

# Air Quality Update

Air North Texas Coalition

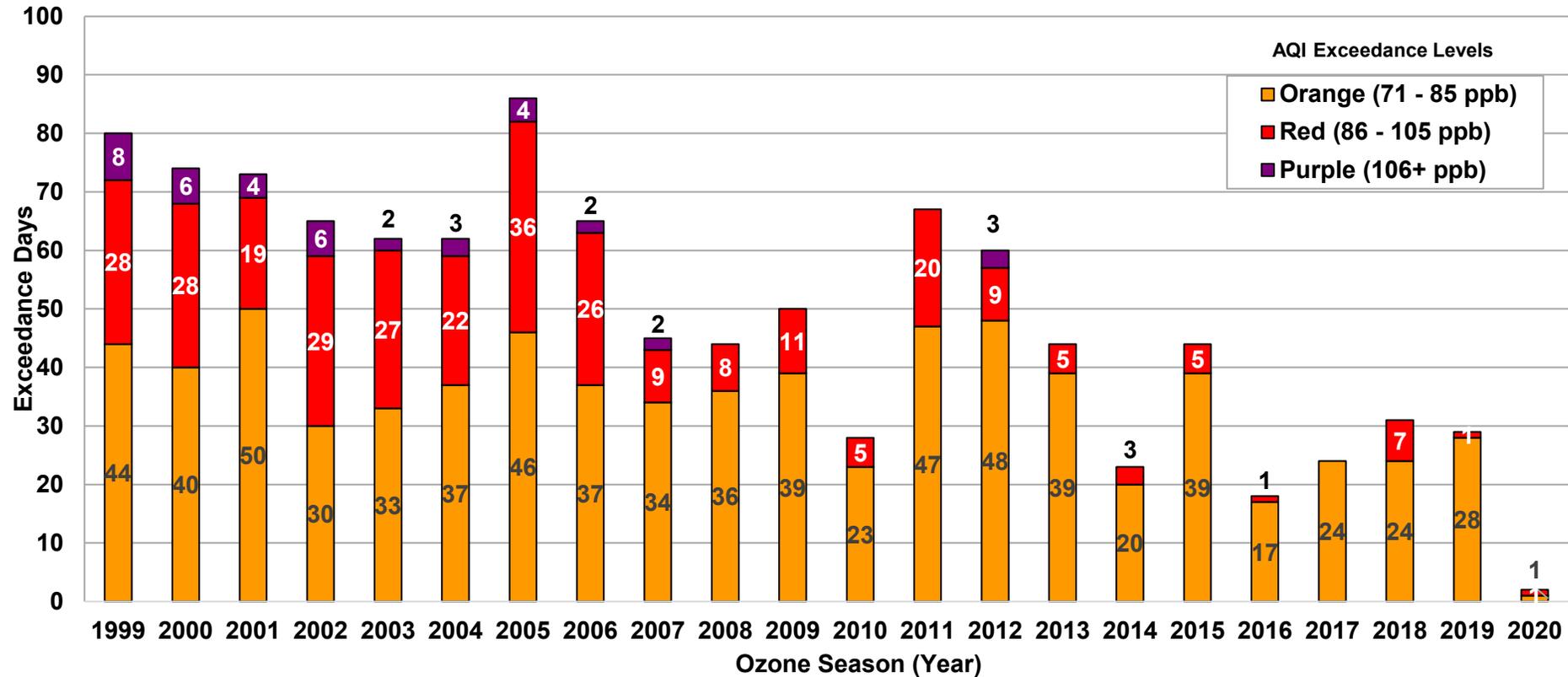
May 21, 2020



North Central Texas  
Council of Governments

# 8-HOUR OZONE NAAQS HISTORICAL TRENDS

Based on  $\leq 70$  ppb (As of May 20, 2020)

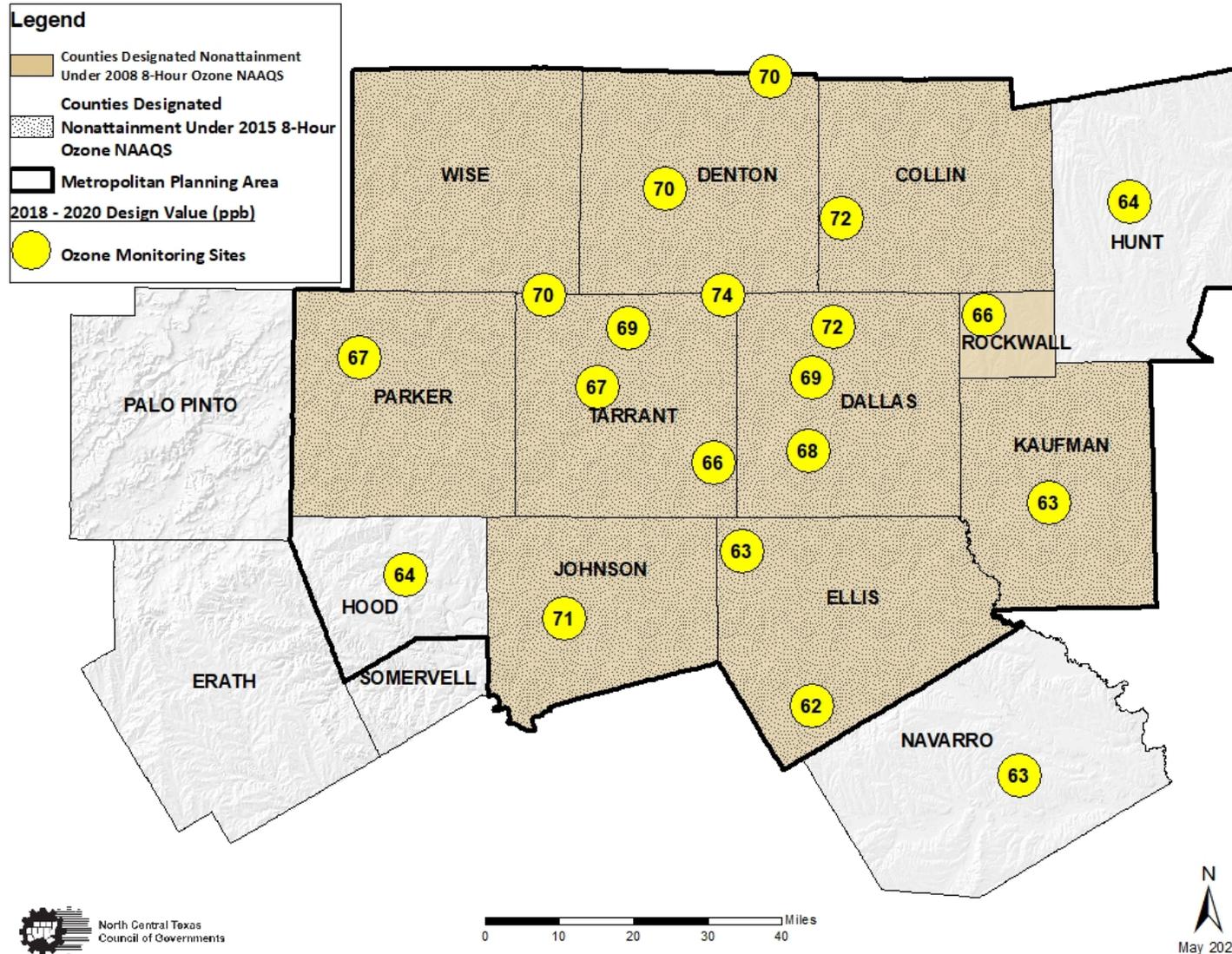


Exceedance Level indicates daily maximum eight-hour average ozone concentration.  
Exceedance Levels are based on Air Quality Index (AQI) thresholds established by the EPA for the revised ozone standard of 70 ppb.

