

Partnerships of Regional Events

Arlington Entertainment District:
Phase 2 (MLB All-Star Game 2024) and Phase 3 (FIFA World Cup 2026)

Naval Air Station Joint Reserve Base Wings Over Cowtown Air Show (April 2024)

Surface Transportation Technical Committee

September 22, 2023

North Central Texas Council of Governments



Arlington Entertainment District: Phased Approach for Partnership & Improvements

Expand partnerships/stakeholder coordination

Update needs and priorities

Phase 1 Implementation: National Medal of Honor Museum (**RTC Action – Jan 12, 2023**)

Phase 2 Implementation: Large scale event (Major-League All-Star Game 2024)

Phase 3 Implementation: Large scale event (World Cup Soccer Game (FIFA) 2026)

Phase 4 Implementation: Beyond 2026

Infrastructure Needs

- NCTCOG gave update to FIFA World Cup
- Subcommittees formed to identify needs
 - Operations
 - Transit
 - Streetscape / Safety
- Vehicle request to United States Department of Transportation
- Stakeholders from public and private sector involved



The Transportation Policy Body for the North Central Texas Council of Governments
(Metropolitan Planning Organization for the Dallas-Fort Worth Region)

July 20, 2023

Ms. Jean Roehrenbeck
Acting Assistant Secretary
Intergovernmental Affairs
U.S. Department of Transportation
1200 New Jersey Ave, SE
Washington, DC 20590

Dear Secretary Roehrenbeck:

On behalf of the Regional Transportation Council (RTC), which serves as the Metropolitan Planning Organization (MPO) for the Dallas-Fort Worth (DFW) area, I am pleased that Dallas was selected as one of the host cities for the FIFA World Cup in 2026. North Texas has an advanced multimodal transportation system, including airports, mass transit, ridesharing, managed lanes, and highway system, to help visitors reach world-class sporting venues, restaurants, and shopping districts. The RTC, in coordination with North Central Texas Council of Governments (NCTCOG), would like to enhance world dignitaries' and FIFA officials' experiences while visiting all U.S. host cities by providing an all-electric fleet to transport our special guests.

The RTC proposes that the all-electric fleet of approximately 50 vehicles be staggered among the U.S. host cities during the 2026 FIFA World Cup games. Once the games are complete, the fleet could be dispersed among the 2026 FIFA World Cup host cities until the 2028 Summer Olympics, at which point all vehicles would be transferred to Los Angeles to again serve as a dedicated fleet for world dignitaries and Olympic officials. The RTC is committed to working with other host cities to help provide efficient transportation to ensure the safety and comfort of those traveling to and within the U.S. An all-electric fleet would demonstrate to the world that the U.S. is committed to reducing greenhouse gas emissions and resolute about tackling climate change.

Thank you for your time and consideration. The RTC, with the entire Dallas-Fort Worth region, looks forward to welcoming FIFA World Cup participants and visitors in 2026. If you have questions, please feel free to contact Michael Morris, P.E., Director of Transportation for NCTCOG at (817) 695-9241 or mmorris@nctcog.org.

Sincerely,

Gyna Bivens, Chair
Regional Transportation Council
Mayor Pro Tem, City of Fort Worth

SS:ymb

cc: Monica Paul, Executive Director, Dallas Sports Commission

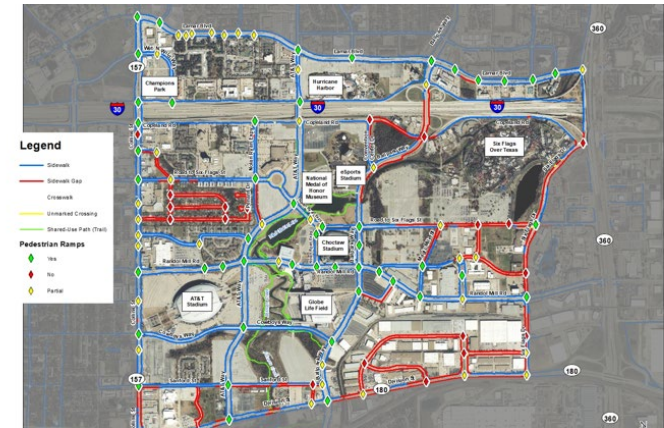
P.O. Box 5888 • Arlington, Texas 76005-5888 • (817) 695-8240 • FAX (817) 640-3028
<http://www.nctcog.org/trans>

- 50 electric vehicles
- Shared benefits
 - 2026 FIFA World Cup
 - 2028 Olympics

Funding Needs and Strategies

- Operations (\$6M): Dynamic Message Signboards, software improvements, traffic signal enhancements, fiber, and TMC modifications
- Transit (\$3M): TRE Station Improvements, bus staging, and enhanced transit capacity
- Streetscape/Safety (\$8M): Sidewalks, Lighting, Crossing Improvements, and Wayfinding/Signage
- Total: \$17.5M

