



# Dallas-Fort Worth Air Quality Improvement Plan

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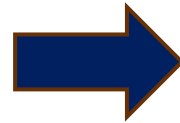
# Dallas-Fort Worth Air Quality Improvement Plan

## Deliverable 1: Priority Climate Action Plan (PCAP)

Submitted March 1, 2024;  
[www.publicinput.com/dfwAQIP](http://www.publicinput.com/dfwAQIP)

### Requirements:

- Improve Air Quality Through 2030
- Greenhouse Gas (GHG) Emissions Inventory (EI)
- GHG Reduction Measures
- Analysis of Potential Community Impact
- Review of Authority to Implement



## Deliverable 2: Comprehensive Climate Action Plan (CCAP)

Due December 1, 2025

### Requirements:

- Improve Air Quality Through 2050
- All Deliverable 1 Requirements
- GHG EI Projections and Targets
- Benefits Analysis
- Funding Analysis
- Workforce Analysis



# Criteria Air Pollutants

Six air pollutants which harm health, environment, and property

Clean Air Act mandates EPA sets National Ambient Air Quality Standards (NAAQS) for criteria pollutants

## Regional Status under Each Criteria Pollutant NAAQS:

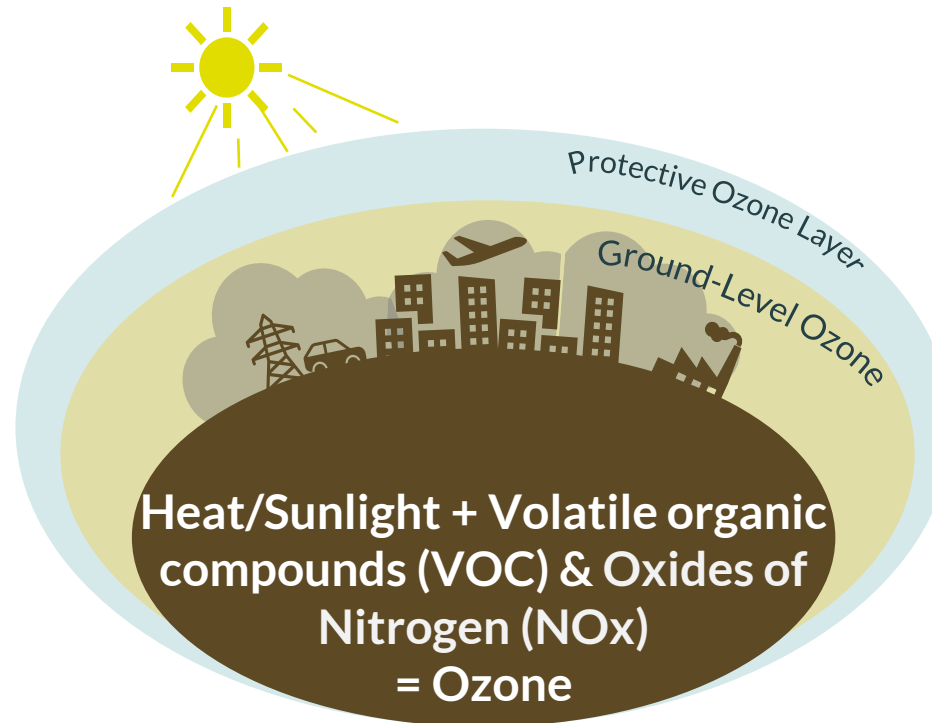
Ozone	✗
Lead	✓
Carbon Monoxide	✓
Nitrogen Dioxide	✓
Particulate Matter	?
Sulfur Dioxide	✓

More information: [www.epa.gov/ground-level-ozone-pollution](http://www.epa.gov/ground-level-ozone-pollution)