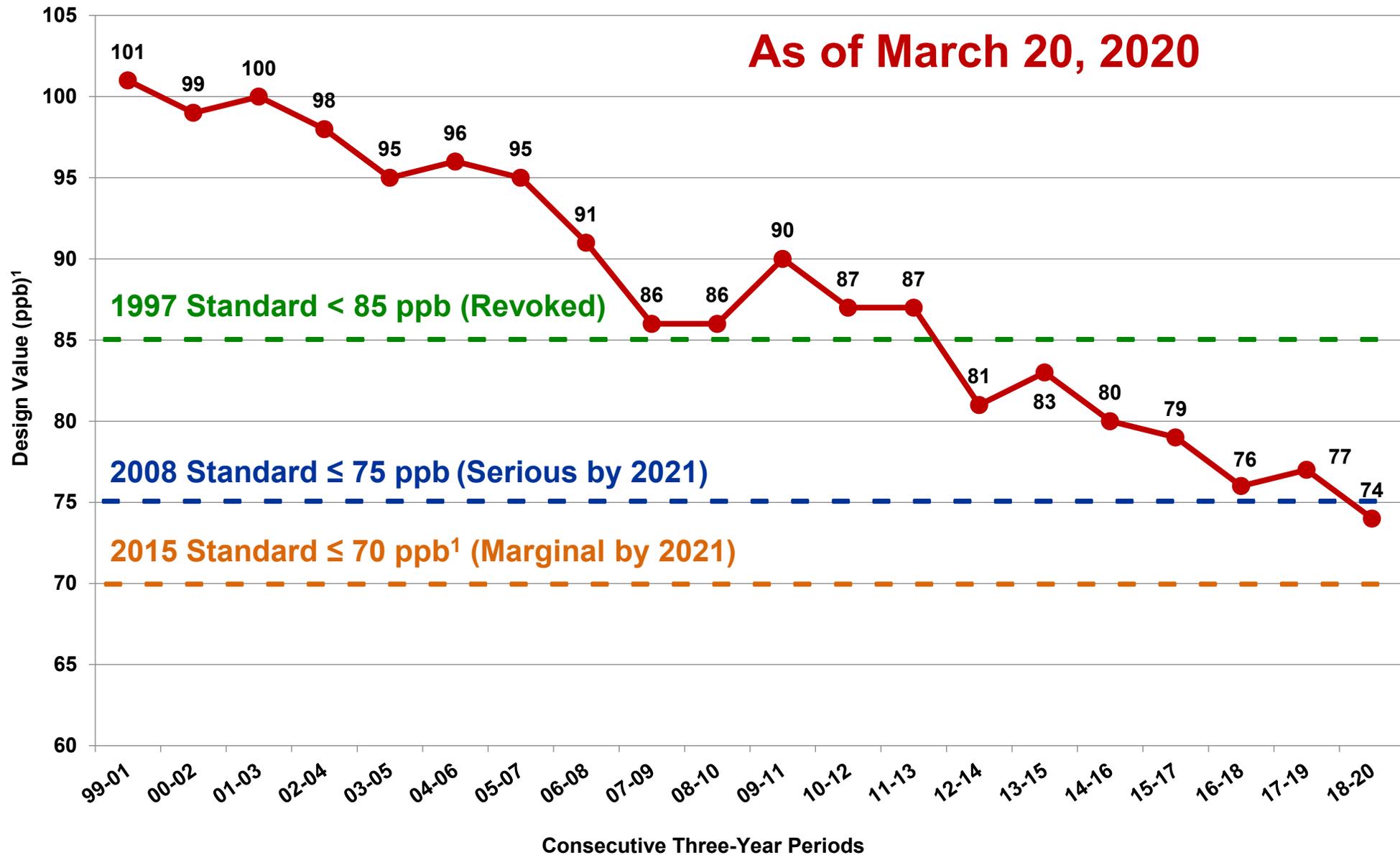
Source: TCEQ, [http://www.tceq.state.tx.us/cgi-bin/compliance/monops/8hr\\_monthly.pl](http://www.tceq.state.tx.us/cgi-bin/compliance/monops/8hr_monthly.pl)  
ppb = parts per billion

# Monitor Locations

## 2020 Design Value Monitor Readings



# 8-HOUR OZONE NAAQS HISTORICAL TRENDS



<sup>1</sup>Attainment Goal - According to the US EPA National Ambient Air Quality Standards, attainment is reached when, at each monitor, the *Design Value* (three-year average of the annual fourth-highest daily maximum eight-hour average ozone concentration) is equal to or less than 70 parts per billion (ppb).

# For More Information

**Chris Klaus**  
**Senior Program Manager**  
**817-695-9286**  
[CKlaus@nctcog.org](mailto:CKlaus@nctcog.org)

**Jenny Narvaez**  
**Program Manager**  
**(817) 608-2342**  
[JNarvaez@nctcog.org](mailto:JNarvaez@nctcog.org)

**Vivek Thimmavajjhala**  
**Transportation System Modeler**  
**(817) 704-2504**  
[VThimmavajjhala@nctcog.org](mailto:VThimmavajjhala@nctcog.org)

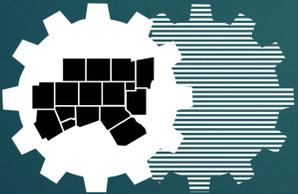
**Nick Van Haasen**  
**Air Quality Planner**  
**(817) 608-2335**  
[NVanhaasen@nctcog.org](mailto:NVanhaasen@nctcog.org)

