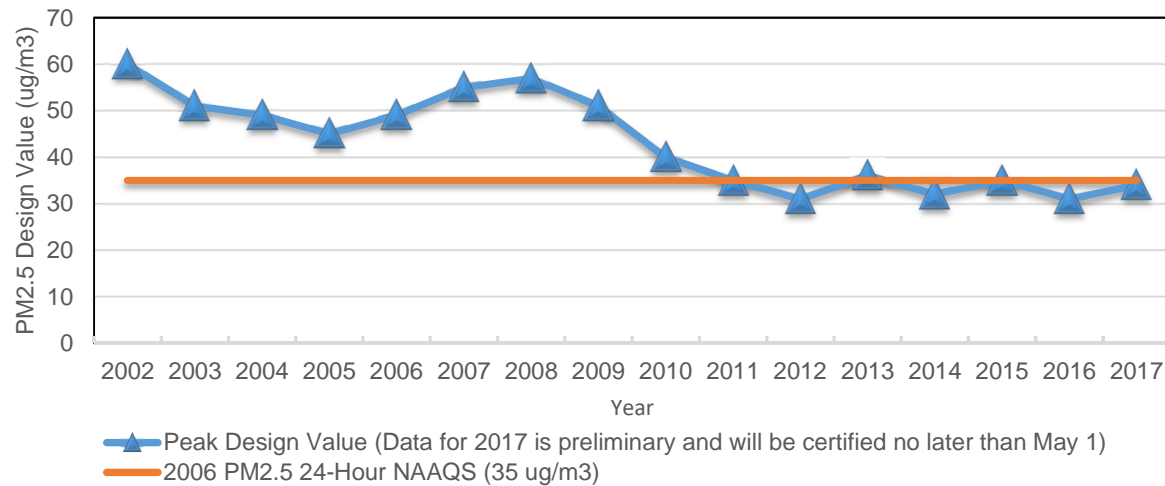
Bloomberg  
New Energy Finance

The Business Council  
for Sustainable  
Energy®

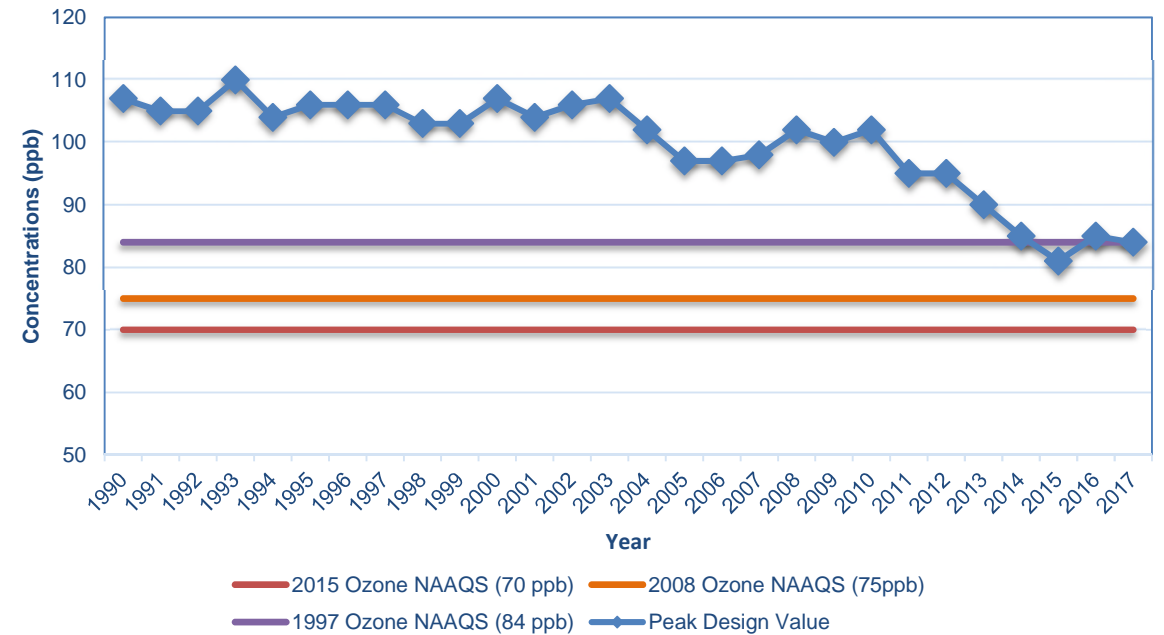
GET THE FACTS  
[www.bcse.org](http://www.bcse.org)

