

Dallas Air Quality Program Update

Environment & Sustainability Committee

Paul White II
Senior Program Manager
Office of Environmental
Quality & Sustainability

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City of Dallas

Overview

- Background
- Local Air Quality Programs
- Alternative Commute Program
- Clean Air Action Day
- Next Steps



Background

- City has managed local air quality monitoring and compliance for over 25 years
- Office of Environmental Quality and Sustainability (EQS) manages programs under TCEQ Grants:
 - Ambient Air Monitoring Program (AAMP) (\$755,602)
 - Air Compliance Program (ACP) (\$505,117)



Hinton Air Monitoring Station

Background, Continued

- EQS also performs air monitoring under the federal Department of Homeland Security BioWatch Program (\$475,000)
- 100% Grant Funded
- The DHS BioWatch Program established in 2003 to provide early warning of a bioterrorist attack in more than 30 major metropolitan areas
- Part of City's AAMP Program



Air Compliance Program (ACP)

- Air Compliance Program operates under a four-year grant agreement with the TCEQ approved by City Council in FY17-18
- Activities under this program:
 - Enforce state air quality rules
 - Inspect local industrial facilities
 - Investigate sources of gasoline vapors
 - Respond to 311 complaints (222 in FY18-19)
 - Review air permit applications (425 active air permits)
 - Inspect permitted facilities inspections (348 in FY18-19)

5

Ambient Air Monitoring Program (AAMP)

- Ambient Air Monitoring Program (AAMP) created to monitor the air we breathe for harmful pollutants, verify Clean Air Act compliance, and provide regional air quality data
- 80% of AAMP costs are funded by State and Federal Grants



