

Air North Texas Coalition
Thursday, May 18, 2023
1:30 – 3:00 pm

Agenda

1. Introductions Kimberlin To, NCTCOG
2. Overview
 - a. March 16 Meeting Kimberlin To
3. Discussion
 - a. Air Quality Update Jenny Narvaez, NCTCOG
 - b. Administrative Announcements/Reminders Kimberlin To
 - i. Clean Air Action Day – First Friday of June: June 2, 2023
 - ii. Clean Air Corner
 - iii. Outreach Items
 - iv. Advertising
 - c. Website Quantification/Social Media Report Alissa Soto, NCTCOG
 - d. Outreach Events Jackie Castillo, NCTCOG
4. Other/Member Updates Kimberlin To
5. Additional Items Kimberlin To
 - a. **Next Meeting Information:**
Thursday, July 20, 1:30 PM
Microsoft Teams Conference Call
1 903-508-4574
Phone Conference ID: 991 918 14#



Air Quality Update

Air North Texas Coalition

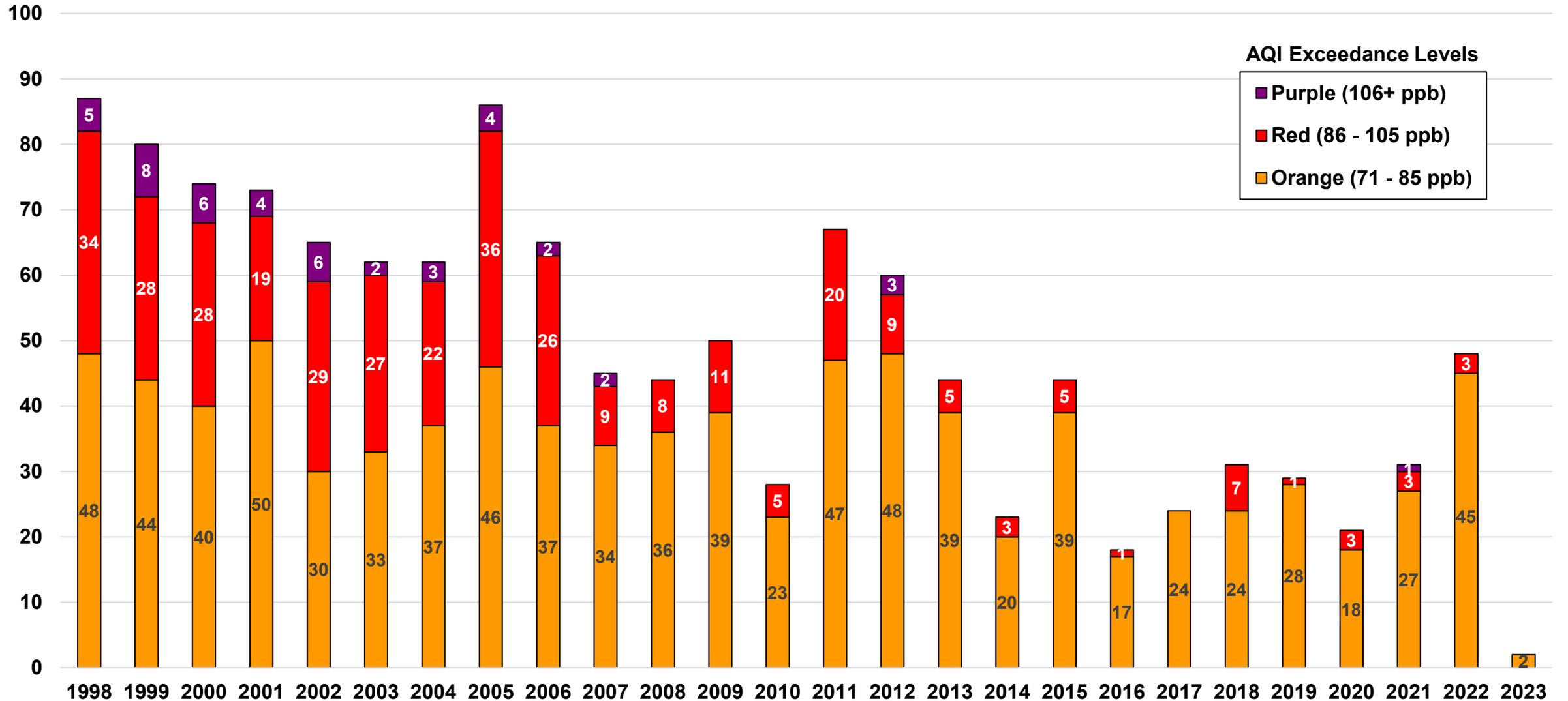
May 18, 2023
Jenny Narvaez



North Central Texas
Council of Governments

8-HOUR OZONE NAAQS HISTORICAL TRENDS

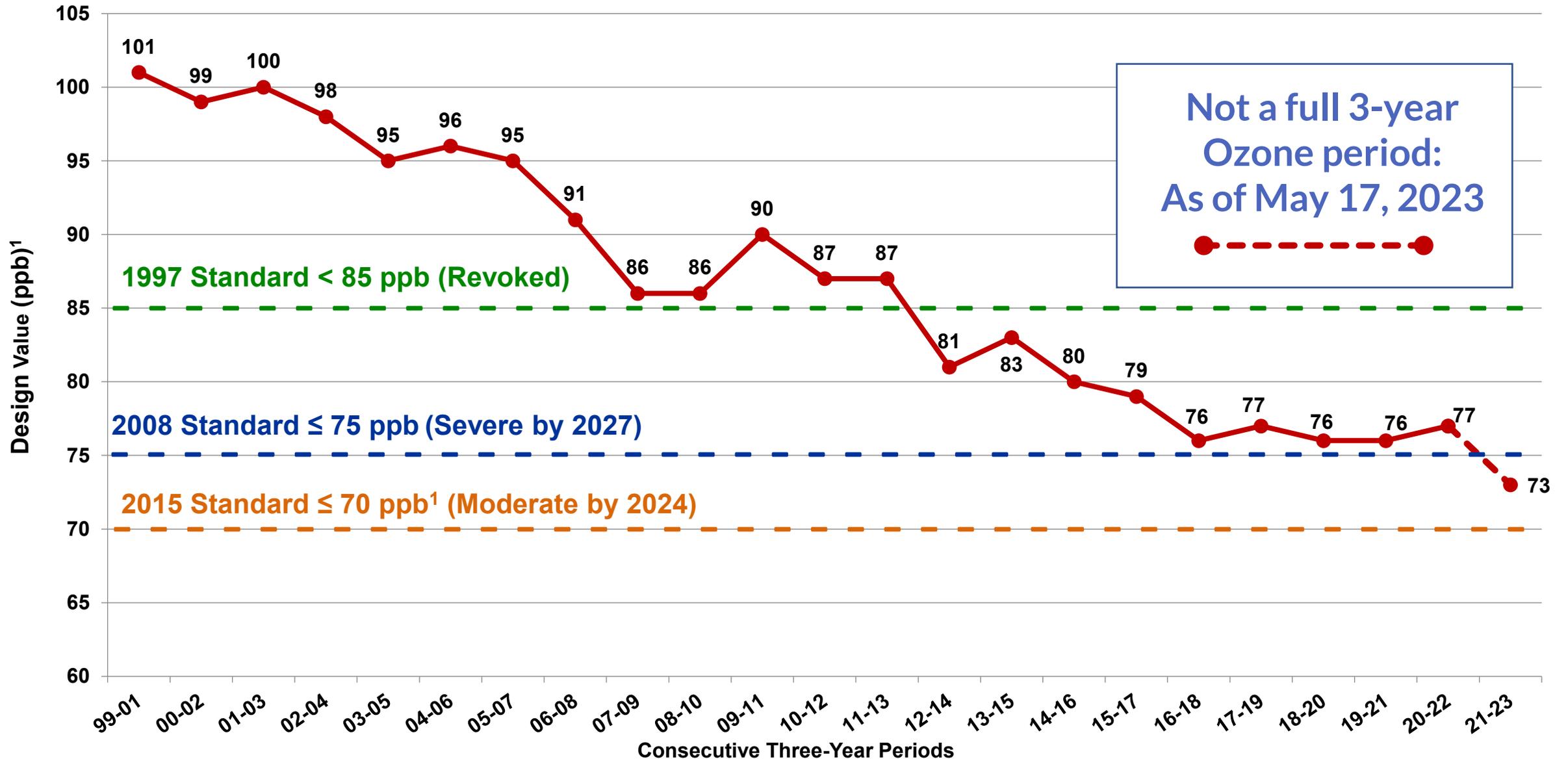
Based on ≤ 70 ppb (As of May 17, 2023)



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
ppb = parts per billion

8-HOUR OZONE NAAQS HISTORICAL TRENDS



¹Attainment 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).

EPA UPDATES

Approval of 2020 Motor Vehicle Emissions Budgets

Disapproval of contingency measures in the Reasonable Further Progress and Attainment Demonstration State Implementations Plans

Issue of protective finding to avoid conformity freeze

Proposal to lower fine particulate matter (PM_{2.5}) standard

EPA UPDATES – MOTOR VEHICLE EMISSION BUDGETS

2008 Ozone Serious Reasonable Further Progress State Implementation Plan