# Clean air progress in the capital region

## Particle Pollution



## Ozone Pollution

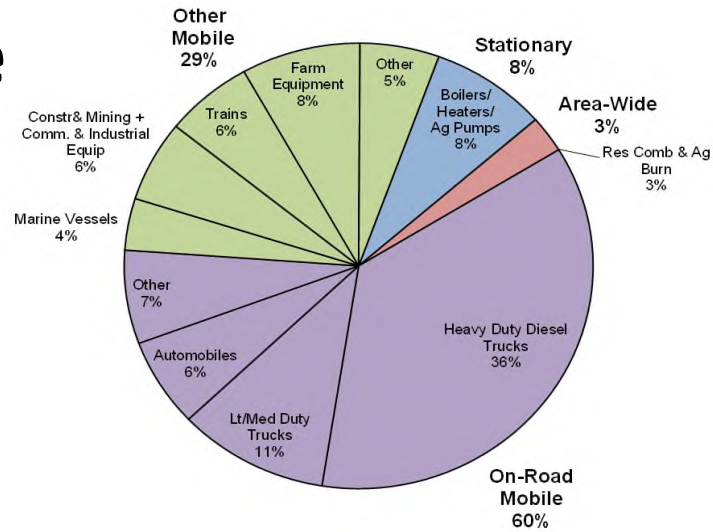


Is this an F?

