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### City of Dallas

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1500 Marilla Street, Room 6ES Dallas, Texas 75201 BITY SECRETARY DALLAS, TEXAS



### **Environment and Sustainability Committee**

June 1, 2020 9:00 AM

> Public Notice 2 0 04 4 9

POSTED CITY SECRETARY DALLAS, TX

The Environment and Sustainability Committee meeting will be held by videoconference. The meeting will be broadcast live on Spectrum Cable Channel 95 and on line at <a href="mailto:bit.ly/cityofdallastv">bit.ly/cityofdallastv</a>.

The public may also listen to the meeting as an attendee at the following videoconference link: https://dallascityhall.webex.com/dallascityhall/onstage/g. php? MTID=e1e4441f6442601de61eb38c6885015a8

### 2020 CITY COUNCIL APPOINTMENTS

COUNCIL COMMITTEE		
ECONOMIC DEVELOPMENT	ENVIRONMENT AND SUSTAINABILITY	
Atkins (C), Blewett (VC), Gates, McGough, Narvaez,	Narvaez (C), Atkins (VC), Blackmon, Blewett, Gates	
Resendez, West		
GOVERNMENT PERFORMANCE AND FINANCIAL	HOUSING AND HOMELESSNESS SOLUTIONS	
MANAGEMENT	West (C), Thomas (VC), Arnold, Blackmon, Kleinman,	
Gates (C), Mendelsohn (VC), Arnold, Bazaldua,	Mendelsohn, Resendez	
Kleinman, Narvaez, Thomas		
PUBLIC SAFETY	QUALITY OF LIFE, ARTS, AND CULTURE	
McGough (C), Arnold (VC), Bazaldua, Blewett,	Arnold (C), Gates (VC), Atkins, Narvaez, West	
Medrano, Mendelsohn, Thomas		
TRANSPORTATION AND INFRASTRUCTURE	WORKFORCE, EDUCATION, AND EQUITY	
Kleinman (C), Medrano, (VC), Atkins, Bazaldua,	Thomas (C), Resendez (VC), Blackmon, Kleinman,	
Blewett, McGough, West	Medrano	
AD HOC JUDICIAL NOMINATING COMMITTEE	AD HOC LEGISLATIVE AFFAIRS	
McGough (C), Blewett, Mendelsohn, Narvaez, West	Johnson (C), Blackmon (VC), Atkins, Gates,	
	Mendelsohn	
AD HOC COMMITTEE ON COVID-19 ECONOMIC	AD HOC COMMITTEE ON COVID-19 HUMAN AND	
RECOVERY AND ASSISTANCE	SOCIAL RECOVERY AND ASSISTANCE	
Thomas (CC <sub>P</sub> ), Blackmon (CC), Atkins, Bazaldua,	McGough (CC <sub>P</sub> ), Mendelsohn (CC), Arnold, Blewett,	
Kleinman, Medrano, West	Gates, Narvaez, Resendez	

(C) - Chair, (CC) - Co-chair, (CC<sub>P</sub>) - Co-Chair & Presiding Officer, (VC) - Vice Chair

### <u>Handgun Prohibition Notice for Meetings of Governmental Entities</u>

"Pursuant to Section 30.06, Penal Code (trespass by license holder with a concealed handgun), a person licensed under Subchapter H, Chapter 411, Government Code (handgun licensing law), may not enter this property with a concealed handgun."

"De acuerdo con la sección 30.06 del código penal (ingreso sin autorización de un titular de una licencia con una pistola oculta), una persona con licencia según el subcapítulo h, capítulo 411, código del gobierno (ley sobre licencias para portar pistolas), no puede ingresar a esta propiedad con una pistola oculta."

"Pursuant to Section 30.07, Penal Code (trespass by license holder with an openly carried handgun), a person licensed under Subchapter H, Chapter 411, Government Code (handgun licensing law), may not enter this property with a handgun that is carried openly."

"De acuerdo con la sección <u>30.07</u> del código penal (ingreso sin autorización de un titular de una licencia con una pistola a la vista), una persona con licencia según el subcapítulo h, capítulo 411, código del gobierno (ley sobre licencias para portar pistolas), no puede <u>ingresar</u> a esta propiedad con una pistola a la vista."

#### Call to Order

#### **MINUTES**

A 20-1113 Approval of the May 4, 2020 Environmental and Sustainability Committee

Minutes

**Attachments:** Minutes

### **BRIEFING ITEMS**

B 20-1110 Regional Air Quality Update

[Lori Clark, Program Manager & DFW Clean Cities Coordinator, North

Central Texas Council of Governments]

<u>Attachments:</u> Presentation

C <u>20-1112</u> Dallas Air Quality Program Update

[Paul White, Senior Program Manager, Office of Environmental Quality &

Sustainability]

**Attachments:** Presentation

**BRIEFING MEMORANDUM** 

D 20-1108 Implementation of the 2019 Brush and Bulk Ordinance

<u>Attachments:</u> <u>Memorandum</u>

#### <u>ADJOURNMENT</u>

#### **EXECUTIVE SESSION NOTICE**

A closed executive session may be held if the discussion of any of the above agenda items concerns one of the following:

