



CITY OF SAN ANTONIO  
**METROPOLITAN HEALTH DISTRICT**

# **Ozone Attainment Master Plan**

**City Council B Session**

March 20, 2019

Colleen M. Bridger, MPH, PhD

# Ozone Attainment Plan

## Ozone Attainment Master Plan (OAMP) vs. ***Climate Action & Adaptation Plan (CAAP)***

- OAMP is a targeted intervention
- CAAP is mid- to long-term goals for Climate Change



# EPA Announcements

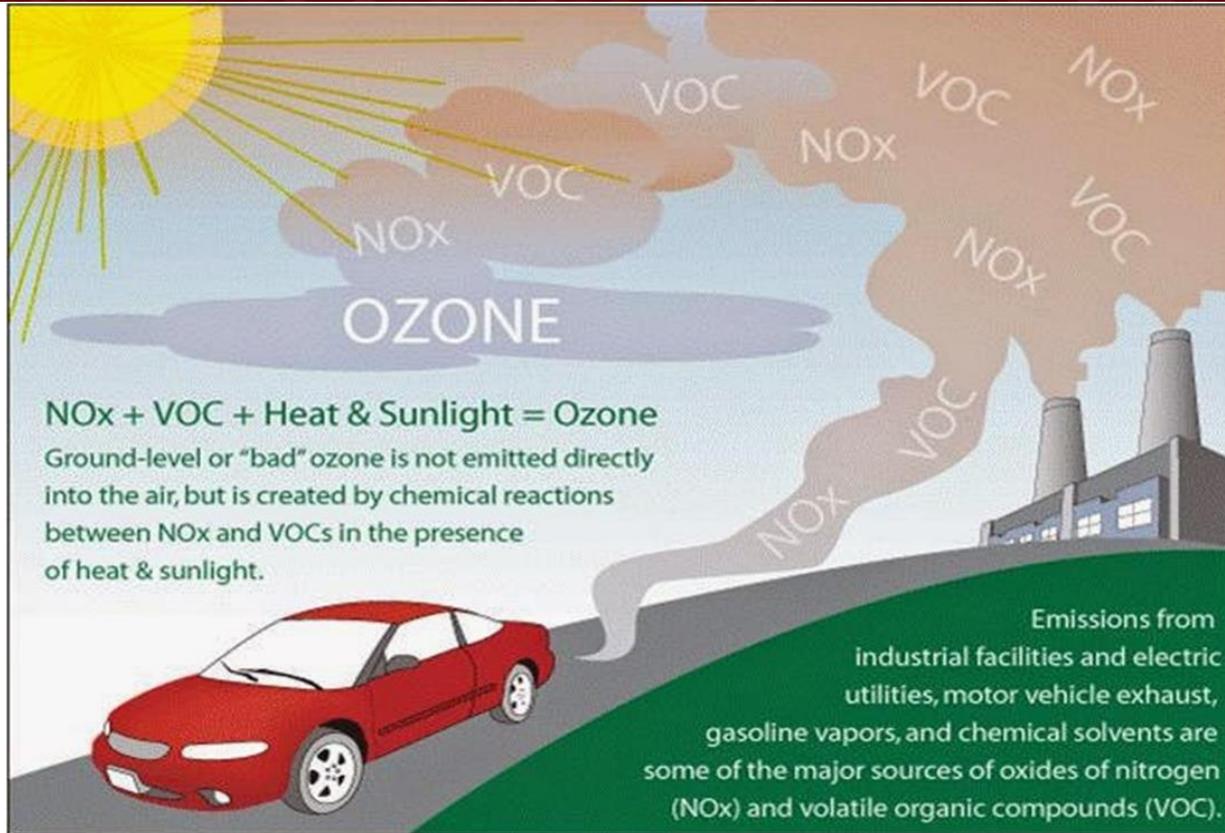
**October 1, 2015**

EPA lowered the Ozone standard to 70 ppb

**September 24, 2018**

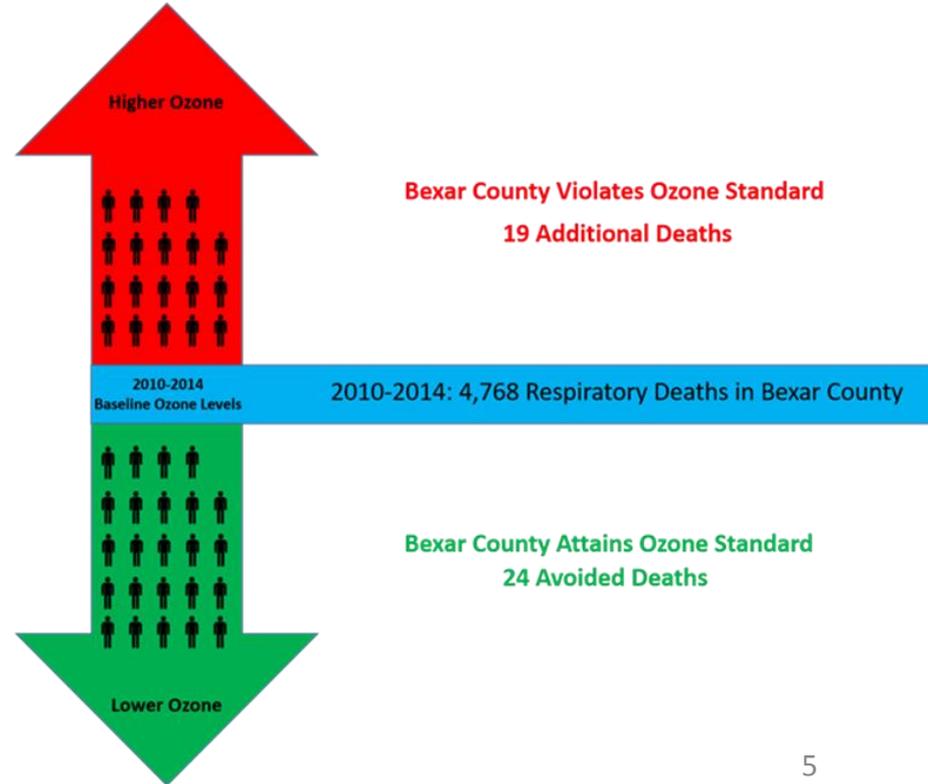
San Antonio designated Marginal Nonattainment

# What is the issue?



# Why is it important? *Public Health*

- Death (children & elderly)
- Cardiovascular disease
- Respiratory disease
