Air North Texas Coalition Thursday, January 18, 2024 1:30 – 3:00 pm

<u>Agenda</u>

1.	Introdu	ctions	Kimberlin To, NCTCOG
2.	Overvie	ew	
	a.	November 30 Meeting	Kimberlin To
3.	Discus	sion	
	a.	City of Grand Prairie Presentation	Cindy Mendez, Grand Prairie
	b.	Air Quality Update	Jenny Narvaez, NCTCOG
	C.	Administrative Announcements/Reminders	Kimberlin To
		i. Outreach Items	
		ii. Clean Air Corner	
	d.	Website Quantification/Social Media Report	Alissa Soto, NCTCOG
	e.	Event Reminders	Jackie Castillo, NCTCOG
4.	Other/N	Member Updates	Kimberlin To
5.	Additio	nal Items	Kimberlin To
	a.	<u>Next Meeting Information:</u> Thursday, March 21 Conference Call: 1 903-508-4574 Phone Conference ID: 457 153 617#	





Partnership Update

January 18, 2024



Fulfill Mission

Public Health & Environmental Quality advocates and ensures responsible health and environmental practices for the protection of human health and environmental health through monitoring, oversight, and education.

Promote ANT Incorporate Messaging

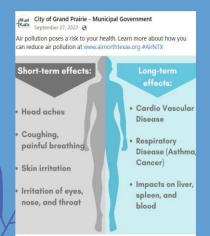
Social Media Billboards Vehicle Wraps Promotional Items Education Events Clean Air Challenge Clean Air Action Day

Goals

City Website Pipeline Newsletter Newsletters Environmental Education

Social Media

☆In 2023, the city posted 38 social media messages *Posts among the platforms reached over 25,000 viewers.



City of Grand Prairie - Municipal Government

01

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

SHOP AT FARMERS MARKET



Facebook



This Valentine's Day, find your meaningful gift locally. Shopping locally reduces carbon emissions, air pollution, and packaging waste. Find more ways to show your love for clean air at airnorthtexas.org, #AirNTX



1:10 PM - 2/9/23 from Earth - 262

Twitter



00 18 likes

cityofgptx Arlo is still an advocate for clean air, are you? It is never too late to take action -- by signing up for air pollution alerts you can stay up to date with the air quality index and learn which clean air choice you can make today!

Visit airnorthtexas.org to learn more. #AirNTX #GPTX

Facebook

00 10

Instagram

PHEQ published seven different newsletters with airrelated articles that represented Air North Texas.



Wee Care- 200 mailed to childcare businesses



Auto Watch- 600 mailed to automotive businesses



H2O Line- 100 mailed and 400 sent via Constant Contact

Microwave Ovens and Safe

We retrieve can be a convenient and last way to dotted the set of the set of



Serving High Risk Populatio



Food for Thought- 500 English, 200 Spanish, and 77 sent via Constant Contact

- Four clean air-related articles •••• were published in the Pipeline Direct newsletter.
 - •••• 44,00 publications were sent out to residents each time and posted on website.
- Four Get Fit newsletters with ••• Air North Texas-related events.
 - Reached more than 14,000 ** subscribers each month.

UPTOWN THEATER Enjoy spectacular shows at Grand Prairie's Uptown Theater, 120 E. Main St. For tickets and information, call 972-237-8786 or visit uptowntheatergp com.	LIBRA Main L Visit th
Frazen Jr. Presentel by the Grand Prairie Arts Council July 23-29 Children from the Grand Prairie Arts Council theater camp will perform this en- chanting, modern Dianey classic. The show features all of the memorable songa- from the animated film, but for personary sorties for the Boodwayer produc- form the animated film, but for personary sorties for the Boodwayer produc- tion the animated film, but for personary sorties for the Boodwayer produc- tion film.	Clearanc great be Thurs . Fri. Ju Sat. Ju
The second secon	CL The Cle Prairie miti a partnershi continued c mitment be city leaders owners to e ness and on as a top pri Prairie
Lubrary Summe Activities For Children Ataliane and the second sec	What y home: • Mair grass • Kee and • Mai To lear Prairie initi cleanprairie
Wildlife on the Move, Wednesday, July 19 at 6;30 p.m. Warmack Library, 760 Bardin Rd. Do you like anakes, tarantulaa or hissing cockroaches? Meet and learn about a variety of cool reptiles and creatures from all over the world.	S O: Air No
Dallas Zoo: Animal Adventures Friday, August 8 from 11-11:30 a.m. and 11:45-12:15 p.m.	a regional p awareness

Main Library, 901 Conover Dr.

