

REGIONAL AIR QUALITY UPDATE

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Department

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North Central Texas
Council of Governments

REGIONAL AIR QUALITY EFFORTS

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

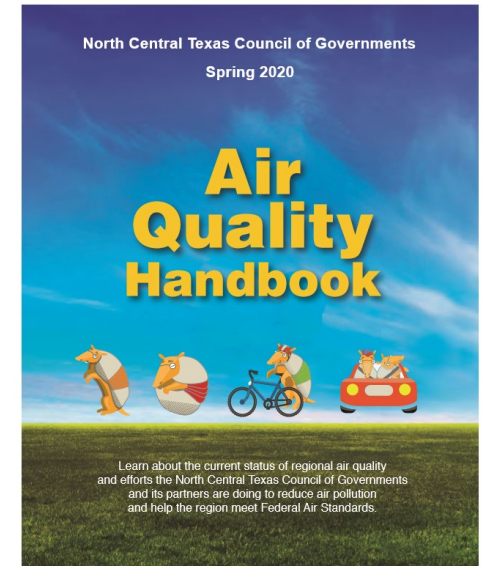
2008 Ozone Standard: 75 parts per billion (ppb)

2015 Ozone Standard: 70 ppb

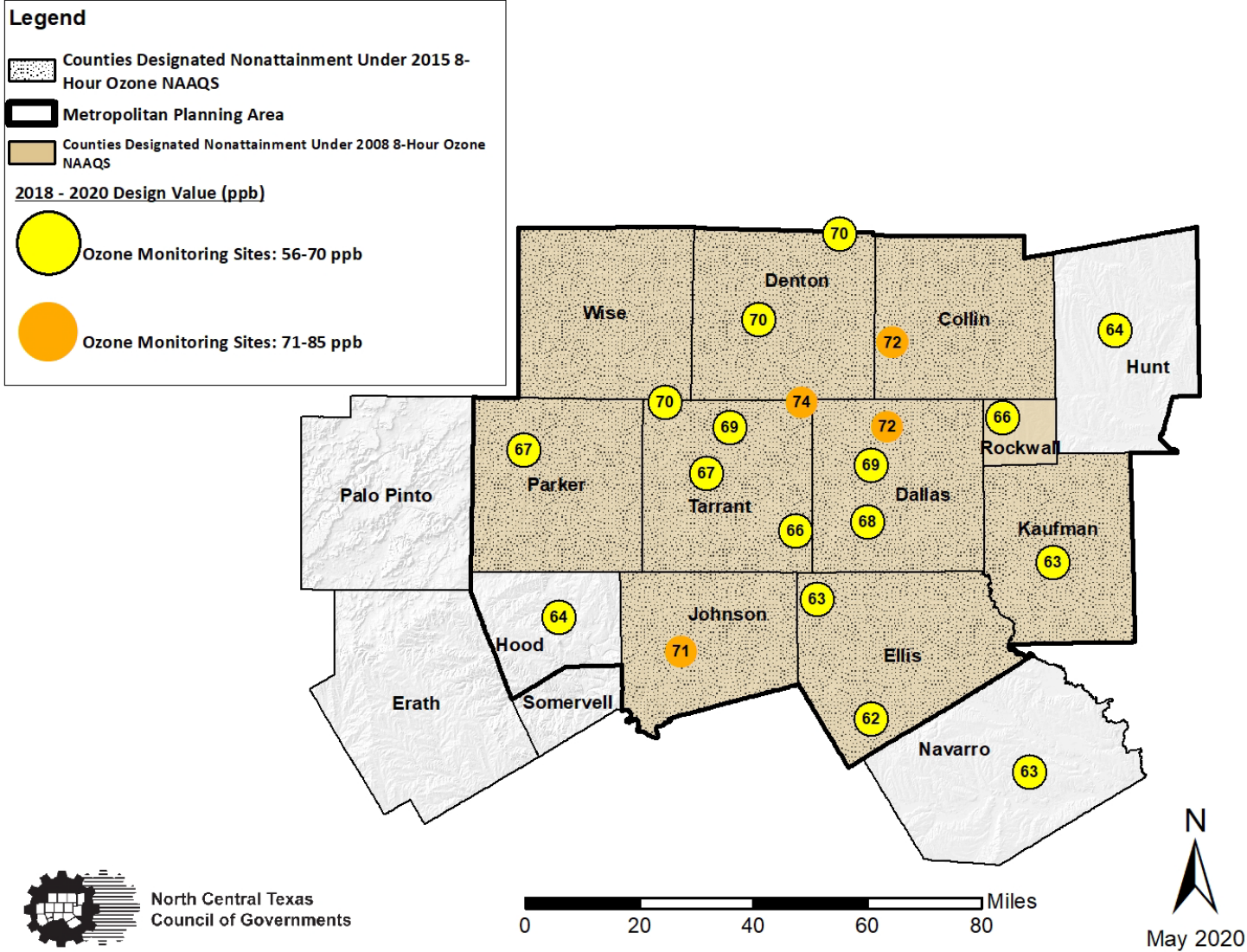
Regional Concerns:

Air Quality/Health Task Force

Regional Integration of Sustainability Efforts (RISE)