- Asthma attacks



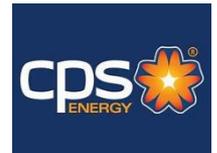
# Why is it important? *Economic Cost*



## **Federal Regulation could cause:**

- Loss of gross regional product (GRP)
- Road Construction/Project Delays
- Lost Manufacturing Expansion

# Partners



# Progress to Date

## *Ozone Attainment Team*

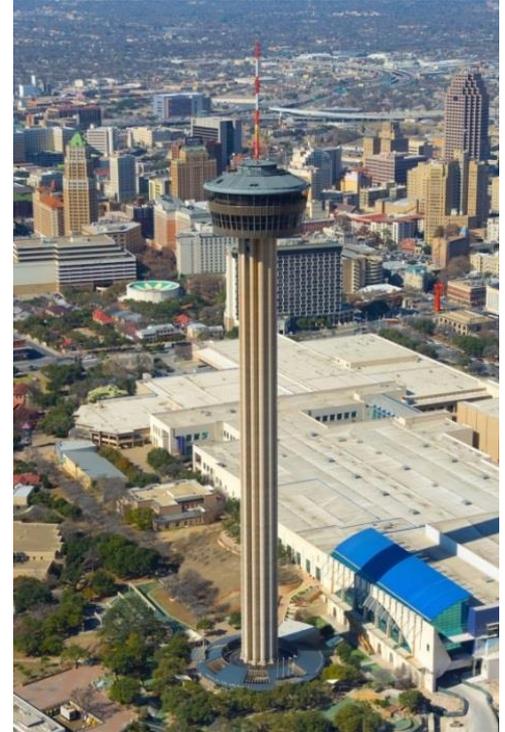


***“Getting to 70” Committee***



# “Getting to 70” Subcommittees

- Targeted Communications
- Volkswagen Settlement
- Best Practices
- Identification of Point Sources and Mitigation
- Business Community
- Policy, Advocacy, Funding



# Communications Strategy: Progress to Date

- Breathe Today, SA Tomorrow
- SA Climate Ready
- Develop Departmental **Ozone Action Day** Plans
- Clean Air For Kids!