- 1. seeking the advice of its attorney about pending or contemplated litigation, settlement offers, or any matter in which the duty of the attorney to the City Council under the Texas Disciplinary Rules of Professional Conduct of the State Bar of Texas clearly conflicts with the Texas Open Meetings Act. [Tex. Govt. Code §551.071]
- 2. deliberating the purchase, exchange, lease, or value of real property if deliberation in an open meeting would have a detrimental effect on the position of the city in negotiations with a third person. [Tex. Govt. Code §551.072]
- 3. deliberating a negotiated contract for a prospective gift or donation to the city if deliberation in an open meeting would have a detrimental effect on the position of the city in negotiations with a third person. [Tex. Govt. Code §551.073]
- 4. deliberating the appointment, employment, evaluation, reassignment, duties, discipline, or dismissal of a public officer or employee; or to hear a complaint or charge against an officer or employee unless the officer or employee who is the subject of the deliberation or hearing requests a public hearing. [Tex. Govt. Code §551.074]
- 5. deliberating the deployment, or specific occasions for implementation, of security personnel or devices. [Tex. Govt. Code §551.076]
- 6. discussing or deliberating commercial or financial information that the city has received from a business prospect that the city seeks to have locate, stay or expand in or near the city and with which the city is conducting economic development negotiations; or deliberating the offer of a financial or other incentive to a business prospect. [Tex Govt. Code §551.087]
- 7. deliberating security assessments or deployments relating to information resources technology, network security information, or the deployment or specific occasions for implementations of security personnel, critical infrastructure, or security devices. [Tex Govt. Code §551.089]

## **Environmental and Sustainability Committee Meeting Record**

The Quality of Life, Arts & Culture Committee meetings are recorded. Agenda materials are available online at <a href="https://www.dallascityhall.com">www.dallascityhall.com</a>.

Meeting Date: May 4, 2020 Convened: 9:04 a.m. Adjourned: 11:09 a.m.

**Committee Members Present:** 

**Committee Members Absent:** 

Omar Narvaez, Chair Tennell Atkins, Vice Chair Paula Blackmon David Blewett Jennifer S. Gates

**Other Council Members Present:** 

#### Presenters:

James McGuire, Director, Office of Environmental Quality & Sustainability Susan Alvarez, Assistant Director, Office of Environmental Quality & Sustainability Claire Bonham-Carter, AECOM, Vice President, Director of Sustainable Development Design and Planning Tatum Lau, AECOM, Senior Urban Designer

#### **AGENDA**

Call to Order (9:04 a.m.)

A. Approval of the March 2, 2020 Environmental and Sustainability Committee Minutes

Presenter(s): Omar Narvaez, Chair

**Action Taken/Committee Recommendation(s):** A motion was made to approve the minutes for the March 2, 2020 Environmental and Sustainability Committee meeting.

Motion made by: David Blewett

Item passed unanimously: X

Item failed unanimously:

Motion seconded by: Tennell Atkins

Item passed on a divided vote:

Item failed on a divided vote:

B. Comprehensive Environmental & Climate Action Plan: The Process, the Plan, and Benefits to Dallas Presenter(s): James McGuire, Director, Office of Environmental Quality & Sustainability; Susan Alvarez, Assistant Director, Office of Environmental Quality & Sustainability; Claire Bonham-Carter, AECOM, Vice President, Director of Sustainable Development Design and Planning; Tatum Lau, AECOM, Senior Urban Designer

Action Taken/Committee Recommendation(s): The Committee discussed: How OEQS would implement many of these goals with the set budget and the number of staff assigned to this program. The alignment of CECAP with the Comprehensive Housing Policy with program and the alignment of goals with the Department of Housing, Economic Development and the Office of Homeless Solutions. The measurement of how effective the plan would be and how it would be monitored. The difference between the Advisory Committee and the Environmental Commission. The importance of the balance of education and cost effectiveness for businesses. A motion to move the CECAP item forward for a Council vote on May 27, 2020 was made by Councilmember Blackmon and seconded by Councilmember Atkins.

Motion made by: Paula Blackmon Item passed unanimously: X Item failed unanimously:

Motion seconded by: Tennell Atkins Item passed on a divided vote: Item failed on a divided vote:

**C.** Closed Session – Attorney Briefings (Sec. 551.071 T.O.M.A.) - Marsha Jackson v. Blue Star Recycling, LLC, et al. Civil Action No. 3:20-CV-00967-M; City of Dallas v. Blue Star Recycling, et al. Cause No. DC-18-18651.

Adjourn (11:09 a.m.)

**APPROVED BY:** 

ATTESTED BY:

Omar Narvaez, Chair Environment & Sustainability Committee

Juan Garcia, Coordinator Environment & Sustainability Committee

## REGIONAL AIR QUALITY UPDATE

Lori Clark, Program Manager & DFW Clean Cities Coordinator Air Quality Planning & Operations, NCTCOG Transportation Department

June 1, 2020

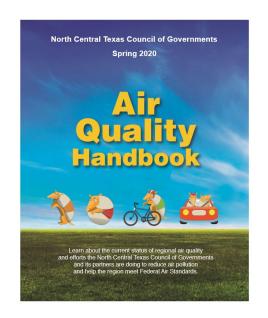


### REGIONAL AIR QUALITY EFFORTS

Obligation Associated with Clean Air Act: Environmental Protection Agency (EPA) Nonattainment Designation for Ozone