DFW OZONE NONATTAINMENT AREA

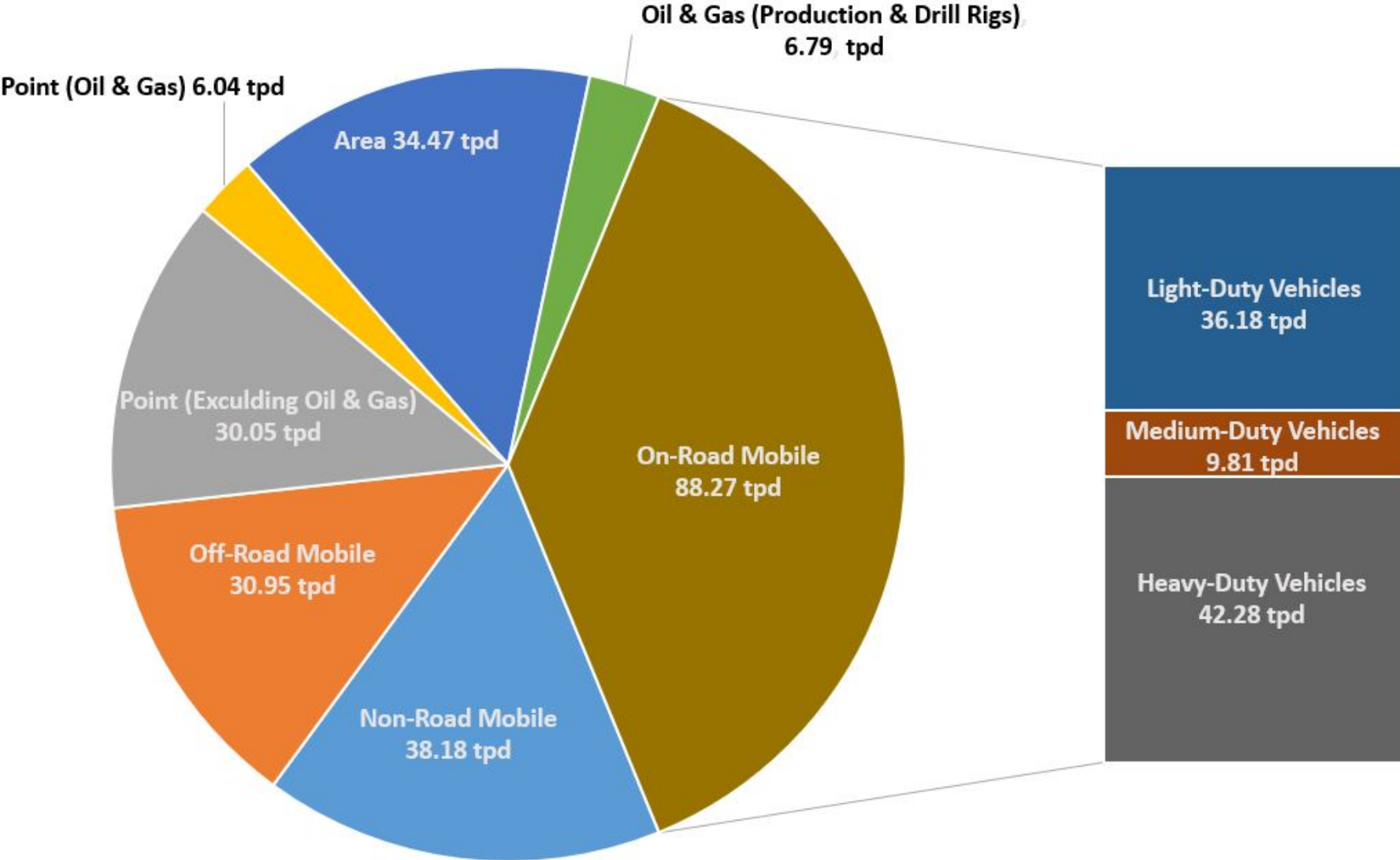


Colors represent Air Quality Index breakpoints

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).