# *Targeted Communications : Master Plan*

- Grassroots Marketing
- Influencer Outreach
- Digital Outreach
- Targeted PSAs
- Public Relations Outreach



**Responsible Parties:** Metro Health and GPA

# Volkswagen Settlement: Progress to Date

## Review Eligible Vehicle Classes:

- Class 4 – 8: Trucks, School Buses, Transit Buses
- Airport Ground-support Equipment
- OS EV Conversion & Infrastructure Deployment Study



# Volkswagen Settlement: Master Plan

## VW Trust Programs:

- CoSA Fleet Replacement
- Light-duty Zero-emission Vehicles and Infrastructure – CPS and OS
- School bus alternative fuel program – EDF and ISDs

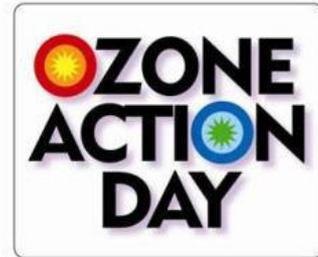
**Responsible Parties:** SAMHD, OS, TCI, CPS, Aviation, and AACOG



# Best Practices: Progress to Date

## CoSA CURRENT INTERNAL OPERATIONS

- Alternative transportation encouragement for CoSA employees
- Fleet Alternative Fuels Vehicle & Emissions Testing
- Anti-Idling Administrative Directive
- ***Ozone Action Day*** Plans
- Solar projects



# Best Practices: Progress to Date

## CoSA CURRENT POLICIES

- Anti-Idling Ordinance
- Business Registration Program
- Coal Tar Sealant Ban
- Tree Ordinance

**BEXAR COUNTY AND CITY OF SAN ANTONIO IDLING RESTRICTIONS:**

**VEHICLES WITH A GROSS VEHICLE WEIGHT RATING GREATER THAN 14,000 POUNDS MAY NOT IDLE FOR MORE THAN FIVE MINUTES (30 MINUTES FOR BUSES) WITHIN BEXAR COUNTY OR THE CITY OF SAN ANTONIO.**

**WITHIN THE CITY OF SAN ANTONIO CITY LIMITS, NO DRIVER USING THE VEHICLE'S SLEEPER BERTH MAY IDLE THE VEHICLE:**

- in a school zone;
- within 1,000 feet of a public school during its hours of operation;
- within 1,000 feet of a hospital; or
- in a residential area.

**VIOLATIONS IN BEXAR COUNTY OR THE CITY OF SAN ANTONIO ARE A CLASS C MISDEMEANOR. THE PENALTY IS \$500 PER OFFENSE.**

- Idling wastes money: Idling may consume a gallon of fuel or more per hour.
- Idling threatens health: Breathing vehicle emissions increases the risk of respiratory illness, especially in children.
- Idling pollutes: Emissions from vehicles combine in sunlight to form ground level ozone pollution.

**EXAMPLES OF WASTEFUL IDLING:**

- Waiting in line.
- Engine warming - today's vehicles warm up faster being driven.
- Sitting in vehicle during lunch breaks, to complete paperwork or make phone calls.

**HOW TO REDUCE IDLING:**

The Alamo Area Clean Cities program can provide drivers technical assistance on alternative technologies to allow drivers to be comfortable and safe while saving money and reducing harmful emissions. Some technologies include:

- Automatic engine shut-down and start-up.
- Battery Power.
- Auxiliary power units and generator sets.
- Truck stop electrification.