- Funding between NCTCOG and City of Arlington
 - Randol Mill Exchange of Funds
 - Up to \$17.5M in local funds available for exchange of federal funds
 - Interim asphalt overlay needed (\$3.8M) Regional Toll Revenue (RTR)



- Operations for TxDOT/NCTCOG (\$750K): Regional Dynamic Message Signs

Naval Air Station Joint Reserve Base (NAS JRB)

Wings Over Cowtown Air Show (April 2024):

Spring 2024 Air Show (Blue Angels confirmed)

Estimated over 150-180K Spectators Each Day Over Two Days

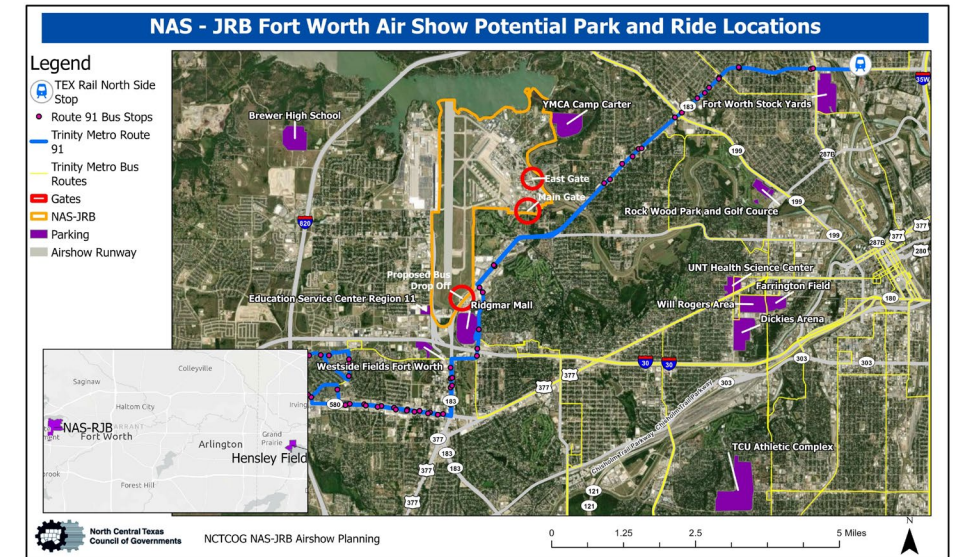
Transportation Challenges with Access of SH 183

Transportation Challenges with Parking

Additional Transit Capacity Needed

Areas for Assistance

- Parking: On-base; Regional Park and Ride Lots; Ridgmar Mall
- Traffic Analysis: Base Circulation and Security Protocols
- Increased transit support
 - Trinity Metro Route 91 connections to base entrance
 - TexRail North Side Stop
 - TRE downtown (stations)
 - Connections to and from Ridgmar Mall
 - Charter Service/Buses from regional park and ride lots
- Total: \$250,000 estimated costs



Action Requested

- Recommend RTC Support of:
 - A \$17.5M allocation of Surface Transportation Block Grant funds to the City of Arlington, matched with Regional Transportation Development Credits in exchange for \$17.5M of City “local” funds to be applied to projects identified within the Arlington Entertainment District
 - An allocation of \$3.8M Regional Toll Revenue funds to the City of Arlington for interim improvements on Randol Mill Road
 - An allocation of \$750K in federal funds to TxDOT and NCTCOG for regional dynamic message signs
 - An allocation of \$250K Regional Transportation Council local to be allocated for transportation support for the NAS JRB Wings over Cowtown Air Show
 - Administratively amend Transportation Improvement Programs (TIP) and Statewide TIP, as well as other planning and administrative documents, to include the proposed project(s)

CONTACT INFORMATION

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NCTCOG PRESENTATION

2023 SMART Grant Program: Application

Surface Transportation Technical Committee
Ernest Huffman
9.22.2023

SMART Program and Purpose

Program: Strengthening Mobility and Revolutionizing Transportation
([SMART](#)) Grant Program

Purpose: Demonstration projects using technology interventions to solve real-world challenges and build data and technology capacity and expertise in the public sector

Funding: \$100M/yr.

First year: 30-50 planning and piloting grants/\$2M maximum grant

Local match: None for planning grants

Later years: Implementation grants up to \$15M

Application Deadline: 10/10/23



2022 NCTCOG SMART Applications Status

Project 1 – North Texas Micro-Weather Infrastructure for Advanced Air Mobility

Description: Feasibility study to determine viability of regional solution for low altitude weather detection and reporting to support safe deployment of advanced aerial vehicles such as last mile drone delivery services and Electric Vertical Take-off and Landing (eVTOL) vehicles

Status – Pivoted to a 2023 Submission with all Autonomous Vehicles as the focus and the City of Fort Worth as the Applicant.