2020 Motor Vehicle Emissions Budgets (MVEB) – establishes emissions (NO_x and VOC) ceilings for Transportation Conformity

2020 NO_x = 107.25 tons/day

2020 VOC = 62.41 tons/day

EPA Action: Approval of 2020 MVEB – Started 2-year clock to show a transportation conformity determination (i.e., before April 2025)

CONTINGENCY MEASURES DISAPPROVAL

**2008 Ozone Serious Reasonable Further Progress State Implementation Plan
2008 Ozone Serious Attainment Demonstration State Implementation Plan**

Contingency Measures – control requirements in a nonattainment area State Implementation Plan (SIP) that would take effect should the area fail to meet Reasonable Further Progress (RFP) emissions reductions requirements or fail to attain the Ozone standard by the applicable attainment date

EPA Action: Proposed Disapproval of the contingency measures in the SIP, final action on this element by September 30, 2023

CONTINGENCY MEASURES DISAPPROVAL

A January 2021 DC Circuit Court decision invalidated EPA's past policy on contingency measures

The past policy allowed states to include existing/already implemented Federal and State control programs as contingency measures

The state of Texas largely relied on these programs. Some of examples of these programs are:

Federal Motor Vehicle Emission Control Program (FMVCP),

Fuel controls (Ultra Low Sulfur Diesel and Texas Low Emissions Diesel, Reformulated Gasoline/Low Reid Vapor Pressure Gasoline),

Inspection and Maintenance (I/M) Program, and

Vehicle Tier Standards and Fleet Turnover

CONTINGENCY MEASURES DISAPPROVAL

Moving forward, EPA can only approve contingency measures that are conditional and prospective and not already implemented.