Kay Bailey Hutchinson Convention Center

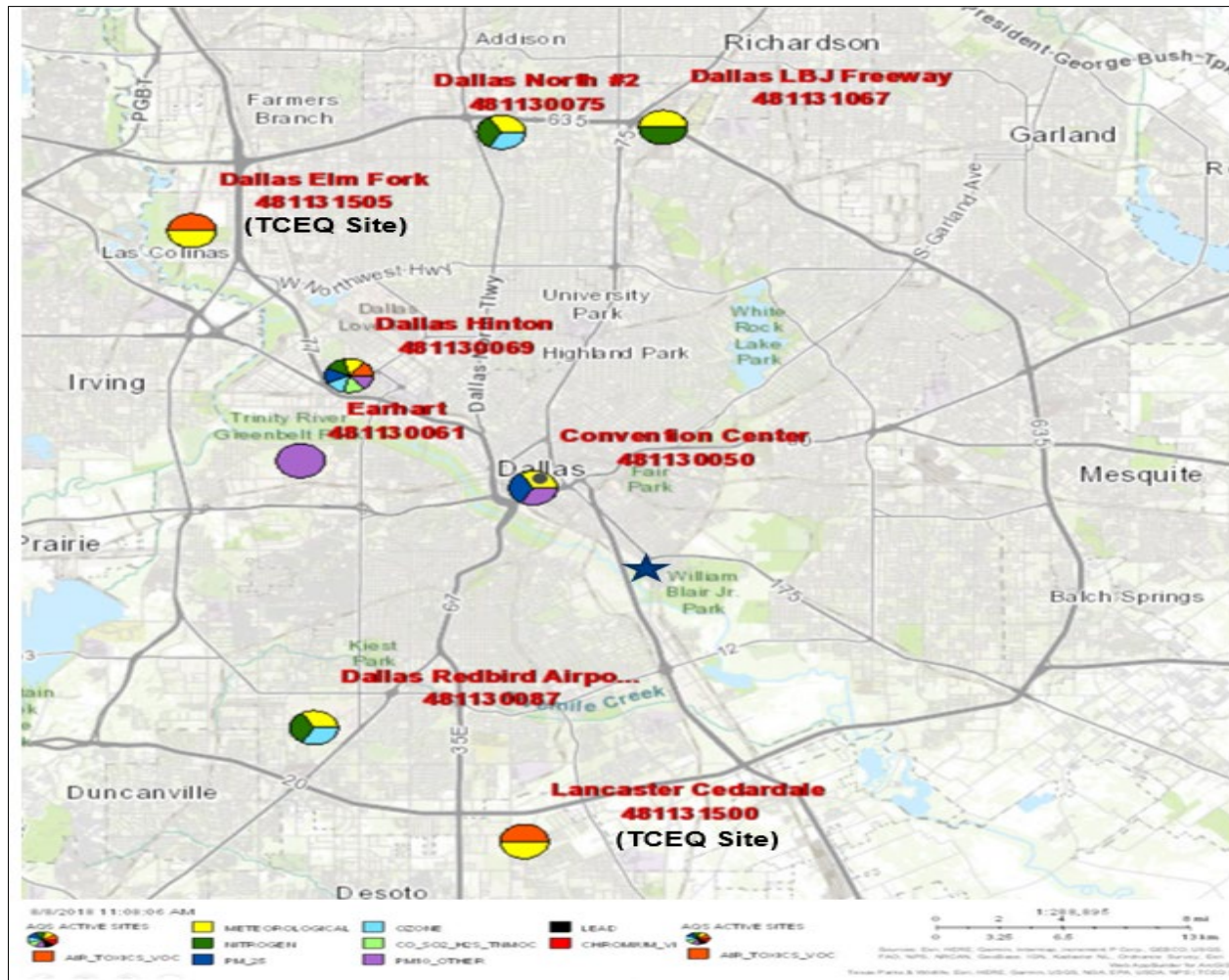
6

Ambient Air Monitoring Program

- Common criteria air pollutants monitored include:
 - Ozone
 - Particulate Matter
 - Carbon monoxide
 - Nitrogen Oxides
- Seven air monitors are strategically located throughout the City
(1 monitor is located in City of Rockwall)