Project 2 - Flooded Roads Information System

Description: Use advanced sensors and big data tools to improve prediction, identification, and reporting of flooded roadways.

Status – NCTCOG to pursue.

Project 3 - Traffic Signal Technology and Deploying AI based ATMS Platforms

Description: Leverage NCTCOG's recent survey of traffic signal equipment to identify, test, and evaluate detection and other technologies. Pilot and evaluate multiple platforms to optimize traffic signals.

Status – TxDOT to pursue.



2023 Proposed SMART Grant Application

Title: North Texas Minimum Viable Unmanned Traffic Management Infrastructure

Description: Feasibility study to determine viability of regional solution for minimum viable UTM Infrastructure to integrate into FAA UTM Key Site Locations

Location: Regionwide

Amount: \$2 million

Local match: None

Key Partners: UTM Key Site Signatories, Federal Aviation Administration, Hillwood, NASA, North Texas AAM Cohort and others

Benefits: Regionally owned and managed infrastructure that is required for drone operations to scale up to efficient Beyond Visual Line Of Sight (BVLOS) Services



2023 SMART Grant Schedule

August 8, 2023	SMART Grant Notice of Funding Opportunity (NOFO) Release
September 14, 2023	RTC Action
September 22, 2023	STTC Action
September 28, 2023	Executive Board
October 10, 2023	SMART Application Deadline – Grants.gov



Request STTC Endorsement of RTC Action

Submittal of **North Texas Minimum Viable Unmanned Traffic Management Infrastructure** for funding consideration through the **FY23 Strengthening Mobility and Revolutionizing Transportation (SMART) Program (\$2M)**

Administratively amend NCTCOG and State Transportation Improvement Programs (TIP / STIP), as well as other planning and administrative documents, to include the proposed project if selected for an FY23 SMART Grant total award (\$2M)



Contact



Ernest Huffman

Program Manager

Aviation Planning and Education

Email: ehuffman@nctcog.org





2023 TRANSPORTATION CONFORMITY

AND
MOBILITY 2050

**SURFACE TRANSPORTATION TECHNICAL
COMMITTEE**

SEPTEMBER 22, 2023

2023 TRANSPORTATION CONFORMITY ANALYSIS

PURPOSE

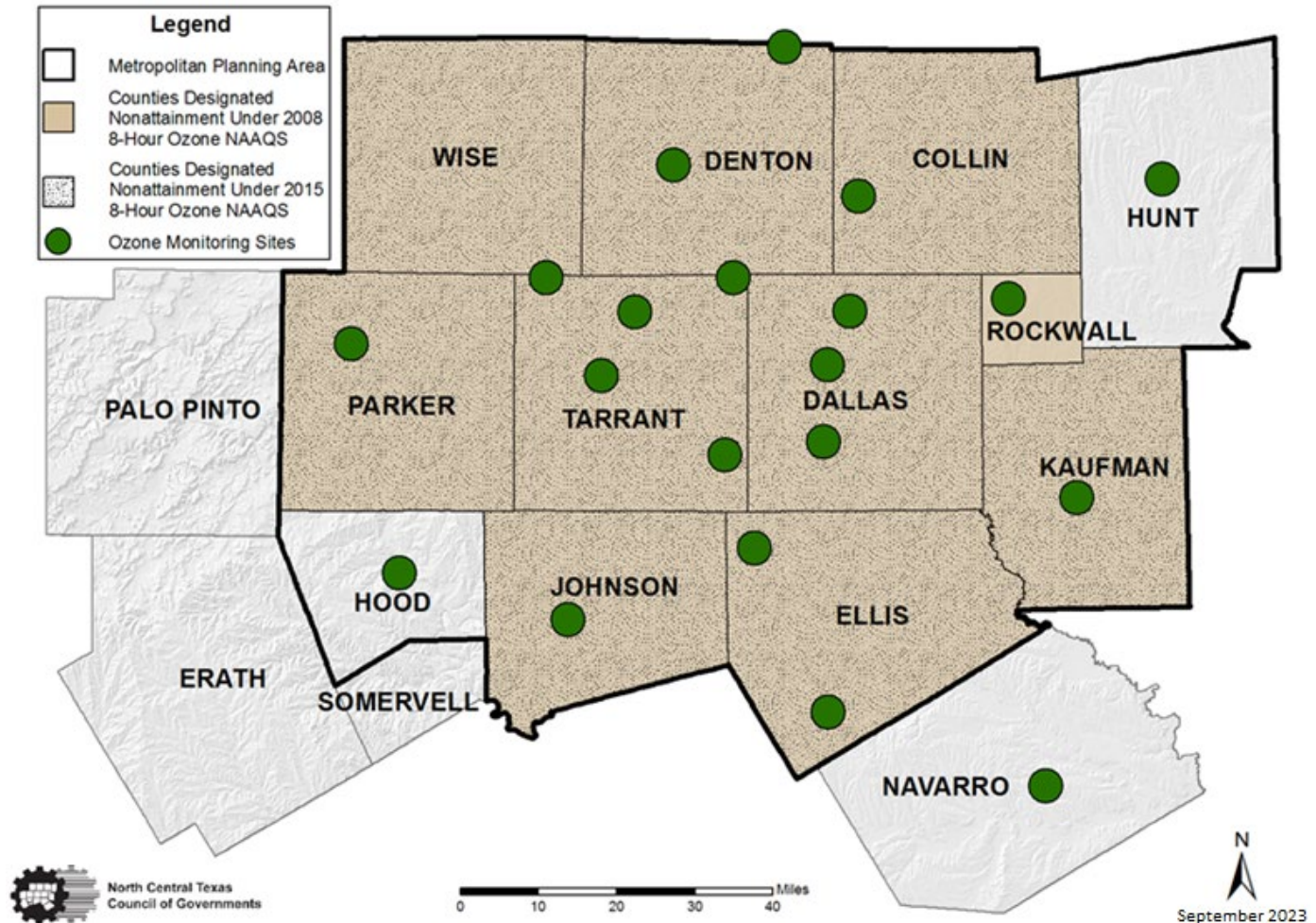
Demonstrates that projected emissions from transportation projects are within emission limits (Motor Vehicle Emissions Budgets) established by the State Implementation Plan (SIP)

