

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

Agenda

1. Introductions Kimberlin To, NCTCOG
2. Overview
 - a. September 21 Meeting Kimberlin To
3. Discussion
 - a. Air Quality Update Jenny Narvaez, NCTCOG
 - b. Air North Texas Partner Award Winners Kimberlin To
 - c. Administrative Announcements/Reminders Kimberlin To
 - i. Clean Air Corner
 - d. Website Quantification/Social Media Report Alissa Soto, NCTCOG
 - e. New Outreach Items Jackie Castillo, NCTCOG
 - f. 2024 Schedule Kimberlin To
4. Other/Member Updates Kimberlin To
5. Additional Items Kimberlin To
 - a. **Next Meeting Information:**
Thursday, January 18
Conference Call
Information TBD



End of Ozone Season Recap

**Air North Texas
November 30, 2023**

Jenny Narvaez



Emission Monitoring

National Ambient Air Quality Standards (Criteria Pollutants)

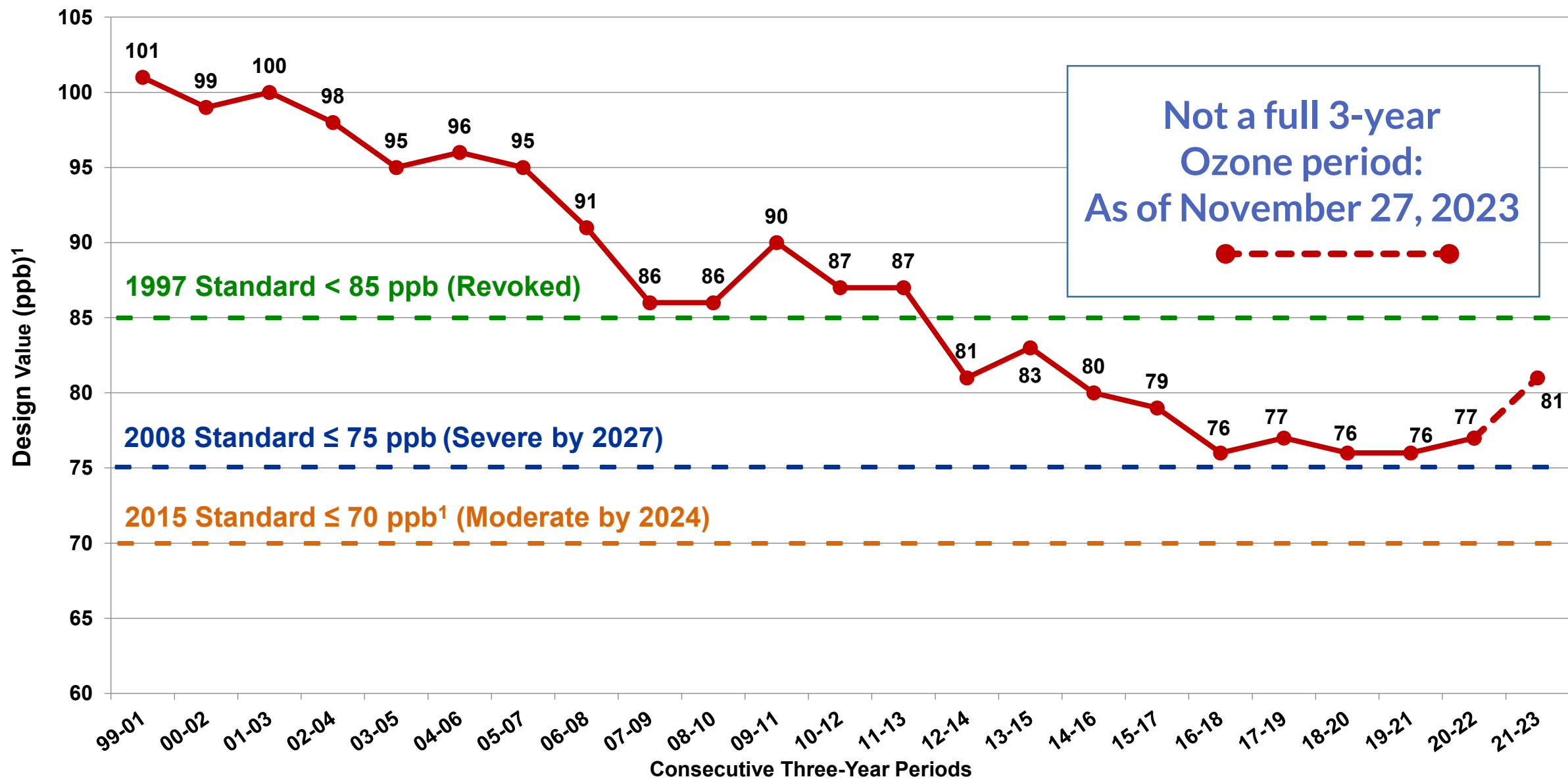
	<u>Attainment</u>	<u>Nonattainment</u>
Ozone		
Lead		
Carbon Monoxide		
Nitrogen Dioxide		
Particulate Matter		
Sulfur Dioxide		Partial Nonattainment In Navarro County Due to Aggregate Plant

