

Environmental Protection Agency's Climate Pollution Reduction Grants

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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
- Phase 2: \$4.6 Billion in Competitive Implementation Grants

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



CPRG Planning Grants Overview

North Central Texas Council of Governments (NCTCOG) was awarded \$1 million in funds to develop a comprehensive, multipollutant plan to improve air quality for the entire region

NCTCOG will collaborate with local governments and the public to develop the following deliverables:

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

The CPRG Planning Grants deliverables will be incorporated into the NCTCOG's Dallas-Fort Worth Air Quality Improvement Plan .

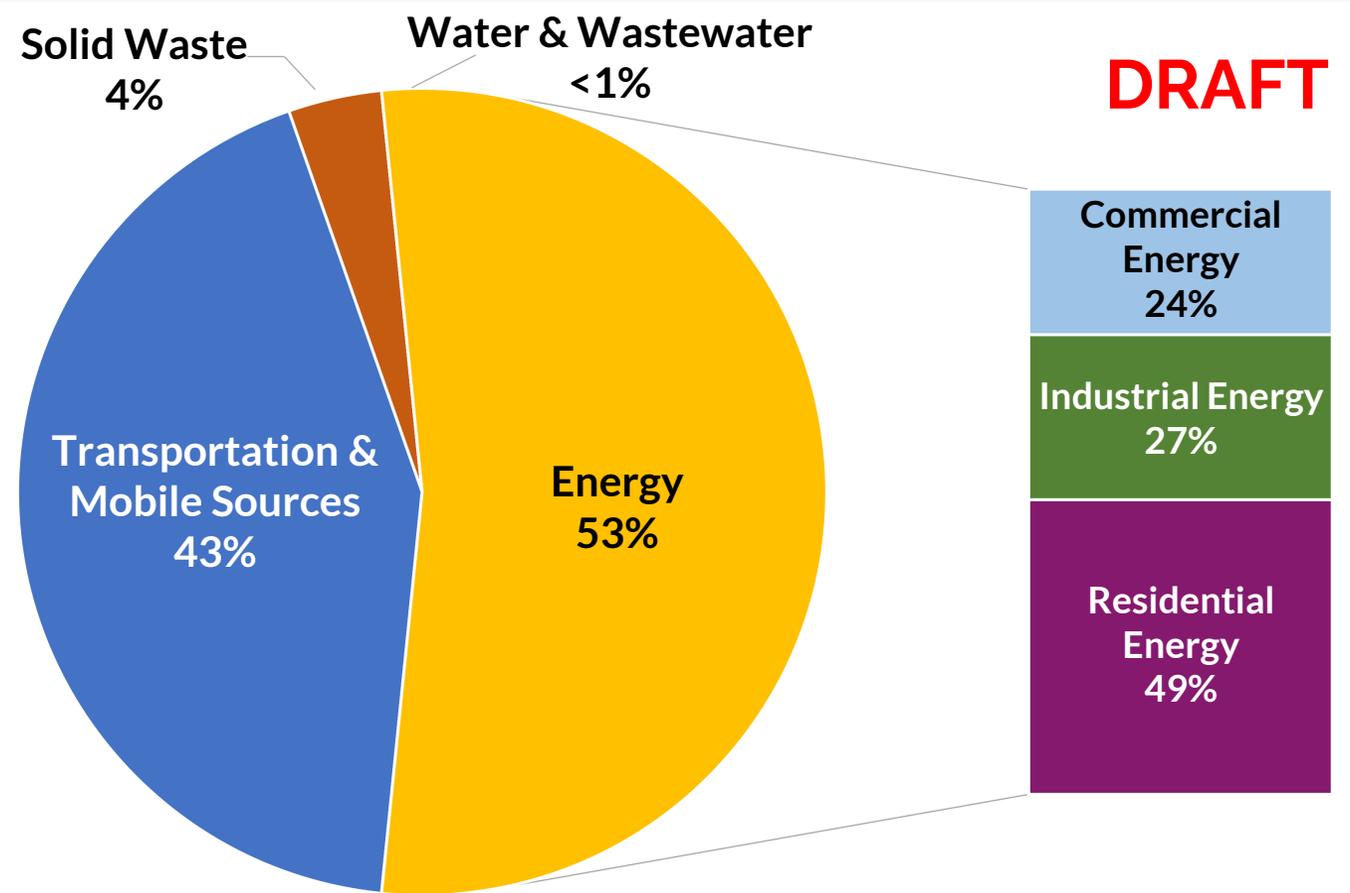


Planning Grants: Priority Climate Action Plan

Task	Description
Greenhouse Gas Inventory	<ul style="list-style-type: none">- Calculate the GHGs produced in the 16 counties in North Texas- Include transportation, energy, agriculture, waste and materials management sectors
Quantified GHG Reduction Measures	<ul style="list-style-type: none">- Identify projects, programs, and policies to reduce GHG emissions- Quantify the benefits of projects, programs, and policies