<https://www.nctcog.org/trans/quality/air/ozone>

# EFFECTS OF COVID-19 ON TRANSPORTATION and AIR QUALITY

**Air North Texas Coalition**

May 21, 2020

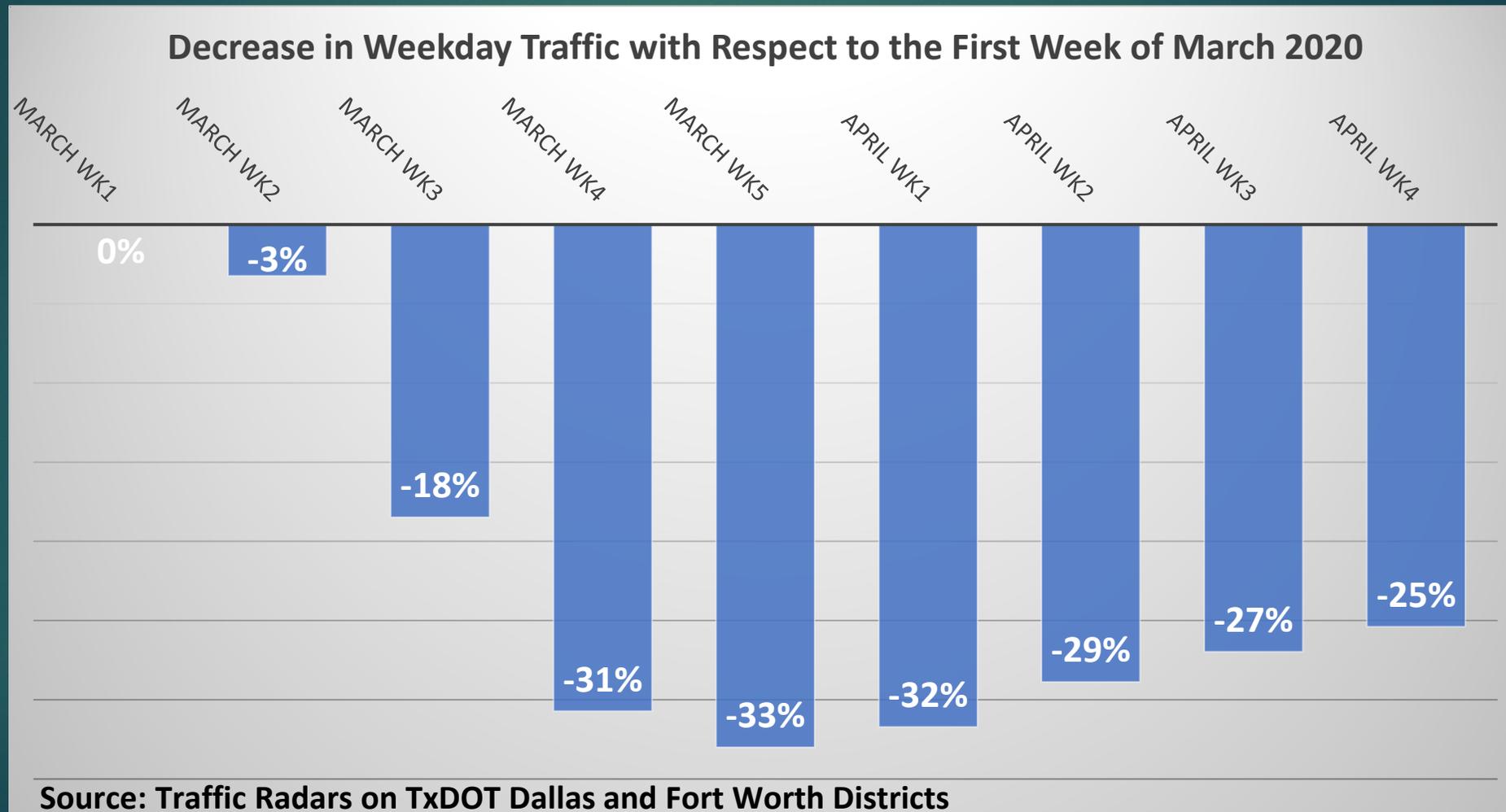


**North Central Texas  
Council of Governments**

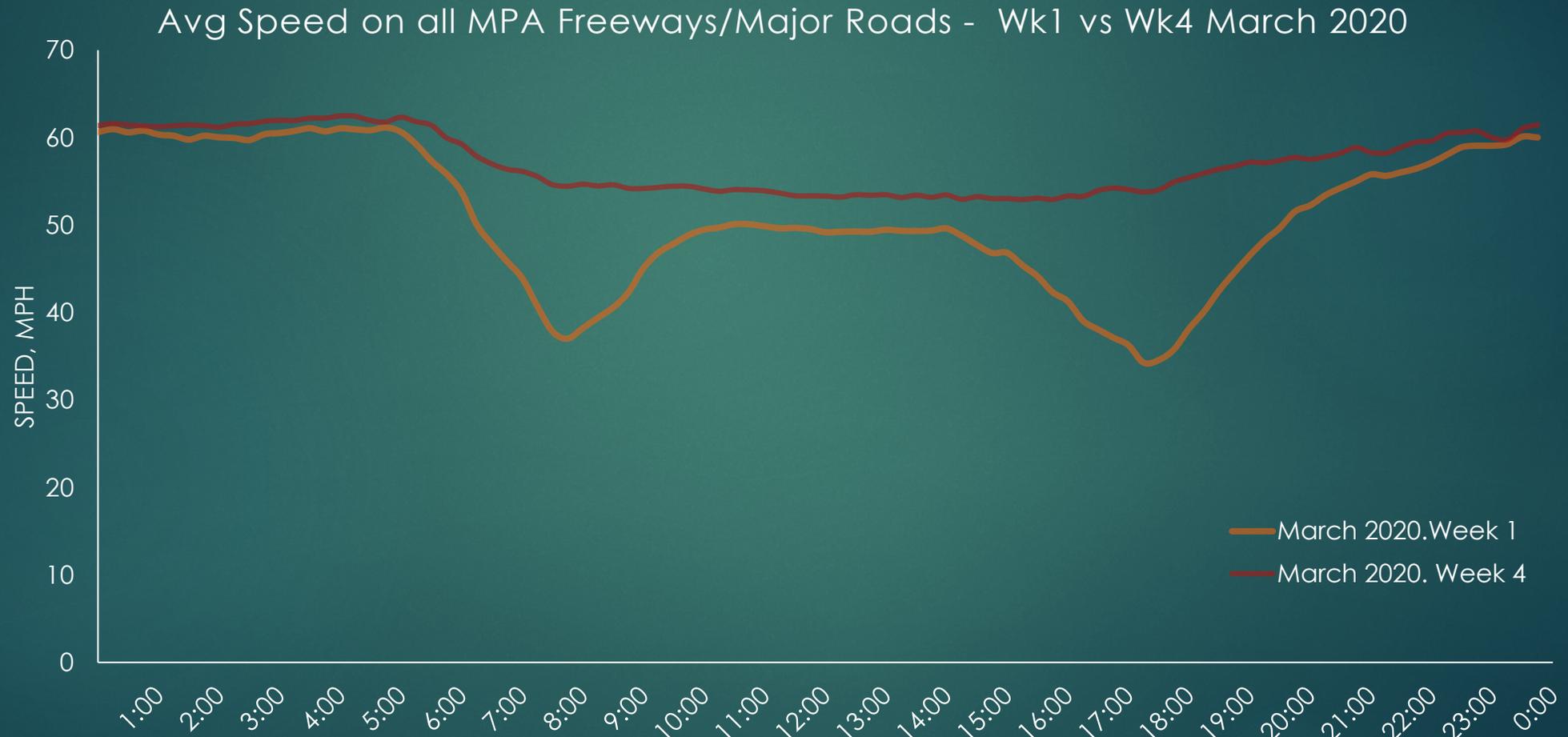
# 1. TRANSPORTATION

(ROADWAY)