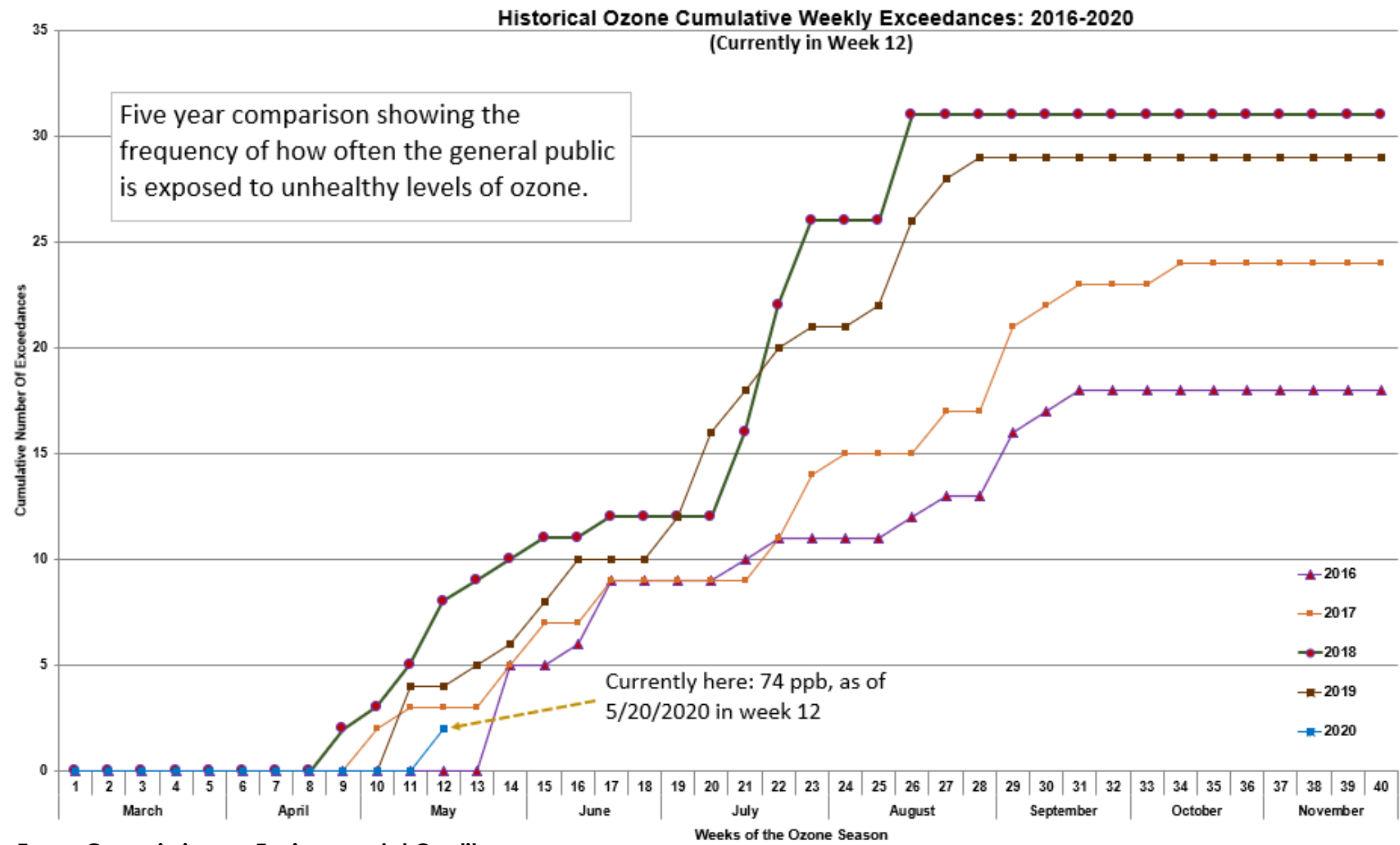
NITROGEN OXIDES (NO_x) EMISSION SOURCES

Total Nitrogen Oxides (NO_x) = 234.75 tons per day (tpd)