Ensures federal funding and approval is applied to transportation projects that are consistent with air quality planning goals



2023 TRANSPORTATION CONFORMITY ANALYSIS

Nonattainment
Areas
Under the
8-Hour Ozone
Standards



2023 TRANSPORTATION CONFORMITY ANALYSIS

Reason

On April 24, 2023, the Environmental Protection Agency (EPA) approved new Motor Vehicle Emissions Budgets for the purpose of transportation conformity, with an effective date of May 24, 2023.

	NO _x Tons/Day	VOC Tons/Day
Old	130.77	64.91
New	107.25	62.41

This approval requires transportation conformity to be performed within two years of the effective date.

Strategic Analysis against new emission budgets only (no network/project changes to the current Mobility 2045 Update).



TIMELINE

DATE	ACTIVITY
September 2023	Pre-Analysis Consensus Plan
September 22, 2023	STTC – Information
October 9, 2023	Public Meeting (Start of Comment Period)
October 12, 2023	RTC – Information
October 27, 2023	STTC – Action (Endorsement of 2023 Transportation Conformity and Recommendation for RTC Approval)
November 9, 2023	RTC – Action (Endorsement of 2023 Transportation Conformity) (End of Public Comment Period November 8, 2023)
November 16, 2023	Executive Board – Action (Endorsement of 2023 Transportation Conformity)
November 2023	2023 Transportation Conformity Documents Sent to Partners (Starts Interagency Consultation Review)
March 2024	Anticipated USDOT Conformity Determination
May 2025	Required USDOT Conformity Determination