2008 Ozone Standard: 75 parts per billion (ppb)

2015 Ozone Standard: 70 ppb

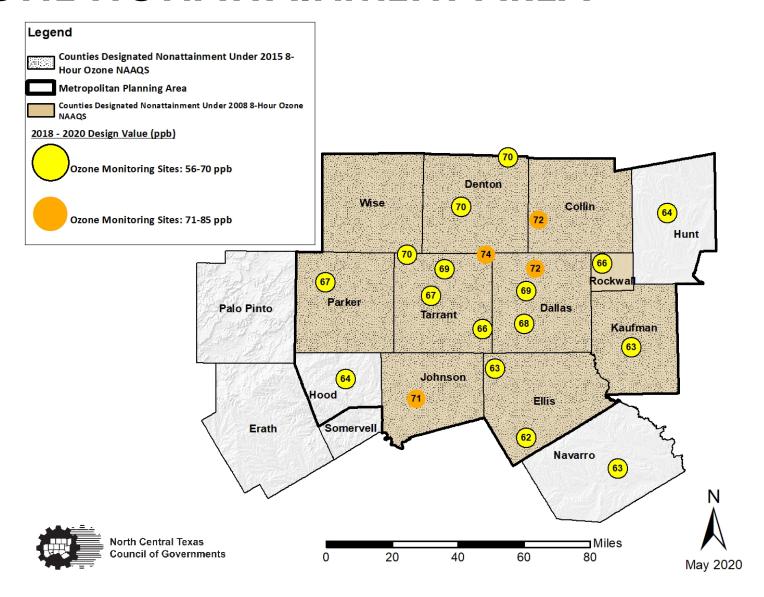


### Regional Concerns:

Air Quality/Health Task Force

Regional Integration of Sustainability Efforts (RISE)

### DFW OZONE NONATTAINMENT AREA

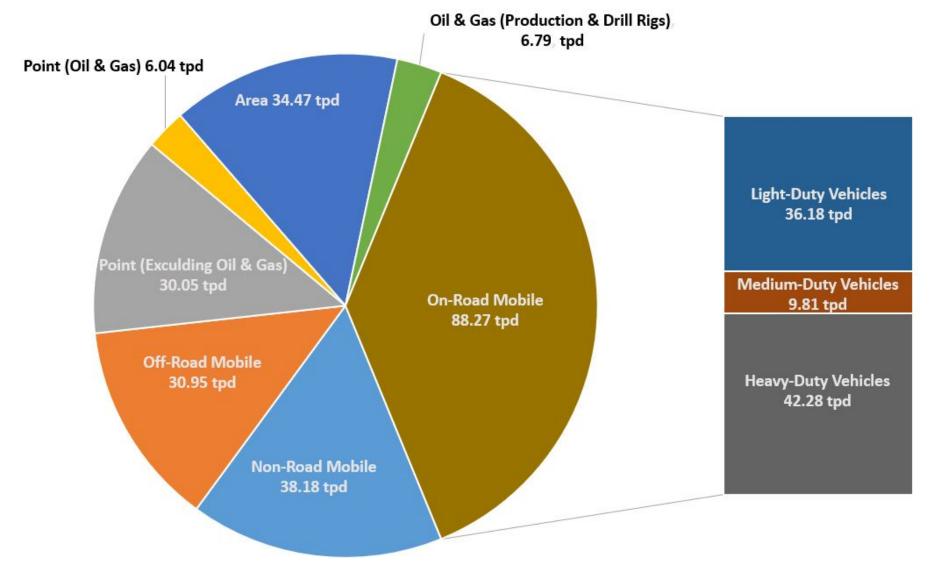


Colors represent Air Quality Index breakpoints

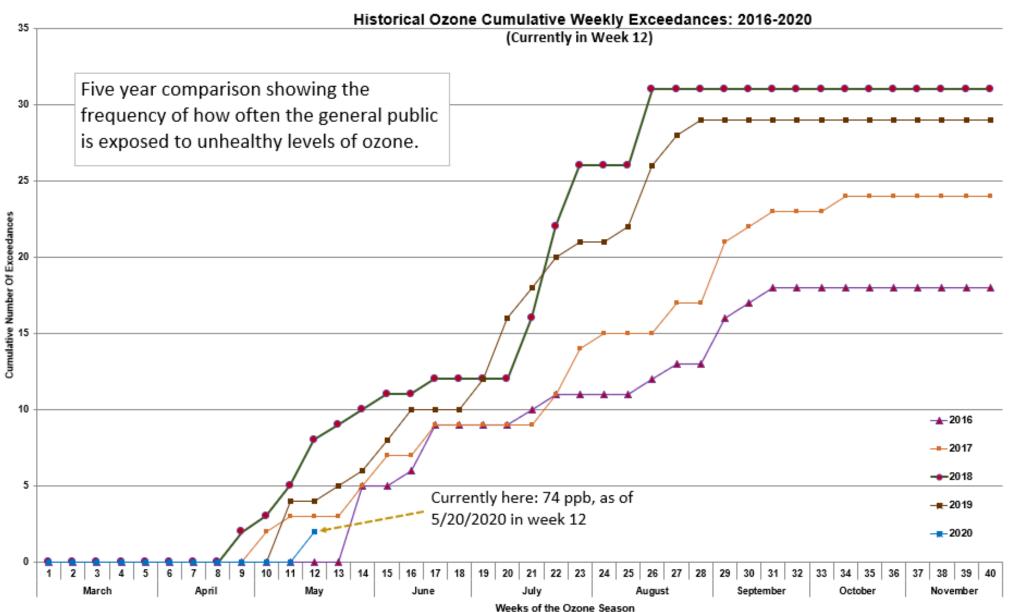
Attainment Goal - According to the US EPA National Ambient Air Quality Standards, attainment is reached when, at each monitor, the three-year average of the annual fourth-highest daily maximum eight-hour average ozone concentration is less than or equal to 70 parts per billion (ppb).