· Colinsey 101: July 10, 14

· World Flavors: July 17-21

· Creating Your Own Menu: July 24-28

IGN UP FOR ONE ALERTS rth Texas. ublic and partnership that Arlo wants you to be air award This program will feature six to eight animals including a variety of birds, mamseeks to improve air mals and reptiles. Email Jennifer at illusk@gptx.org to register beginning July quality in North Texas, sends out 10. You may register your family for one program time only. pollutant-specific air pollution alerts when pollutants such as ozone cause air quality to reach the unhealthy CULINARY SUMMER CAMP

The Epic. 2960 Epic Pl + 9:30 a.m.-1:30 p.m. 1. Visit the Air North Texas website or scan the OR code Ages 12-15. Let your student gain confidence in the kitchen through this 2. Click on "Sign up for Air comprehensive course! Each week is designed to build on one another but can Pollution Alerts he enjoyed in one-week blocks. I imited snots available. For more information Fill out the form and to register, visit JoinTheEpic com/culinary-arts aptx.org YouTube.com/cityofgptx [m] Twitter(@gp Ix)

RY BOOK SALE brary, 901 Conover Dr e Friends of the Library e Sale July 13 - 15. Find oks for only .25 apiece! luly 13, 10 a.m. - 5 p.m. aly 14, 10 a.m. - 5 p.m. ly 15, 10 a.m. - 4 p.m. EAN PRAIRIE

hin residents and business sure community cleanly lerliness is always valued ority in the City of Grand ou can do to participate at

ain landscaping and keep your property litter free free of elutter ntain fencing and exterior

more about the Clean ative, please visit gptx org.

227 Want to sign up for free today?



Back by Popular Demand



Mayor's Community 5K Saturday, April 1 9 a.m.- 12 p.m. Farmer Market | 120 W. Main St.

Join Mayor Ron Jensen as he kicks off the Cyclin' with the Mayor series with a community 5K. Participants may walk, stroll, or run.

Kids may enjoy FREE face painting. games, and a meet and greet with Spiderman, Wonder Woman, and Superman

Free t-shirts will be available while supplies last.

Earth Day Celebration

Saturday, April 15 10 a.m.-2 p.m. Kirby Creek Nature Center 3303 Corn Valley Rd.

Join us as we celebrate Earth with a day full of family friendly-activities and a FREE tree giveaway!

KIRBY CREEK NATURE CENTER Kids can enjoy animal encounters. 3303 CORN VALLEY RD. education, games, crafts, and more.

> Trees will be available on a first come, first serve basis while supplies last.

EARTH

CELEBRATION

10 A.M.- 2 P.M

FREE EVENT

SATURDAY

APRIL 15





Four digital "Do your Part" billboards were displayed from July 4, 2022 – July 31, 2022, with ~2.8M impressions.

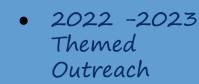
Five digital "2 Things To Avoid This Summer" billboards were displayed from July 3, 2023 - July 30, 2023 with an estimated 4.1M impressions.



AIR NTX



• Education Events



IMPROVING AIR QUALITY



• 3 Electric Vehicles

O7 Clean Air Action Day

• For Residents





Ran a social media campaign for residents the month leading up to Clean Air Action Day.

 City Website Banner – Main Page

For Staff



The PHEQ department hosted a Clean Air Action Day celebration.





Clean Air Action Day

For City Employees



Free concert series 6:30-8 p.m. Farmers Market, 120 W. Main St.

Weekly Friday-Sunday Thoroughbred Horse Racing Lone Star Park 1000 Lone Star Parkway Tickets and Information

Saturdays Farmers Market 8 a.m.-1 p.m.

120 W. Main St. GrandFunGP.com

Saturday, June 3 Crawfish Boll 10 a.m.-1 p.m. Live music, local vendors, game and crawfish Farmers Market 120 W. Main St. GrandFundPeom

Saturdays Farmers Market

Farmers Market, 120 W. Main St.

Saturday, June 3 Summer Reading Kick Off Party Face painting, photos with favorite characters, crafts and activities 10 a.m.-noon Main Library, 901 Conover Dr.









Menu items include American and Mexican food including pancakes, eggs to order, omelets, breakfast burritos, burgers, sandwiches, salads and desserts. Hours are Monday-Saturday, 8 a.m.-3 p.m.