CURRENT MOBILITY PLAN

Mobility 2045 – 2022 Update

Adopted by RTC June 9, 2022

Conformity determination
received December 2022

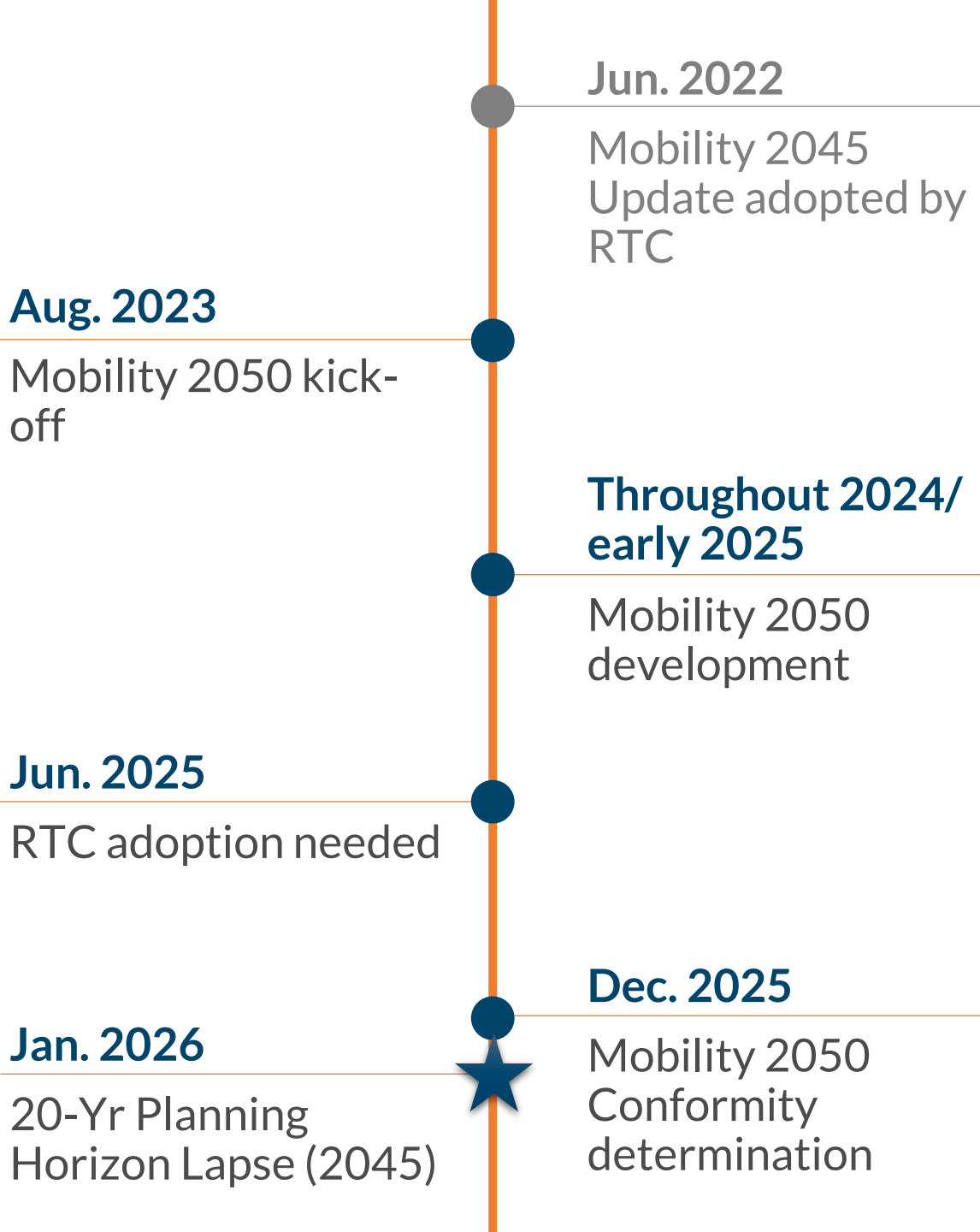
NCTCOG staff have been
implementing Projects and
Programs



DRAFT TIMELINE

A new plan must be developed and a conformity determination achieved at least every four years.

The plan horizon must extend at least 20 years into the future.