TCEQ required to take additional actions and are within state's discretion

The new/additional contingency measures could be various control measures across different source categories (and not just on-road or transportation sources)

Examples and coordination with multiple states is still work in progress at the EPA level

CONTINGENCY MEASURES DISAPPROVAL

UNDER PROTECTIVE FINDING

EPA's final disapproval (Sept 2023) would result in a Conformity freeze

Conformity Freeze – only projects in the first four years of most recent conformity Plan and TIP can proceed

However, EPA plans to finalize the disapproval with a “protective finding” (40 CFR 93.120(a)(3)) which would avoid a conformity freeze or other immediate conformity consequences

Conformity determinations could be made “as usual”

CONTINGENCY MEASURES DISAPPROVAL

SANCTIONS/OFFSETS CLOCK

EPA's final disapproval (Sept 2023) will start a 2-year clock

Highway Sanctions

Stationary Source (Factories, Power Plants, etc.) Permitting Offsets

The clock acts as a warning/grace period for the state to submit approvable contingency measures

Failure to provide them will halt the approval of certain transportation projects and the award of any federally funded grants, as well as increase the offsets for permitting stationary sources

Next Steps: Coordinating with TCEQ to develop new contingency measures

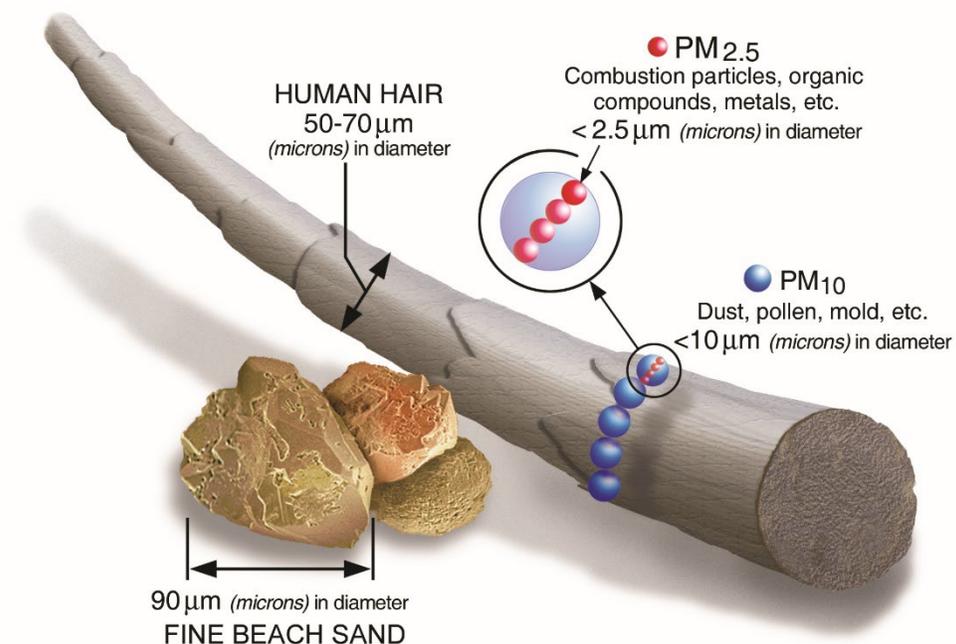
EPA UPDATES

PARTICULATE MATTER

Ambient air contains a mixture of solid particles and droplets of liquids collectively known as Particulate Matter (PM). Two notable classifications of PM have regulatory air quality standards.

PM₁₀: “coarse” particulate matter; includes particles ≤ 10 micrometers in diameter (pollen, mold, dust, etc).

PM_{2.5}: “fine” particulate matter; includes particles ≤ 2.5 micrometers in diameter (smoke, haze, metals, combustion particles, etc).



FINE PARTICULATE MATTER (PM_{2.5})