New Photo Spot



Enjoy a great new Photo Oppl Newly installed heART Art at PlayGrand Adventures, 2100 Epic Place. Art by Jodi Pope. Facing Epic Place on exterior of fence surrounding the park.

New Development





Clean Air Industry Challenge



 On November 9, 2022, the Environmental Awards Luncheon held on recognized two industries for their outstanding commitment to clean air.

 11 industries participated and yielded a total of 200 pledges.

Art Contest 11 FOR CLEANER AIR IN G





About

Get Fit GP invites you to show your love for clean air by creatively expressing ways we can reduce air pollution and improve our health. Contest is open to all ages. All forms of art are accepted.

Prizes

FOR EACH CATEGORY 1st Place \$75 gift card

2nd Place \$50 gift card

3rd Place \$25 gift card GRAND PRIZE WINNER

Rules

Will receive a Fujifilm Instax with film!

Elementary Middle/ High School

Categories

Adults 18-54

· Adults 55+

Deadline

1.9 .

or visit us online at www.gptx.org/ getfitgpartcontest. Winning artwork will be posted on the Get library.

Information

Friday, March 17 at 5 p.m.

If you have any questions please call the Public Health and Environmental Fit GP website and will be displayed at the Main

More

Quality Department at (972) 237-8055 GRand PRAikle PUBLIC HEALTH &

· Contestant needs to reside, work, or attend school in the City of Grand Prairie.

- Submissions can be dropped off at the Public Health and Environmental Quality Department located at 300 W. Main St., 2nd floor, Grand Prairie Tx, 75050 or via email at bsegovia@gptx.org.
- Project may be in the form of your choice (e.g. poster, photo, video, poem, model, Snapchat, etc.) and should represent ways we can reduce air pollution and improve our health.
- Videos may be no longer than 30 seconds.
- Photographs and Snapchat art must be 1) digital 2) less than 2MB 3) taken in Grand Prairie 4) show location and date taken 5) submitted digitally only to bsegovia@gptx.org.
- · This form must be completed and attached to the art if not submitted via email.
- Submissions are judge based on artistic creativity and message content.

*** By entering this contest, the contestant agrees to give the City of Grand Prairie permission to use submittals in future publications and displays.

Artist name Email or phone number Title of project Age If in school, grade_ School name

If in school, please provide your teachers name, phone, and email.

12 Promotions









13 Community Engagement



Attended and hosted a total of 17 community events with 3,638 total participants.



Thank You!



Current Air Quality Status

Air North Texas Coalition January 2024

Jenny Narvaez



Emission Monitoring

National Ambient Air Quality Standards (Criteria Pollutants)



Monitoring and Increased Regulations

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



Current and Proposed PM Standards

PM_{2.5} Primary Annual Standard

- $^{\circ}$ Current: 12.0 µg/m³ annual mean, averaged over 3 years
- **Clean Air Scientific Advisory Committee (CASAC) Recommendation: 8-10 μg/m³**
- EPA Proposal: 9-10 μg/m³

PM_{2.5} 24-hour Standard

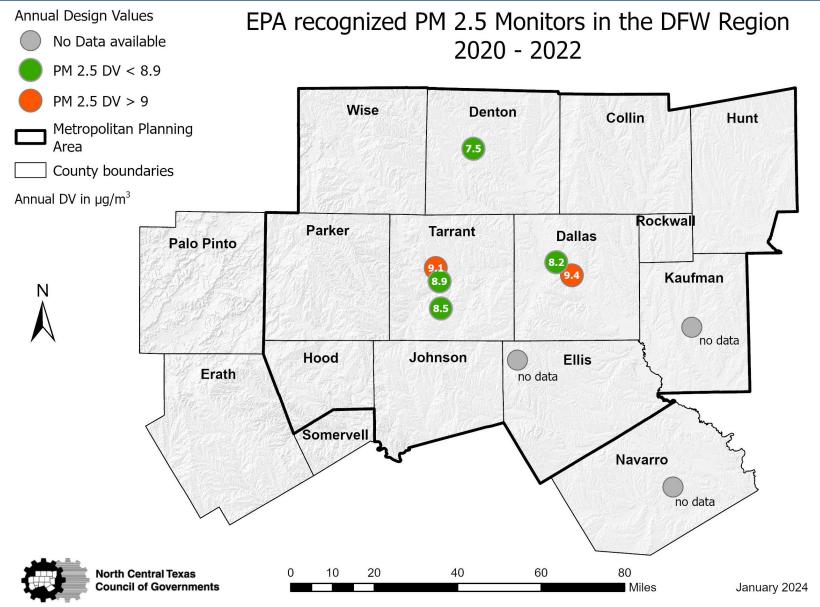
- $^{\circ}$ Current: 35 µg/m³ 98th percentile, averaged over 3 years
- \circ CASAC Recommendation: 25-30 µg/m³
- o **EPA Proposal: Retain standard** but soliciting comments on lowering