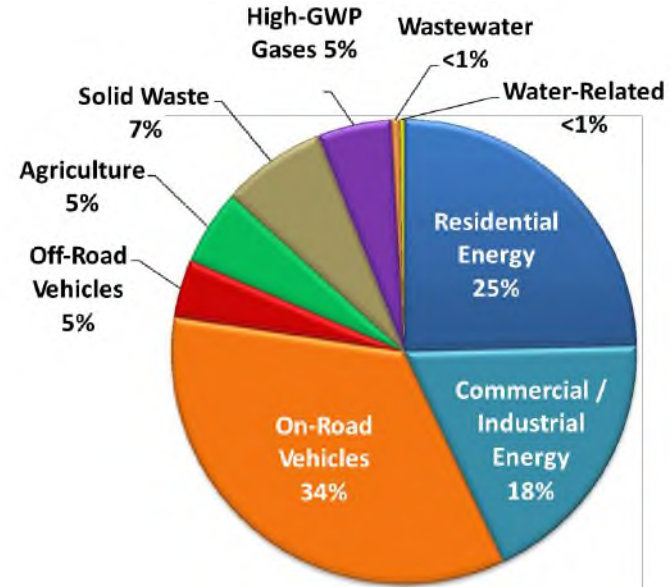
# Sources of emissions in the Valley

*Transportation sector is major contributor*

## Ozone

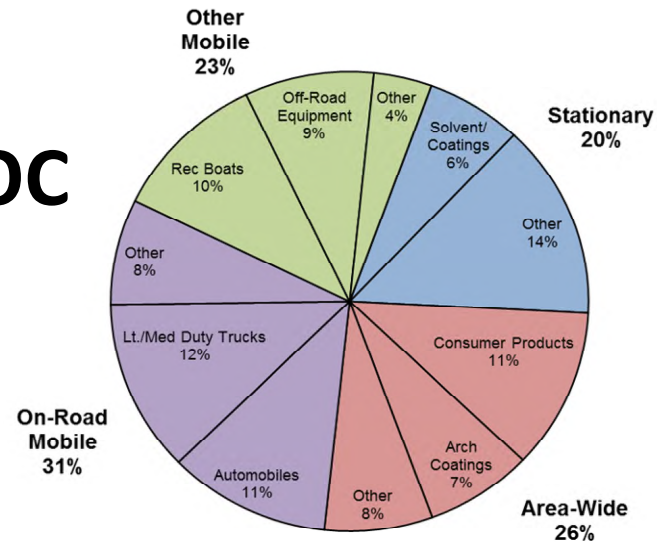


## GHG

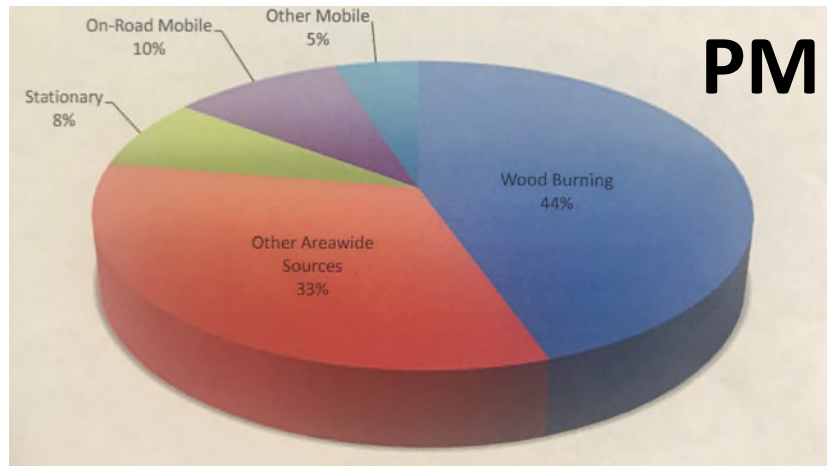


Reference: SACRAMENTO COUNTY

## VOC



## PM

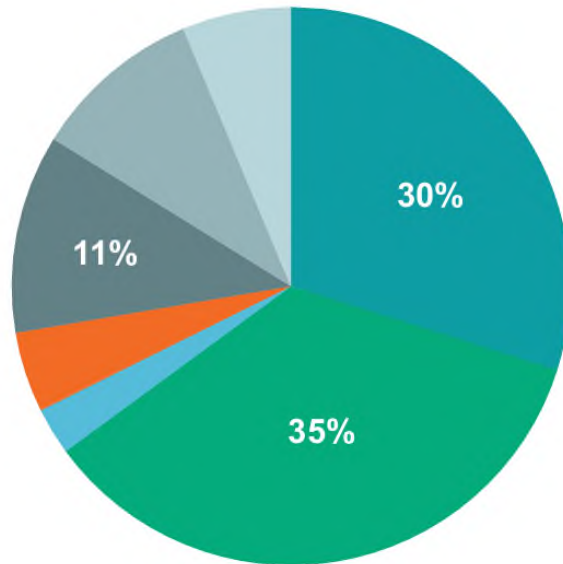


# What do we do about it?

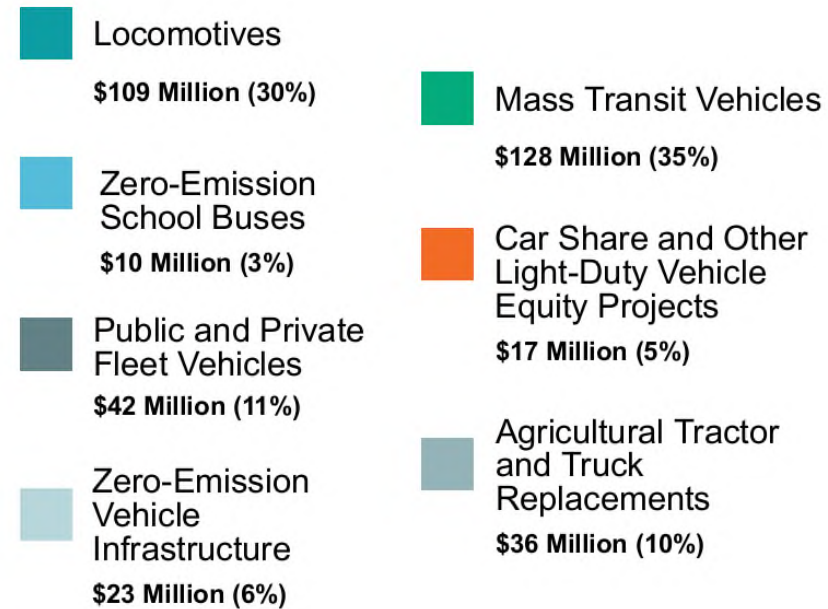
- **Not just about improving transportation, but improving mobility**
- **Strategically leveraging public investments**
- **Electrification of transportation**
- **Guiding the “disruptions” towards net environmental and other benefits**