## NITROGEN OXIDES (NO<sub>X</sub>) EMISSION SOURCES

Total Nitrogen Oxides  $(NO_X) = 234.75$  tons per day (tpd)

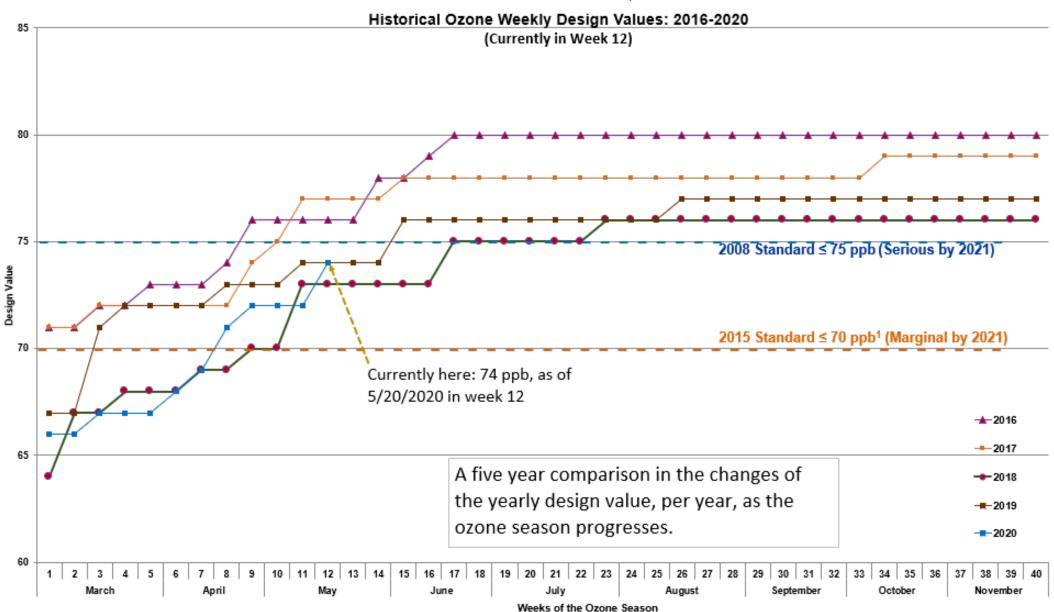


## **CUMULATIVE OZONE EXCEEDENCES, 2016-2020**



Data Source: Texas Commission on Environmental Quality
Data Analysis: North Central Texas Council of Governments

### WEEKLY OZONE DESIGN VALUES, 2016-2020



Data Source: Texas Commission on Environmental Quality Data Analysis: North Central Texas Council of Governments

### ANNUAL OZONE COMPARISON DURING COVID-19

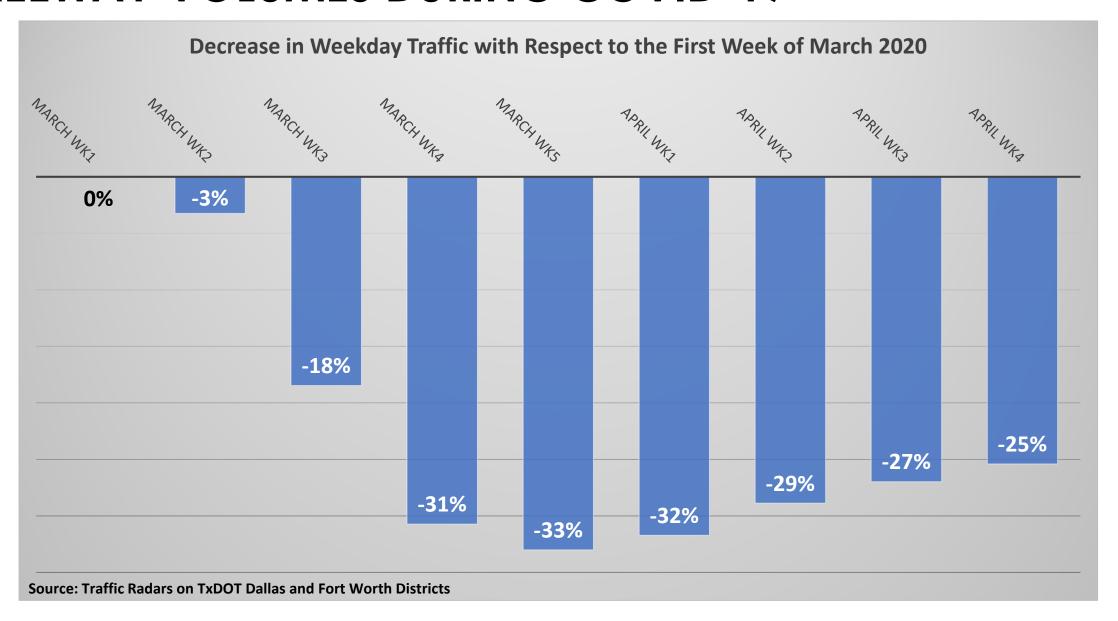
North Centra	l Texas Ozone	Comparison
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		3 Year Design Value		
	2017	2018	2019	2020*
March	2 yellow days	8 yellow days	10 yellow days	3 yellow days
	High: 62 at Eagle Mtn Lake	High: 63 at Denton	High: 66 at Cleburne	High: 64 at Pilot Point
April	10 yellow days	16 yellow days	12 yellow days	8 yellow days
	High: 68 at Dallas Hinton	2 orange days	High: 69 at Greenville	High: 69 at Rockwall
		High: 81 at Dallas North		High: 69 at Grapevine
		High: 81 at Dallas Hinton		
May	15 yellow days	9 yellow days	6 yellow days	8 yellow days
	5 orange days	6 orange days	5 orange days	1 orange day
	High: 80 at Dallas North	2 red days	High: 80 at Pilot Point	1 red day
	High: 80 at Dallas Hinton	High: 92 at Eagle Mtn Lake		High: 86 at Grapevine Fairway