Low-Income/Disadvantaged Communities Benefits Analysis	<ul style="list-style-type: none">- Calculate the potential benefits to disadvantaged communities through the deployment of GHG reduction measures- Benefits can include lower energy costs, economic benefits, improved air quality, etc.
Review of Authority to Implement	<ul style="list-style-type: none">- Review GHG reduction measures to ensure they can be implemented
Funding Analysis	<ul style="list-style-type: none">- Identify funding to implement the GHG reduction measure



2019 Greenhouse Gas Emissions Inventory Results



103,035,792 Metric Tons of CO₂e is equivalent to:



~28 coal-fired power plants



~12 trillion smartphone charged



~600,000 railcars' worth of coal



~10 billion gallons of diesel consumed

DFW 12-County MPA Carbon Dioxide Equivalent (CO₂e) = 103,035,792 Metric Tons*

*Based on 2019 data

Carbon Dioxide Equivalent CO₂e = Greenhouse Gases (Carbon Dioxide CO₂, Methane CH₄, Nitrous Oxide N₂O) x Respective Global Warming Potentials (GWP)



National Ambient Air Quality Standards

<u>Criteria Pollutant</u>	<u>Attainment Status</u>
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Ozone	✘
Lead	✓
Carbon Monoxide	✓
Nitrogen Oxides	✓
Particulate Matter	?
Sulfur Dioxide	✓