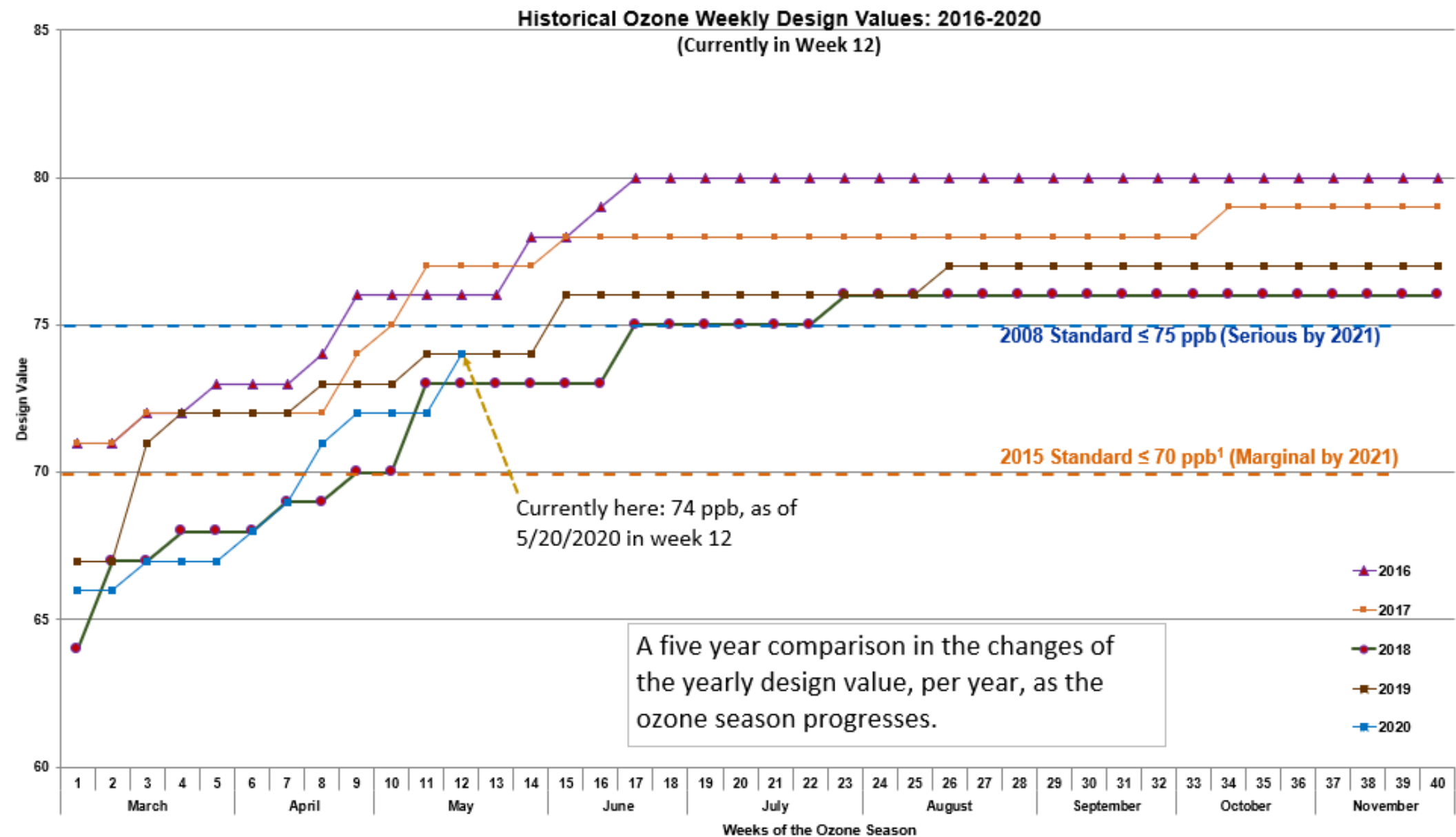


Source: Dallas-Fort Worth Serious Classification Attainment Demonstration State Implementation Plan Revision for the 2008 Eight-Hour Ozone National Ambient Air Quality Standard, September, 2019

