

# Environmental Protection Agency's Climate Pollution Reduction Grants Program

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**June Public Meeting**  
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# Climate Pollution Reduction Grants Background

Created by Section 60114 of the Inflation Reduction Act

Purpose: Develop and implement regional plans for reducing greenhouse gas emissions (GHG) and other harmful air pollutants, **including criteria pollutants**

Administered by the Environmental Protection Agency (EPA) in two phases:

- Phase 1: \$250 Million Non-Competitive Planning Grants
  - \$1 Million for Dallas-Fort Worth Metropolitan Statistical Area (MSA)
- Phase 2: \$4.6 Billion in Competitive Implementation Grants

<https://www.epa.gov/inflation-reduction-act/climate-pollution-reduction-grants>





# National Ambient Air Quality Standards

Clean Air Act requires EPA to set National Ambient Air Quality Standards (NAAQS) for pollutants harmful to health and the environment

## Criteria Pollutant

## Attainment Status

Ozone



Lead



Carbon Monoxide



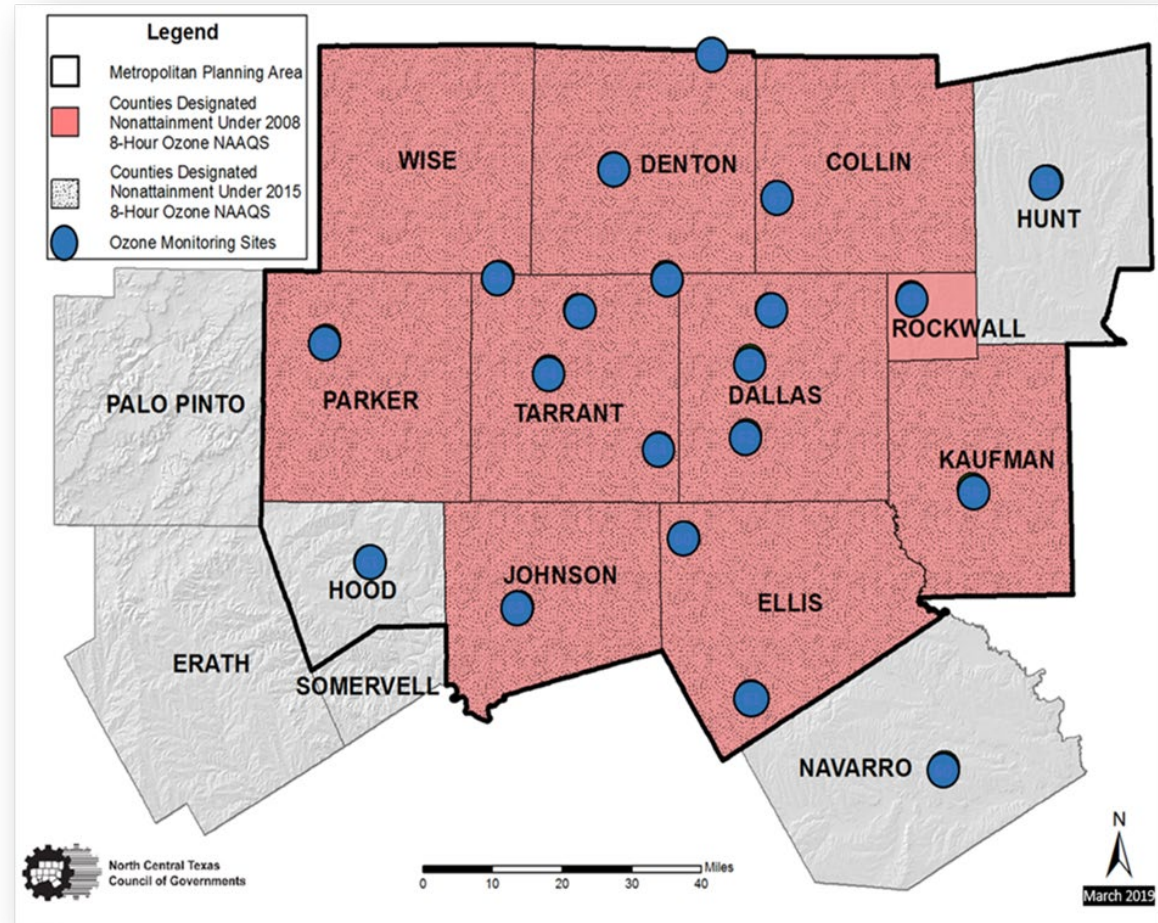
Nitrogen Oxides



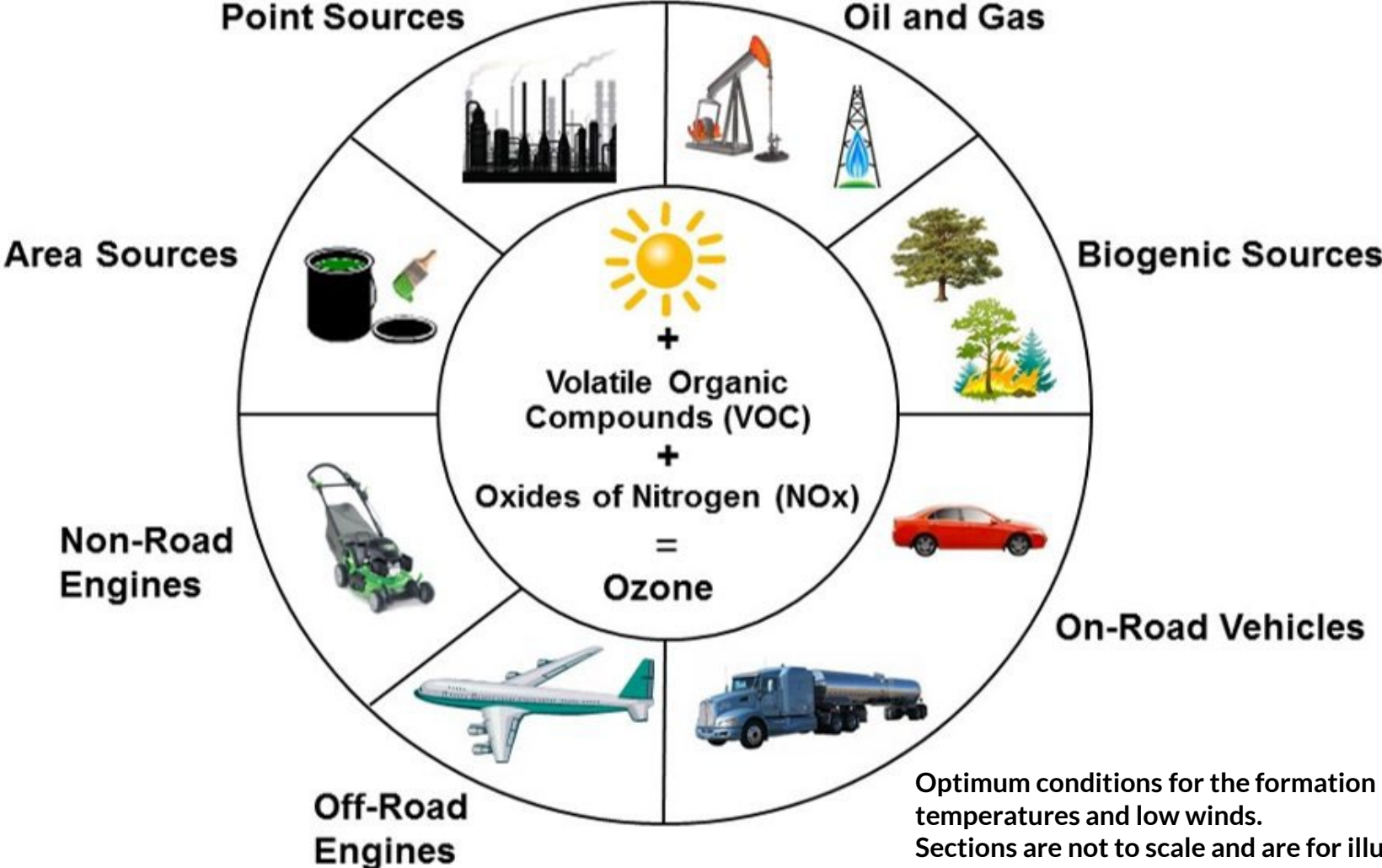
Particulate Matter



Sulfur Dioxide



# Ground-Level Ozone Formation



Optimum conditions for the formation of ozone include high temperatures and low winds. Sections are not to scale and are for illustrative purposes only.