Monitoring and Increased Regulations

Greenhouse Gas Emissions (i.e., Carbon Dioxide)



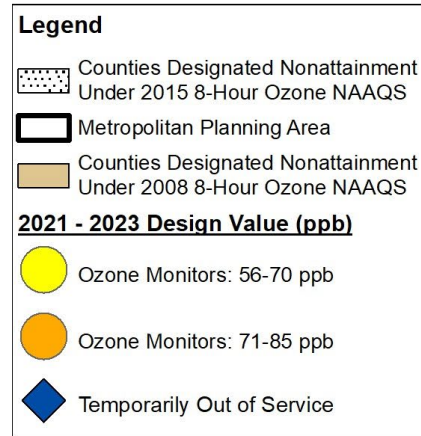
Ozone Design Value Trends



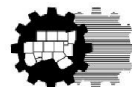
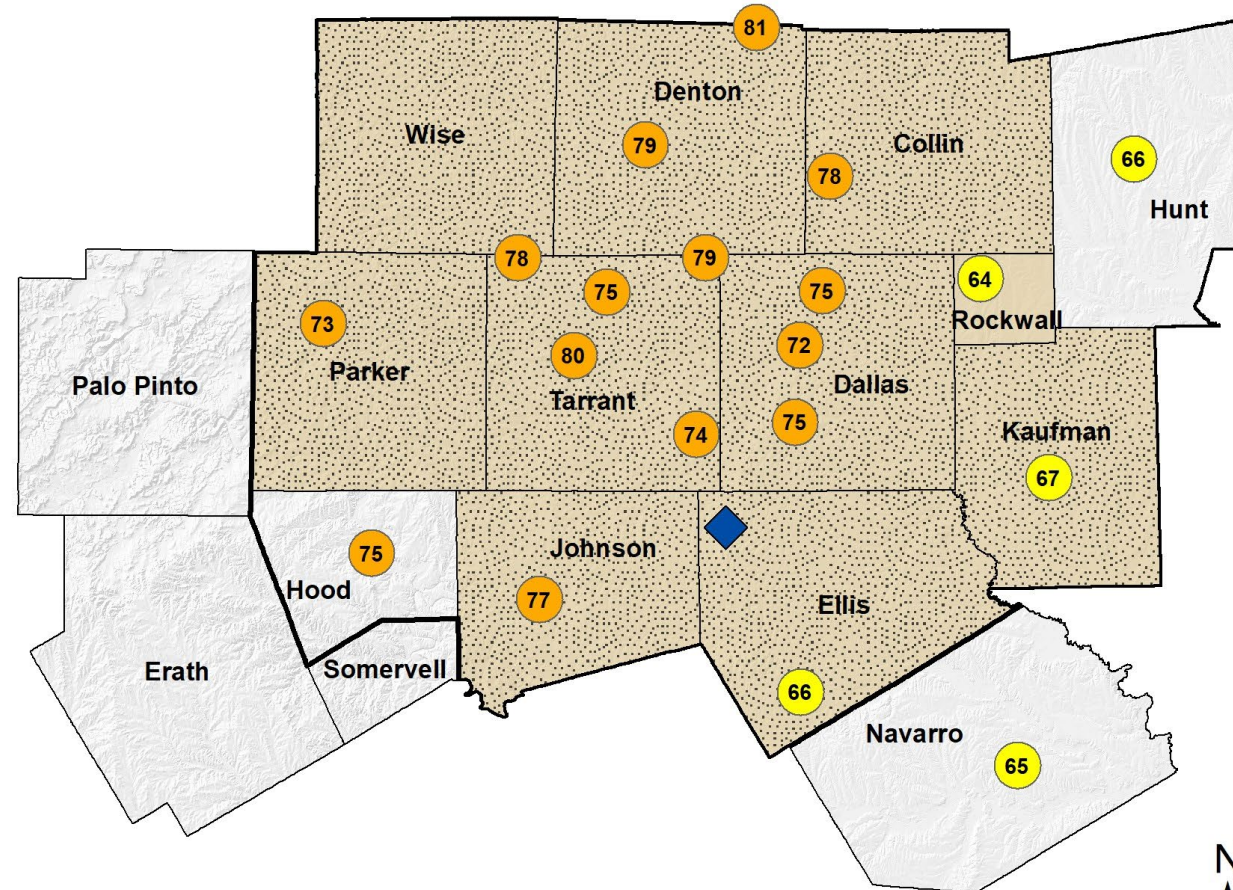
¹Attainment Goal - According to the US EPA National Ambient Air Quality Standards, attainment is reached when, at each monitor, the *Design Value* (three-year average of the annual fourth-highest daily maximum eight-hour average ozone concentration) is equal to or less than 70 parts per billion (ppb).