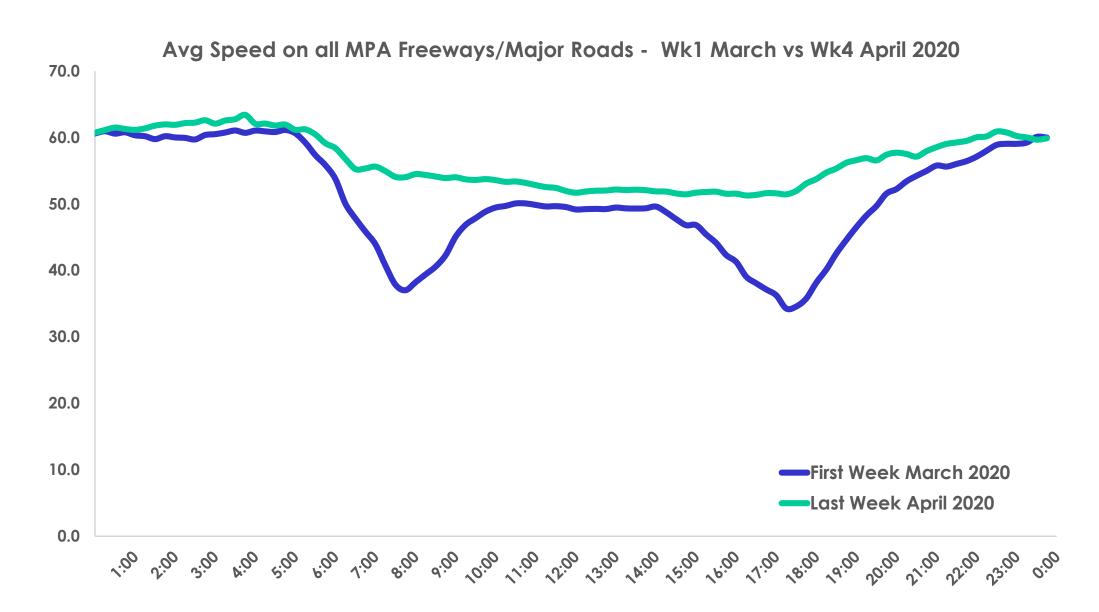
Data Source: TCEQ
Data Analysis: NCTCOG

<sup>\*</sup> as of May 21, 2020. At this time last year (May 21, 2019), there were five Yellow days and four Orange Exceedance days.