Air Monitor Site Map



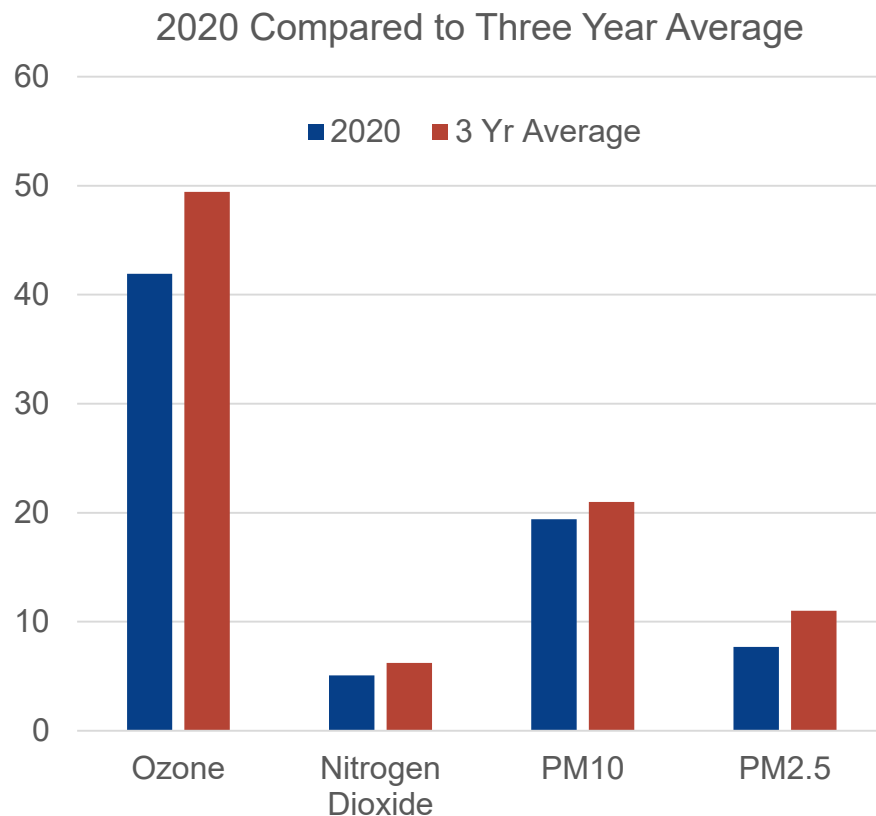
Ambient Air Monitoring Program Addition

New South Dallas Site!

- The City has EPA and TCEQ approval to install PM10 and PM2.5 air monitors in the Southern Sector of Dallas near I-45 Industrial Corridor
- The location will help monitor particulate matter coming from concrete batch plants and other industrial businesses



Emissions Reductions From COVID 19 Shutdown



- Ozone levels are 15% lower in Dallas in March and April 2020 than the previous three years
- NO₂ levels are down 18%
- PM₁₀ levels are 8% lower
- PM_{2.5} levels are 30% lower

Advantages of EQS Local Air Programs

- More frequent local inspections which encourages compliance
- Faster response times to complaints and quicker resolution
- In-house EQS professionals responsible for quality air data that is essential to Clean Air Act compliance and planning
- Maintain productive relationship with state and federal government

11

Related Air Quality Outreach Programs

- Alternative Commute (Try Parking It)
- Clean Air Action Day
- Breathe Easy Dallas
- CECAP





TELECOMMUTING?

Be counted for helping to improve Air Quality by participating in these Try Parking It Telecommute Challenges!

HELP RAISE \$1,000 FOR THE NORTH TEXAS FOOD BANK.

Try Parking It will donate \$1,000 to the North Texas Food Bank once we reach 2,000 telecommutes. Record your telecommutes for May at www.TryParkingIt.com

WE WANT TO SEE YOUR WORK-FROM-HOME SPACE!

Send us a picture of your work-from-home space, and you will be automatically entered into a raffle for a surprise gift!

Record your telecommutes through May 31.
Send your pictures to Brittany.Hailey@dallascityhall.com.

Contact Kevin.Overton@dallascityhall.com or Brittany.Hailey@dallascityhall.com for more info.

12

Alternative Commute Program

- Reduces pollution and traffic congestion and saves commuters money
- Encourages City employees to rideshare and use alternative methods for commuting to work
- Employees can track their commutes through “Try Parking It” website



13

Clean Air Action Day

- Clean Air Action Day (CAAD) highlights air quality issues and actions
- CAAD celebrated on City Hall Plaza, Pegasus Plaza, and last year at Paul Quinn College
- 2020 CAAD has been delayed until August 5th due to COVID



Air Quality Program Recognition

- Arlo Ambassador Award 2016, 2017, & 2018 (Air North Texas)
- Outstanding Outreach 2017 (Air North Texas)
- Outstanding Initiative 2019 (Air North Texas)
- Try Parking It Champions to Brittany Hailey and Kevin Overton 2019 (NCTCOG)
- Silver Fleet Recognition 2018 & 2019 (Clean Cities Coalition)
- Green Power Partnership Recognition 2019 (EPA)





CECAP GOAL 8: ALL DALLAS' COMMUNITIES BREATHE CLEAN AIR

Objectives

- Take a comprehensive approach to addressing air quality at the neighborhood level

Targets

- Increase energy efficiency of existing buildings or facilities
- Reduce trips where people drive alone
- Synergize jobs and housing with transportation infrastructure to increase access to walking and biking options, and public transit
- Increase, enhance and maintain healthy forests, parks, and green spaces, that improve air quality
- Operate a clean, green and efficient waste system

16

Next Steps

- Continue to track and review regulatory developments
- Use data to assess air quality trends
- Maintain City programs and develop additional options to improve air quality

Questions and Comments

18

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