CURRENT STANDARDS VS PROPOSED

Primary – PM_{2.5} Annual

12.0 µg/m³ - annual mean, averaged over 3 years

Decrease to range of 9-10 µg/m³

Soliciting comments on lowering to 8-10 µg/m³

Secondary – PM_{2.5} Annual

15.0 µg/m³ - annual mean, averaged over 3 years

No change

24-Hour PM_{2.5}

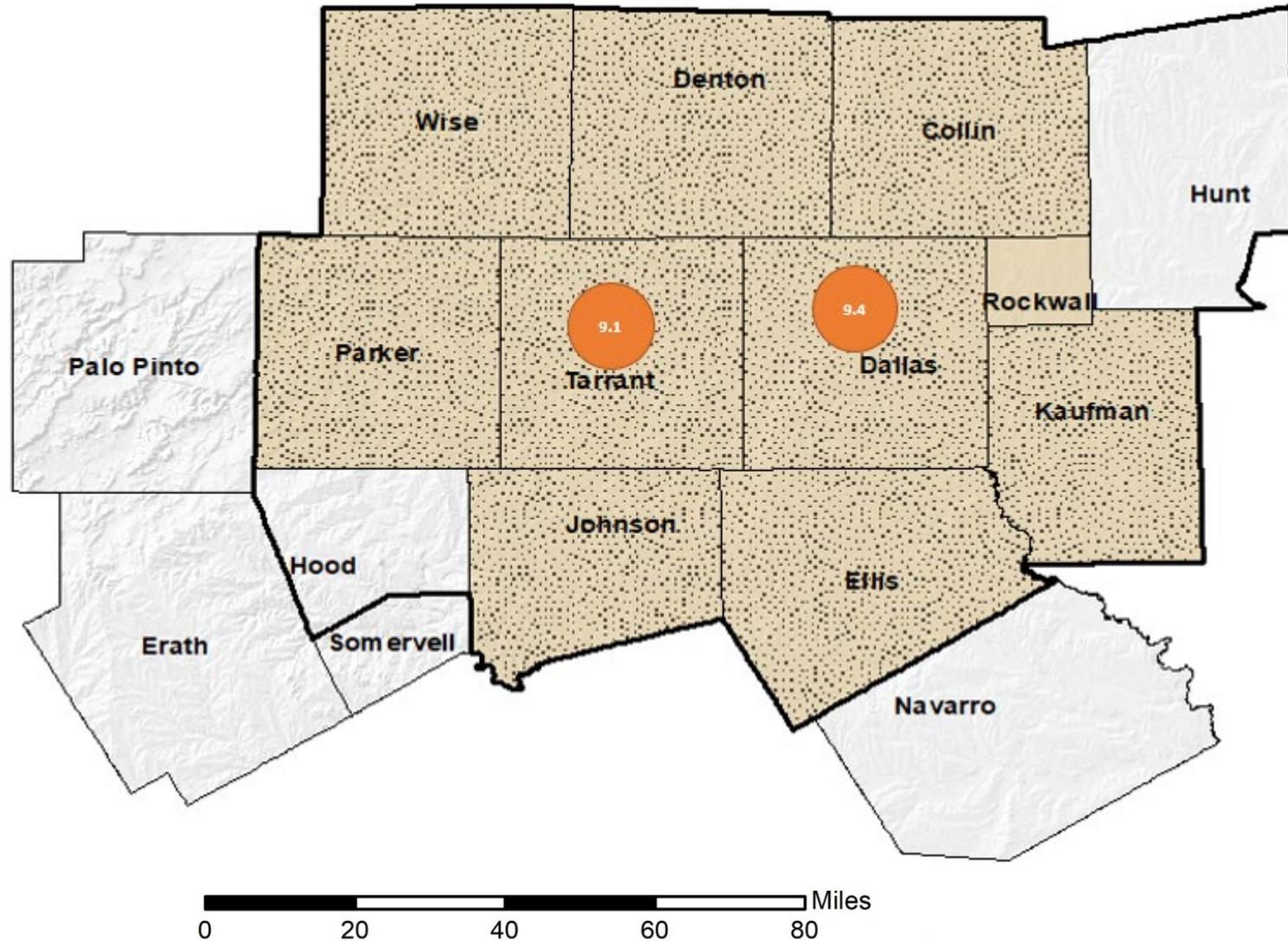
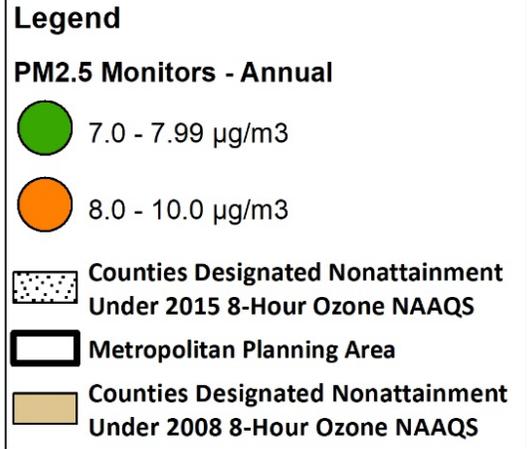
35 µg/m³ – 98th percentile, averaged over 3 years

No change

Soliciting comments on lowering to 25-30 µg/m³

FINE PARTICULATE MATTER (PM_{2.5})

MONITOR DESIGN VALUES GREATER THAN PROPOSED



FINE PARTICULATE MATTER (PM_{2.5})

IMPLICATIONS ON PROPOSED STANDARDS

Primary – PM_{2.5} Annual

Potential for parts of Dallas and Tarrant counties to be in nonattainment
Area designations based on updated values

Next Steps:

Coordinating with EPA and TCEQ on possible Advance Program
Meeting with City of Dallas and City of Fort Worth staff to begin
strategic planning

Secondary – PM_{2.5} Annual
None

24-Hour PM_{2.5}
None

RESOURCES

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

CLEAN

air

ACTION DAY

JUNE 2, 2023

THE FIRST FRIDAY IN JUNE



[AIRNORTHTEXAS.ORG/CLEANAIRACTIONDAY](https://airnorthtexas.org/cleanairactionday)





AIR NORTH TEXAS

Campaign Bi-monthly Quantification & Social Media Report

Air North Texas Coalition | May 18, 2023

Air North Texas Web Analytics

Visits	1,412	Increased	By 42% compared to 2022
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Avg. Time	1:10	Increased	By 1 second compared to 2022
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Pageviews	3,491	Increased	By 79% compared to 2022
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New Visits	1,382	Increased	By 44% compared to 2022
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Visits by Device



