

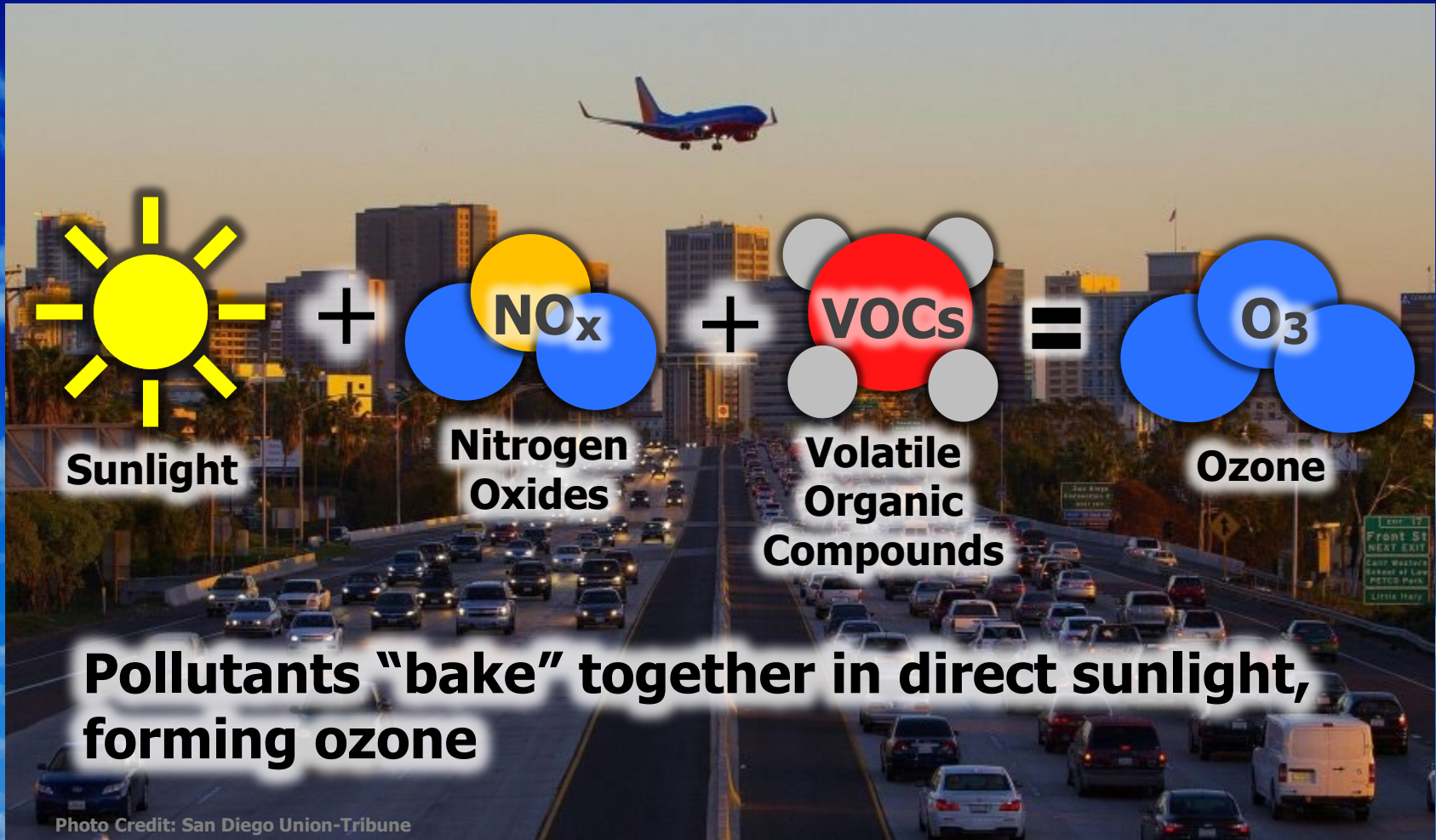


**Draft Plan to Attain  
National Ozone Standards  
In San Diego County**

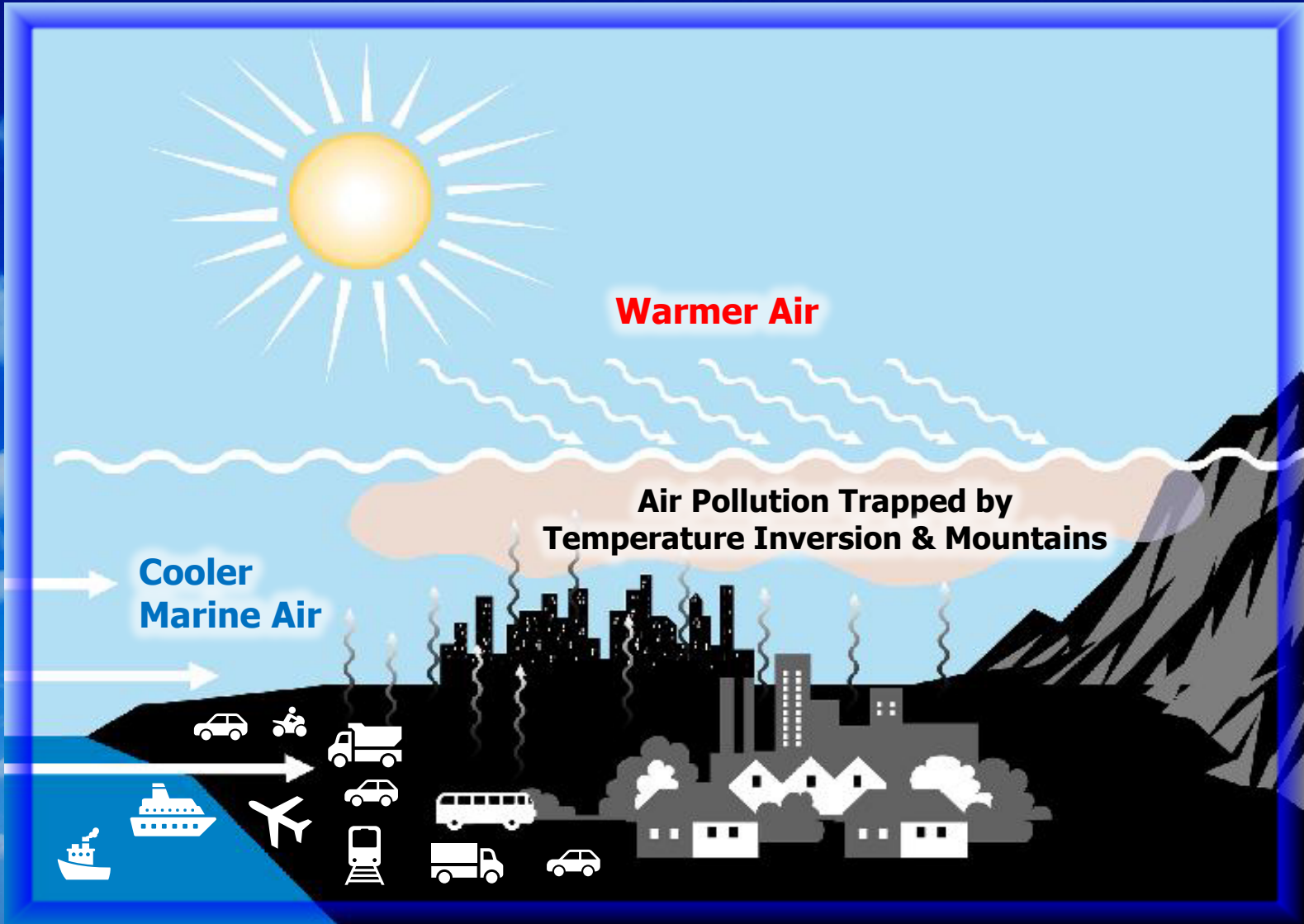
**Portside Community  
Steering Committee**

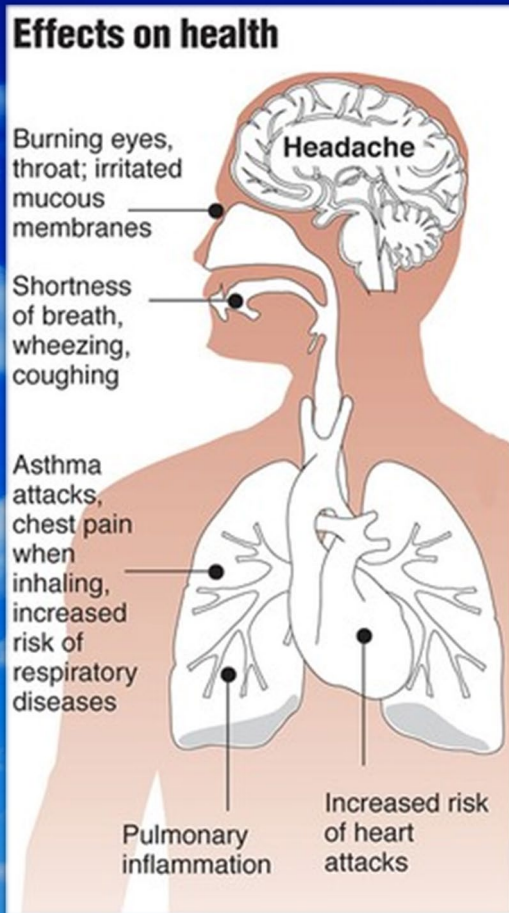
**July 21, 2020**

# WHAT CAUSES OZONE POLLUTION?



# OZONE POLLUTION IN SAN DIEGO COUNTY





## Who is most at risk?

- Children & seniors
- People with asthma, bronchitis or COPD
- Those who spend more time outdoors