PM₁₀ 24-hour Standard

- $^{\circ}$ Current: 150 µg/m³ 98th percentile, averaged over 3 years
- CASAC Recommendation: Retain Standard
- o EPA Proposal: Retain Standard

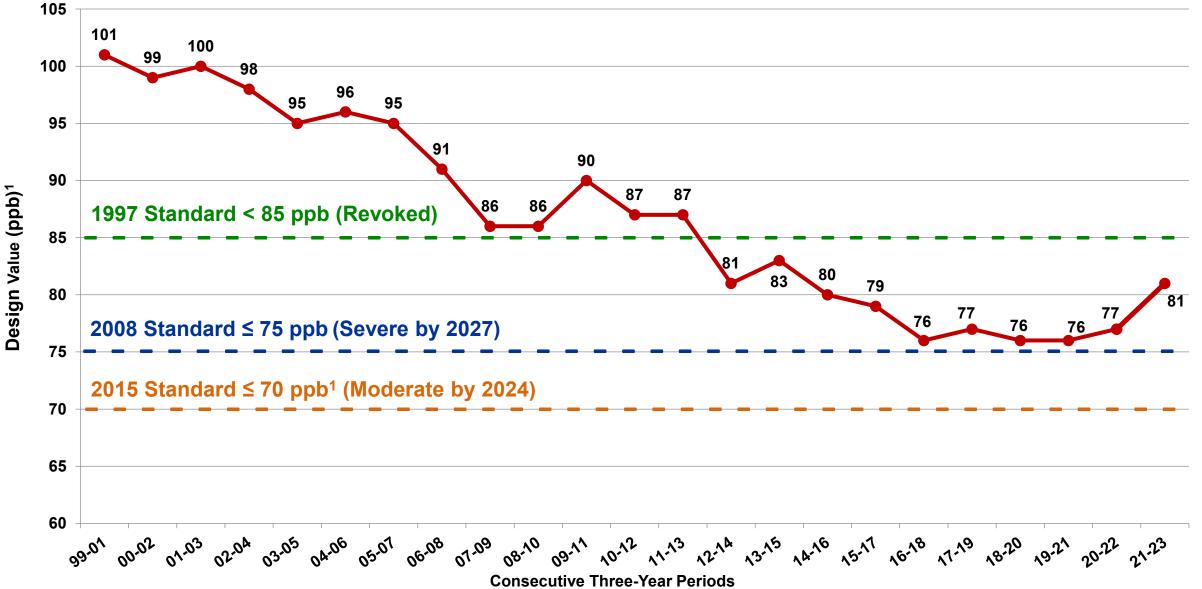


Current PM Standards



Source: EPA (https://www.epa.gov/air-trends/air-quality-design-values#report)

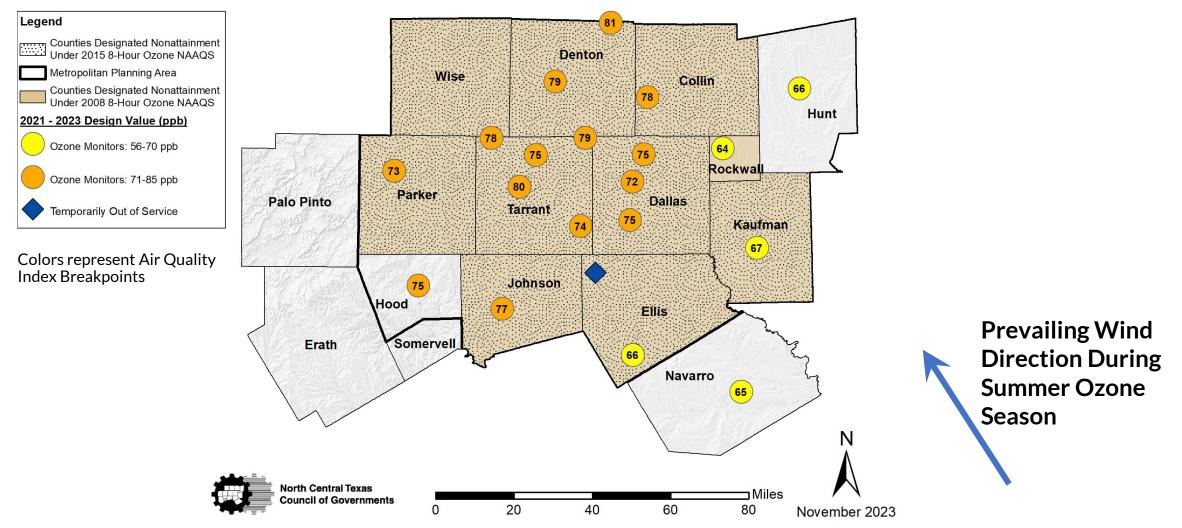
2023 Ozone Design Value Trends – Preliminary