575

53% increase
compared to 2022



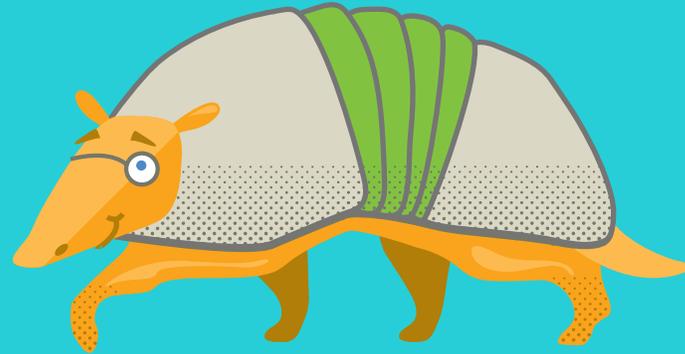
8

53% decrease
compared to 2022



830

37% increase
compared to 2022

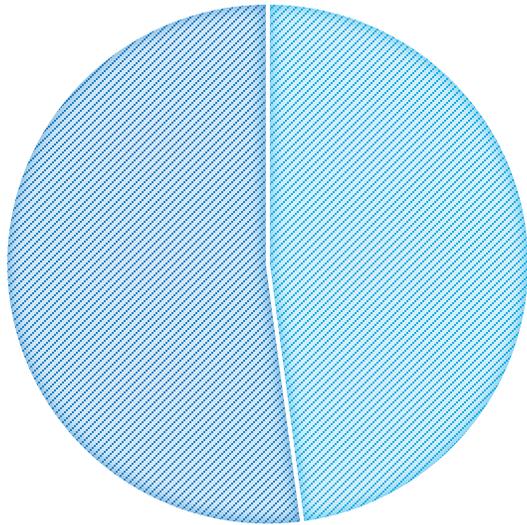


ANTx ANALYTICS

Visitor Demographics

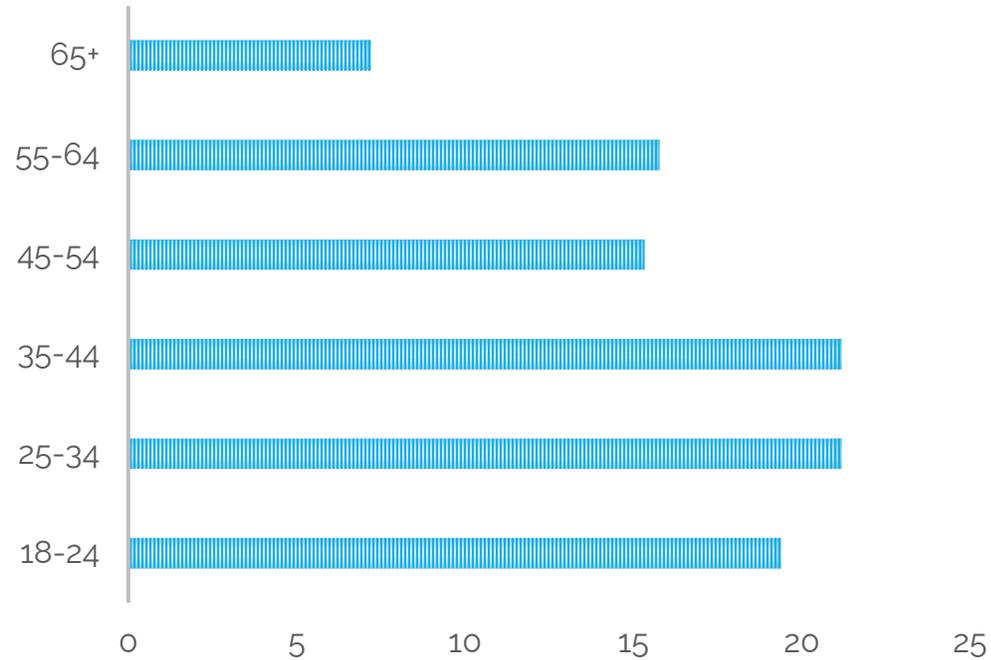
GENDER

■ Women ■ Men



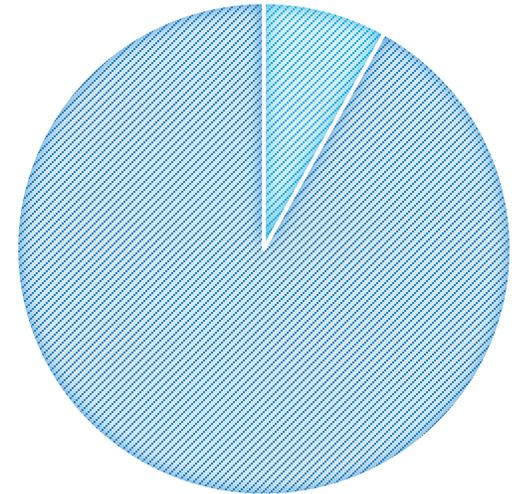
AGE

■ Age

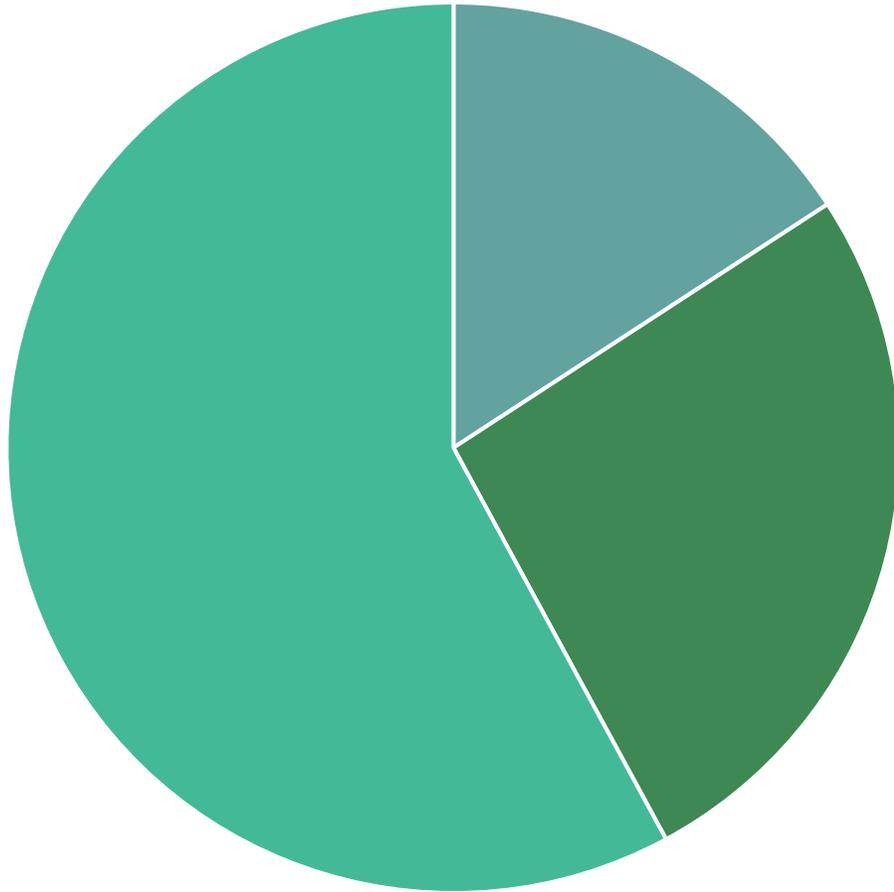


VISITORS

■ Returning Visitors ■ New Visitors

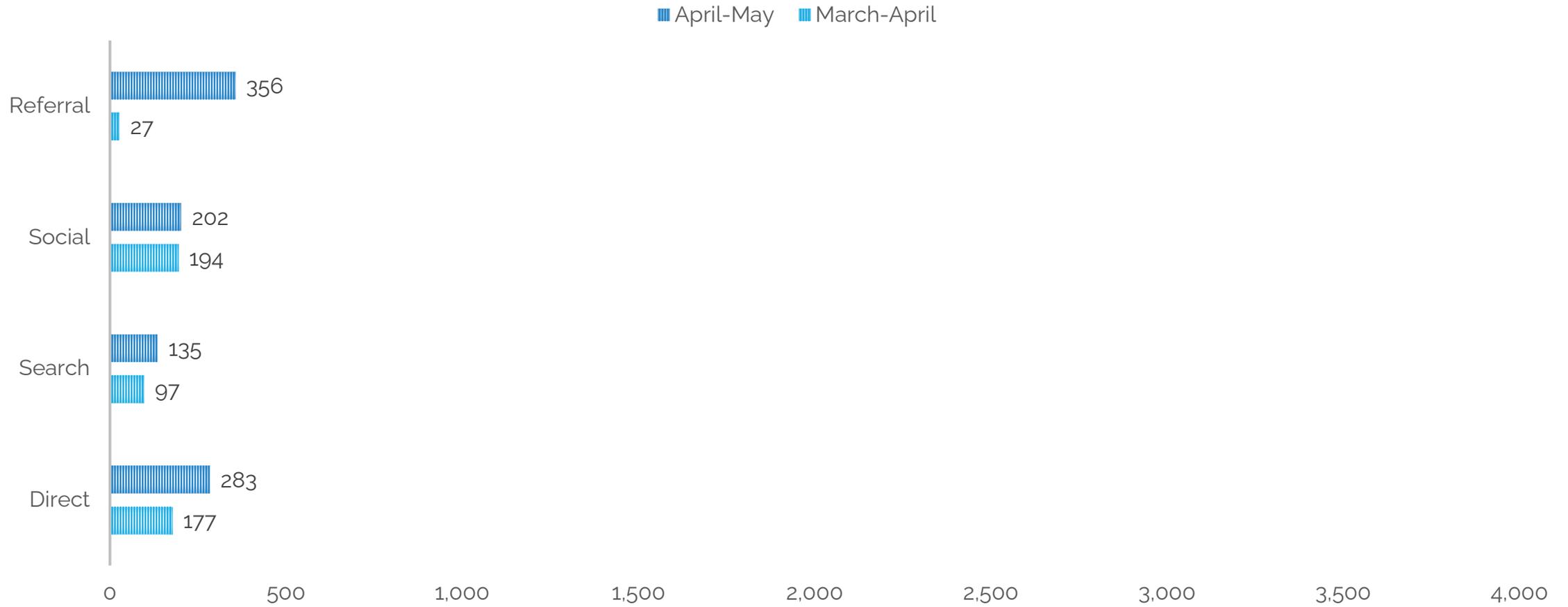


Top Directed Sites

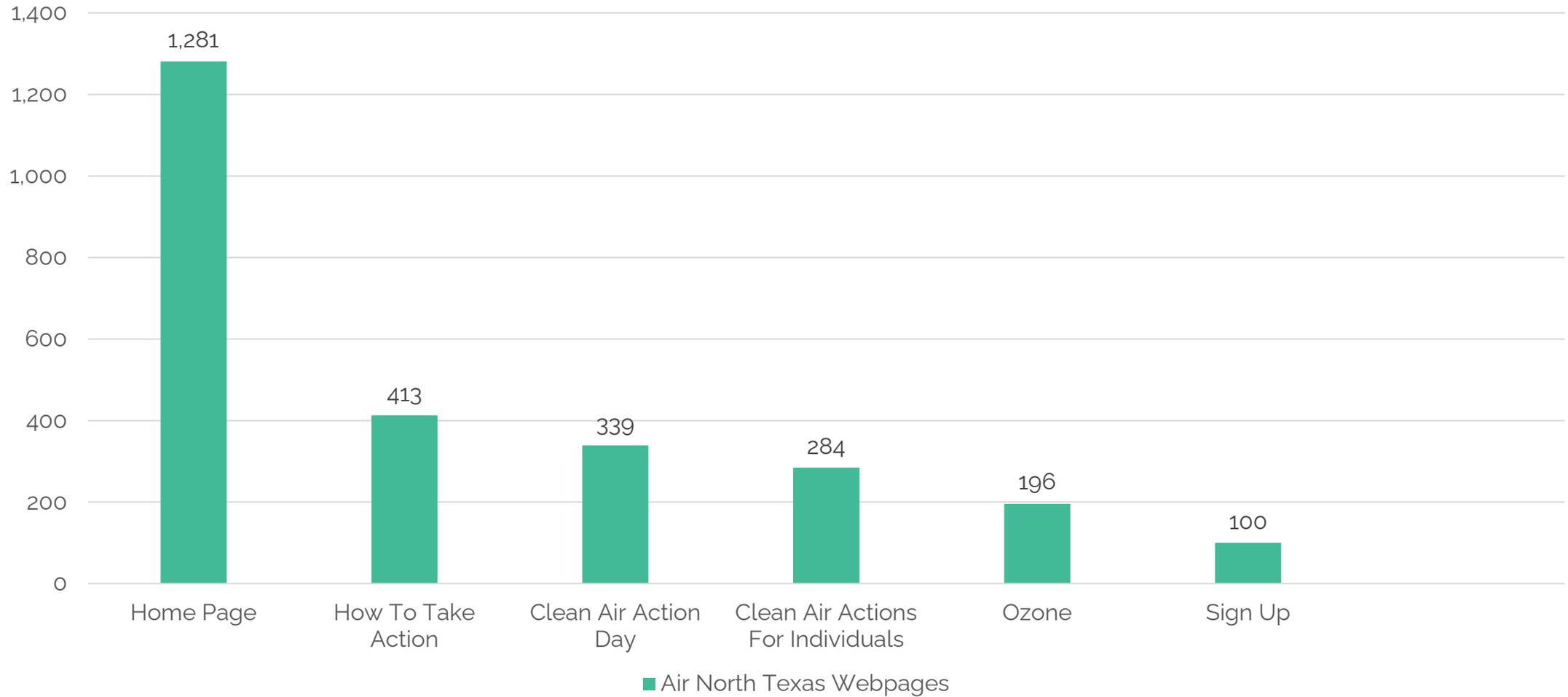


- City of Garland
- NCTCOG
- City of Grand Prairie

How Visitors Found Air North Texas



Top Pages Viewed





AIR NORTH TEXAS
PARTNERS



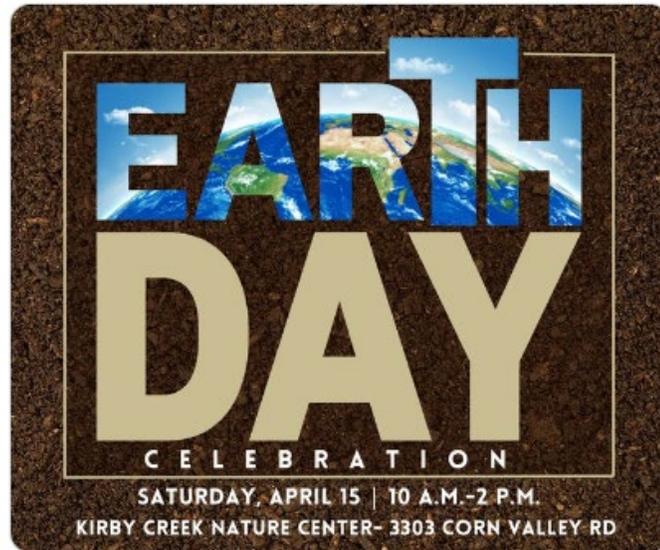
City of Grand Prairie - Municipal Government

@cityofgptx · Government Building



City of Grand Prairie, TX @gp_tx · Apr 4