Monitor Locations with Associated Fourth Highest Value

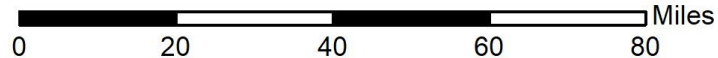
As of November 27, 2023



Colors represent Air Quality Index Breakpoints



North Central Texas
Council of Governments



November 2023

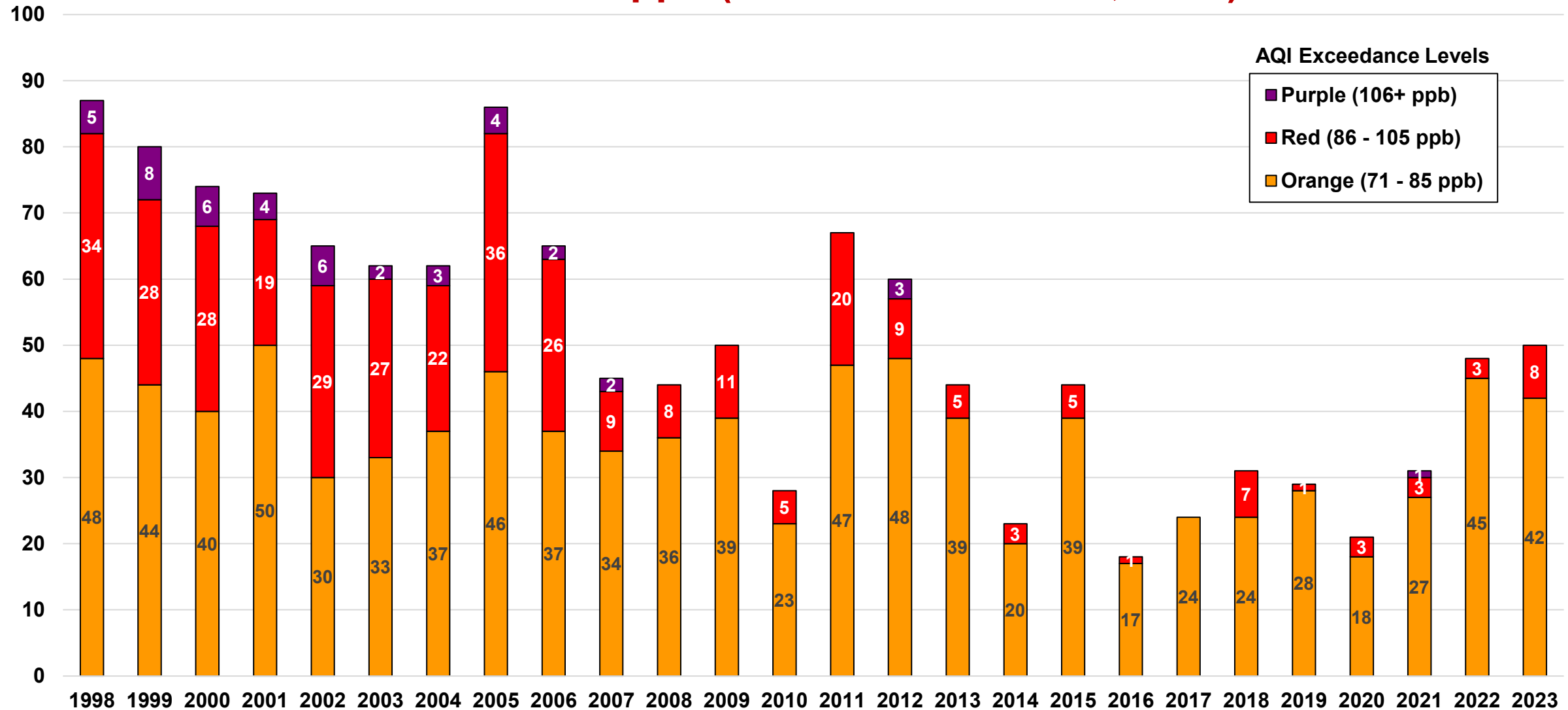
Prevailing Wind
Direction During
Summer Ozone
Season