## When & where are risks highest?

- Spring & summer afternoons
- Inland areas

## U.S. Environmental Protection Agency



- EPA regulates interstate-traveling mobile sources & major stationary sources

## California Air Resources Board



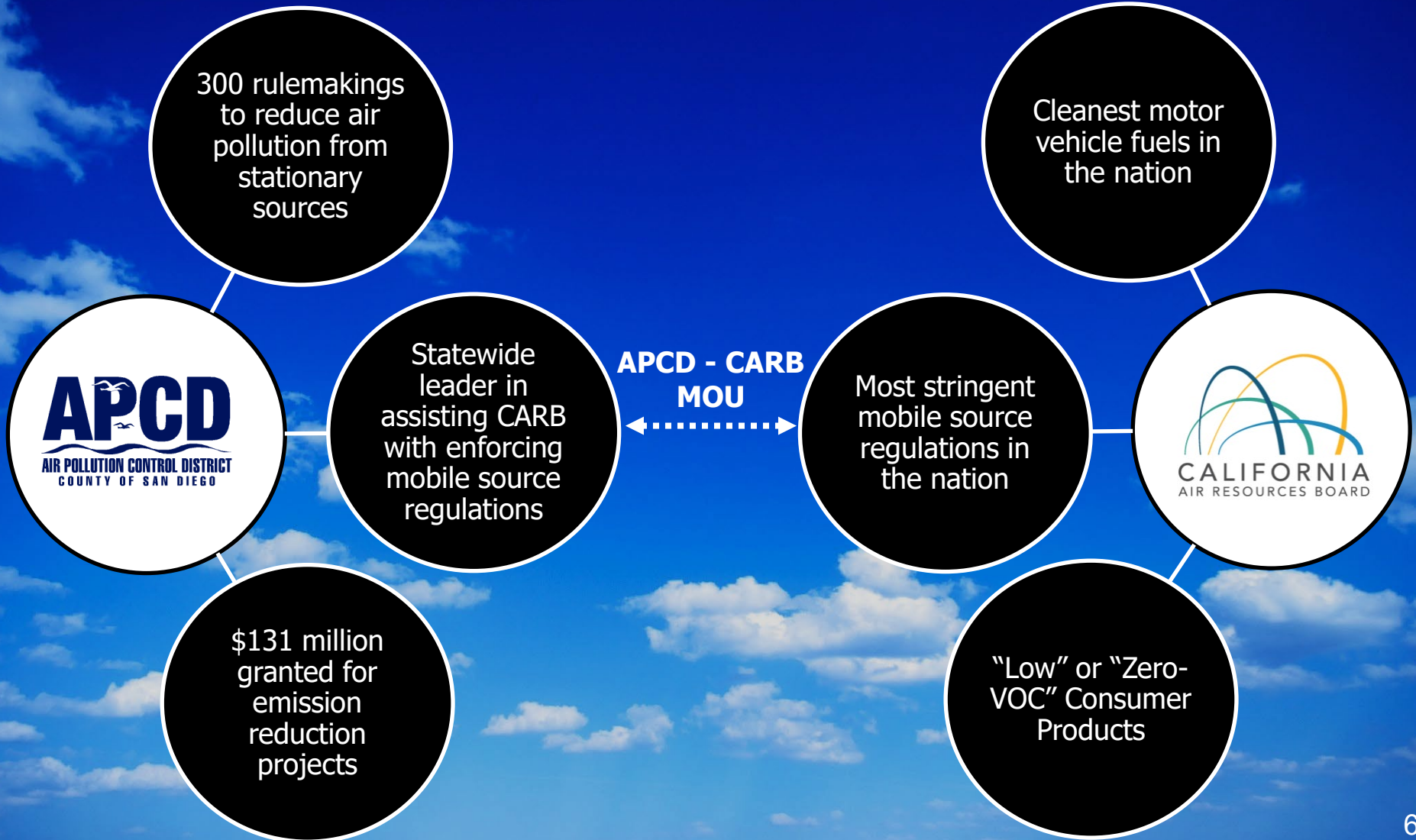
- CARB regulates in-state mobile sources & consumer products