### FREEWAY VOLUMES DURING COVID-19

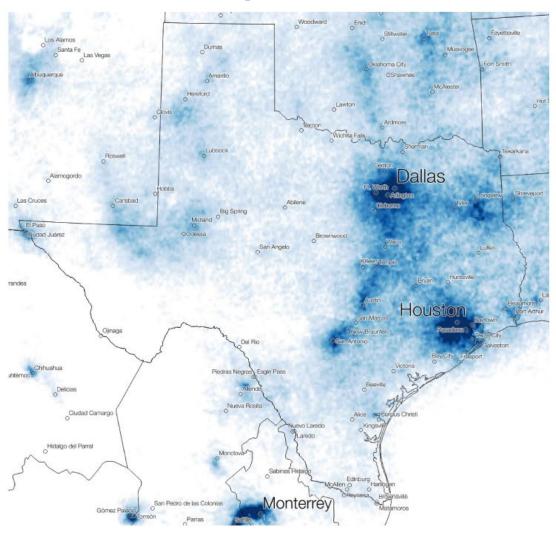


### **AVERAGE SPEED BY TIME OF DAY DURING COVID-19**

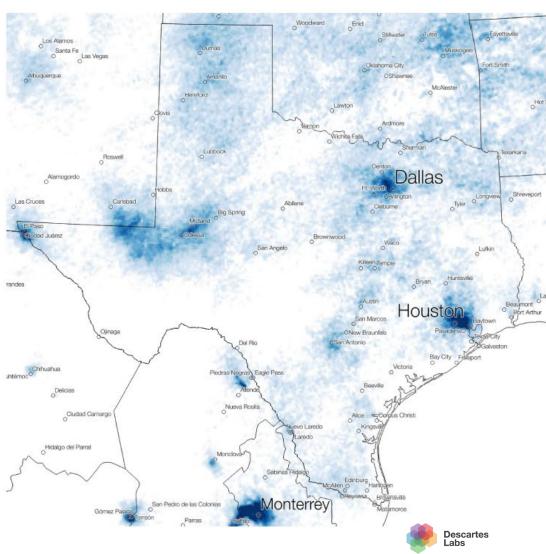


## REGIONAL NO<sub>2</sub> TRACKING

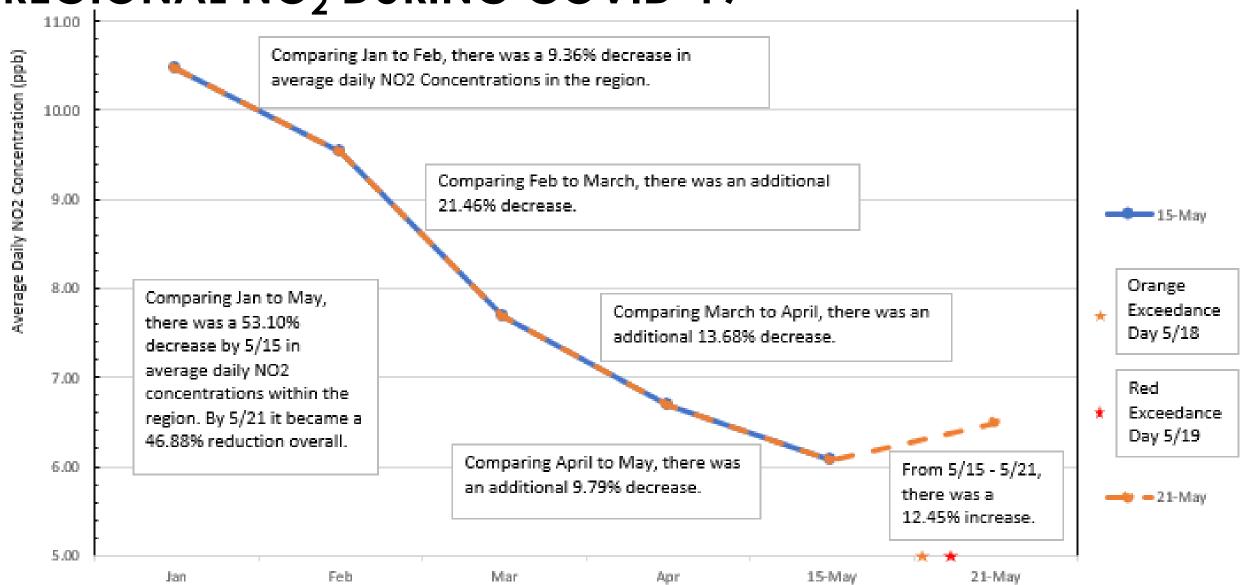
### February 2020



### Week of March 29, 2020



REGIONAL NO<sub>2</sub> DURING COVID-19



Data Source: Texas Commission on Environmental Quality Data Analysis: North Central Texas Council of Governments Updated 5/21/2020

### **REGIONAL AIR QUALITY IMPACTS DURING COVID-19**

**Reduced Vehicle Emissions** 

Lowest Frequency of High-Level, Unhealthy Ozone Exposure Days (prior to exceedances on May 17, 2020)

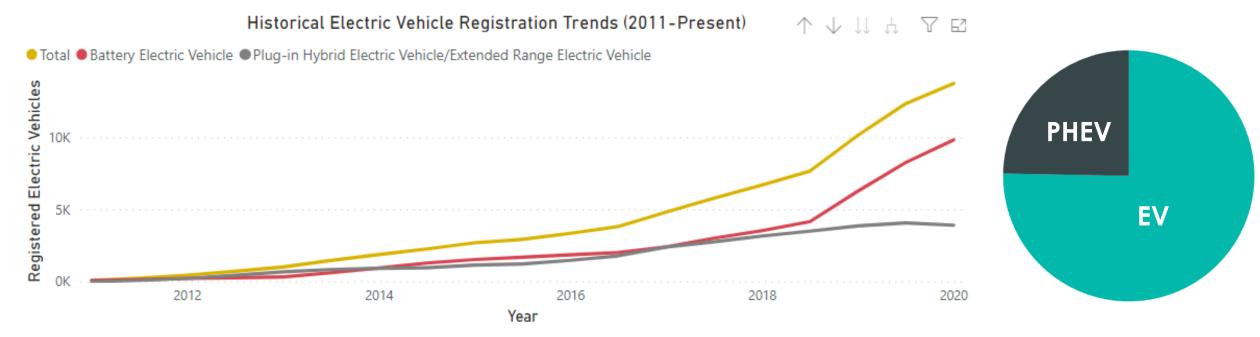
Cleaner Air = Blue(r) Skies

**Positive Health Impacts? (Under Review)** 

How Can We Sustain Impacts? (To be Determined)
Electric and Fuel Cell Vehicles
Travel Demand Management (Telecommuting)

### REGIONAL ELECTRIFICATION TRENDS





May 2020	City of Dallas	North Texas
Registered EVs	2,556	13,539
EVs as % of Registered Vehicles	0.59%	0.51%
EVs Per Capita (per 1000 people)	1.96	1.79

### LOCAL AIR QUALITY PROGRAMS



























































### AIR NORTH TEXAS PUBLIC AWARENESS CAMPAIGN

**Clean Air Action Day** 

**Email Signup for Air Pollution Alerts** 

**Clean Air Corner Blog** 

**Tips on Daily Clean Air Strategies** 

**Parent/Teacher Resources** 

**Partner-Exclusive Resources** 

www.airnorthtexas.org





HOW TO TAKE ACTION

There are several resources and programs available to help North Texans incorporate clean air actions into their routines or organizations. If you can't find what you're looking for below, contact us and we will help point you in the right direction.