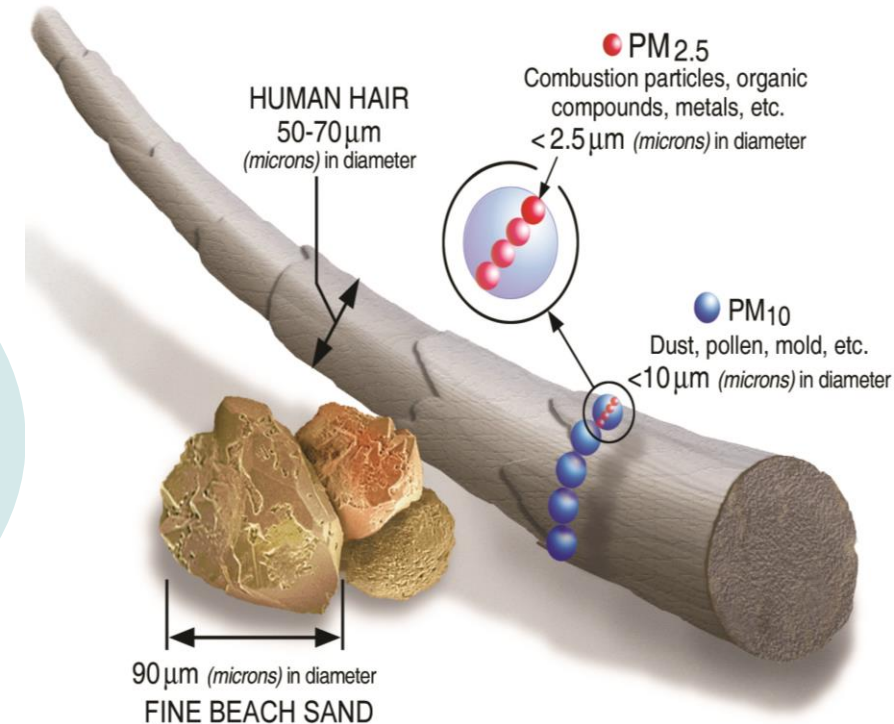
Dallas-Fort Worth Air Quality Improvement Plan

## Ground-Level Ozone



More information: [www.epa.gov/ground-level-ozone-pollution](http://www.epa.gov/ground-level-ozone-pollution)