¹Attainment Goal - According to the US Environmental Protection Agency (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

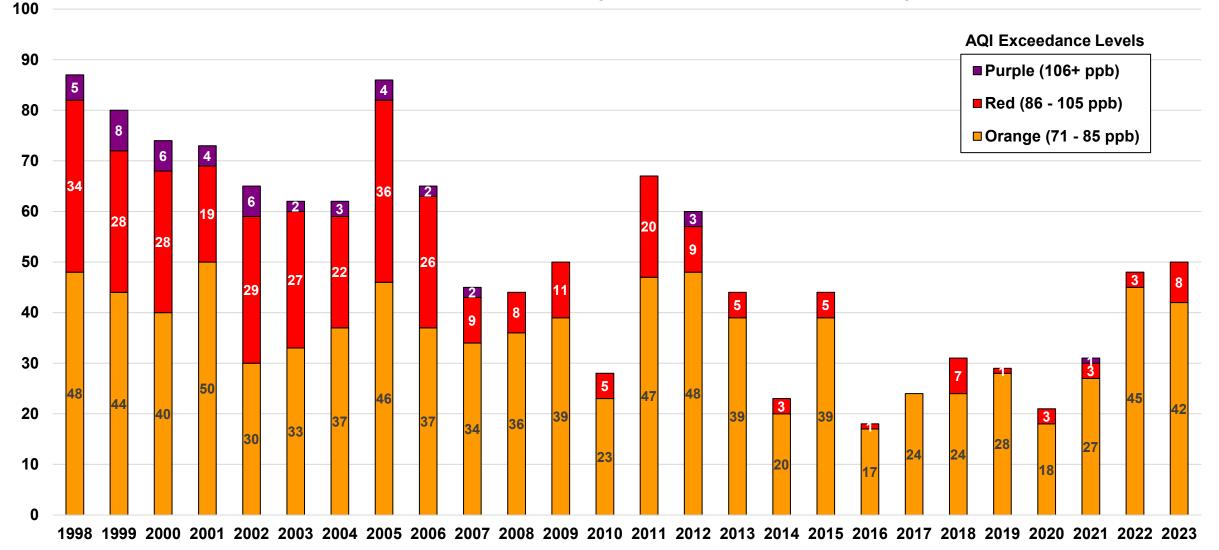
2023 Ozone Season





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

Based on ≤70 ppb (2023 Ozone Season)



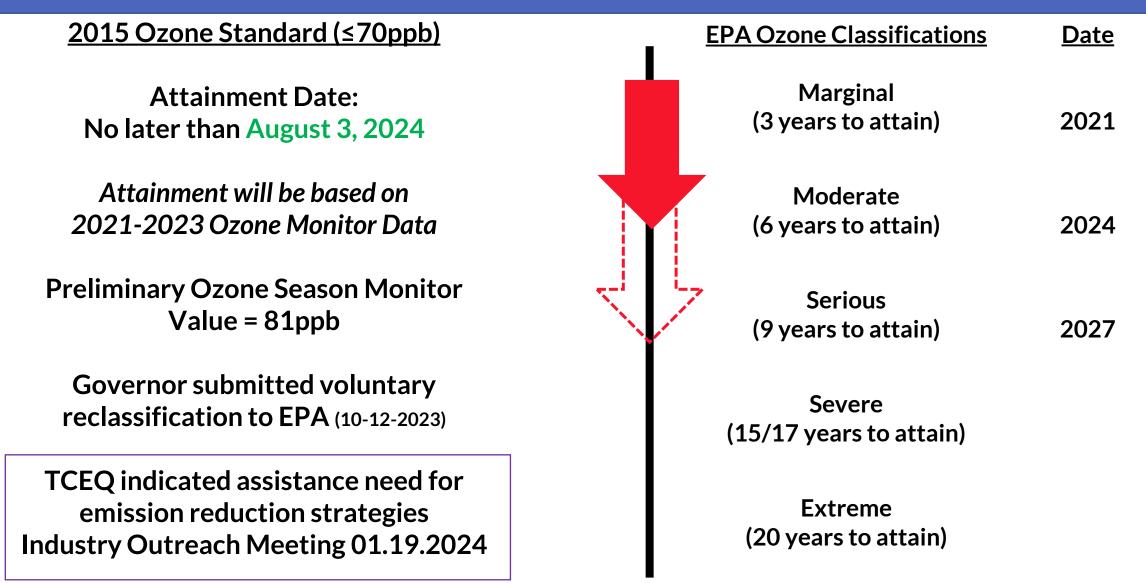
Exceedance Level indicates daily maximum eight-hour average ozone concentration. Exceedance Levels are based on Air Quality Index (AQI) thresholds established by the EPA for the for the revised ozone standard of 70 ppb. Source: TCEQ, <u>http://www.tceq.state.tx.us/cgi-bin/compliance/monops/8hr_monthly.pl</u> ppb = parts per billion NAAQS = National Ambient Air Quality Standards