End of Ozone Season Recap

8-Hour Ozone National Ambient Air Quality Standards - Exceedance Trends

Based on ≤ 70 ppb (As of November 27, 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 NAAQS = National Ambient Air Quality Standards

Timeline and Milestones

2008 Ozone Standard (≤75ppb)

Attainment Date:
No later than **July 20, 2027**

*Attainment will be based on
2024-2026 Ozone Monitor Data*

*Severe designation = Section
185 fees if unable to reach
attainment

EPA Ozone Classifications

Marginal
(3 years to attain)

Moderate
(6 years to attain)

Serious
(9 years to attain)

Severe
(15/17 years to attain)

Extreme
(20 years to attain)

2015 Ozone Standard (≤70ppb)

Attainment Date:
No later than **August 3, 2024**

*Attainment will be based on
2021-2023 Ozone Monitor Data*

Preliminary Ozone Season
Monitor Value = 81ppb

Governor submitted voluntary
reclassification to EPA (10-12-2023)

TCEQ indicated assistance need
for emission reduction strategies



2023 Ozone Season (as of November 27, 2023)

Top 10 Monitors	4 th Highest Value for Season			Ozone Season Monitor Value -2023	State Air Quality Plan Model Value -2023
	2021	2022	2023		
Pilot Point	85	77	81	81	71
Fort Worth Northwest	76	80	84	80	70
Grapevine Fairway	75	78	84	79	72
Denton Airport South	81	78	78	79	70
Frisco	81	73	82	78	73
Eagle Mountain	76	77	81	78	72
Cleburne Airport	75	82	75	77	72
Keller	74	72	80	75	71
Dallas Executive	70	77	79	75	68

NO_x and VOC Emissions Apportionment

DFW 10-County Nonattainment Area Nitrogen Oxides (NO _x) (tons/day)						
Sources	Analysis Years				% Change from 2006 to 2023	% Change from 2023 to 2026
	2006	2017	2023	2026		
On-Road Mobile	284.27	130.77	72.30	60.20	-75%	-17%
Non-Road Mobile	98.06	45.54	34.38	32.03	-65%	-7%
Off-Road Mobile	32.92	25.24	23.59	24.59	-28%	4%
Point (All sources)	57.55	54.80	42.34	42.00	-26%	-1%
Oil & Gas (Production & Drill Rigs)	80.07	13.87	3.61	1.86	-95%	-48%
Area	29.02	26.55	31.33	32.17	8%	3%
Total	581.89	296.77	207.55	192.85	-64%	-7%
DFW 10-County Nonattainment Area Volatile Organic Compounds (VOC) (tons/day)						
Sources	Analysis Years				% Change from 2006 to 2023	% Change from 2023 to 2026
	2006	2017	2023	2026		
On-Road Mobile	116.50	64.91	38.74	33.27	-67%	-14%
Non-Road Mobile	64.69	34.01	42.68	44.12	-34%	3%
Off-Road Mobile	5.74	3.66	4.60	4.86	-20%	6%
Point (All sources)	50.44	47.38	23.53	23.56	-53%	0%
Oil & Gas (Production & Drill Rigs)	44.88	32.18	24.72	11.80	-45%	-52%
Area	290.46	236.70	265.77	275.73	-9%	4%
Total	572.71	418.84	400.04	393.34	-30%	-2%

Air Quality 2.0 - Path Forward

Diesel Engines

Idling

Tampering

Locomotives

Construction Equipment

Vehicle Inspection Fraud

Vehicle Miles Traveled

Low Speeds

Hard Accelerations

Cold Starts

Photochemical Modeling

State and National Transport

Weather/Meteorology/High Temperatures

Coal Power Plants

Politics

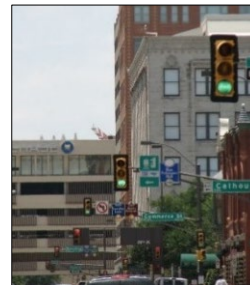
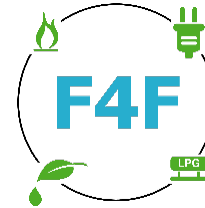
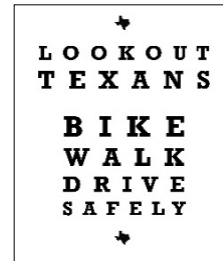
Energy Consumption