# Health Impacts of Ground-Level Ozone

- More difficult to breathe
- Shortness of breath and pain
- Coughing and sore throat
- Inflammation and damage to airways
- Aggravate lung diseases (asthma, emphysema, chronic bronchitis, etc.)

Source: [Health Effects of Ozone Pollution | Ground-level Ozone Pollution | US EPA](#)



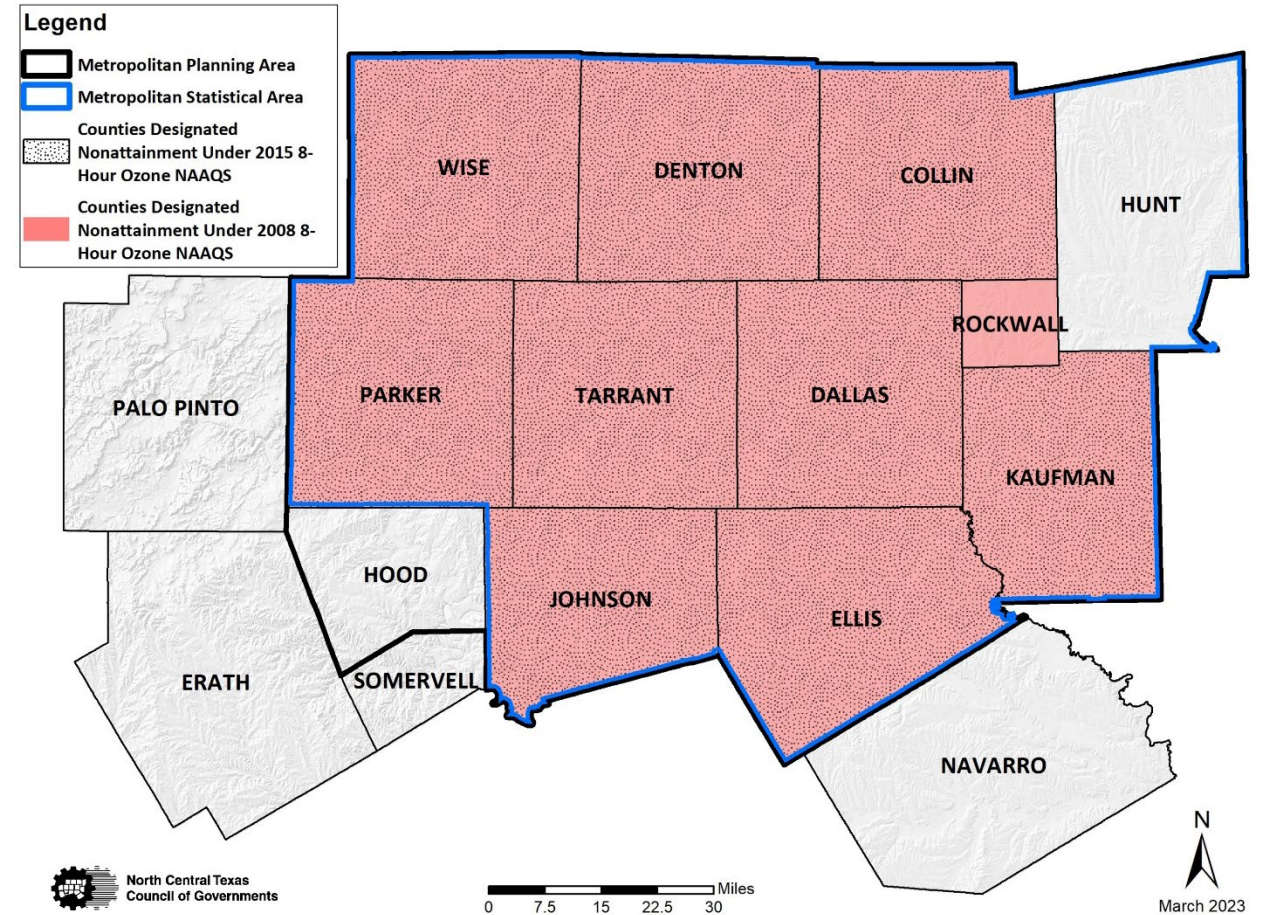


# CPRG Eligible Applicants – Planning Grants

EPA requires one eligible entity to be the lead applicant on behalf of the entire metropolitan statistical area (MSA)