Monitor vs. Model – 2015 Ozone Standard (≤ <mark>70</mark> ppb)

	4 th Highest Value for Season			Ozone	State Air
Top Monitors	2021	2022	2023	Season <mark>Monitor</mark> Value -2023	Quality Plan <mark>Model</mark> Value -2023
Pilot Point	85	77	81	<mark>81</mark>	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	<mark>73</mark>
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

8

Timeline and Milestones – 2015 Ozone Standard





Monitor vs. Model – 2008 Ozone Standard (≤ <mark>75</mark> ppb)

	4 th Highest Value for Season			Ozone	State Air
Top Monitors	2021	2022	2023	Season <mark>Monitor</mark> Value -2023	Quality Plan <mark>Model</mark> Value -2026
Pilot Point	85	77	81	<mark>81</mark>	70
Fort Worth Northwest	76	80	84	80	69
Grapevine Fairway	75	78	84	79	71
Denton Airport South	81	78	78	79	69
Frisco	81	73	82	78	<mark>72</mark>
Eagle Mountain	76	77	81	78	71
Cleburne Airport	75	82	75	77	71
Keller	74	72	80	75	70
Dallas Executive	70	77	79	75	66

Source: Texas Commission on Environmental Quality

Timeline and Milestones – 2008 Ozone Standard

<u>2008 Ozone Standard (<mark>≤75ppb</mark>)</u>	EPA Ozone Classifications	<u>Attainment</u> <u>Date</u>
Attainment Date: No later than July 20, 2027	Marginal (3 years to attain)	
Attainment will be based on 2024-2026 Ozone Monitor Data	Moderate (6 years to attain)	2018
Severe designation = Section 185 fees if unable to reach attainment	Serious (9 years to attain)	2021
TCEQ State Implementation Plan Hearing = January 11, 2024	Severe (15/17 years to attain)	2027
TCEQ State Implementation Plan Comments End January 16, 2024	Extreme (20 years to attain)	



(Future) Major Source Fees for Failure to Attain

"Section 185" Fee Program For <u>Major Stationary Sources Of NO_X And VOC</u> Clean Air Act Requirement Due To Reclassification From "Serious" To "Severe" Plan Under Development By TCEQ To Propose To EPA Attainment Required By End Of 2026 To Meet Severe Attainment Date Design Value Based On 2024-2026 Regional Monitor Data

If Unable To Reach Attainment

Per Ton Penalty Fee As Soon As 2028

Fees Collected Annually Until Attainment Of 2008 Ozone Standard

Implemented By TCEQ

Sources Such As Power Plants And Cement Plants Particularly Implicated

Anticipated Fee For DFW ~ \$45 Million



Air Quality Path Forward

Ongoing Investigation of:

Cold Starts

Diesel Tampering Inspection Fraud Vehicle Miles Traveled Vehicle Idling Low Speeds **High-Emitting Vehicles and Equipment Fuel Use** Hard Accelerations

Emissions Photochemical Modeling
State and National Transport
Weather & Meteorology Impacts
Coal Power Plants
Politics
Energy Consumption



For More Information

CHRIS KLAUS Senior Program Manager <u>cklaus@nctcog.org</u> 817-695-9286 JENNY NARVAEZ Program Manager jnarvaez@nctcog.org 817-608-2342