Sample of Mobile Source Air Quality Initiatives



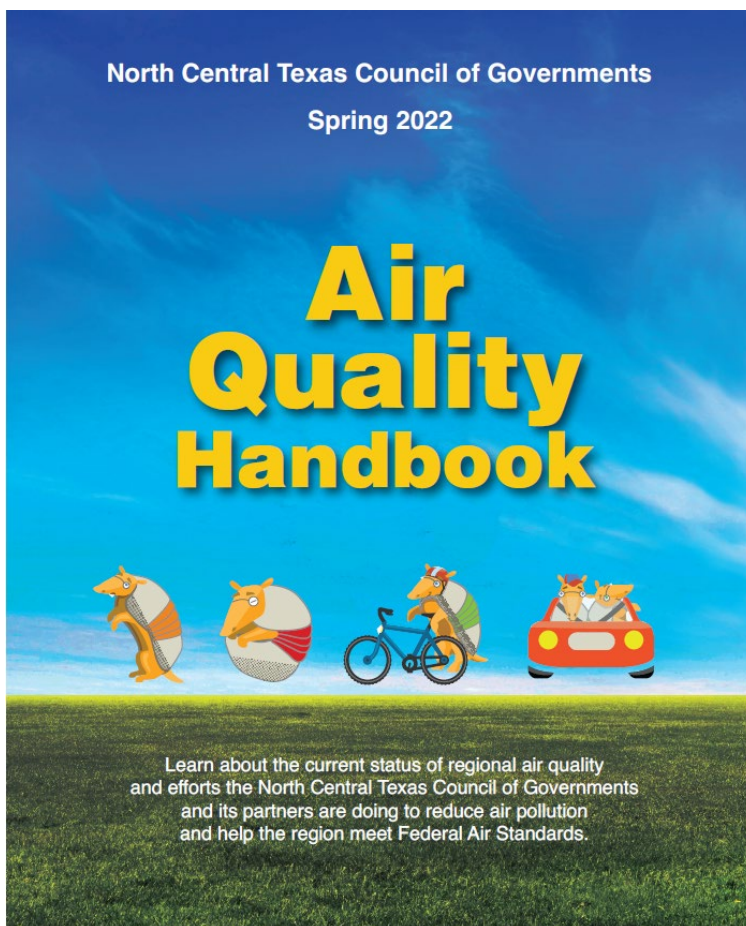
Rideshare. Record. Reward.



Air Quality Handbook

Multilingual

English



https://nctcog.org/nctcg/media/Transportation/DocsMaps/Quality/Air/AQ2022printer_Spring.pdf

Spanish



<https://www.nctcog.org/nctcg/media/Transportation/DocsMaps/Quality/Air/AQ2022SPANISH.pdf>

Vietnamese



<https://www.nctcog.org/getmedia/787b9fe9-94d9-4d76-9701-020876a06e61/AQHbkViet.pdf>

For More Information

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





***AIR NORTH TEXAS
PARTNER AWARDS***

***THE AWARD FOR OUTSTANDING ACHIEVEMENT
IN INITIATIVE IS AWARDED TO
CITY OF PLANO***



2023

Outstanding Achievement In Initiative

Awarded to

City of Plano

For exceptional support of Air North Texas



***THE AWARD FOR OUTSTANDING ACHIEVEMENT
IN EDUCATION IS AWARDED TO
CITY OF GRAND PRAIRIE***



2023

Outstanding Achievement In Education

Awarded to

City of Grand Prairie

For exceptional support of Air North Texas



***THE AWARD FOR OUTSTANDING ACHIEVEMENT
IN OUTREACH IS AWARDED TO
CITY OF DENTON***



2023

Outstanding Achievement In Outreach

Awarded to

City of Denton

For exceptional support of Air North Texas



THE ARLO AMBASSADOR AWARD GOES TO CITY OF GRAND PRAIRIE



2023

Arlo Ambassador

Awarded to

City of Grand Prairie

For exceptional support of Air North Texas





***AIR NORTH TEXAS
PARTNER OF THE
YEAR AWARD***



City of Cedar Hill



AIR NORTH TEXAS

Campaign Bi-monthly Quantification & Social Media Report

Air North Texas Coalition | November 30, 2023

Air North Texas Web Analytics

Visits	2,878	Decreased	By 18% compared to previous period
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New Visits	2,842	Decreased	By 16% compared to previous period
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Returning Visits	236	Decreased	By 28% compared to previous period
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Avg. Time	00:59	Increased	By 73% compared to previous period
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Visits by Device