Lead applicant must collaborate with local governments and the public to develop deliverables:

- Priority Climate Action Plan – Due March 1, 2023
- Comprehensive Climate Action Plan – Due Summer 2025
- Status Report – Due Summer 2027

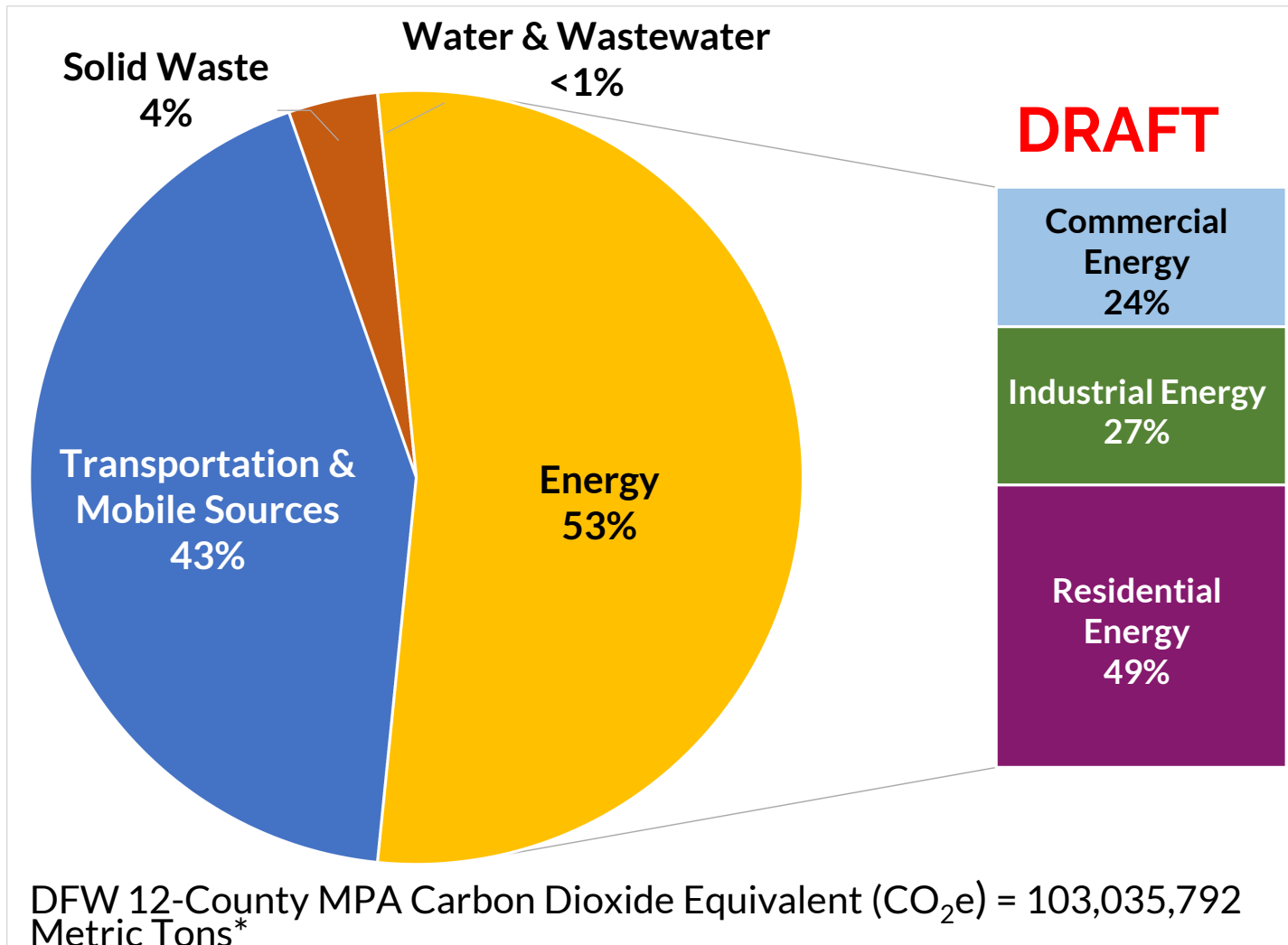


# CPRG Deliverables

Plan Element	Priority Climate Action Plan	Comprehensive Climate Action Plan	Status Report
GHG Inventory	Required	Required	Update Encouraged
GHG Emissions Projects	Not Required	Required	Update Encouraged
GHG Reduction Targets	Not Required	Required	Not Required
Quantified GHG Reduction Measures	Required (priority measures only)	Required (comprehensive)	Status & Updates Required
Benefits Analysis	Encouraged	Required	Required
Disadvantaged Communities Benefits Analysis	Required	Required	Required
Review of Authority to Implement	Required	Required	Update Required
Identify Available Funding	Encouraged	Required	Required
Workforce Planning Analysis	Encouraged	Required	Required