## Air Pollution Control District



- APCD regulates stationary sources

# CLEAN AIR ACTIONS



# CLEAN AIR ATTAINMENT STATUS

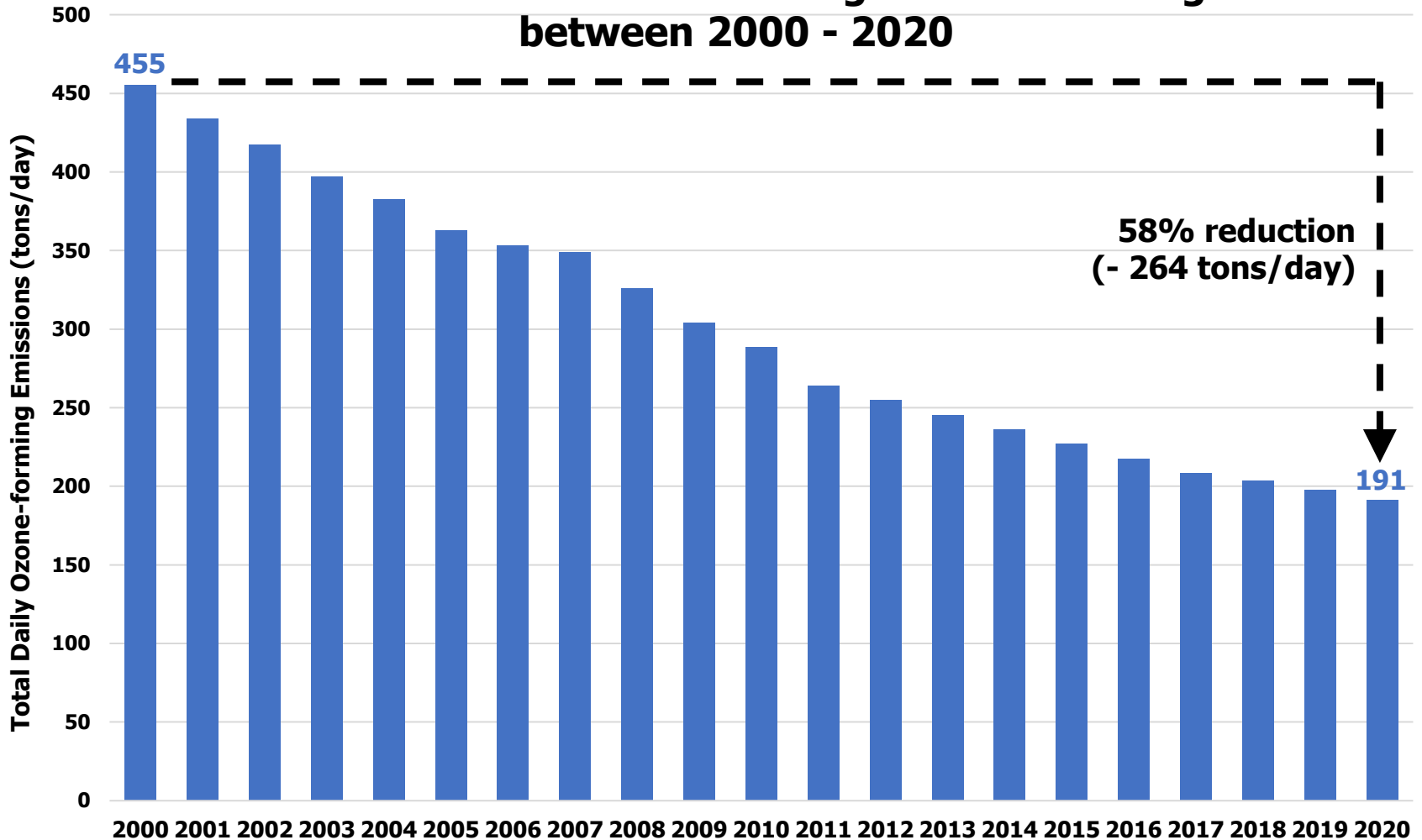


<b>Applicable Pollutant</b>	<b>National Ambient Air Quality Standard</b>
<b>Particulate Matter</b>	<b>Attainment</b>
<b>Carbon Monoxide</b>	<b>Attainment</b>
<b>Lead</b>	<b>Attainment</b>
<b>Nitrogen Dioxide</b>	<b>Attainment</b>
<b>Sulfur Dioxide</b>	<b>Attainment</b>
<b>Ozone</b>	<b>Non-Attainment</b>