CUMULATIVE OZONE EXCEEDENCES, 2016-2020



WEEKLY OZONE DESIGN VALUES, 2016-2020



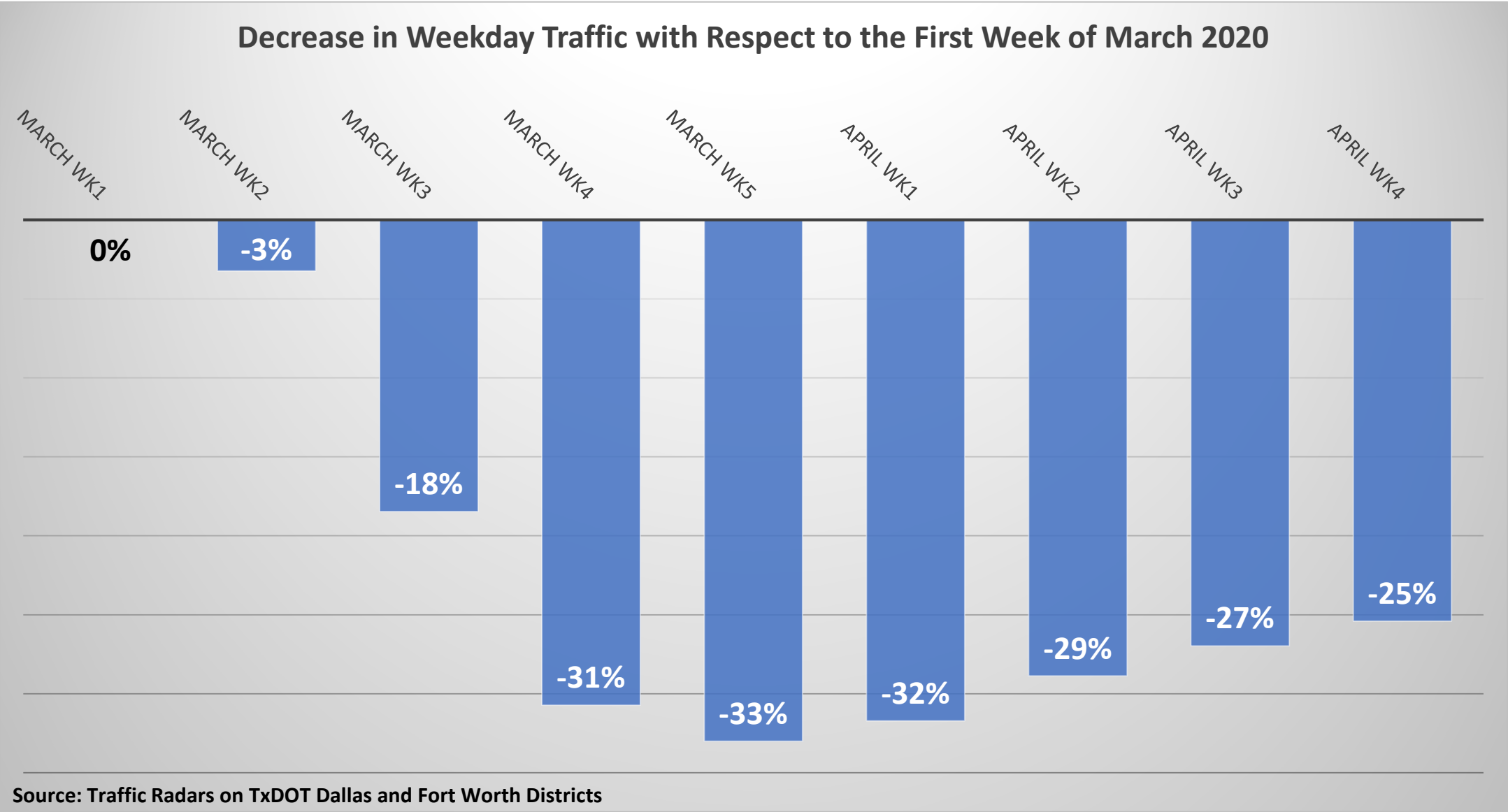
ANNUAL OZONE COMPARISON DURING COVID-19

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

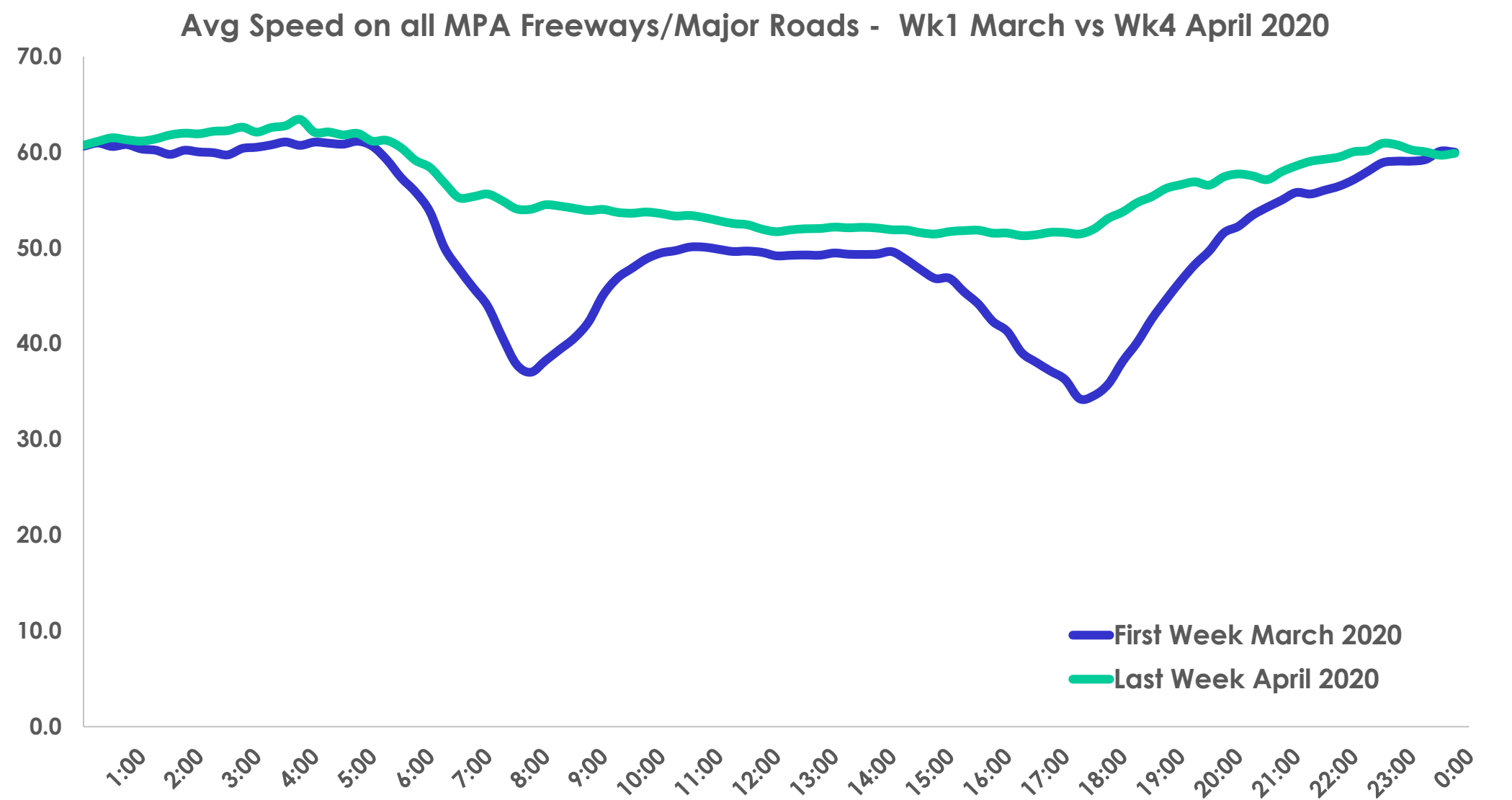
Data Source: TCEQ
Data Analysis: NCTCOG

* 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

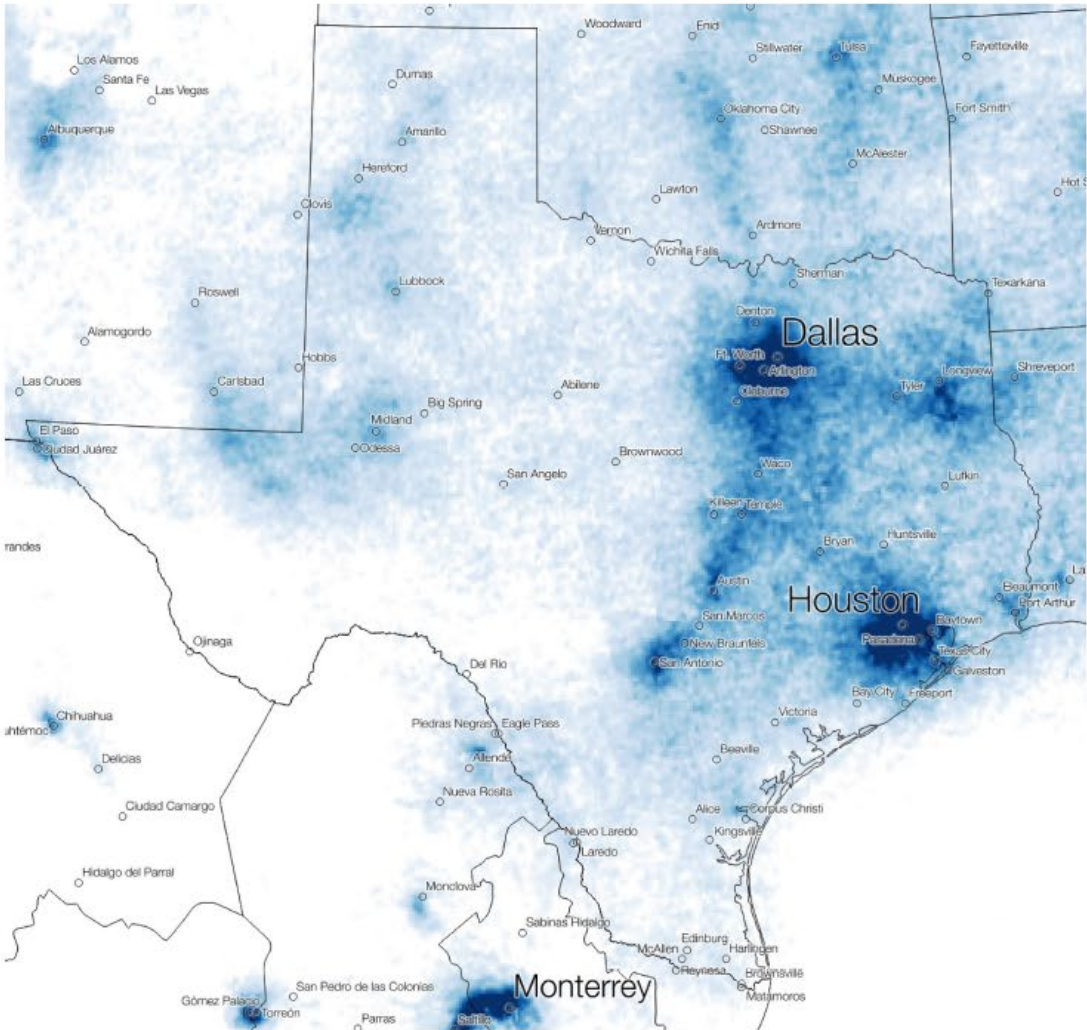


AVERAGE SPEED BY TIME OF DAY DURING COVID-19

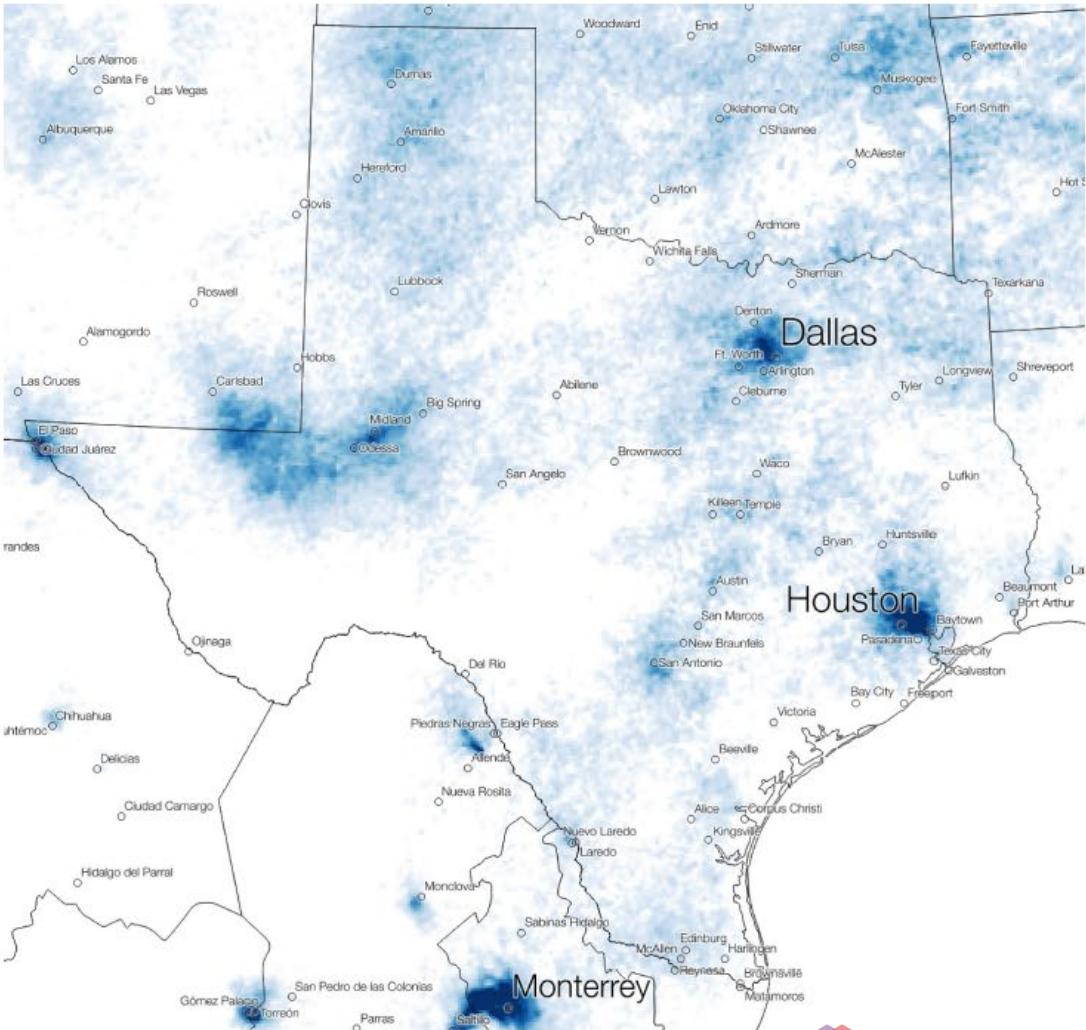