Work From Home

About Telecommuting
Log Miles & Money Saved

Carpool
Find Ride Matches & Resources

DART DCTA Trinity Metro
Log Miles & Money Saved

Reduce Idling
Engine Off North Texas

Bicycle or Walk
Bicycling & Walking Routes
Log Miles & Money Saved

Reduce Idling
Engine Off North Texas

Drive a SmartWay Certified Vehicle

Conserve Water
Save North Texas Water

Tips & Resources

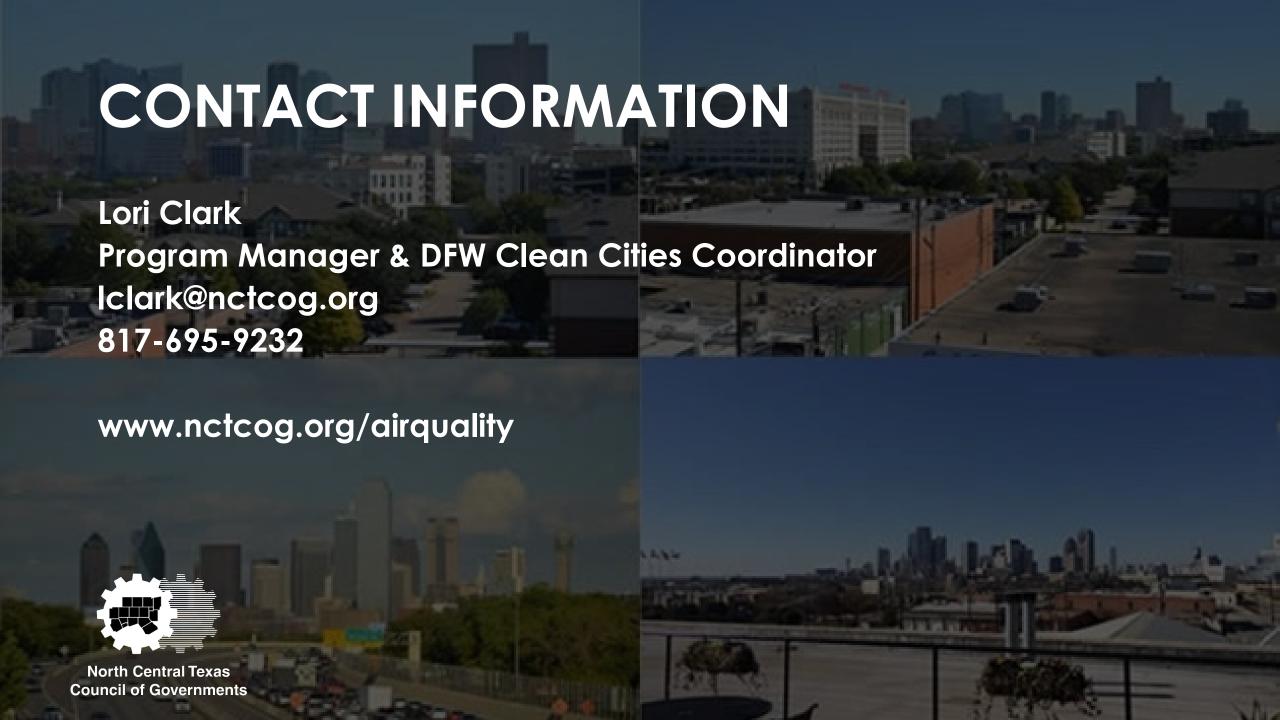
Communicate Alerts
Retrieve Ozone Graphic Codes





- A public awareness campaign that encourages residents of North Texas to make clean air choices
- Composed of a coalition of regional organizations committed to improving the air in North Texas
- Sign up for Air Pollution Alert emails and learn more about the current Air Quality Index

www.airnorthtexas.org



## **Dallas Air Quality Program Update**

**Environment & Sustainability Committee** 

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

June 1, 2020



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** 

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## **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



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## Air Compliance Program (ACP)

- Air Compliance Program operates under a fouryear 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)



## **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

### **Ambient Air Monitoring Program**

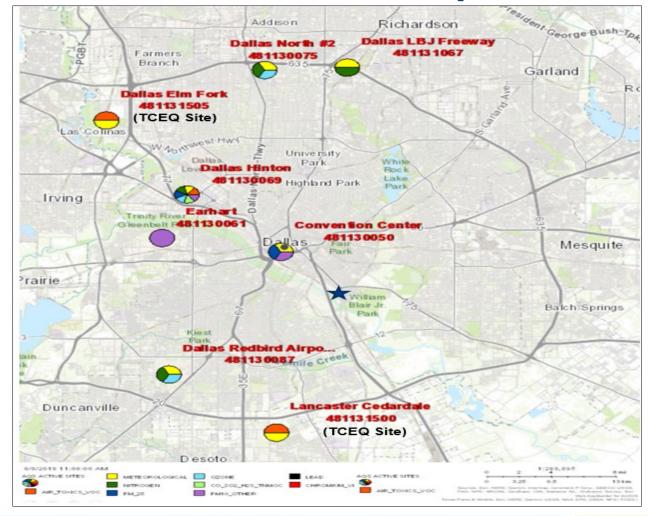
- Common criteria air pollutants monitored include:
  - Ozone
  - Particulate Matter
  - Carbon monoxide
  - Nitrogen Oxides
- Seven air monitors are strategically located throughout the City (1 monitor is located in City of Rockwall)







### **Air Monitor Site Map**





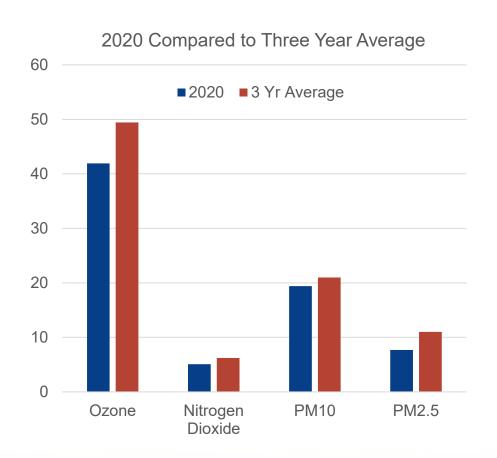
## **Ambient Air Monitoring Program Addition**

### **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
- NO<sub>2</sub> levels are down
   18%
- PM<sub>10</sub> levels are 8% lower
- PM<sub>2.5</sub> 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



## Related Air Quality Outreach Programs

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



Record your telecommutes through May 31.