# EMISSION CONTROLS ARE WORKING

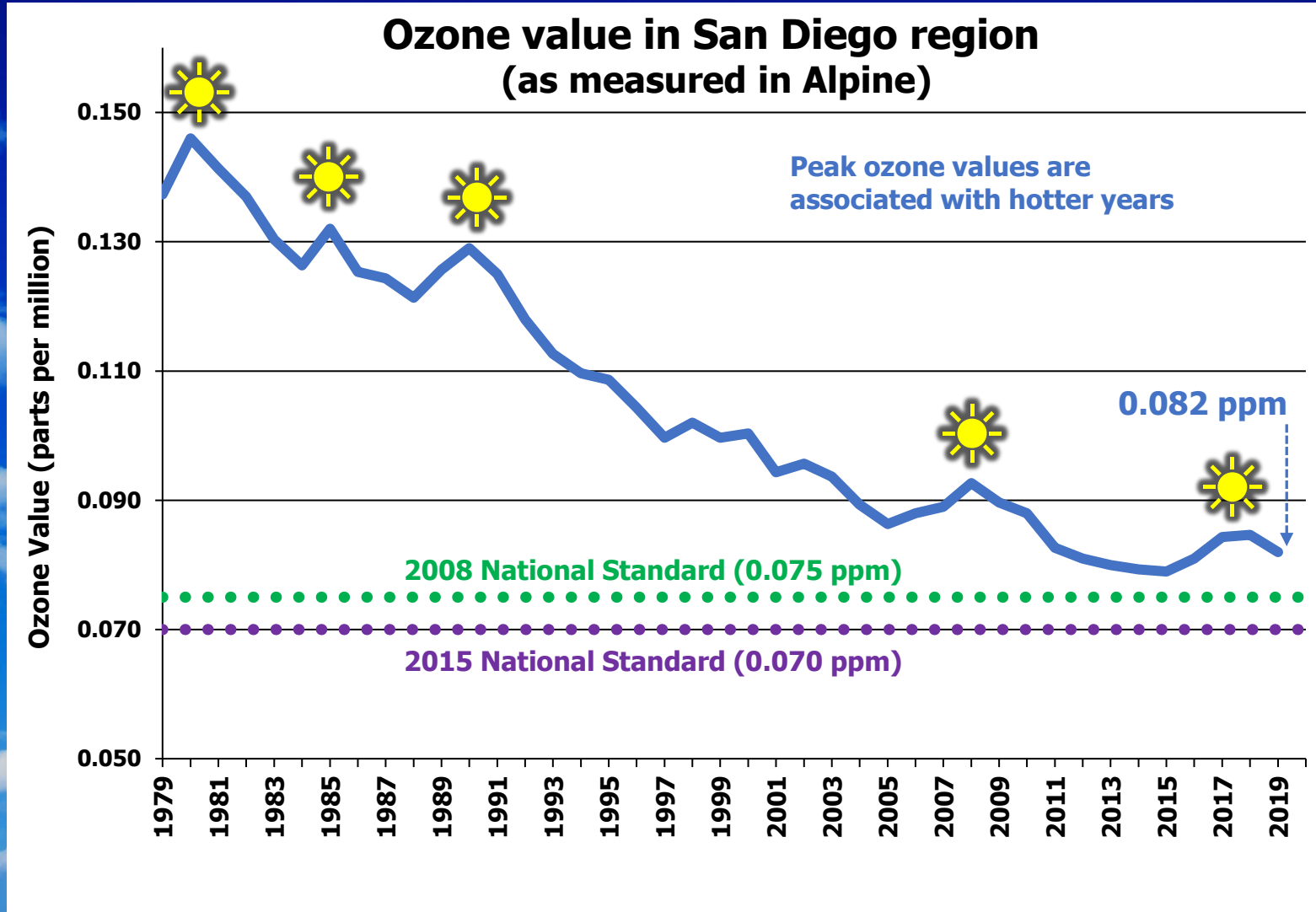


## 58% reduction in ozone-forming emissions in region between 2000 - 2020

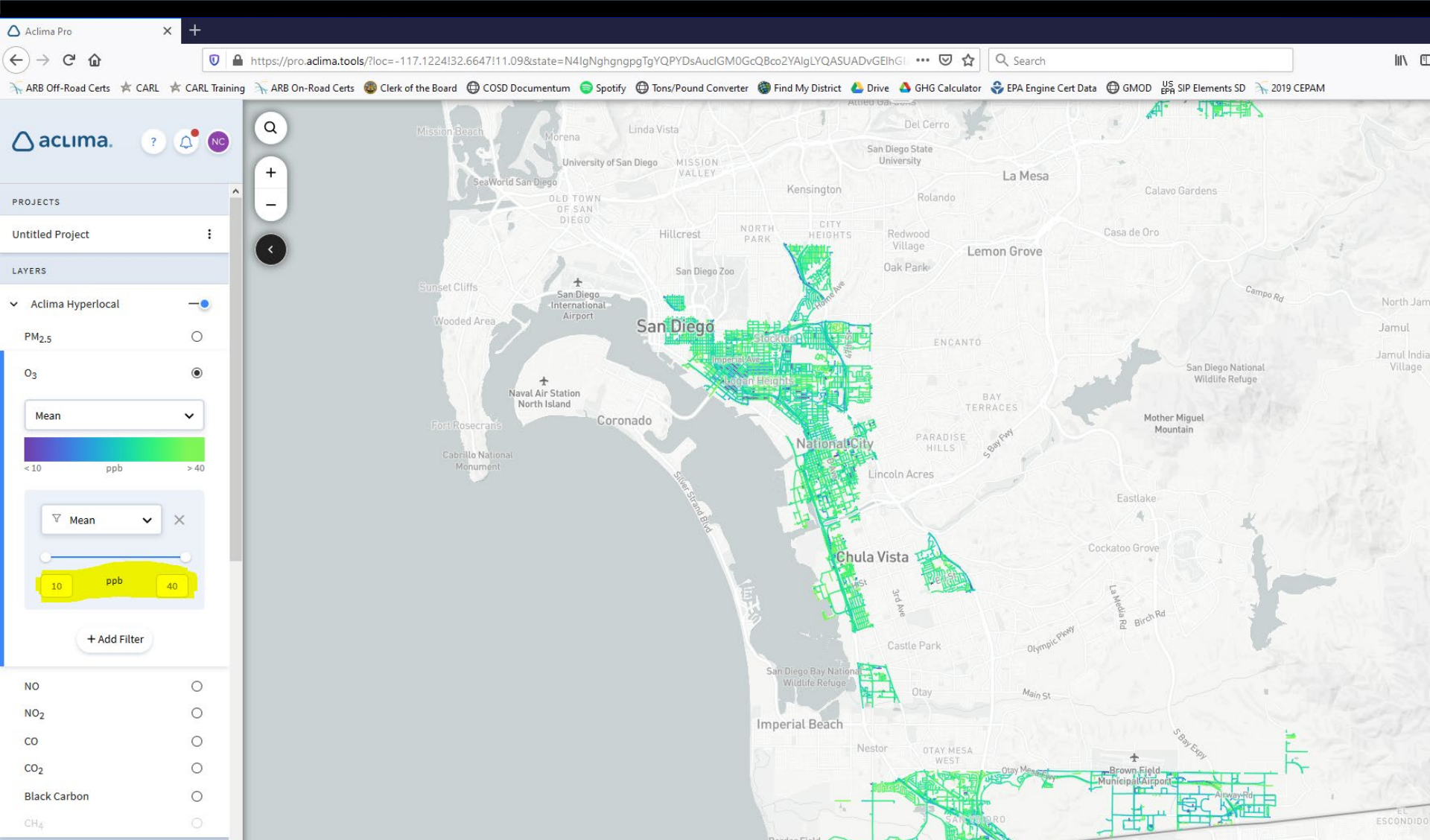




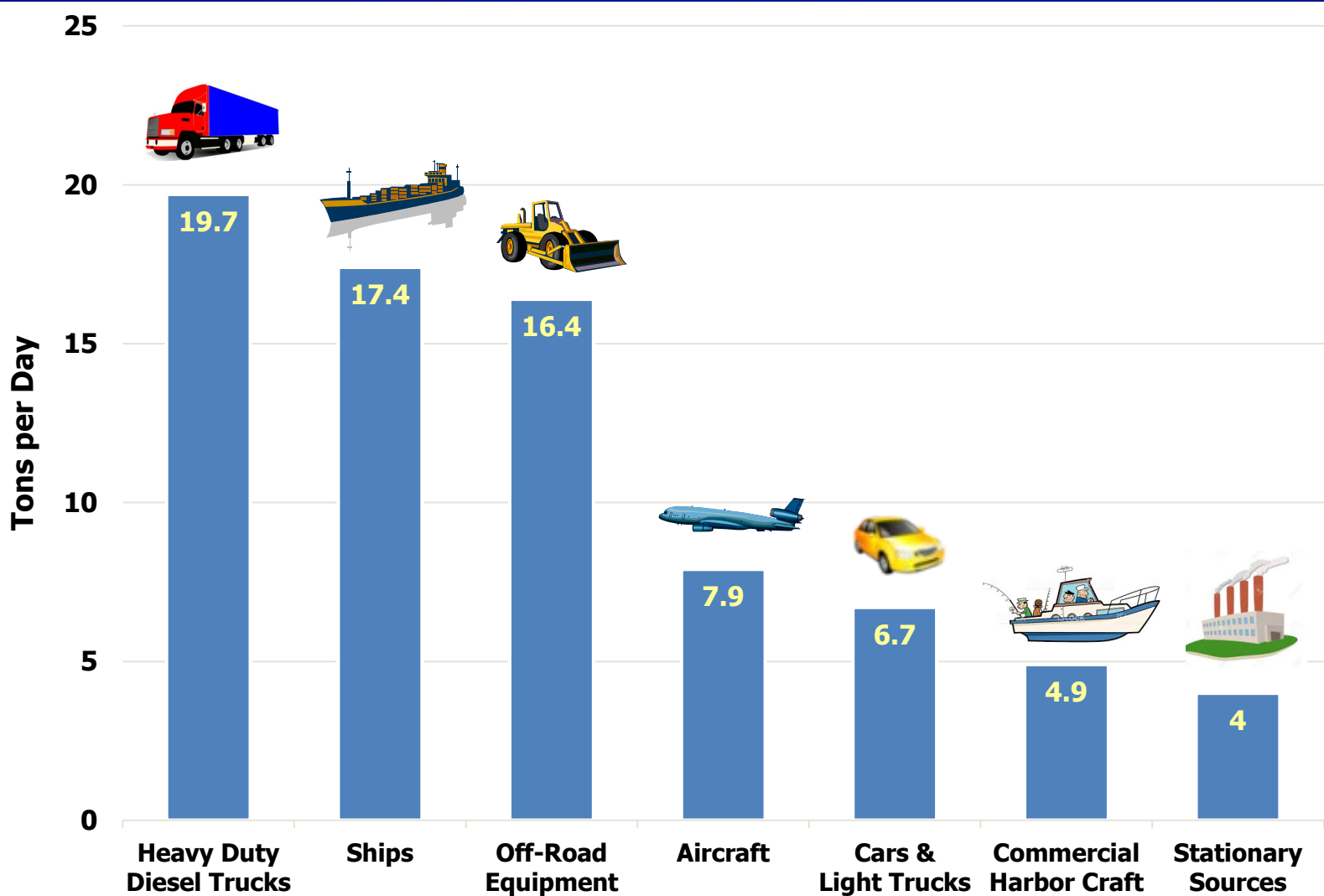
# OZONE POLLUTION HAS DROPPED OVERALL



# MOBILE OZONE MONITORING IN PORTSIDE



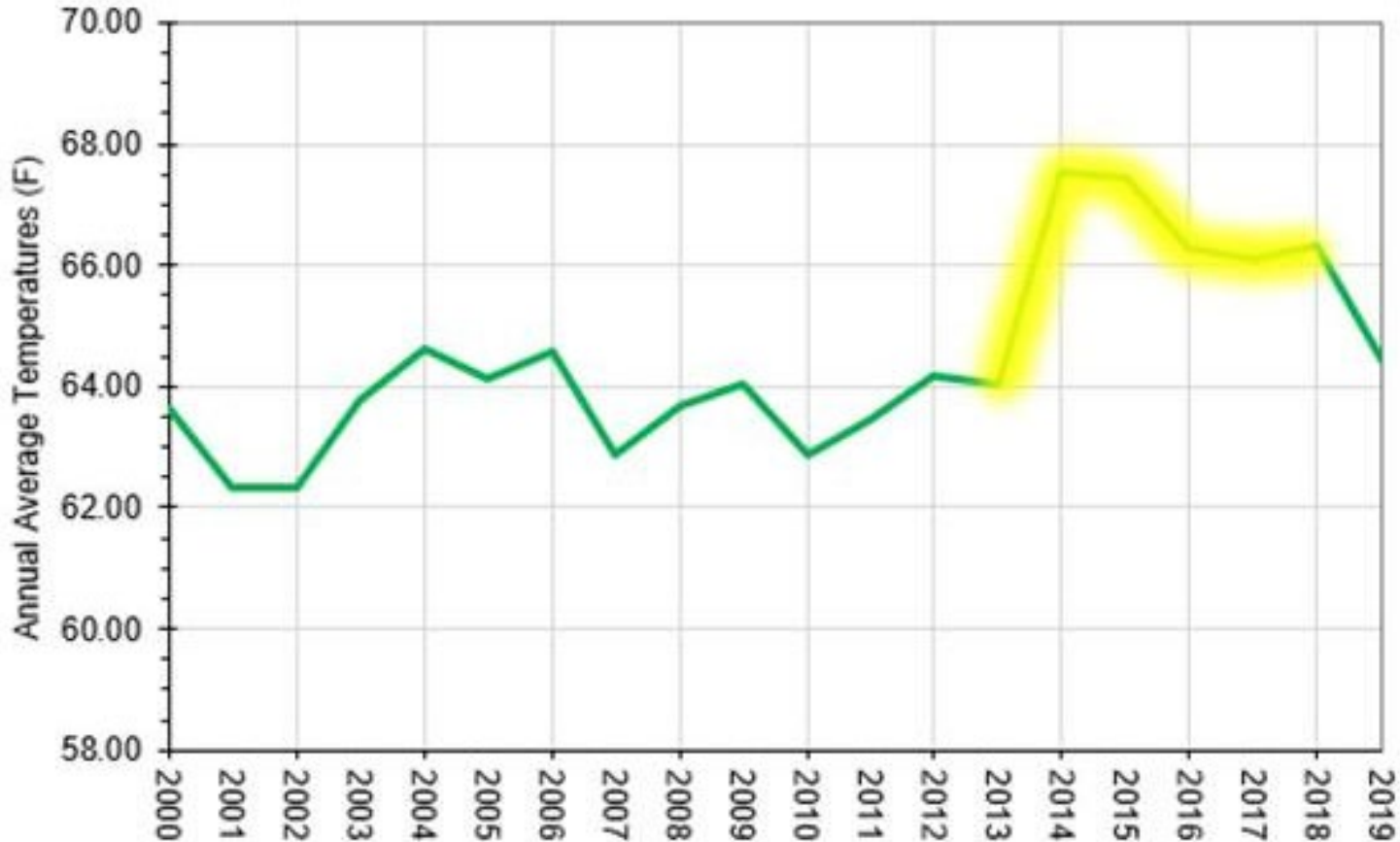
# REGION'S TOP SOURCES OF NOx EMISSIONS



# TEMPERATURES ARE RISING



Annual Average Temperatures at San Diego International Airport, 2000-2019