# Freeway Volume, All Week

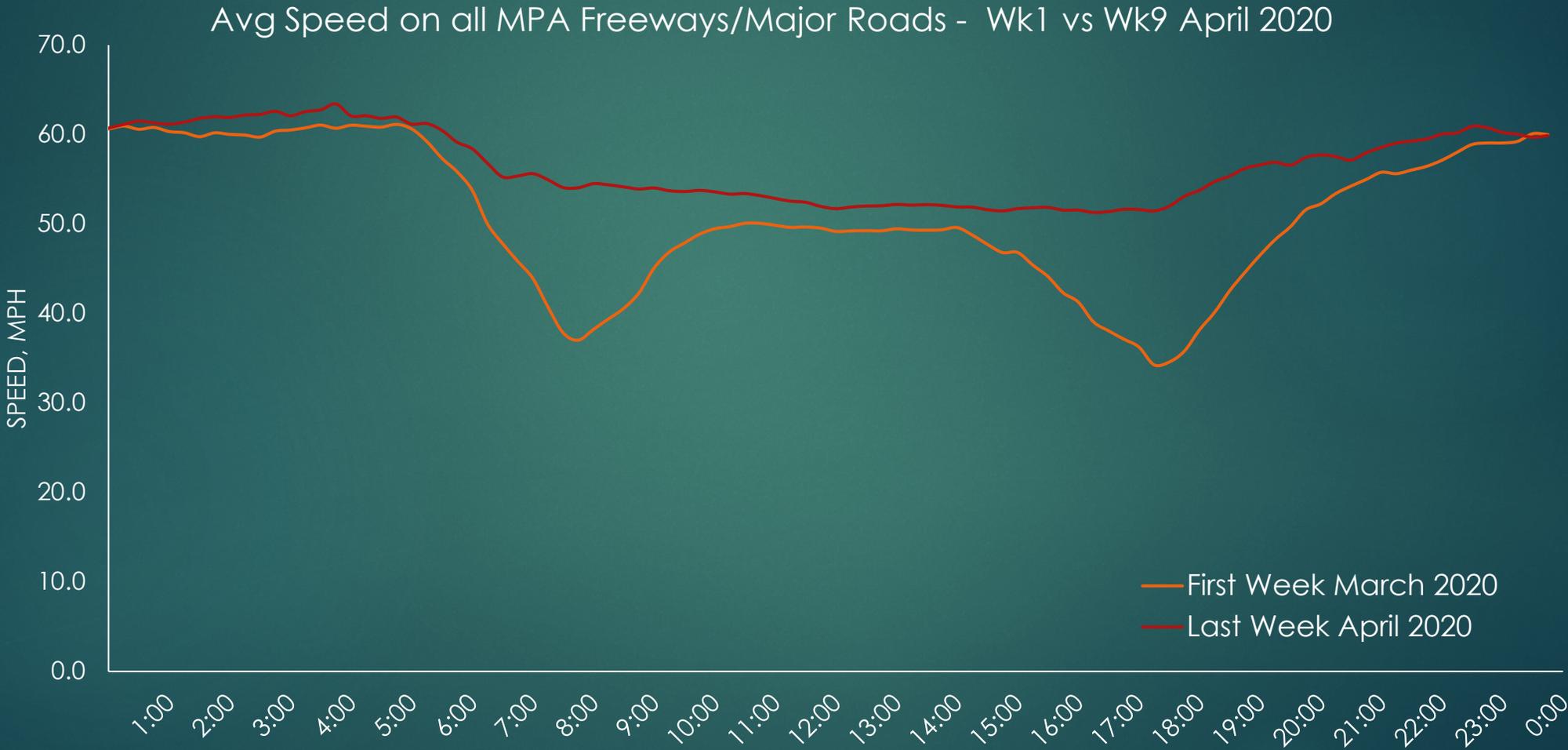


# Average Speed by time of day, March 2020



Source: INRIX data delivered by FHWA through NPMRDS

# Average Speed by time of day, March - April 2020



Source: INRIX data delivered by FHWA through NPMRDS

## 2. AIR QUALITY

# NORTH CENTRAL TEXAS AIR QUALITY IMPACTS AND FINDINGS

- ▶ Emissions from vehicles reduced
- ▶ Lowest frequency of high-level, unhealthy, exposure days to ozone
  - ▶ As of May 17<sup>th</sup>.
- ▶ Cleaner air = blue(r) skies
- ▶ Leading to a healthier populous (under review)
- ▶ Future sustainability (to be determined)
  - Electric and fuel cell vehicles
  - Travel Demand Management (telecommunicating)

North Central Texas Ozone Comparison

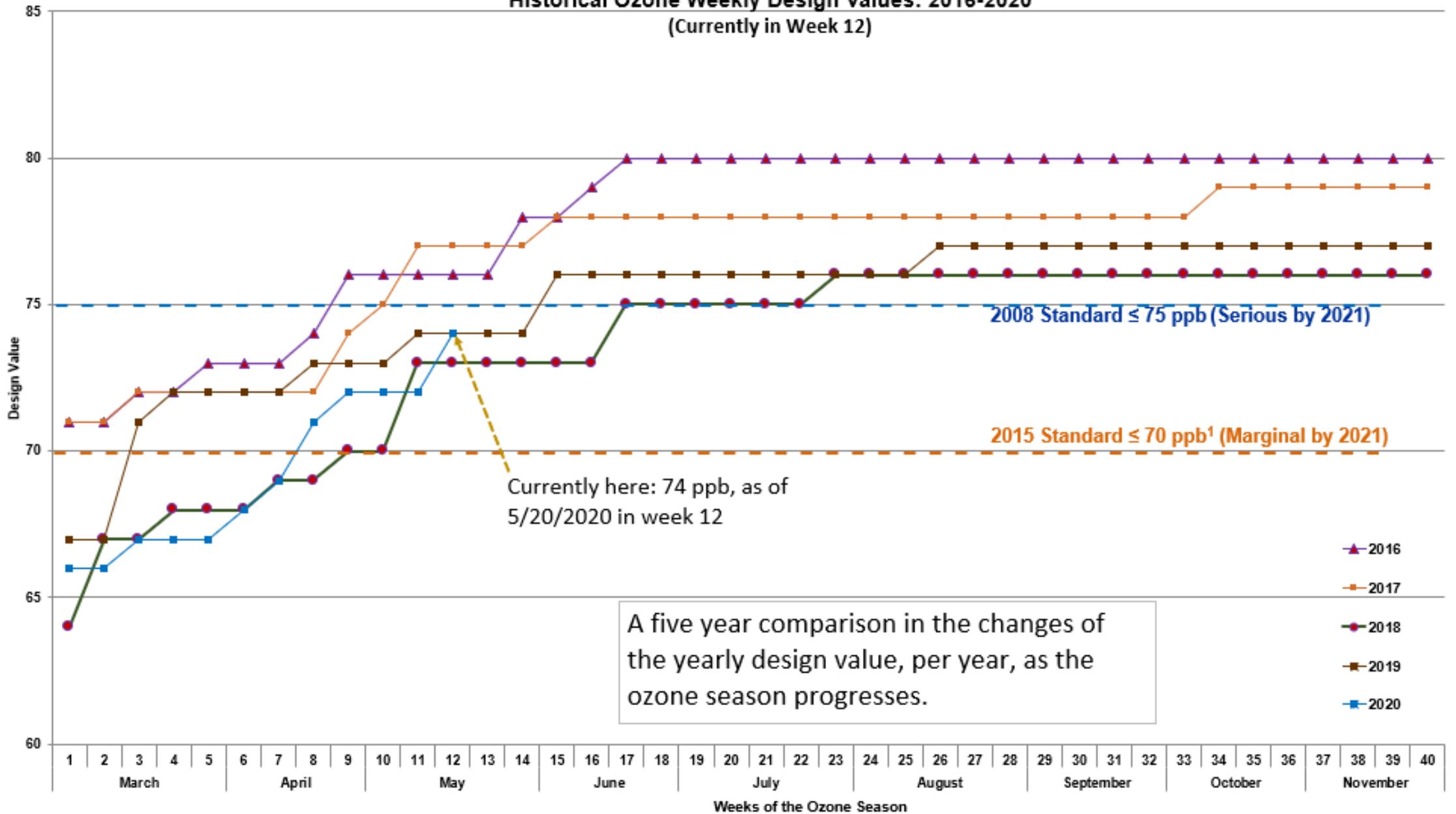
		3 Year Design Value		
2017		2018	2019	2020*
March	2 yellow days High: 62 at Eagle Mtn Lake	8 yellow days High: 63 at Denton	10 yellow days High: 66 at Cleburne	3 yellow days High: 64 at Pilot Point
April	10 yellow days High: 68 at Dallas Hinton	16 yellow days 2 orange days High: 81 at Dallas North High: 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.