CONTACT US



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Program manager

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Amy Johnson

Principal Planner

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2023 Ozone Season Update

Surface Transportation Technical Committee • September 22, 2023

Nick Van Haasen, Air Quality Planner

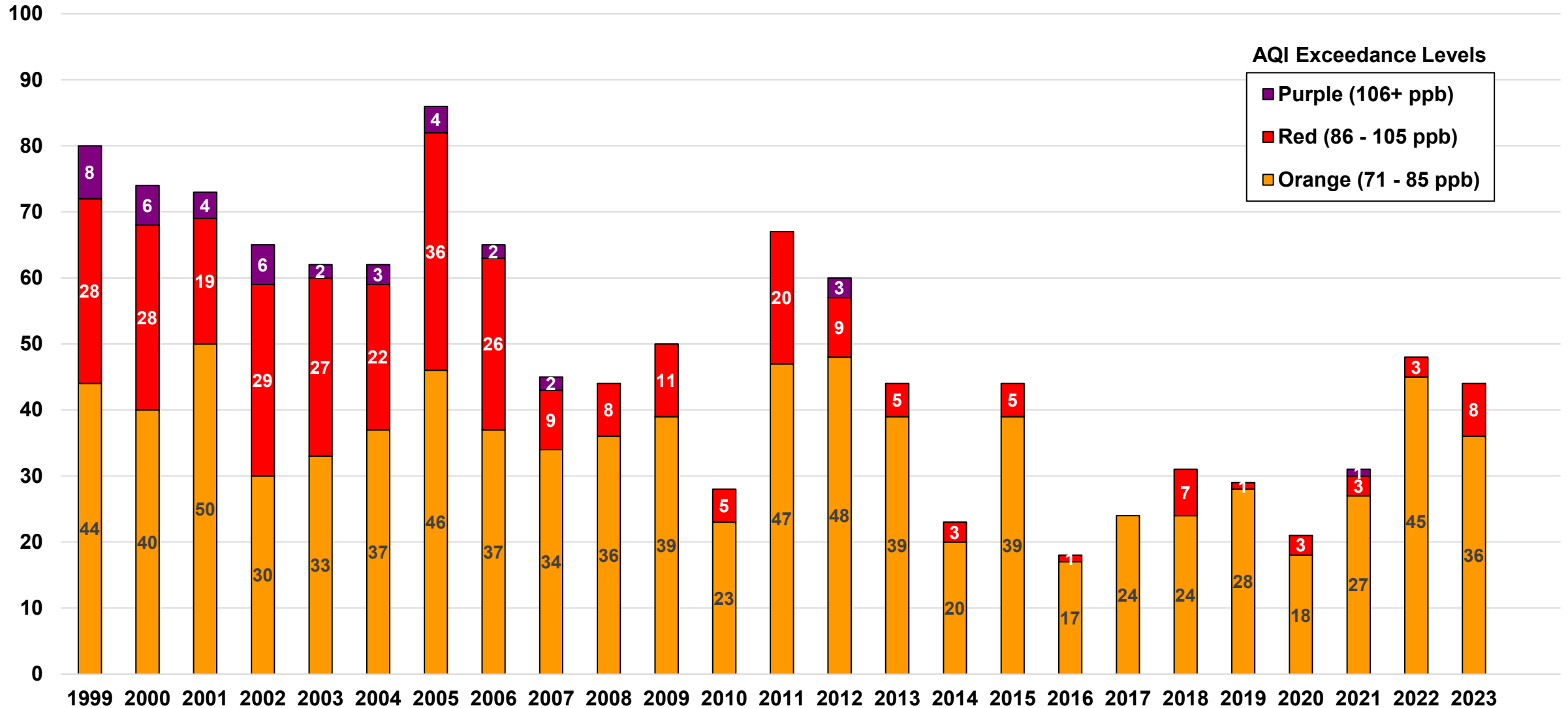


North Central Texas
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8-HOUR OZONE NAAQS HISTORICAL TRENDS

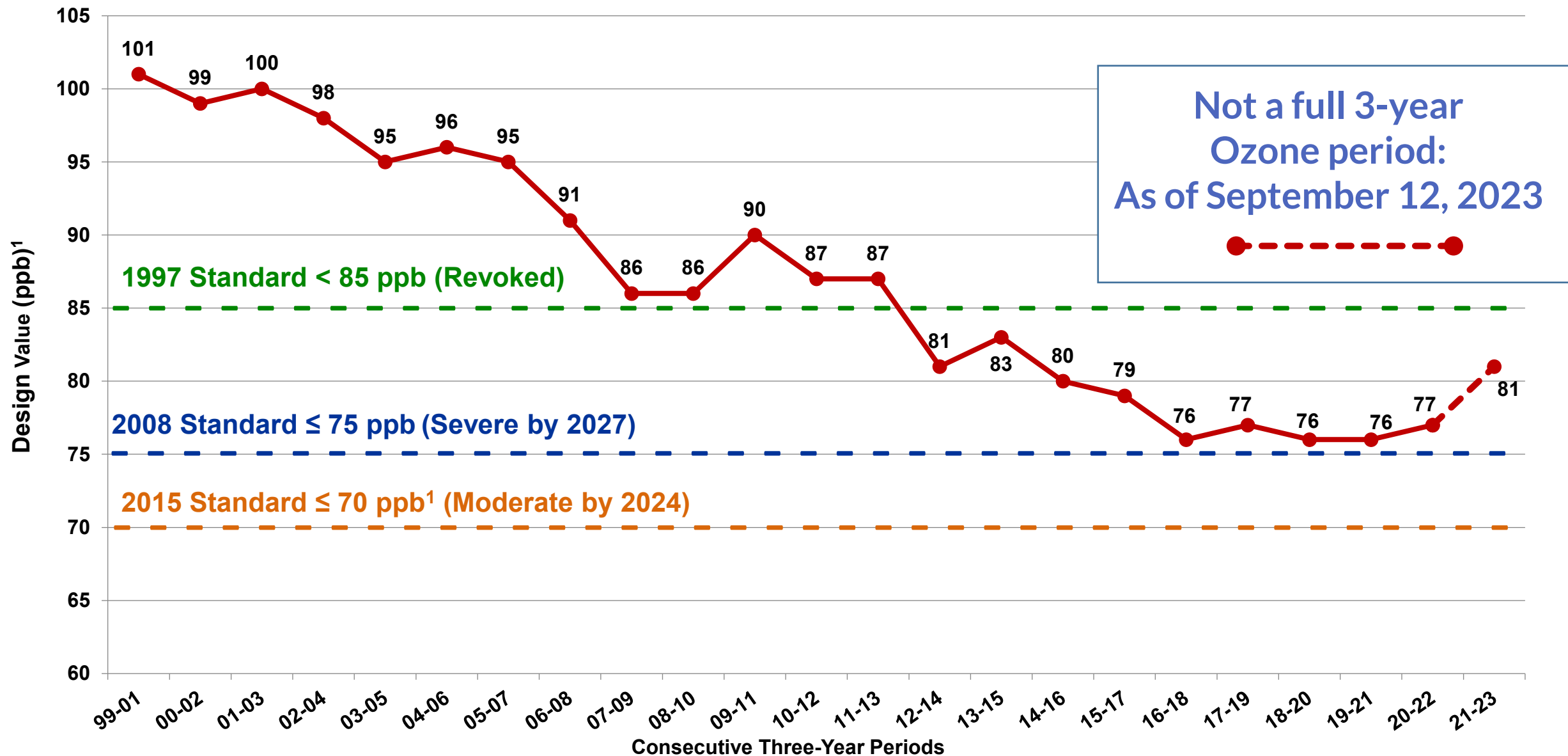
Based on ≤ 70 ppb (As of September 12, 2023)