Send your pictures to Brittany.Hailey@dallascityhall.com.

gift!

2,000 telecommutes.

www.TryParkingIt.com

for May at

Record your telecommutes

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



automatically entered

into a raffle for a surprise

## **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



## **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 5<sup>th</sup> 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

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## **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**



## **Dallas Air Quality Program Update**

**Environment & Sustainability Committee** 

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

June 1, 2020



City of Dallas

### Memorandum



DATE May 27, 2020

TO Honorable Members of the Environment and Sustainability Committee

### **SUBJECT Implementation of the 2019 Brush and Bulk Ordinance**

On June 12, 2019, the City Council approved an ordinance amending Chapter 18, "Municipal Solid Wastes," of the Dallas City Code, establishing collection limits for brush and bulky trash, and additional regulations related to size and placement. These changes were adopted to improve collection timeliness and reduce visual blight in our neighborhoods. The collection limits provision of the ordinance becomes effective on July 1, 2020, and the City is initiating a public awareness campaign to alert residents of the forthcoming changes. Below is a summary of the program changes, the advertising campaign, and implementation plan.

Currently, residential Sanitation customers may place brush and bulky trash curbside for collection once a month with no restrictions on the quantity. Upon adoption of the ordinance last year, two new regulations took effect: brush cuttings may not be greater than 10 feet in length or 8 inches in diameter, and brush/bulk may not be placed within five feet of any standing object or under low hanging tree limbs or power lines.

Effective July 1, 2020, the quantity of a monthly brush and bulky trash set out may not exceed 10 cubic yards, or approximately the equivalent of 10 household range units. Once per year, customers are allowed an oversized collection of up to 20 cubic yards, provided notification is made to the City one week in advance of the scheduled collection via 3-1-1.

Additionally, the new program also includes a "clean curb" collection component that allows for collection of non-compliant set outs with collection fees posted to the dwelling unit's utility bill at a rate of \$60 per five cubic yards, billed in five cubic yard increments. However, Sanitation will work with Code Compliance through September for soft enforcement of the new ordinance. Door hangers will be used to alert residents of non-compliance during this initial period, with fees only assessed to repeat violators. Thereafter, Sanitation crews will measure and photograph non-compliant set outs prior to picking up and billing.

To alert Dallas residents of these changes, Sanitation Services has launched a bilingual public awareness campaign across multiple mediums entitled "Brush Up on Bulk Pickup." Additionally, a website, CurbsideManners.com, has been launched to provide residents with specific information about the program and answers to frequently asked questions. The website also includes a calculator to help residents measure their set out and convert measurements to cubic yards. All campaign materials are being produced in English and Spanish, and all materials direct customers to the website for detailed information. The specific elements of the campaign include:

### Implementation of the 2019 Brush and Bulk Ordinance

- Postcard mailed to all Sanitation residential customers (end of May, beginning of June)
- Utility bill inserts for the month of May
- Radio ads on top stations in the market, including leading urban and LatinX stations, and WRR (end of May through June)
- Print ads in weekly publications (June)
- Programmatic digital ads through Belo and Company (end of May through June)
- Service alert e-mail to Sanitation customers enrolled in e-billing (mid-June)
- Email notifications to homeowners and neighborhood associations (mid-June)
- Messaging on City television stations (June)
- Social media messaging: Facebook, Twitter, Instagram, NextDoor (June)
- Fliers and graphics made available to Council offices (May)

After July 1, 2020, Sanitation will continue an awareness campaign through September to continue messaging the brush/bulk program changes to catch those in the targeted audience that may have missed the initial messaging, and to remind others that may have infrequent set outs.

The new limits on brush and bulky trash are phase one of an incremental approach to improve solid waste collections and neighborhood cleanliness in Dallas. Sanitation will brief the Environment and Sustainability Committee in the coming months on additional proposals to improve the efficiency of Sanitation collections, in line with the City's Local Solid Waste Management Plan and Comprehensive Environmental and Climate Action Plan. Options for on-demand, scheduled collections and separation of bulk and brush will be presented at this time.

If you have questions or require additional information please contact me or Tim Oliver, Interim Director of Sanitation Services.

Joey Zapata

Assistant City Manager

C: Honorable Mayor and Members of the City Council
T.C. Broadnax, City Manager
Chris Caso, City Attorney
Mark Swann, City Auditor
Bilierae Johnson, City Secretary
Preston Robinson, Administrative Judge

Kimberly Bizor Tolbert, Chief of Staff to the City Manager Directors and Assistant Directors Majed A. Al-Ghafry, Assistant City Manager

Jon Fortune, Assistant City Manager
Nadia Chandler Hardy, Assistant City Manager
Dr. Eric A. Johnson, Chief of Economic Development and Neighborhood Services
M. Elizabeth Reich, Chief Financial Officer
Laila Alequresh, Chief Innovation Officer
M. Elizabeth (Liz) Cedillo-Pereira, Chief of Equity and Inclusion
Directors and Assistant Directors