REGIONAL NO₂ TRACKING

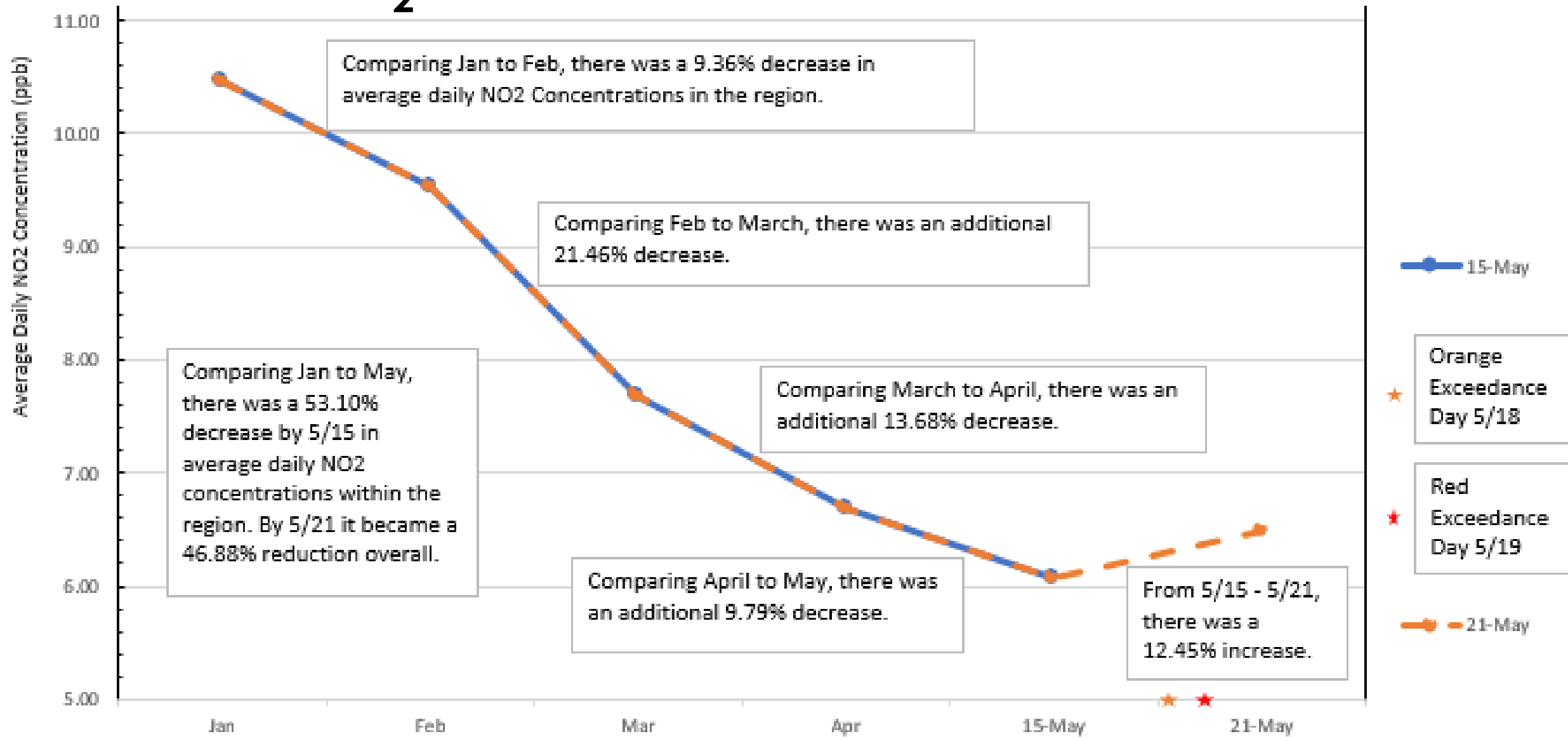
February 2020



Week of March 29, 2020



REGIONAL NO₂ DURING COVID-19



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

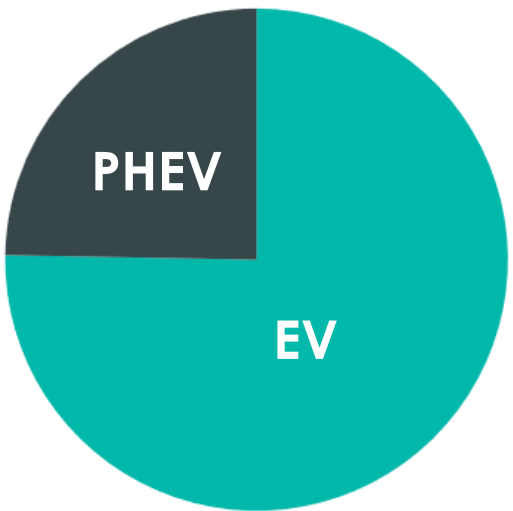
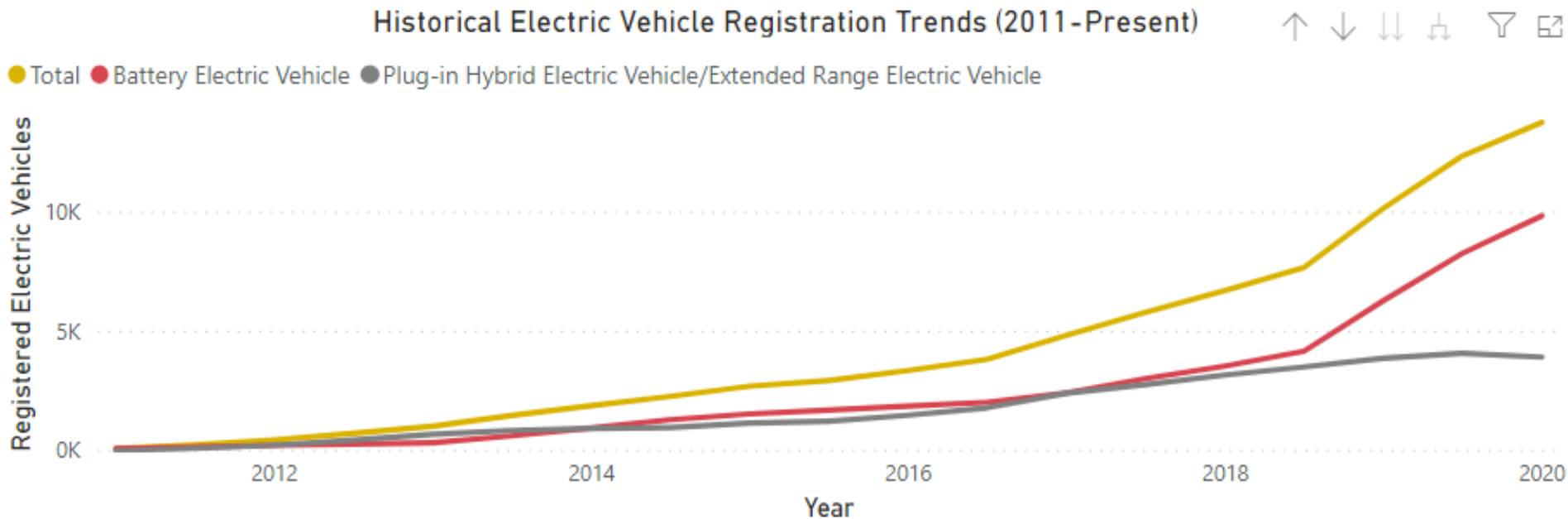
Positive Health Impacts? (Under Review)

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



Rideshare. Record. Reward.



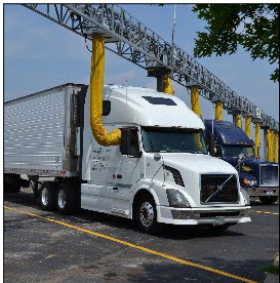
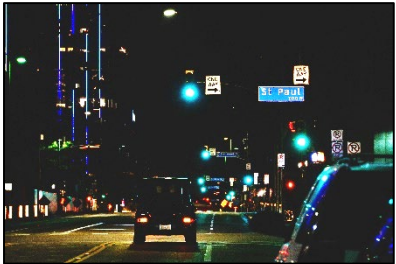
U.S. Department of Energy