Join us and celebrate Earth Day by receiving a FREE tree, enjoying animal encounters, and more! Trees will be available while supplies last on Saturday, April 15, from 10 a.m. to 2 p.m. at the Kirby Creek Nature Center. #AirNTX



2 4 364



City of Grand Prairie, TX @gp_tx · Apr 10

Come and celebrate Earth Day with us and receive a FREE tree, have fun making crafts, and more! Trees will be available while supplies last on Saturday, April 15, from 10 a.m. to 2 p.m. at the Kirby Creek Nature Center. #AirNTX



3 267





City of Grand Prairie - Municipal Government

@cityofgptx · Government Building



City of Grand Prairie, TX @gp_tx · Mar 13

LAST WEEK to submit your projects to the Love is in the Air Art Contest! All submissions are due on Friday, March 17, by 5 p.m. For complete guidelines, please visit gptx.org/Departments/Pu... #AirNTX #GetFitGP



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City of Grand Prairie, TX @gp_tx · Mar 17

Happy St. Patrick's Day from your air-friendly armadillo! Before heading out, stop by airnorthtexas.org to view the Air Quality Index (AQI) and see how our current air quality could affect you. #AirNTX



🗨️ 🔄 1 ❤️ 3 📊 207 📌



City of Grand Prairie - Municipal Government

@cityofgptx · Government Building



City of Grand Prairie, TX @gp_tx · Apr 14

Celebrate Earth Day with us TOMORROW and receive a FREE tree! The Earth Day celebration is happening on tomorrow from 10 a.m.- 2 p.m. at Kirby Creek Nature Center. To learn more about the event, please visit gptx.org/Community-Cale... #AirNTX



City of Grand Prairie - Municipal Government · Follow

April 28 at 3:20 PM · 🌐

Shopping at your local farmer's market is an easy way to reduce ozone impact during the season! Shopping at your local farmer's market helps minimize the amount of pollution from farmers and customers!