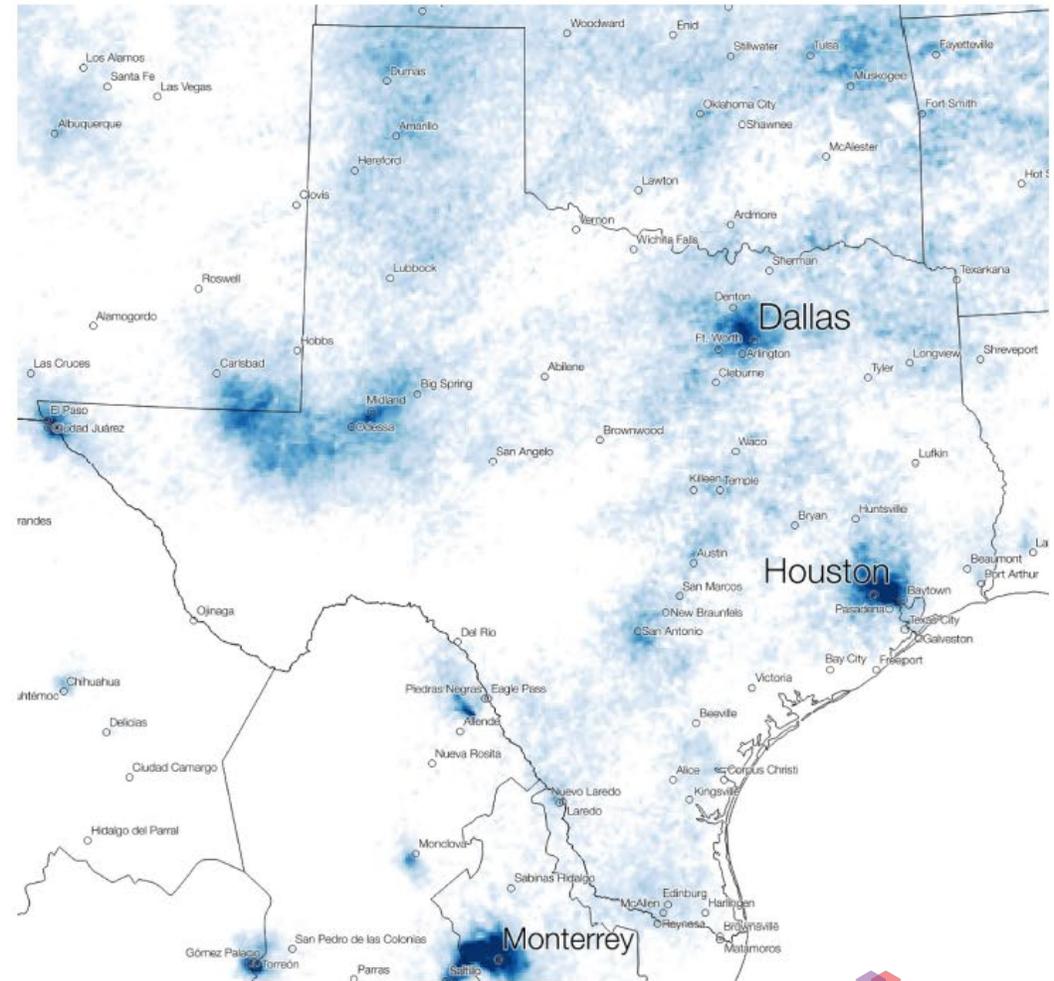
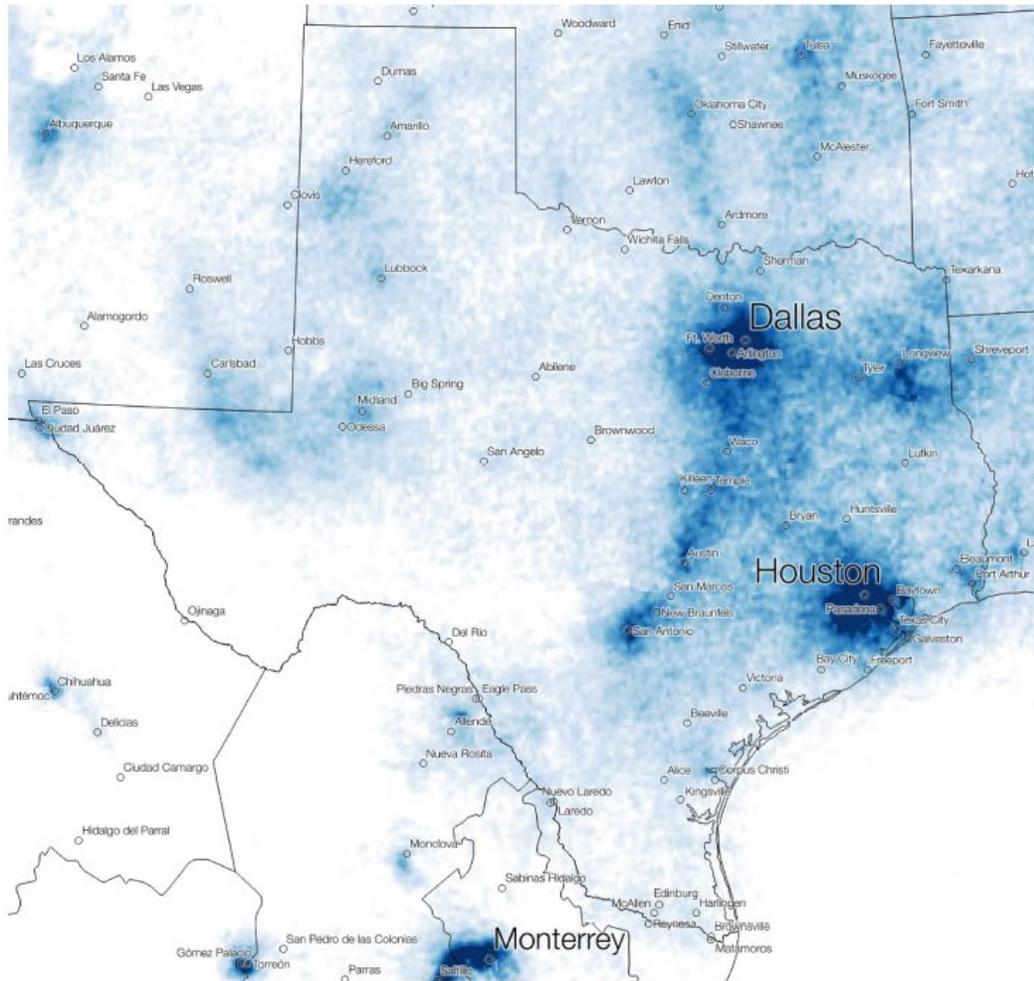
### Historical Ozone Weekly Design Values: 2016-2020 (Currently in Week 12)