# Greenhouse Gas Emissions Inventory



$$\begin{aligned}
 &\text{Carbon Dioxide Equivalent} \\
 &\text{CO}_2\text{e} \\
 &= \\
 &\text{Greenhouse Gases (GHG)} \\
 &\text{(Carbon Dioxide CO}_2\text{,} \\
 &\text{Methane CH}_4\text{,} \\
 &\text{Nitrous Oxide N}_2\text{O)} \\
 &\times \\
 &\text{Respective} \\
 &\text{Global Warming Potentials} \\
 &\text{(GWP)}
 \end{aligned}$$

U.S. Total – 6.3 Billion Metric Tons\*\*

\*Based on 2019 data

\*\*Based on 2021 data



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# Greenhouse Gas Emissions Equivalencies

103,035,792 Metric Tons of CO<sub>2</sub>e is equivalent to:



~28 coal-fired power plants



~600,000 railcars' worth of coal



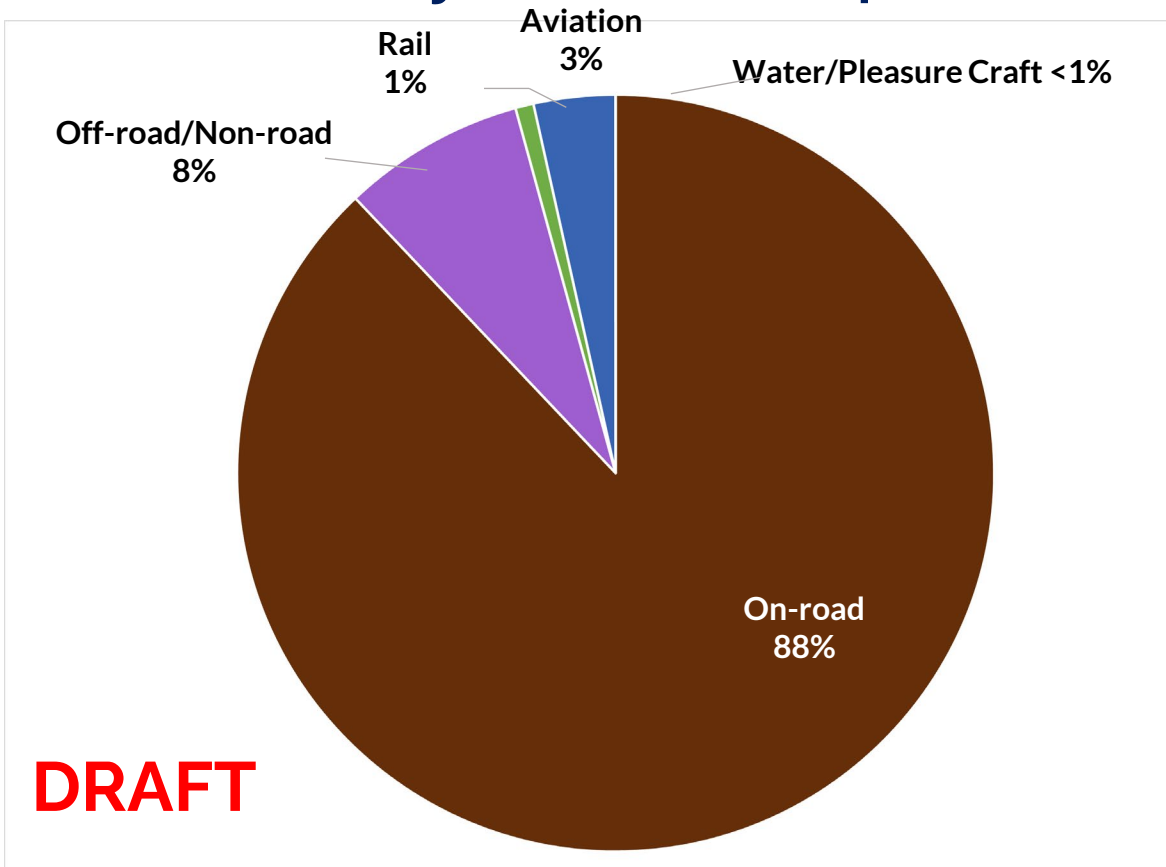
~12 trillion smartphone charged



~10 billion gallons of diesel consumed



# Greenhouse Gas Emissions Inventory - Transportation Sector



**DRAFT**

DFW 12-County MPA Transportation and Mobile Sources CO<sub>2</sub>e = 44,358,492 Metric Tons\*

\*Based on 2019 data



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County	On-road CO <sub>2</sub> e
Collin	11%
Dallas	38%
Denton	9%
Ellis	4%
Hood	1%
Hunt	2%
Johnson	2%