## Particulate Matter (PM)

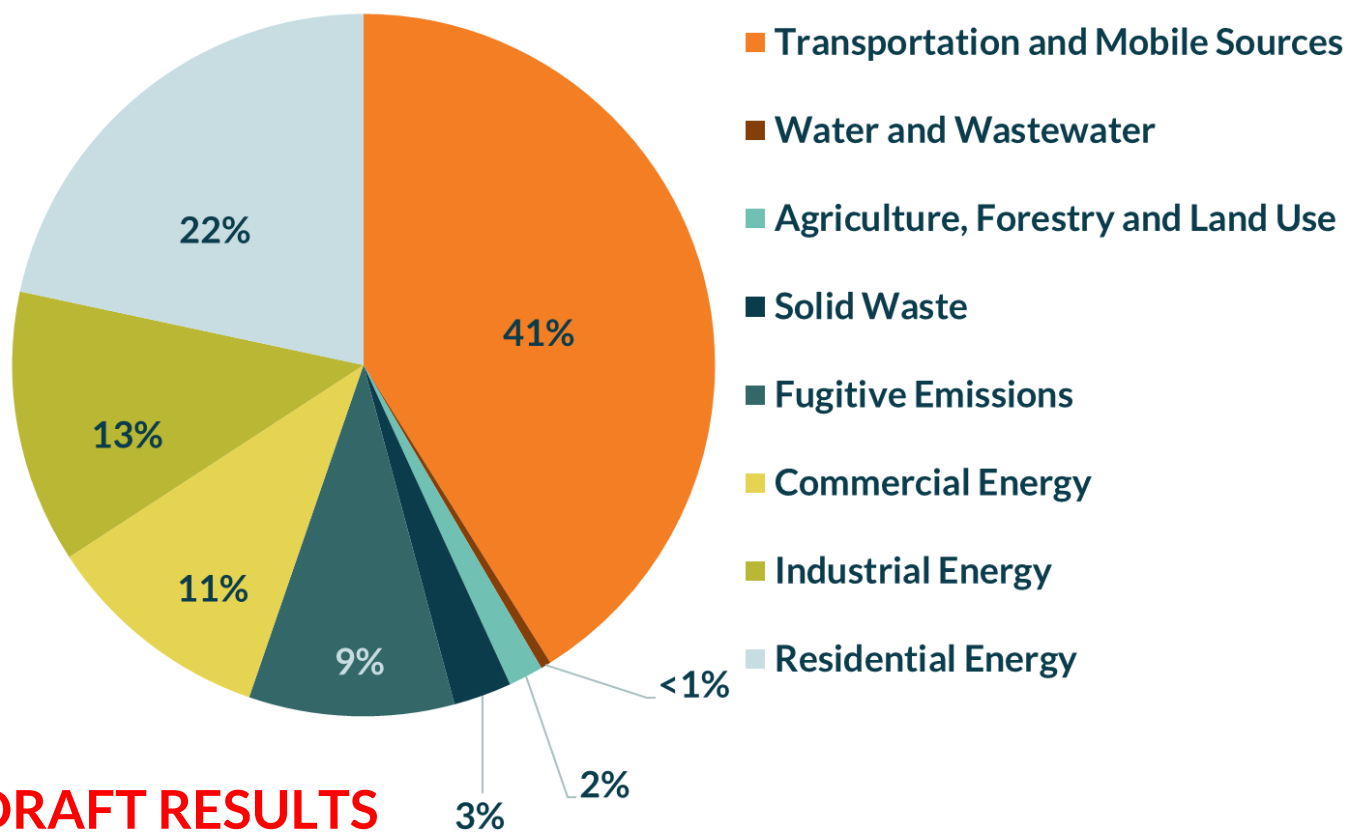


Source and more information: <https://www.epa.gov/pm-pollution/particulate-matter-pm-basics>

# Greenhouse Gas Emissions Inventory

2022 Greenhouse Gas Emission Inventory for 16-County North Central Texas Council of Governments Region

119,131,876 metric tons of carbon dioxide equivalent (CO<sub>2</sub>e)




**DRAFT RESULTS**


Source: NCTCOG




Dallas-Fort Worth Air Quality Improvement Plan

**119 million metric tons CO<sub>2</sub>e is approximately the same as:**

**28 million gasoline-powered passenger vehicles driven for one year** 

**9.6 trillion smartphones charged** 

**Emissions captured by 2 trillion tree seedlings grown for 10 years** 

[Greenhouse Gas Equivalencies Calculator | US EPA](#)