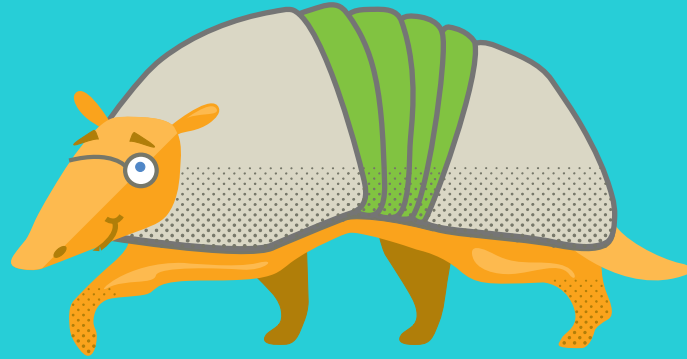
2,190



32

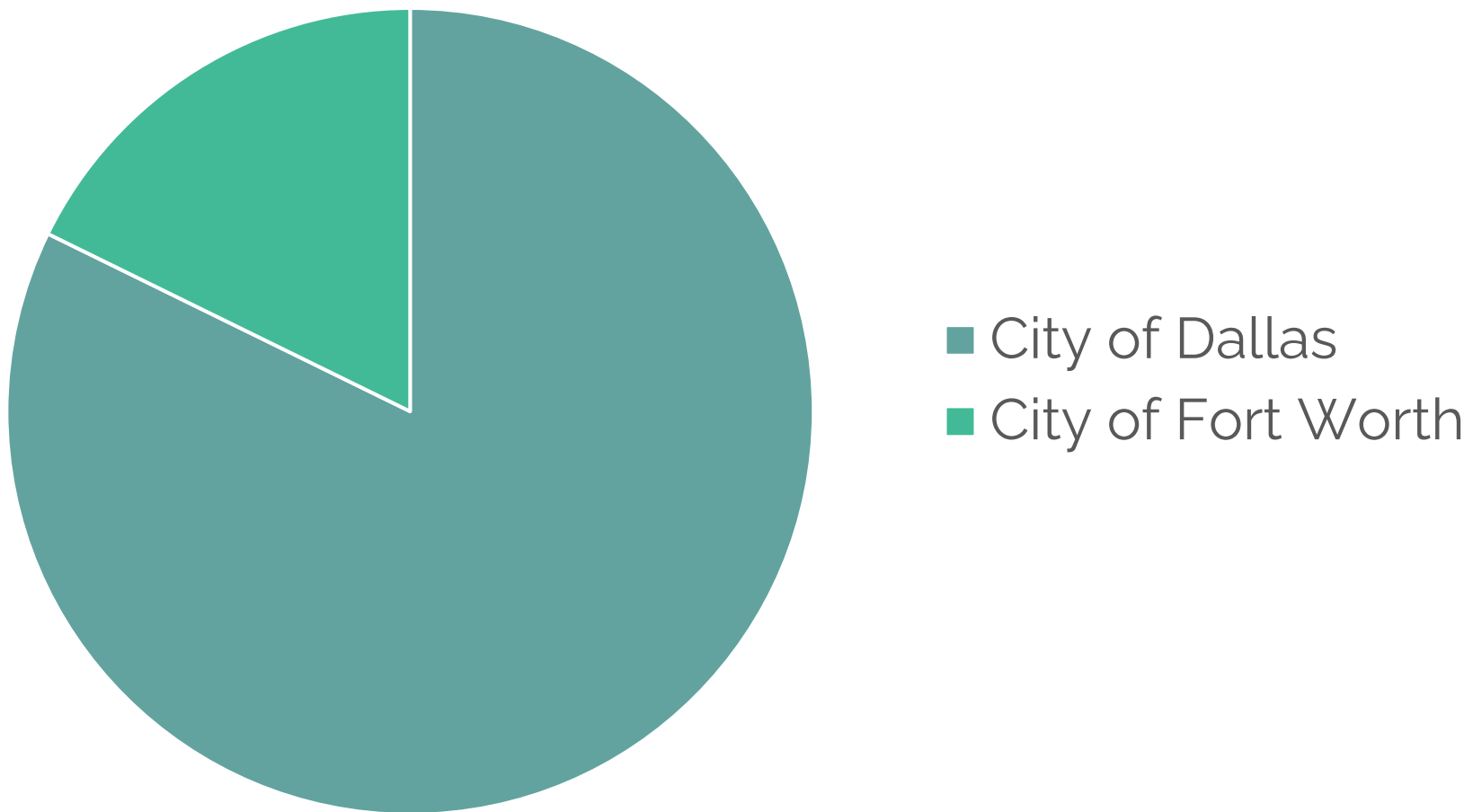


668

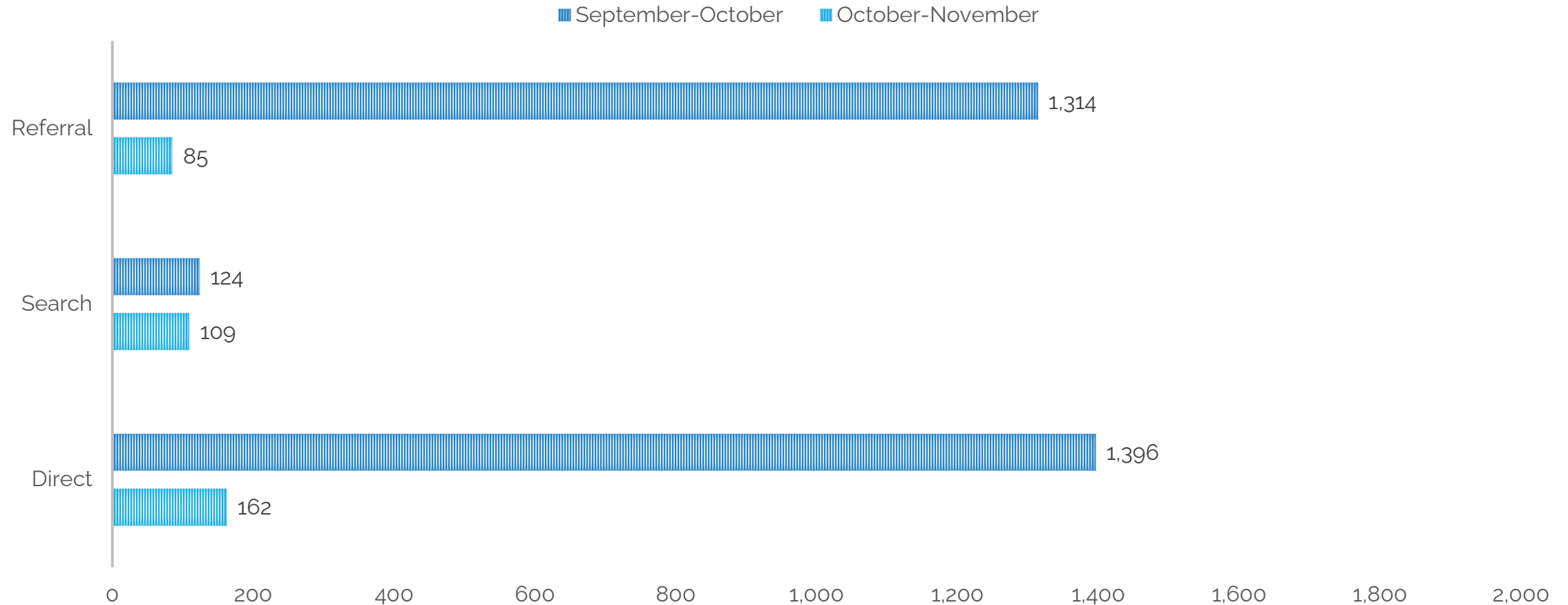


ANTx ANALYTICS

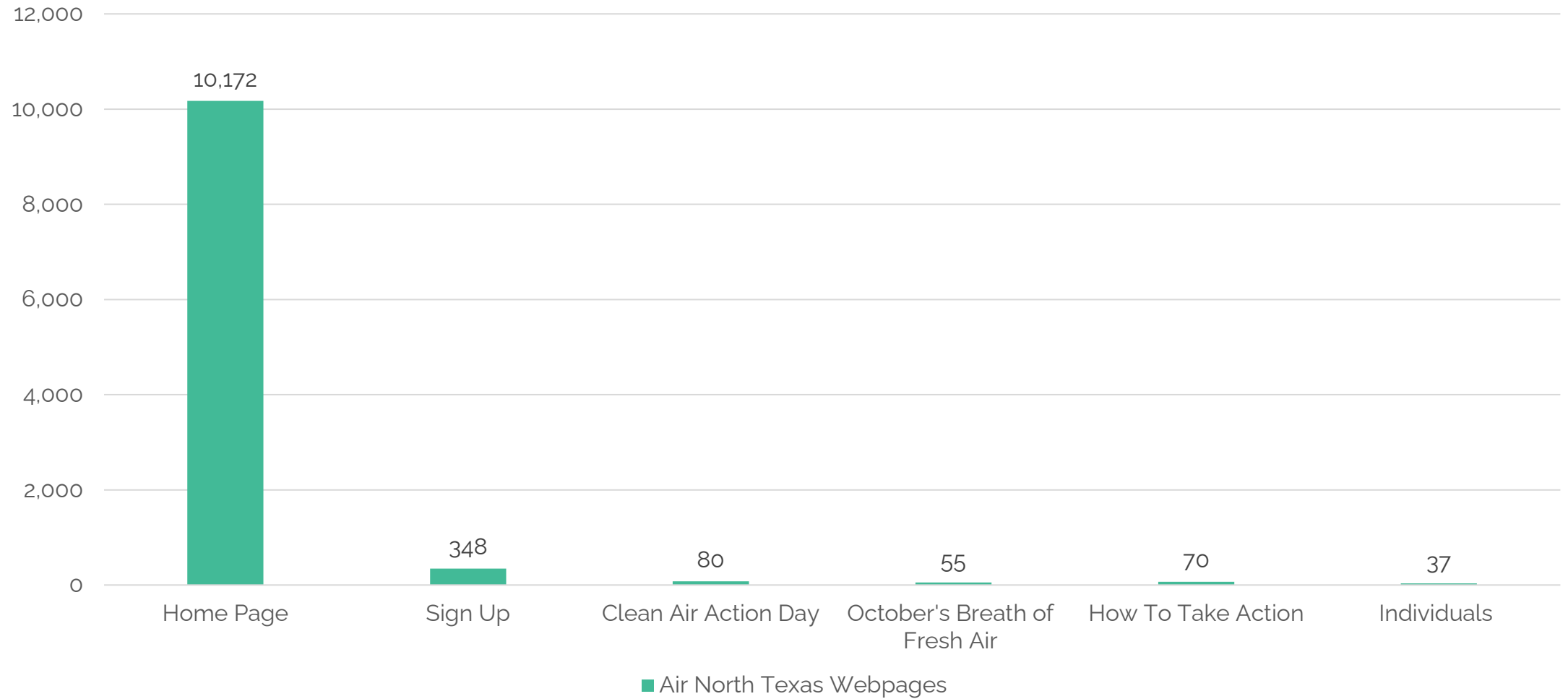
Top Directed Sites



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 · Oct 29

Bike or Walk in your costume this Halloween like Arlo. Riding your bike or walking is a great way to reduce the ground-level ozone your car creates. #AirNTX

To learn more ways to reduce air pollution, visit ow.ly/8trf50PW6aC.



1 3 333



City of Grand Prairie, TX @gp_tx · Sep 15