# "TON PER DAY" COMPARISON



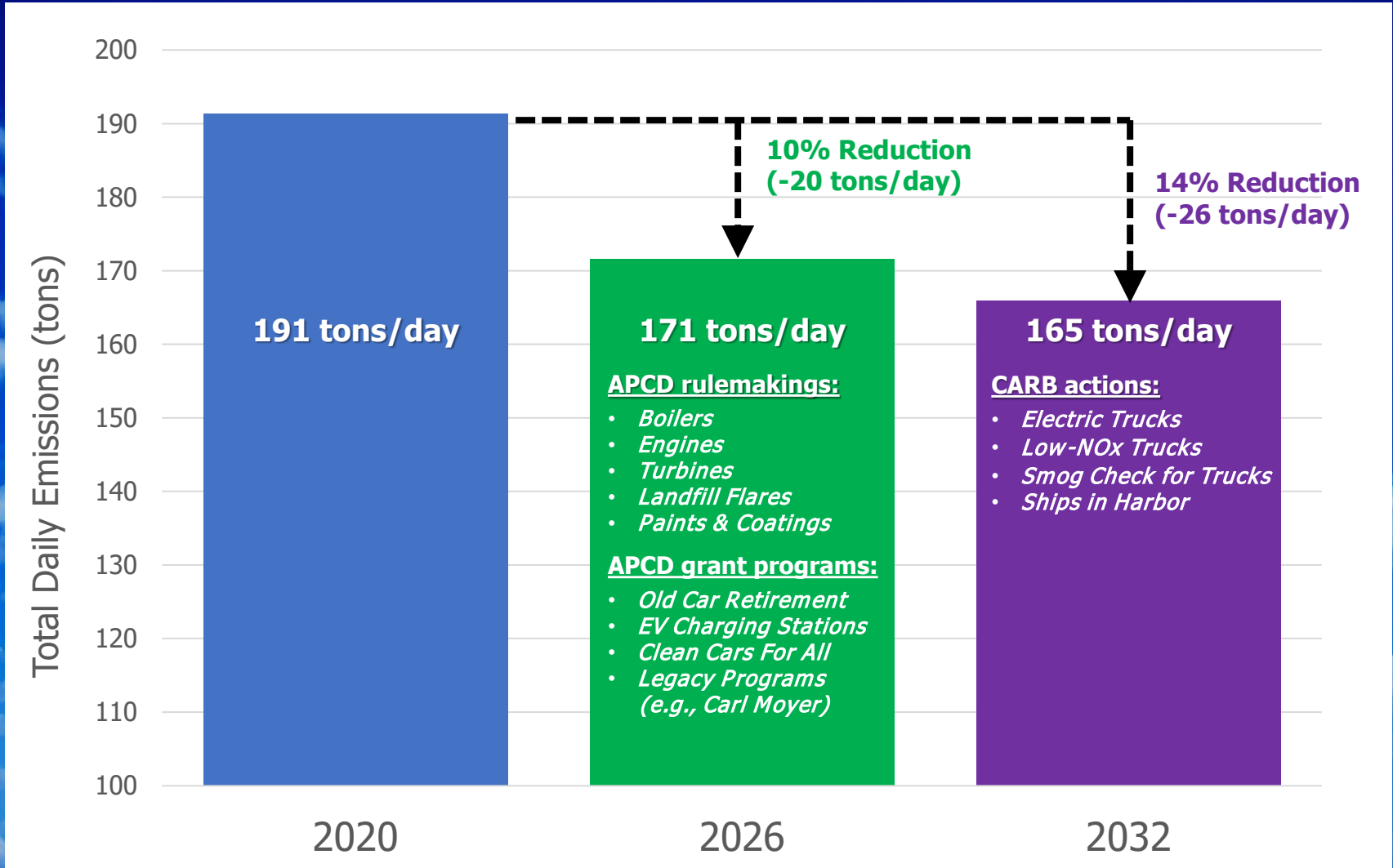
**1 Ton/Day  
of NOx emissions**



**350,000  
passenger cars**



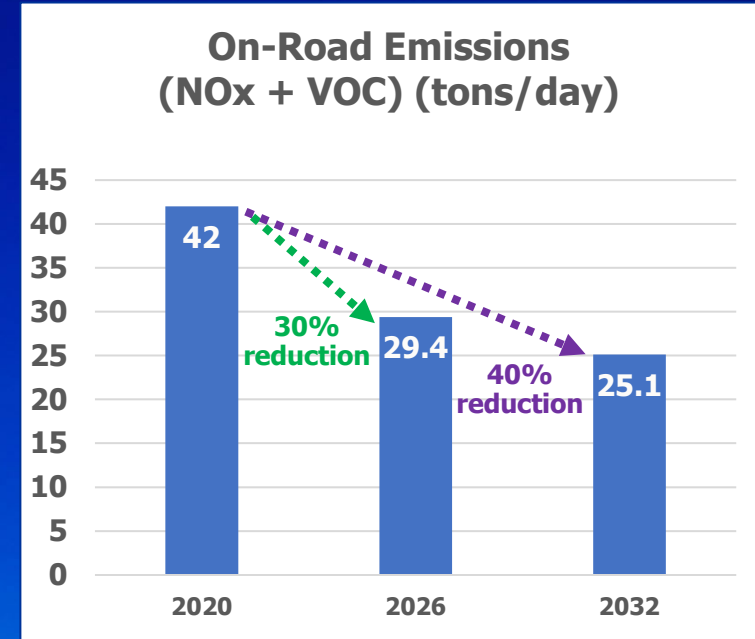
# TOTAL EMISSIONS WILL FURTHER DECLINE



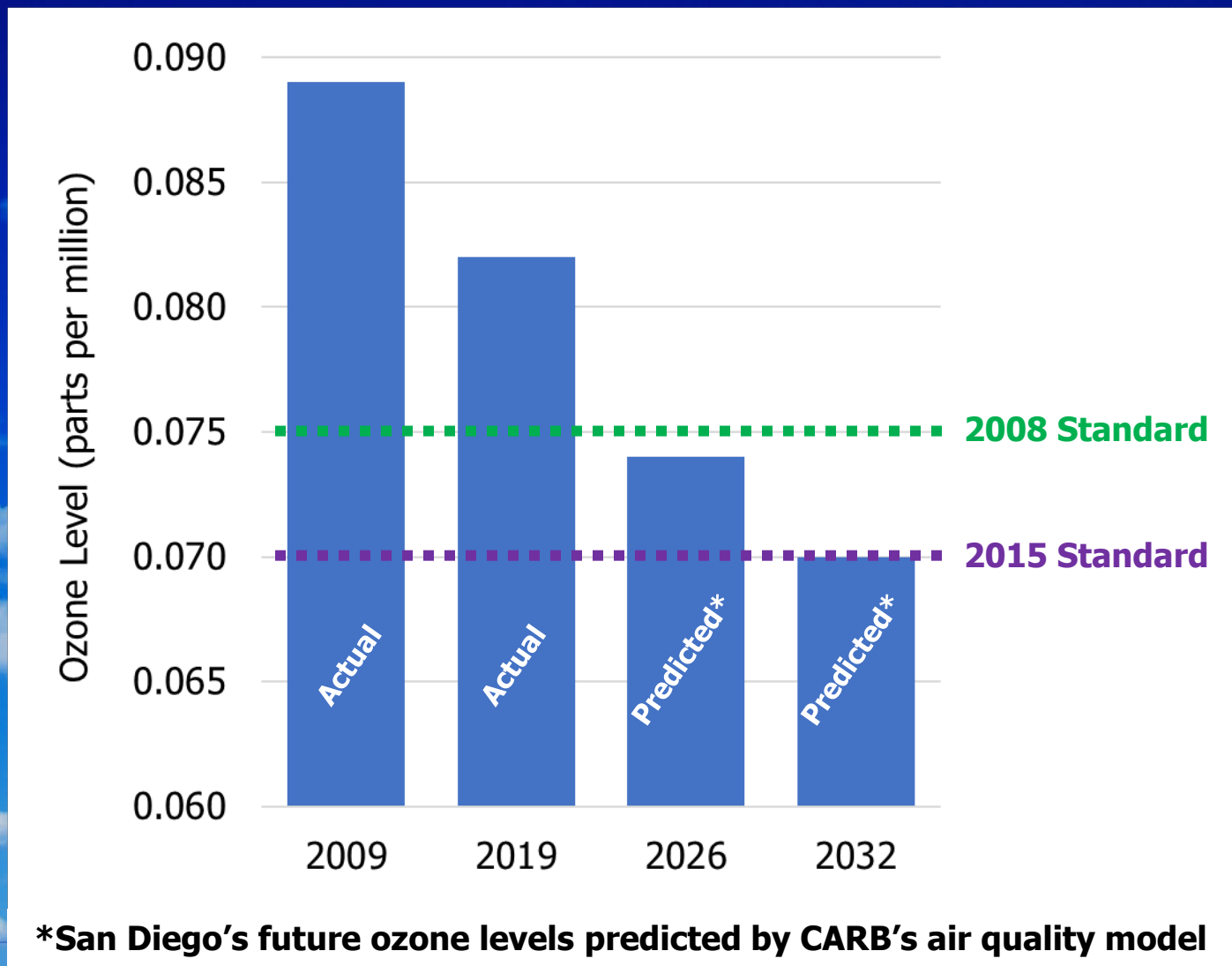
# THREADING WITH TRANSPORTATION AGENCIES



- Working together to reduce transportation-related air pollution
- On-road emissions forecasted to drop
  - 30% by 2026
  - 40% by 2032
- Draft ozone attainment plan requires these emissions reductions