Dallas-Fort Worth
CLEAN CITIES



Electric Vehicles North Texas



AIR NORTH TEXAS PUBLIC AWARENESS CAMPAIGN

Clean Air Action Day

Email Signup for Air Pollution Alerts

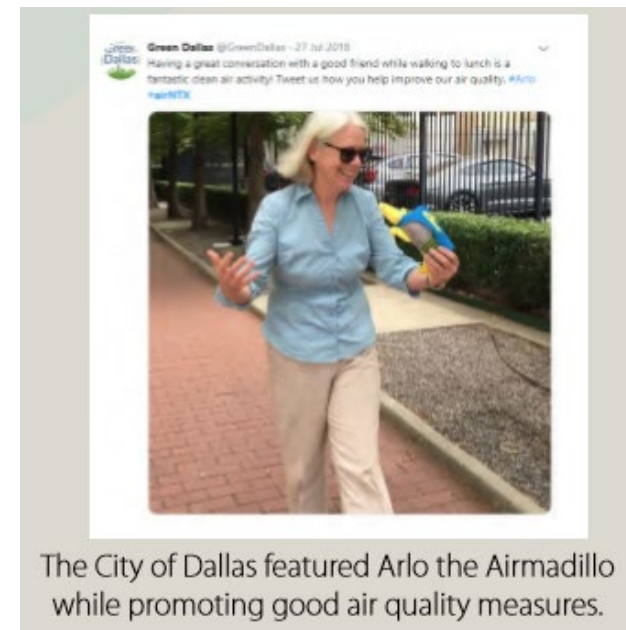
Clean Air Corner Blog

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](#)

Use Mass Transit

[DART](#) [DCTA](#) [Trinity Metro](#)
[Log Miles & Money Saved](#)

Bicycle or Walk

[Bicycling & Walking Routes](#)
[Log Miles & Money Saved](#)

Reduce Idling

[Engine Off North Texas](#)

Be Fuel Efficient

[Check Efficiency](#)
[Drive Electric](#)
[Drive a SmartWay Certified Vehicle](#)

Conserve Water

[Save North Texas Water](#)

Conserve Electricity

[Tips & Resources](#)

Communicate Alerts

[Retrieve Ozone Graphic Codes](#)

Air North Texas



- 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

CONTACT INFORMATION

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www.nctcog.org/airquality



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