Clean Air Tip: Riding together or bicycling to destinations decreases the amount of dust and exhaust in the air and saves you gas! Find more tips at ow.ly/nH1R50PMh1o #AirNTX



2 263



City of Grand Prairie, TX @gp_tx · Oct 11

If pumpkin carving is an activity for you, consider using all the pumpkin:
- seeds for snacking or a future pumpkin patch
- pulp for a delicious baked good
- skipping the paint to make your pumpkin compostable #AirNTX

To learn more, visit ow.ly/ljpZ50PVQfZ



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City of Denton Sustainability

2.8K followers • 47 following



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Air North Texas Coalition Web Page:

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





Air North Texas Coalition Meeting Schedule - 2024

Conference Calls

Time/Day: 1:30 – 3:00 p.m. / Thursdays – every other month

Call # – TBD

Participant PIN – TBD

On-Site Meetings

Time/Day: 1:30 – 3:00 p.m. / Thursday, May 16, 2024

1:30 – 3:00 p.m. / Thursday, November 21, 2024

Location: NCTCOG – Fred Keithley Conference Room
616 Six Flags Drive
Arlington, Texas 76011

Schedule

January 18	Conference call
March 21	Conference call
May 16	On-site meeting
July 18	Conference call
September 19	Conference call
November 21	On-site meeting

** Calls for Presentations from partners accepted two-weeks prior to on-site meetings.*