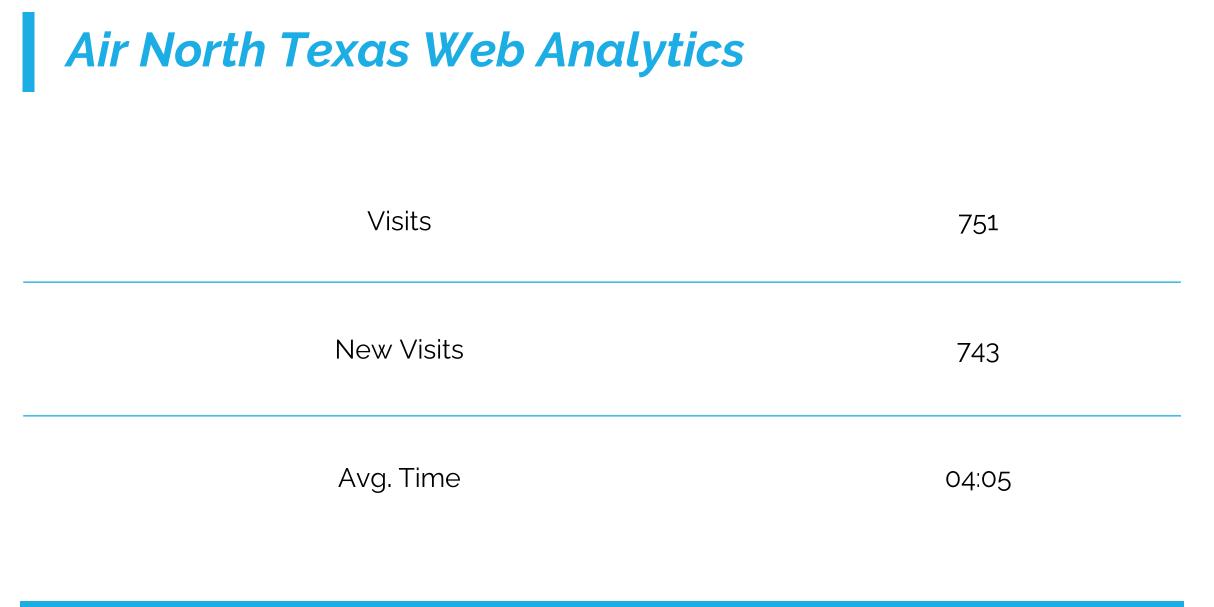
VIVEK THIMMAVAJJHALA Transportation System Modeler <u>vthimmavajjhala@nctcog.org</u> 817-704-2504 DANIELA TOWER Air Quality Planner dtower@nctcog.org 817-704-2956