# Advocating for investments in clean, low-carbon solutions

Sacramento Region Projects:  
\$365 Million over 10 Years



## \$35M per year for 10 years



### The Cleaner Air Partnership

We are a unique public-private partnership across business, transportation, the environment, health, and local government that promotes cleaner air in the Sacramento region.



# The transformation of transportation



- **Electrons and molecules - the no compromise, cheat-proof alternative to petroleum combustion**
- **Advancing regional EV strategies (e.g., City of Sacramento)**
- **Tangible solutions for both light-duty and heavy-duty vehicles and equipment**
- **Prioritize charging AND fueling infrastructure deployment**



# SACOG Green Region



Personal Vehicles



Sharing / Rental



Transit



Fleets



Disadvantaged  
Communities

**\$11M in SACOG investments to leverage  
10X+ in State funding**



# SMAQMD Clean Air & Low Carbon Investments

<b>Category</b>	<b>Allowable Project Uses</b>	<b>Estimated Sacramento Region Investment</b>
Light Duty Vehicle Equity Programs	Scrap & Replace, Car Share, Ride Hail	\$7-12 million
Moyer	Tractor Replacement, Alternative Fuels, Locomotives & Infrastructure	\$5-6 million
FARMER	On-Road HD Farm Trucks, Off Road Ag	\$2 million
Clean Air Protection Program	Alternative Fuels, Locomotives, Infrastructure, Tractor Replacement	\$4 million
Sacramento Emergency Clean Air Transportation Program	Zero Emission Infrastructure, School Bus, Transit Bus, Vocation and Delivery Trucks	\$8-12 million
TOTALS		Up to \$36 million

# Bike sharing for clean, zero-carbon mobility in the Sacramento region

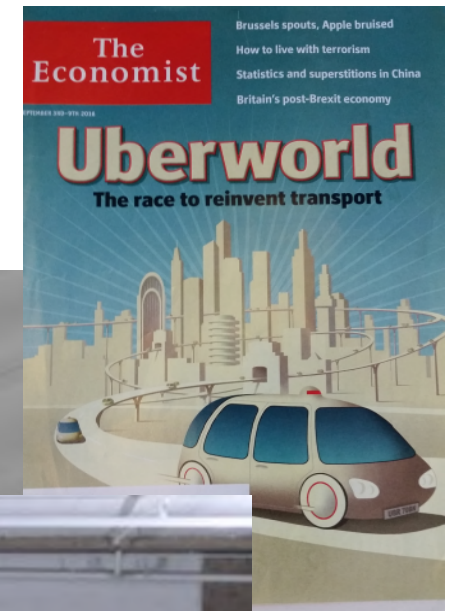


# Innovative mobility options in disadvantaged communities



# Regional cooperation to lead in AT as stars align for disruptions in mobility

## Mega-trends: autonomous/connected/electric/shared



### California lawmaker wants to ban gas car sales after 2040

BY ALEXEI KOSEFF  
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France and the United Kingdom are doing it. So is India. And now one lawmaker would like California to follow their lead in phasing out gasoline- and diesel-powered vehicles.

When the Legislature returns in January, Assemblyman Phil Ting plans to introduce a bill that would ban the sale of new cars fueled by internal-combustion engines after 2040. The San Francisco Democrat said it's essential to get California drivers into an electric fleet if the state is going to meet its greenhouse gas reduction targets, since the transportation sector accounts for more than a third of all emissions.

"The market is moving this way. The entire world is moving this way," Ting said. "At some point you need to set a goal and put a line in the sand."