Kaufman	3%
Parker	3%
Rockwall	1%
Tarrant	24%
Wise	2%

# Public Input Opportunities

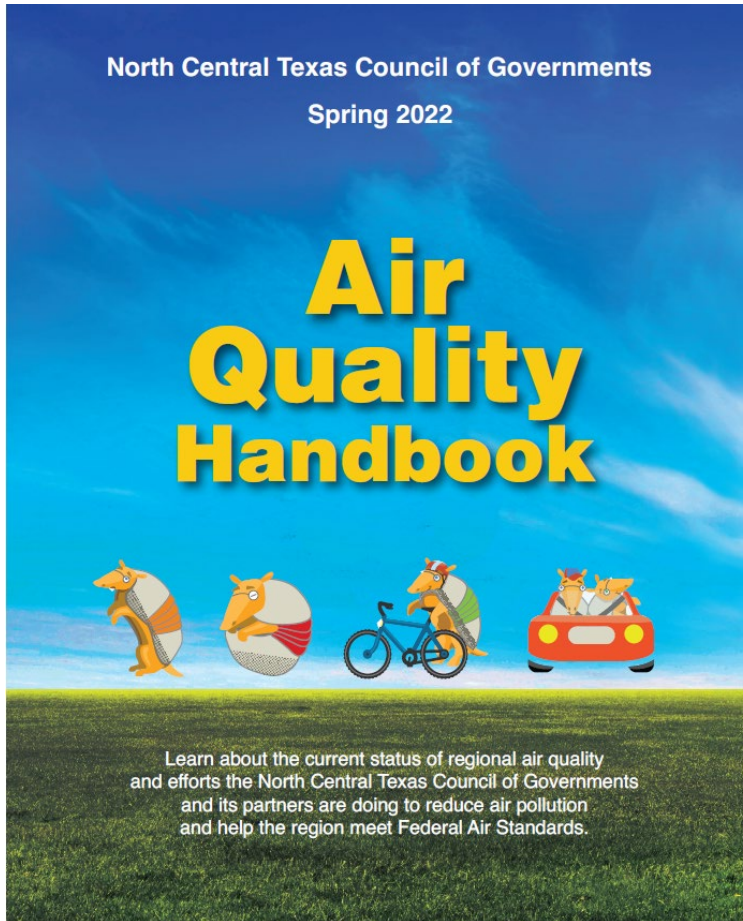
Opportunity	Expected Date
Virtual CPRG kick-off meeting	Summer 2023
In-person meetings to provide input on GHG reduction measures	September – November 2023
Virtual meetings to update on deliverable development	Quarterly
Virtual engagement opportunities to provide input on GHG reduction measures	Summer 2023 – Summer 2025
Email updates on deliverable development	Quarterly

For more information go to: <https://publicinput.com/nctcog-cprg>



# Air Quality Handbook

## English



[https://www.nctcog.org/getmedia/3e4466f8-aad7-4979-b336-d0b79c6fd10e/eq2022printer\\_spring.508e33.pdf?lang=en-US](https://www.nctcog.org/getmedia/3e4466f8-aad7-4979-b336-d0b79c6fd10e/eq2022printer_spring.508e33.pdf?lang=en-US)



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## Spanish



<https://www.nctcog.org/getmedia/8d3a380e-dc11-4286-8efa-e430b74e337c/eq2022spanish.b128ac.pdf?lang=en-US>

## Vietnamese



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



# Contact Us



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