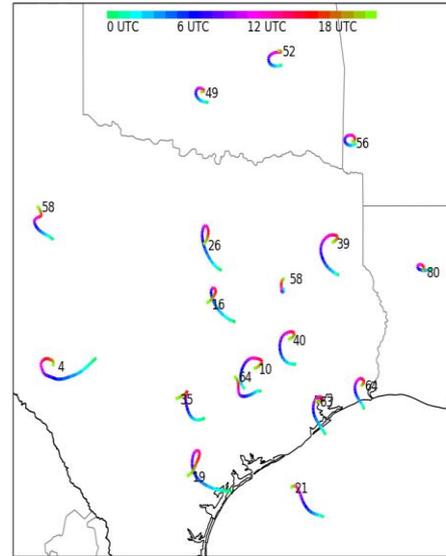
ALAMO AREA CLEAN CITIES  
BEXAR COUNTY  
CITY OF SAN ANTONIO

# Best Practices: Master Plan

Best Practice – Master Plan	Responsible Parties
Reduce Automobile Idling	City Council
Telecommuting	City Manager
Flexible Work Schedules	City Manager
Bus- and Van-pool Programs	City Manager
Community-wide Education	Metro Health, OS, & GPA
CoSA/VIA Mass-Transit Collaboration	VIA

# ID Point Sources and Mitigation: Progress to Date

- Dr. Jeffries Research and Findings
- Air Pollution Control Program
- TCEQ data compiled using GIS
- Request for Information



**Rotating Winds in  
Upper Air Current in Texas**

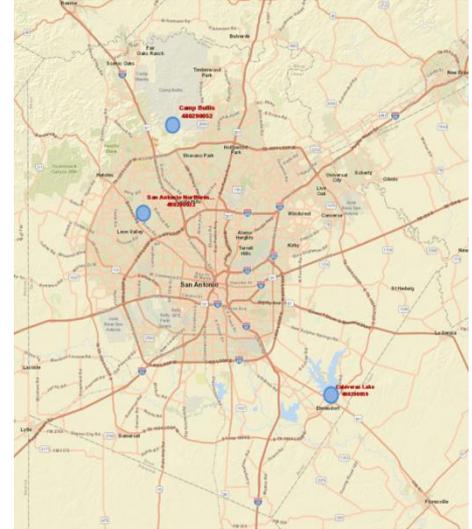


**Air Monitoring Site,  
Calaveras Lake C59**

# ID Point Sources and Mitigation: Master Plan

- Request for Proposal
- Air Pollution Control Program
- ITSD will update using GIS
- Dr. Jeffries' report out 2019

**Responsible Parties:** SAMHD, Consultants,  
Local Businesses



# Business Community: Progress to Date

## **Business meetings:**

- July 26, 2018 – Dr. Jeffries presentation to businesses
- October 17, 2018 – Ozone Q&A for businesses
- February 11, 2019 – Meeting hosted by Metro Health

## **Local Control Strategy Analysis:**

- November 27, 2018 – AACOG Inter-local Agreement meeting

# Business Community: Progress to Date

## Six Selected Control Strategies for AACOG Photochemical Modeling

1. Significant Point Source Reduction on High Ozone Days
2. VW Funding for School Buses
3. Telecommuting
4. Open Burning Restrictions
5. VW Funding for Transit and Shuttle Buses
6. Anti-Idling for Diesel Equipment Vehicles

**Responsible Parties:** Metro Health, OS, TCI, and Bexar County



# Business Community: Master Plan

1. Expand Business Stakeholder Ozone Attainment Meeting Group
  - a. Led by Business Community
  - b. Identify Voluntary Actions
2. Educate Employees About Ozone
  - a. Led by Ozone Attainment Team
  - b. Similar to CoSA activities
3. Pilot - Anti-Idling Diesel Construction Equipment



**Responsible Parties:** Metro Health, TCI, Bexar County

# Policy, Advocacy and Funding: Progress to Date

- Air Pollution Ordinance
- Anti-Idling Ordinance
- Provide Letters of Advocacy to Local, State, and Federal Agencies
- Allocated Funding for Point Source RFP, Ozone Staff, Targeted Communications and EV Deployment Study



# Policy, Advocacy and Funding: Master Plan

- Educate CoSA Employees
- Increase Participation in Business Registration Program
- Advocate for Positive Legislation/against roll backs
- Research for Ongoing Funding and Local Match Dollars

**Responsible Parties:** City Council, SAMHD, GPA, Partners, AAMPO, Local Businesses



# Next Steps

- Move Ozone Master Plan to A Session in May 2019
- Final 2019 Report to City Council in November B Session
- Final 2020 Report at the end of 2020





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