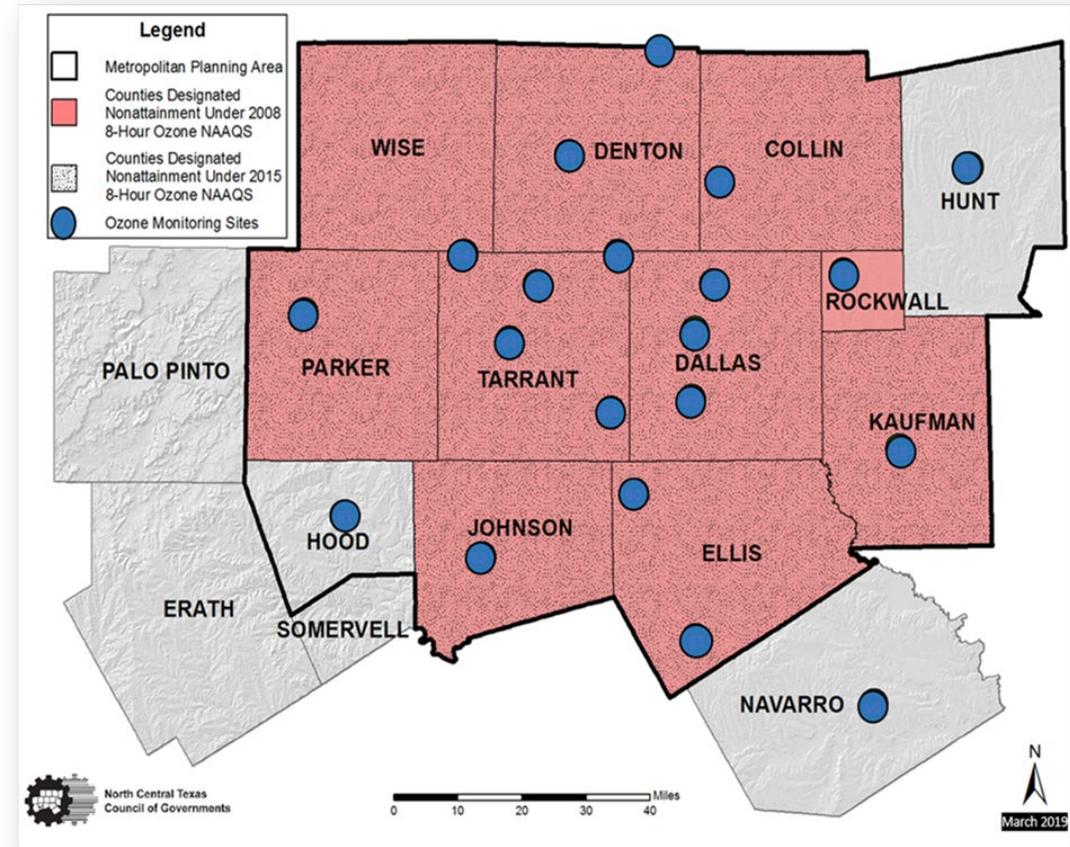
Health Impacts of Ground-Level Ozone

Coughing and sore throat

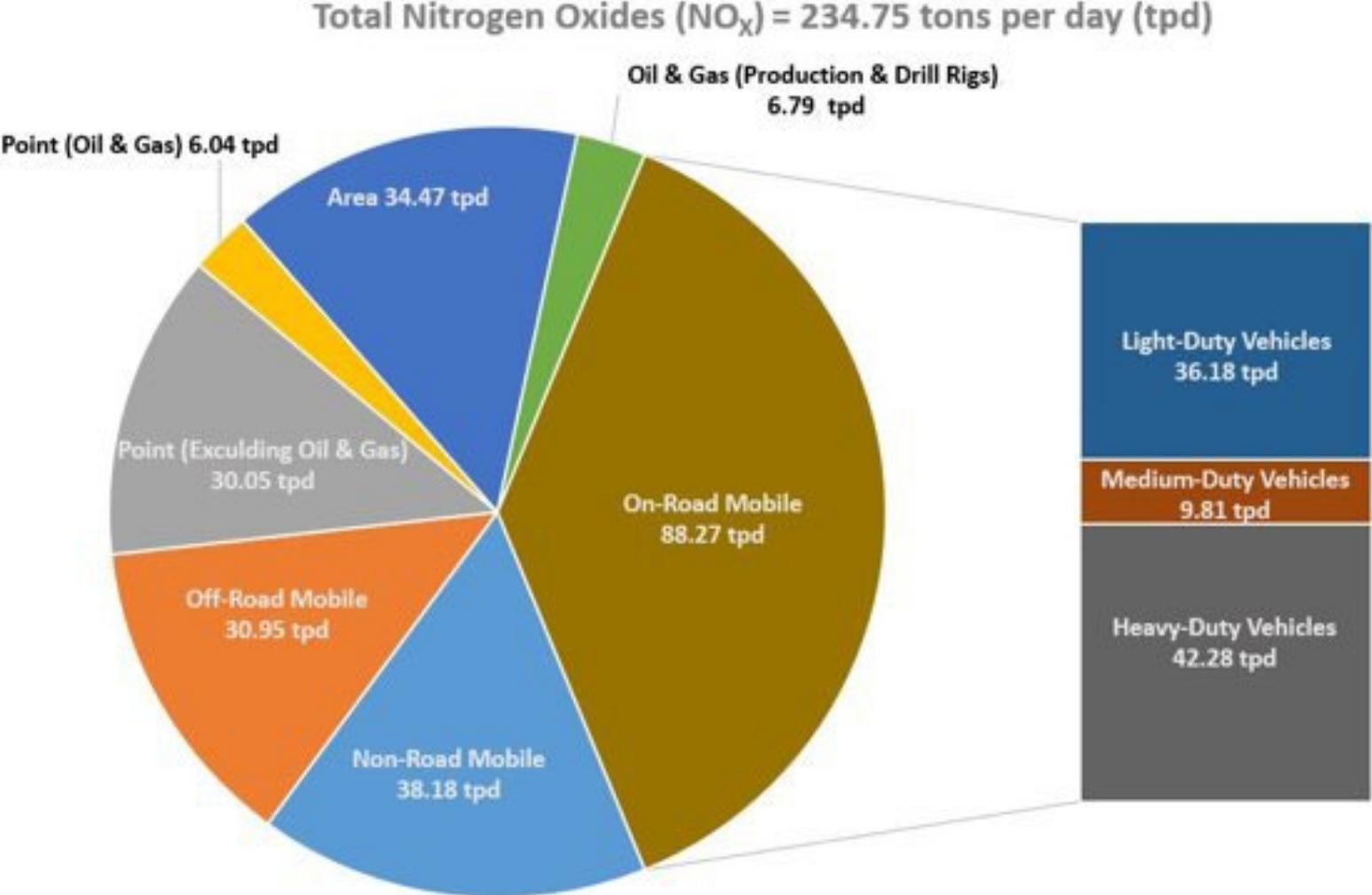
Inflame and damage airways

Aggravate lung diseases (asthma, bronchitis, etc.)

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



Nitrogen Oxides Emissions Sources



Source: Dallas-Fort Worth Serious Classification Attainment Demonstration State Implementation Plan Revision for the 2008 Eight-Hour Ozone National Ambient Air Quality Standard, September 2019



CPRG Implementation Grants

\$4.6 billion in funding available to implement GHG reduction measures from the PCAP

- Individual awards will be between \$2 million and \$500 million

Goals:

- Stimulate transportation towards a decarbonized economy
- Results in benefits to low-income and disadvantaged communities
- Achieve GHG emission reductions that are long-lasting and certain
- Incorporate high labor standards, emphasize job quality
- Support measures for which funding is unavailable

Eligible Measures:

- New stand-alone GHG reduction measures
- Expansion of current reduction measures



Example Measures

Sector	Measure
Transportation	<ul style="list-style-type: none">- Provide incentives for the purchase of electric vehicles (EV)- Upgrade railroad crossings to prevent vehicle idling- Provide incentives for carpooling- Add more bike lanes with barriers- Subsidize the cost of public transit- Provide more on-demand/micro mobility transit services
Energy	<ul style="list-style-type: none">- Installation of renewable energy (solar) and energy storage on municipal, commercial, and residential facilities- Rebates for home weatherization- Implementing clean electricity standards
Water, Wastewater, and Solid Waste	<ul style="list-style-type: none">- Implementing new programs to reduce or divert waste (ex: composting)- Standards to incentivize methane emission reductions from landfills and wastewater treatment facilities
Agriculture/Natural and Working Lands	<ul style="list-style-type: none">- Incentive for reduction of nitrous oxide emissions from fertilizer- Urban afforestation and green infrastructure programs and projects



Public Input Opportunities

NCTCOG needs feedback on the types of GHG reduction measures you would like included in the PCAP!

Sign up for email updates at <https://publicinput.com/nctcog-cprg> to be notified of meetings, feedback opportunities, and more.

Future Feedback Opportunities	Expected Date
In-person meetings to provide input on GHG reduction measures	Starting 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



Contact Us



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