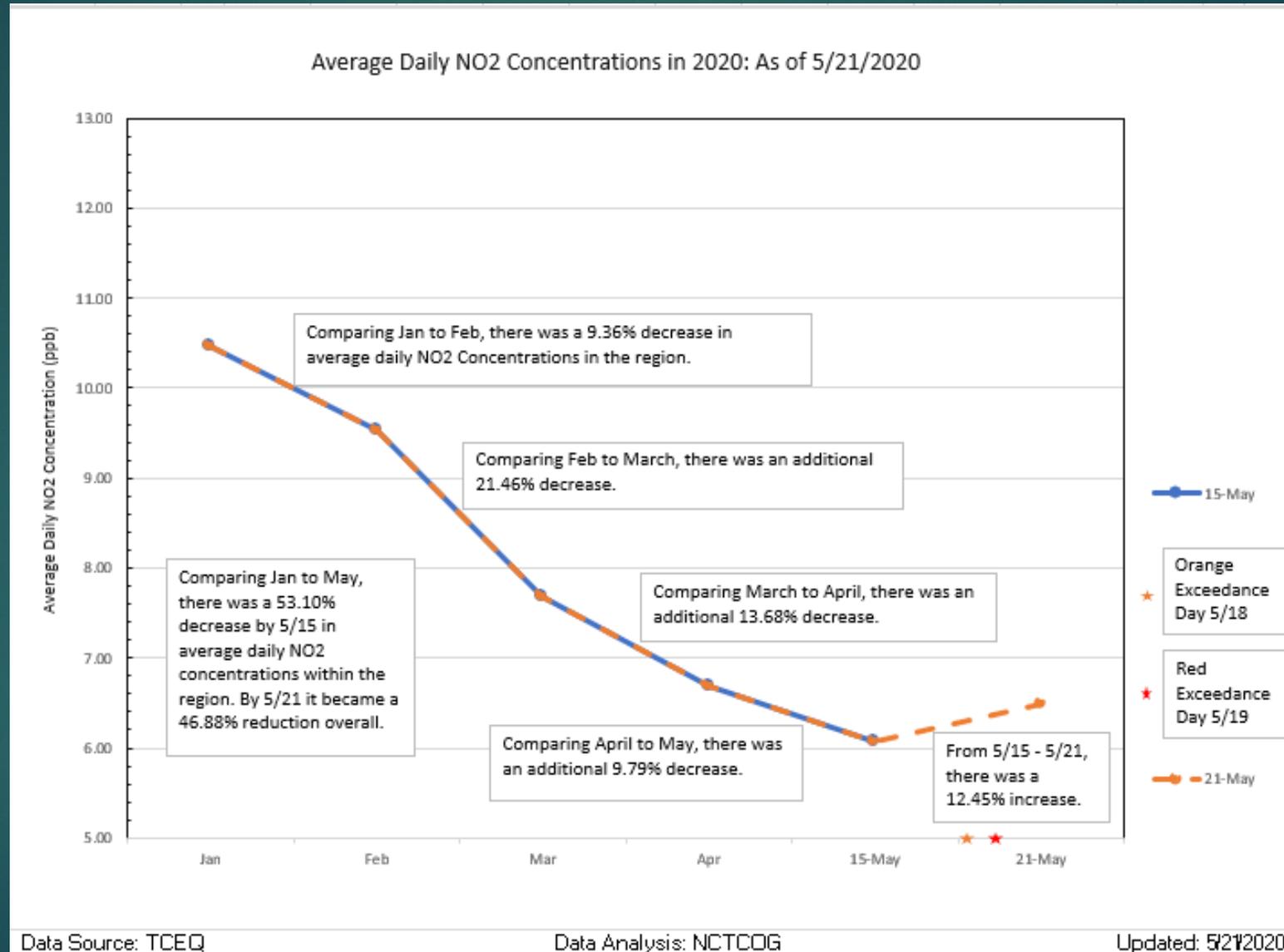
# Regional Nitrogen Dioxide (NO<sub>2</sub>) Tracking

February 2020

Week of March 29, 2020



# Regional Nitrogen Dioxide (NO<sub>2</sub>) Monitor Data



# CONTACT

Chris Klaus  
Senior Program Manager  
[cklaus@nctcog.org](mailto:cklaus@nctcog.org)  
817-695-9286

Nick Van Haasen  
Air Quality Planner  
[nvanhaasen@nctcog.org](mailto:nvanhaasen@nctcog.org)  
817-608-2335

Vivek Thimmavajjhala  
Transportation System Modeler  
[vthimmavajjhala@nctcog.org](mailto:vthimmavajjhala@nctcog.org)  
817-704-2504