Stop by and visit the Grand Prairie Farmers Market tomorrow! #AirNTX



City of Grand Prairie - Municipal Government · Follow

March 17 · 🌐

Happy St. Patrick's Day from your air-friendly armadillo! Before heading out, stop by www.airnorthtexas.org to view the Air Quality Index (AQI) and see how our current air quality could affect you. Knowing when to limit outdoor activities during specific indices will help improve our air quality. #AirNTX





City of Grand Prairie - Municipal Government

@cityofgptx · Government Building

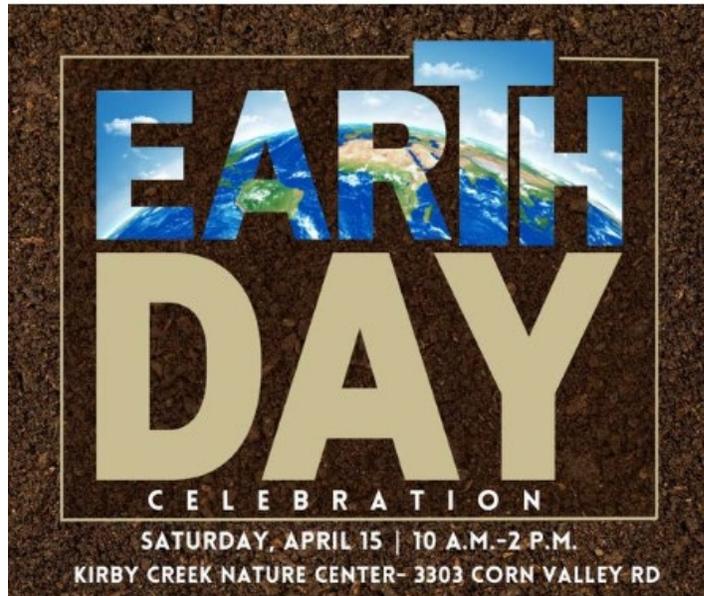


City of Grand Prairie - Municipal Government · Follow
April 4 · 🌐



Join us and celebrate Earth Day by receiving a FREE tree, enjoying animal encounters, and more! Trees will be available while supplies last on Saturday, April 15, from 10 a.m. to 2 p.m. at the Kirby Creek Nature Center.

Share it with a friend so they won't miss out! #AirNTX



City of Grand Prairie - Municipal Government · Follow
April 10 · 🌐



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NCTCOG Transportation Department

@NCTCOGtrans · Government Organization

NCTCOG Transportation Department
April 22 at 9:18 AM · 🌐

Happy #EarthDay! Arlo says we can make every day Earth Day when we take steps to improve our air quality. Learn how at AirNorthTexas.org.

#airntx #airquality #cleanair #environment



NCTCOG Transportation Department
6d · 🌐

Let's talk about air quality and our climate. Did you know that according to the EPA, carbon dioxide (Co2) makes up 79.4% of the greenhouse gases that trap heat in our atmosphere and affect our climate? Everyday activities like driving to work or powering our homes contribute to these emissions.

Discover your household's "carbon footprint" and what you can do to help improve our air quality and our climate: <https://www3.epa.gov/carbon-footprint-calculator/>

And don't forget ... See more



NCTCOG Transportation Department
May 3 at 9:26 AM · 🌐

Today's air quality topic is transportation. Emissions from cars, trucks, planes, even lawnmowers contribute to the air pollution in our area. Thankfully, there are just as many actions we can take to reduce these emissions, such as carpooling, choosing fuel efficient vehicles, or taking public transportation.

For more information and ideas for improving air quality, visit AirNorthTexas.org

#AQAW2023 #AirNTX





NCTCOG Transportation Department

@NCTCOGtrans · Government Organization



NCTCOGTransportation @NCTCOGtrans · May 5

Here is the air quality forecast for this weekend:

Saturday, May 6: Good (green)

Sunday, May 7: Good (green)

Monday, May 8: Good (green)

Sign up for Air Pollution Alerts and learn more at AirNorthTexas.org

#airquality #dfw #airmtx



NCTCOG Transportation Department

May 2 at 10:00 AM · 🌐

Today is #WorldAsthmaDay. Air pollution can irritate symptoms of asthma, especially on days when the air quality is worse. Take control by signing up for air quality alerts at AirNorthTexas.org and limit time outside until air quality is better.

Read more about air quality and asthma triggers: www.epa.gov/asthma/asthma-triggers-gain-control

#AQAW2023 #AirNTX





NCTCOG Transportation Department

@NCTCOGtrans · Government Organization



NCTCOG Transportation Department
May 5 at 10:08 AM · 🌐

Participatory science is when the public contributes to scientific knowledge and understanding of the environment. We have several air quality sensors in the DFW metroplex. Clean Air Action Day, coming soon on June 2, is another great way to get involved with helping the environment. Learn more about it here: airnorthtexas.org/cleanairactionday

#AQAW2023 #AirNTX #CAAD2023



NCTCOG Transportation Department
6d · 🌐

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NCTCOG Transportation Department
May 5 at 3:30 PM · 🌐

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Sunday, May 7: Good (green)

Monday, May 8: Good (green)... See more





NCTCOG Transportation Department

@NCTCOGtrans · Government Organization



NCTCOGTransportation @NCTCOGtrans · Apr 5
Did you know you can help our air quality by changing how you clean your home this spring?

Read more in the latest post from Clean Air Corner:
airnorthtexas.org/single-post/ai...

#springcleaning #airmtx #AirQuality



NCTCOG Transportation Department
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#AQAW2023 #AirNTX



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Air North Texas Coalition Web Page:

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