# Priority Climate Action Plan – Feedback

## Public Survey: Biggest Concern in the Region

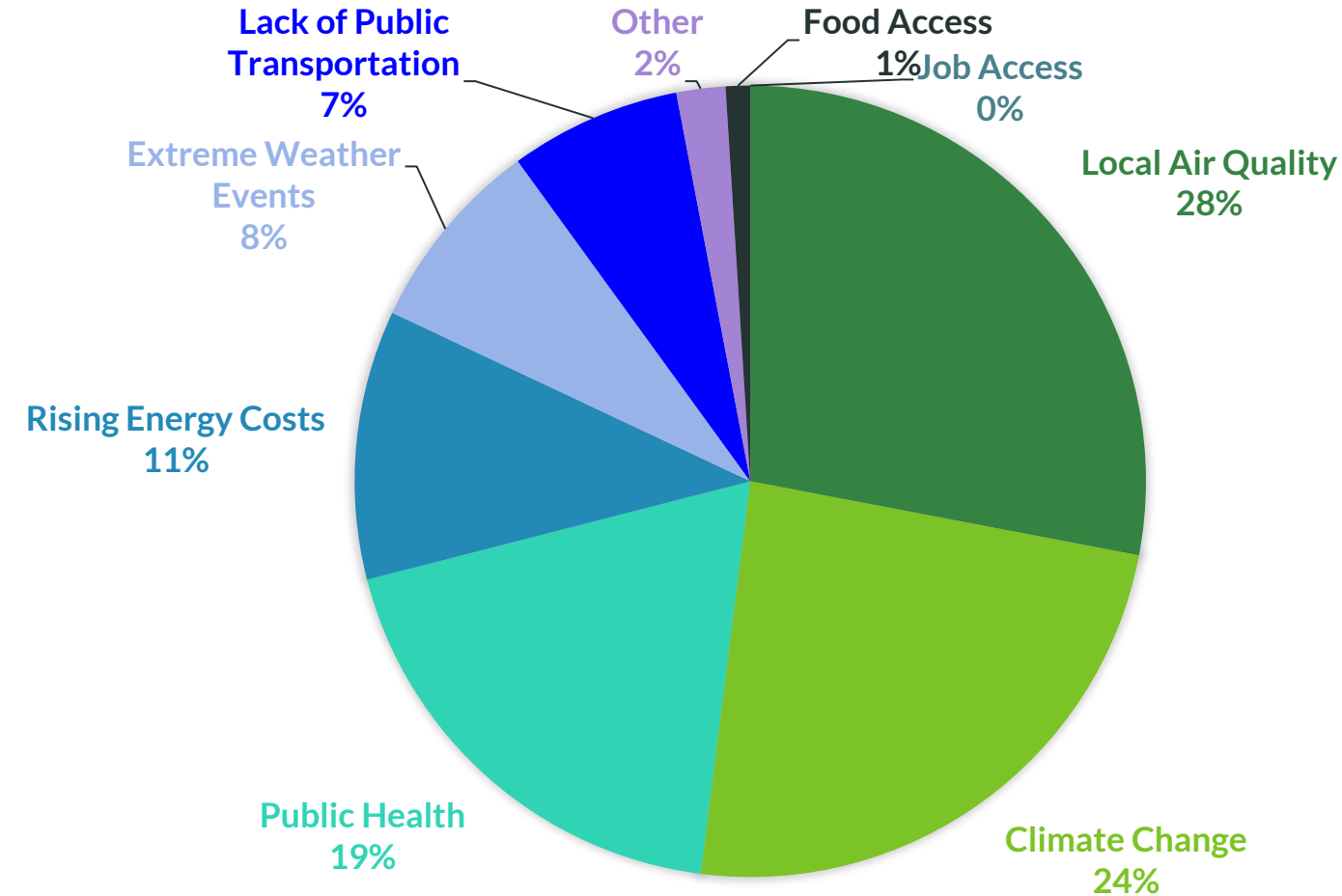


Photo Source: NCTCOG

The DFW AQIP-PCAP development was informed by 30 meetings with stakeholders and online surveys



# Dallas-Fort Worth Air Quality Improvement Plan –PCAP Measures

*Measure can be a policy, project, or program*



## Transportation

*13 Measures*



## Waste Management

*6 Measures*



## Energy

*6 Measures*



## Agriculture, Forestry, and Land-Use

*5 Measures*



## Water, Wastewater, and Watershed Management

*9 Measures*



## Cross-Sector

*5 Measures*



# Measure Requirements

Deliverable	Timeframe	Quantifiable Emissions Reductions?*	Sectors	Funding Analysis	Cost Estimates	Tracking Metrics	Implementing Agencies	Other Requirements
1	2025-2030	Yes	Priority Sectors Only	No	No	Yes	Yes	N/A
2	2025-2050	Yes	All Sectors	Yes	Yes	Yes	Yes	Be <b>specific enough</b> to implement and measure  Support <b>GHG Targets for CCAP**</b>

*\*Efforts which are necessary to undertake to achieve a measure but do not result in direct emission reductions (ex: workforce development) can be “bundled” with a measure.*

*\*\*Targets should be **actionable, ambitious, achievable***



# Comprehensive Climate Action Plan- Transportation Measures

## Ensure Alignment with Other Regional or Local Transportation Plans

- Mobility 2050
- Regional Integration Sustainability Efforts Coalition
- Access North Texas
- Dallas-Fort Worth Clean Cities Strategic Plan
- Unified Planning Work Program
- Transportation Conformity

## Map Your Experience

Online, Anytime



[www.nctcog.org/M50](http://www.nctcog.org/M50)





# Potential Transportation Measures



Use efficient lighting



Reduce idling



Improve traffic flow



Make transit convenient



Reduce airplane emissions



Use low emission vehicles



Add sidewalks/bike routes



Improve rail crossings

Provide feedback and sign up for notifications of input opportunities at [www.publicinput.com/dfwAQIP](http://www.publicinput.com/dfwAQIP)  
Public meetings will occur in Summer 2025  
Draft documents will be posted Fall 2025