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# AIR NORTH TEXAS

## CAMPAIGN BI-MONTHLY QUANTIFICATION & SOCIAL MEDIA REPORT

MARCH 5, 2020 – MAY 5, 2020

Air North Texas Coalition  
May 21, 2020  
Kenny Bergstrom, NCTCOG



# Air North Texas Web Analytics

Visits

719

Decreased

By 77% compared to 2019

Avg. Time

1:57

Increased

By 43 seconds compared to 2019

Pageviews

1,004

Increased

By 5% compared to 2019

New Visits

672

Decreased

By 72% compared to 2019



## Visits By Device



234

86% decrease  
compared to 2019



21

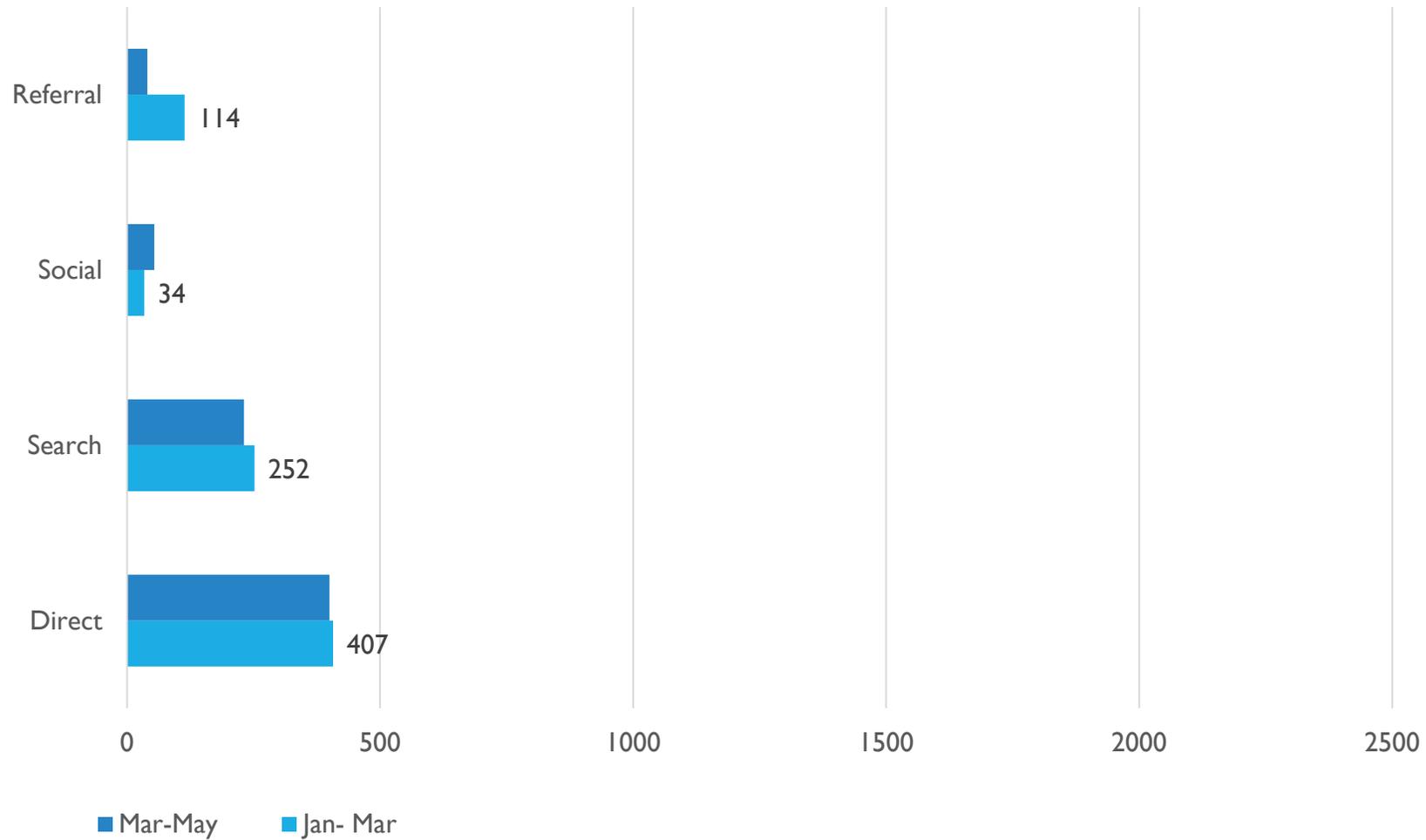
82% decrease  
compared to 2019



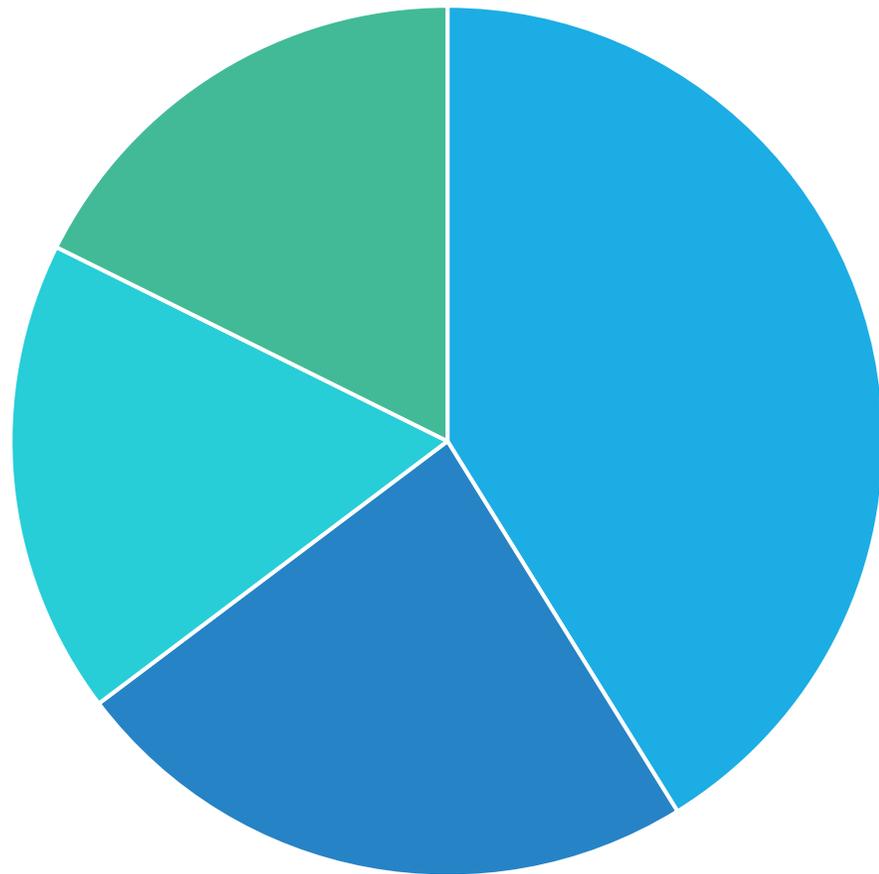
464

28% decrease  
compared to 2019

# How Visitors Found Air North Texas

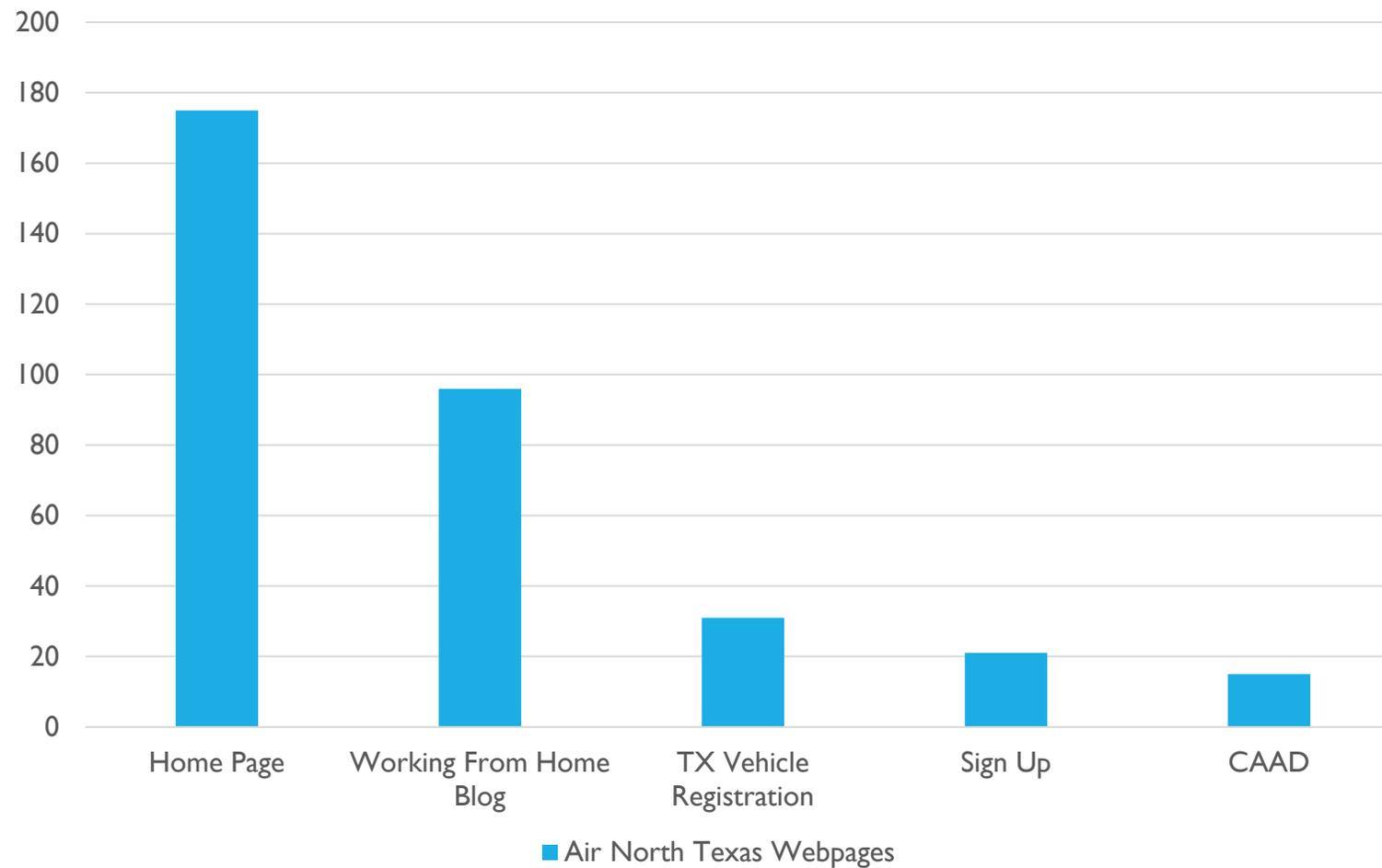


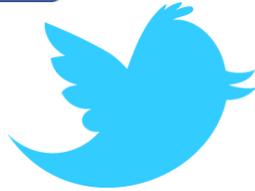
# Top Directed Sites



- DCCCD
- Green Dallas
- APTA
- Dallas Climate Action

# Top Pages Viewed





NCTCOG  
Transportation  
Department  
@NCTCOGtrans



NCTCOG Transportation Department  
May 5 at 4:00 PM

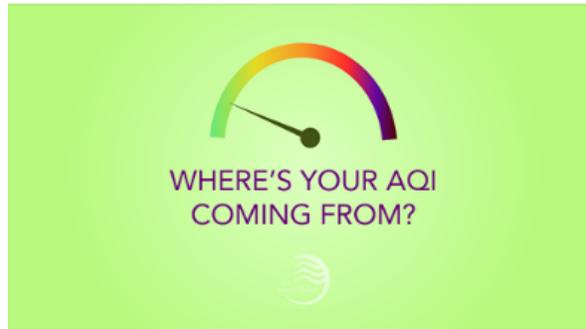
Did you know there are pollutants found both outdoors and indoors that can trigger asthma attacks? Indoor air quality is just as important as outdoor. Make sure air filters are replaced regularly and make sure you know the quality of the air before going outside. #AQAW2020