# OZONE ATTAINMENT IS PREDICTED IN 2026 & 2032





# ATTAINMENT LABELS & DEADLINES



**Attain by 2026**  
Region's predicted attainment date corresponds to a severe classification



\*Region's existing classification

**Attain by 2032**  
Region's predicted attainment date corresponds to a severe classification



\*Region's existing classification

# BUSINESS IMPACTS OF SEVERE CLASSIFICATION



Program	More Restrictive Permit Requirements	
	Serious	Severe
<b>Federal Permit Program for Existing Major Sources</b> (Additional monitoring, reporting)	Facilities emitting $\geq 100$ tons/year (32 existing sources)	Facilities emitting $\geq 25$ tons/year (up to 25 additional sources)
<b>New Source Review Program for New/Modified Major Sources</b> (Advanced controls, Emissions Offsets)	Facilities emitting $\geq 50$ tons/year (new or modified sources only)	Facilities emitting $\geq 25$ tons/year (new or modified sources only)
<b>New Source Review Emissions Offsetting Ratio</b>	1.2-to-1	1.3-to-1

# PLANNED NEXT STEPS



<b>Action</b>	<b>Schedule</b>
<b>Release Draft Document &amp; Notice of Workshop</b>	<b>July 1, 2020</b>
<b>Public Workshops</b> (2 webinars)	<b>July 9, 2020</b> <b>July 13, 2020</b>
<b>Advisory Committee Meeting</b>	<b>August 2020</b>
<b>APCD Board Meeting</b>	<b>September 2020</b>
<b>CARB Board Meeting</b>	<b>October 2020</b>

## San Diego County APCD <https://tinyurl.com/AirQualityPlan>

Draft ozone plan & fact sheets are available on the APCD website

Comments / Questions?

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[Nick.Cormier@sdcounty.ca.gov](mailto:Nick.Cormier@sdcounty.ca.gov)