# Contact Us



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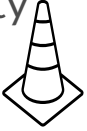
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# DFW AQIP:PCAP Benefits

**Community Benefits:** Other benefits beyond air quality improvements that will occur because of implementation of measures

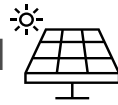
Increased Safety



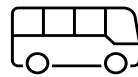
Reduced Noise Pollution



Increased Resiliency and Adaptability



Increase Access to Service and Amenities



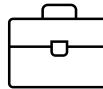
Water Conservation



Green Spaces and Community Beautification



Job Creation and Economic Development



Reduced Costs



Improve Health and Well-Being



Increased Awareness and Engagement



**Greenhouse Gas and Criteria Air Pollutants Benefits:** Improvements in air quality that will occur because of implementation of measures

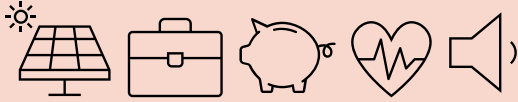








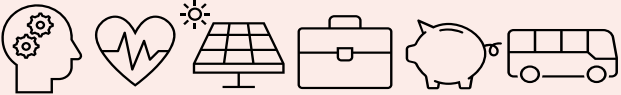

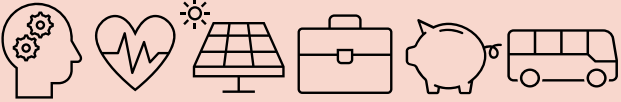
Direct Climate Change Benefits



Benefits for Nonattainment Issues

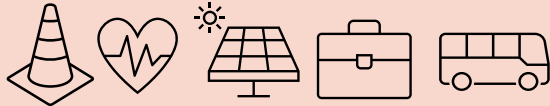

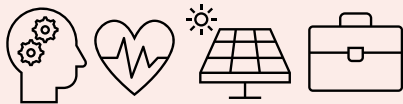

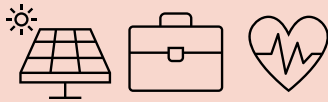

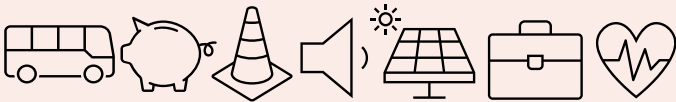





# PCAP: Transportation Sector Measures

Measure	Description	Community Benefits	Air Quality Benefits
Clean Vehicles and Equipment Program	Heavy-Duty Hydrogen Pilot Program Zero- and Near-Zero Freight and Work Low-Emission Non-Road Equipment Program		
Low Carbon Liquid Fuels Program	Build Infrastructure Provide Incentives For Utilizing Biofuels		
Regional Emissions Compliance Program	Fund Emissions Compliance Activities and Operations		Not quantifiable at time of plan completion
LED Streetlighting Program	Retrofit Streetlights with Light-Emitting Diodes (LEDs)		
Green Airport Planning Program	Increase Education/Best Practices to “Green” Airports		
Transit Enhancement Program	Increase Transit Frequency Enhance Mobility Hubs & Transit-Oriented Developments		
Transit Planning Program	Develop Regional Transit Plan		No direct benefits



# PCAP: Transportation Sector Measures

Measure	Description	Community Benefits	Air Quality Benefits
Active Transportation Program	Improve/Expand Bicycle and Pedestrian Facilities		
Green Purchasing/Green Construction Program	Use Low Carbon, Recycled Content, and/or High-Efficiency Materials Employ Reduced-Emission Construction Methods		
Urban Heat Island and Green Spaces Program	Expand Use of Landscaping, Vegetation, and Tree Cover Develop Parks/Plazas/Open Spaces Preserve Existing Green Spaces		
Enhanced Regional Traffic Signal Timing Program	Bus Signal Prioritization Improve Signal Timing in the Region		
Transportation System and Truck/Rail Optimization Program	Technology and Multimodal Connectivity Improvements Road/Rail Grade Separations		
Vehicle Miles Traveled Reduction Program	Improve Job-housing-transportation balance Utilize Smart Infrastructure	