AIR NORTH TEXAS

Campaign Bi-monthly Quantification & Social Media Report

Air North Texas Coalition | January 18, 2023

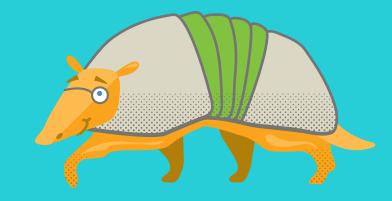




Visits by Device







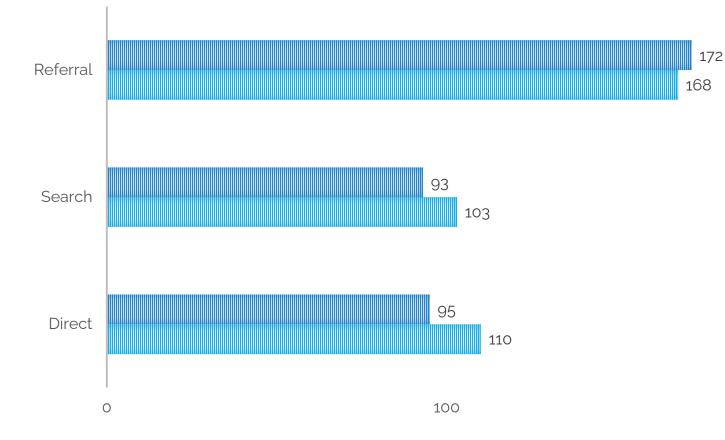
ANTX ANALYTICS

How Visitors Found Air North Texas

December-January

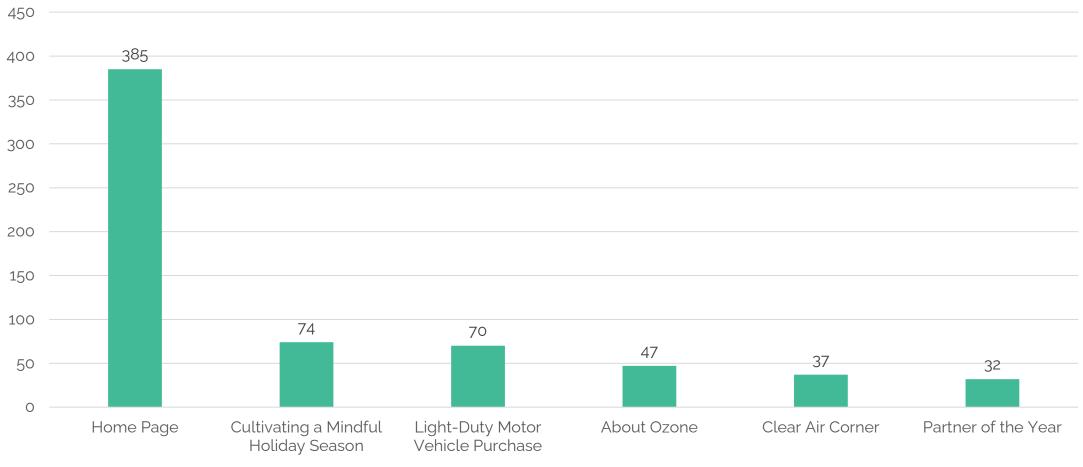
November-December

200



Air North Texas 300





Air North Texas Webpages







City of Grand Prairie -Municipal Government

@cityofgptx · Government Building

City of Grand Prairie, TX @gp_tx · Jan 11 Happy New Year from Arlo! Remember to a

K Happy New Year from Arlo! Remember to add a sustainable resolution to your list of goals this year! #AirNTX

Visit ow.ly/ulPy50Qqax3 to learn more on how to be sustainable.



City of Grand Prairie, TX @gp_tx · Dec 23, 2023 Using less energy reduces emissions and air pollution. This holiday, use

戰

...

Learn more about protecting air quality during all seasons at ow.ly/2YCc50QlJTq #AirNTX

less energy and resources by limiting lighting with light timers. 🛦 💡





...



City of Grand Prairie -Municipal Government

...

@cityofgptx · Government Building

City of Grand Prairie, TX @gp_tx · Nov 15, 2023 Look out for Arlo, the Airmadillo! His shell will change color based of

Look out for Arlo, the Airmadillo! His shell will change color based on the Air Quality Index. #AirNTX

Learn about the Air Quality Index (AQI) to receive greater awareness of the level of pollution and its effects on health by visiting ow.ly/LNBH50Q3F19.



City of Grand Prairie, TX @gp_tx · Dec 17, 2023 Last minute Christmas shopping? Remember to b

Last minute Christmas shopping? Remember to bring your reusable bag like Arlo! During the holiday season, over 1 million tons of trash go into landfills each week. #AirNTX





...



City of Grand Prairie -Municipal Government

@cityofgptx · Government Building

Grand City of Grand Prairie - Municipal Government December 23, 2023 at 8:40 PM · 🚱

Using less energy reduces emissions and air pollution. This holiday, use less energy and resources by limiting lighting with light timers. \clubsuit

Learn more about protecting air quality during all seasons at https://ow.ly/osCe50QIJSN. #AirNTX



Grand City of Grand Prairie - Municipal Government January 11 at 6:01 PM · 🕲

Happy New Year from Arlo! Remember to add a sustainable resolution to your list of goals this year! #AirNTX

Visit https://ow.ly/ulPy50Qqax3 to learn more on how to be sustainable.



Prate City of Grand Prairie - Municipal Government December 17, 2023 at 8:15 PM · 🚱

...

Last minute Christmas shopping? Remember to bring your reusable bag like Arlo! During the holiday season, over 1 million tons of trash go into landfills each week. #AirNTX





...



City of Denton Sustainability

2.8K followers • 47 following

City of Denton Sustainability

Fall is finally here and with that comes cooler weather, falling leaves, and a great time to learn more about how using active transportation can benefit air quality! 🌲

...

Instead of driving a vehicle, take a walk or bike ride to work and school! 🚴 🎗

#SustainableFall #ActiveTransportation #AirNTX



Air North Texas

ANTx NCTCOG CONTACTS

Whitney Vandiver

Communications Manager

(817) 704-5639

wvandiver@nctcog.org

Kimberlin To

Communications Supervisor

(817) 608-2362

kto@nctcog.org

Alissa Soto

Marketing Intern

(817) 695-9295

adsoto@nctcog.org

Air North Texas Coalition Web Page:

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