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



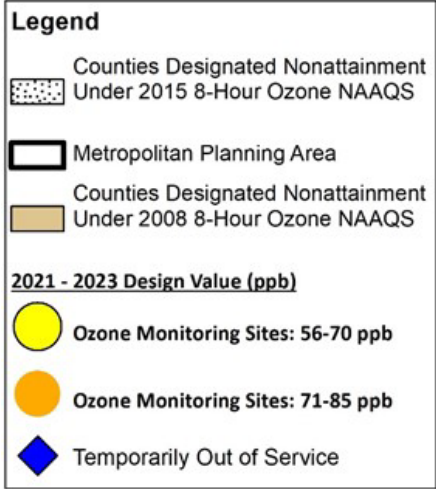
¹Attainment Goal - According to the US EPA National Ambient Air Quality Standards, attainment is reached when, at each monitor, the *Design Value* (three-year average of the annual fourth-highest daily maximum eight-hour average ozone concentration) is equal to or less than 70 parts per billion (ppb).

2023 Ozone Season

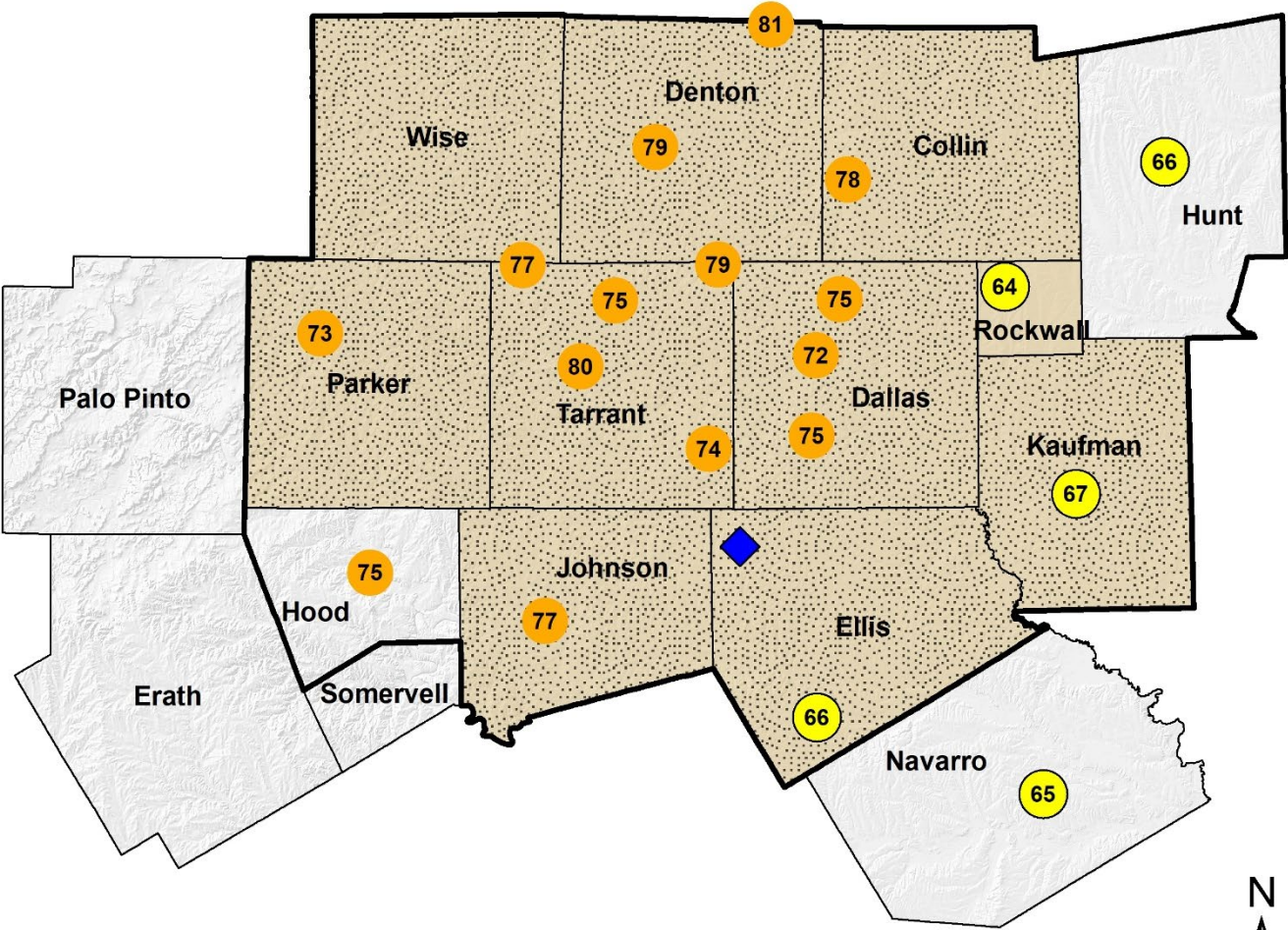
Top Monitors	4 th Highest Value for Season			2023 Ozone Season Design Value
	2021	2022	2023	
Pilot Point	85	77	81	81
Fort Worth Northwest	76	80	84	80
Grapevine Fairway	75	78	84	79
Denton Airport South	81	78	78	79
Frisco	81	73	82	78
Eagle Mountain	76	77	79	77
Cleburne Airport	75	82	75	77
Keller	74	72	80	75
Dallas North	73	72	80	75
Dallas Executive	70	77	79	75