5 likes, 1 Share

NCTCOG Transportation Department  
May 6 at 9:09 AM

The Air Quality Index (AQI) is a tool that calculates the volume of pollutants, such as emissions or smoke, that are in the air to determine how clean or unhealthy it is. You can view current air quality from the home page of <http://AirNorthTexas.org>. #AQAW2020



2 likes, 1 Share

NCTCOG Transportation Department  
April 15

We've got activities we want you guys to check out to keep everyone entertained! Our first set on air quality can be found at <https://www.airnorthtexas.org/teach>. Have fun!



1 like

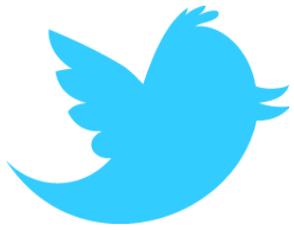
NCTCOG Transportation Department  
May 4 at 3:28 PM

Wildfires and smoke affect the quality of the air we breathe and for those with chronic heart and lung disease, inhaling smoke particles can be aggravating. Avoid activities that could result in fires. Stay alert to smoke-related news and health warnings. #AQAW2020



4 likes





City of Grand Prairie - Municipal Government  
@cityofgptx



City of Grand Prairie - Municipal Government  
May 11 at 10:01 AM · 🌐

We saw less air pollution, smelled fresh air, heard the chirps of birds during lockdown. What kind of world do you want to live in after this pandemic? Taking small steps to benefit our city and future generations starts with you! <http://ow.ly/6X8I50zB2bn> #AirNTX

Mientras nos quedamos en casa notamos menos contaminación del aire, oímos aire fresco y escuchamos el canto de los pájaros. ¿En qué tipo de mundo quieres vivir después de esta pandemia? ¡Dar pequeños pasos para beneficiar a nuestra ciudad y a las generaciones futuras comienza con usted! <http://ow.ly/6X8I50zB2bn> #AirNTX



Grand Prairie, TX  
@gp\_tx

Clean Air Tip: Use paints that are based with water and not oil. Look for labels that say "Low-VOC." #AirNTX



12:01 PM · Apr 4, 2020 · Hootsuite Inc.

Grand Prairie, TX  
@gp\_tx

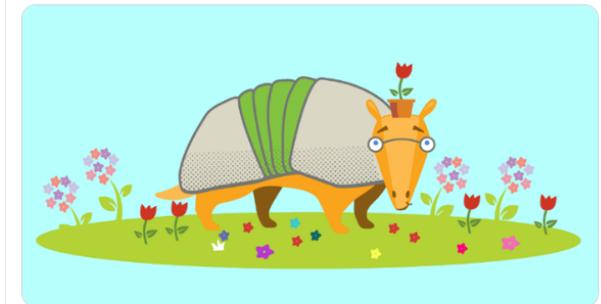
We saw less air pollution, smelled fresh air, heard the chirps of birds during lockdown. What kind of world do you want to live in after this pandemic? Taking small steps to benefit our city and future generations starts with you! [ow.ly/Hzhc50zB2bm](http://ow.ly/Hzhc50zB2bm) #AirNTX



12:01 PM · May 11, 2020 · Hootsuite Inc.

Grand Prairie, TX  
@gp\_tx

Plant a garden this spring to give the air the nutrients that it needs to be cleaner. These plants help clean out the gunk in the atmosphere: Find native plants at [txsmartscape.com](http://txsmartscape.com)! #AirNTX



7:01 PM · Mar 9, 2020 · Hootsuite Inc.





Keep Cedar Hill Beautiful  
@KeepCedarHillBeautiful

Keep  
CEDAR HILL  
Beautiful

 **Keep Cedar Hill Beautiful**  
April 22 at 7:20 AM · 🌐

We challenge everyone to "switch off" for one hour. Have dinner in candlelight. Camp in your backyard. Or simply turn off your non-essential lights for an hour. The smallest actions have a significant impact on our environment.

More ideas:  
<https://www.cedarhilltx.com/2667/Earth-Hour>  
#CedarHillEarthHour #CedarHillStrong #AirNTX



#CEDARHILLEARTH HOUR  
Switch Off for an Hour

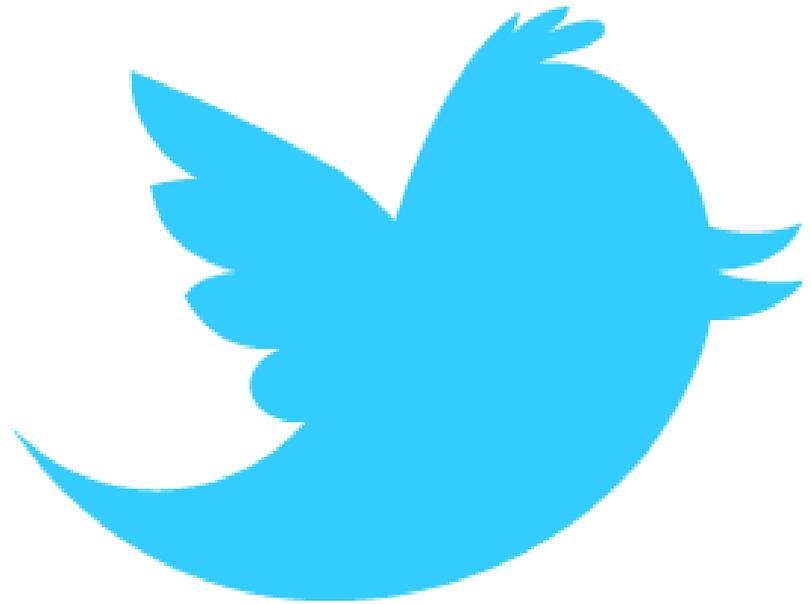
[cedarhilltx.com/EarthHour](https://www.cedarhilltx.com/EarthHour)  
#CEDARHILLSTRONG

 **Keep Cedar Hill Beautiful**  
March 7 at 9:48 AM · 🌐

Be a good neighbor, get a free t-shirt, and join us at the Neighborhood Block Party at the Alan Sims Recreation Center.

#AirNTX #KnowWhatToThrow





#AirNTX

# ANTx NCTCOG Contacts

## **Kenny Bergstrom**

Communications Supervisor  
(817) 704-5643  
kbergstrom@nctcog.org

## **Mindy Mize**

Program Manager  
(817) 608-2346  
mmize@nctcog.org

## **Kimberlin To**

Communications Coordinator  
(817) 608-2362  
kto@nctcog.org

## **Whitney Vandiver**

Communications Supervisor  
(817) 704-5639  
wvandiver@nctcog.org

**Air North Texas Coalition Web Page:**

**<https://www.nctcog.org/trans/about/committees/air-north-texas-coalition>**