Monitor Locations with Associated 4th Highest Value

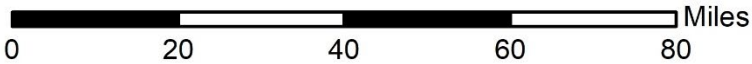
As of September 12, 2023



Colors represent Air Quality Index Breakpoints



North Central Texas
Council of Governments



September 2023

Initiatives Beneficial to Dallas-Fort Worth Air Quality

RTC Management, Operations, Air Quality, and Safety Program

\$150 Million in 2024-2026

Federal Implementation Plan

Transport Rule

NO_x limitations for stationary sources in 23 states

New EPA Diesel Engine Emission Standards

Ramp up to 2026

Bipartisan Infrastructure Law (BIL)

[BIL Guidebook PDF](#) pages 155-225 for all programs

[BIL Grant Programs](#) for all grant programs under the BIL

Inflation Reduction Act (IRA)

[IRA Guidebook Programs List](#) for all programs

[IRA Tax Credits](#) for all tax credits available under the IRA

Federal Highway Administration (FHWA) Climate Reduction Plan

\$281 Million

Similar to Congestion Mitigation and Air Quality Program (CMAQ)

2024-2033

EPA Climate Pollution Reduction Grants

\$4.6 Billion US for competitive funding

Implementation of Priority Climate Action Plans

Legislature Dedicated Funding

TERP (diesel vehicle funding) ~ 2 Billion

LIP (air quality and transportation funding including law enforcement) ~ 80 Million

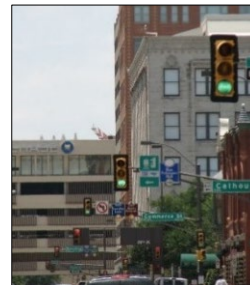
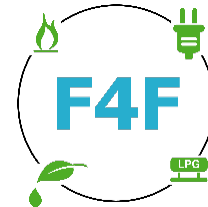
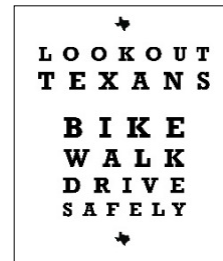
NCTCOG Funding and Resources

www.nctcog.org/AQfunding

Sample of Air Quality Initiatives



Rideshare. Record. Reward.



FOR MORE INFORMATION

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

Regional Transit Version 2.0: Planning for Year 2050

GOAL

Future Demographic Growth and Location Requires Focus

Solve Misunderstanding at Home

New Partnerships Based on New Information and Collaboration



General Conditions in the Transit Authority – Member City Paradox

	Transit Authority	City
Board/Council	Appointed	Elected
Revenue	Fixed Rate	Variable
Timeframe	Longer	Annual
Capital Asset/Understanding	Better, Easier	Unclear, Difficult
Purpose	Best in Class	Not Different than Other Functions of Government
Primary Client	Transit User	City Resident
Focus	Limited, Transit	Comprehensive



Seven Proposed Work Tasks

	<u>LEAD AGENCY</u>
1. More Aggressive Transit Legislative Program	RTC
2. Increased Membership	Transportation Authorities (TA)
3. Three Agency Cost Savings	TA
4. Creating In-Fill Development	Cities
5. Transit Board Teamwork	TA – Cities
6. Transit Fare Rewards Program	TA
7. Budget Understanding (Paradox)	TA – Cities



Draft Action for October

RTC Funds Study (\$1M+) in RTC Local and is Policy Subcommittee for 12 Counties

Addresses 7 Areas

RTC Requests NCTCOG Executive Board Select Consultant in November 2023 or January 2024

Recommended Consultant by NCTCOG /City/TA Staffs

Legislative Findings August/September 2024

Final Report January 2025

NCTCOG/Transportation Authority Reports Will Be Available Lowering Consultant Cost

