

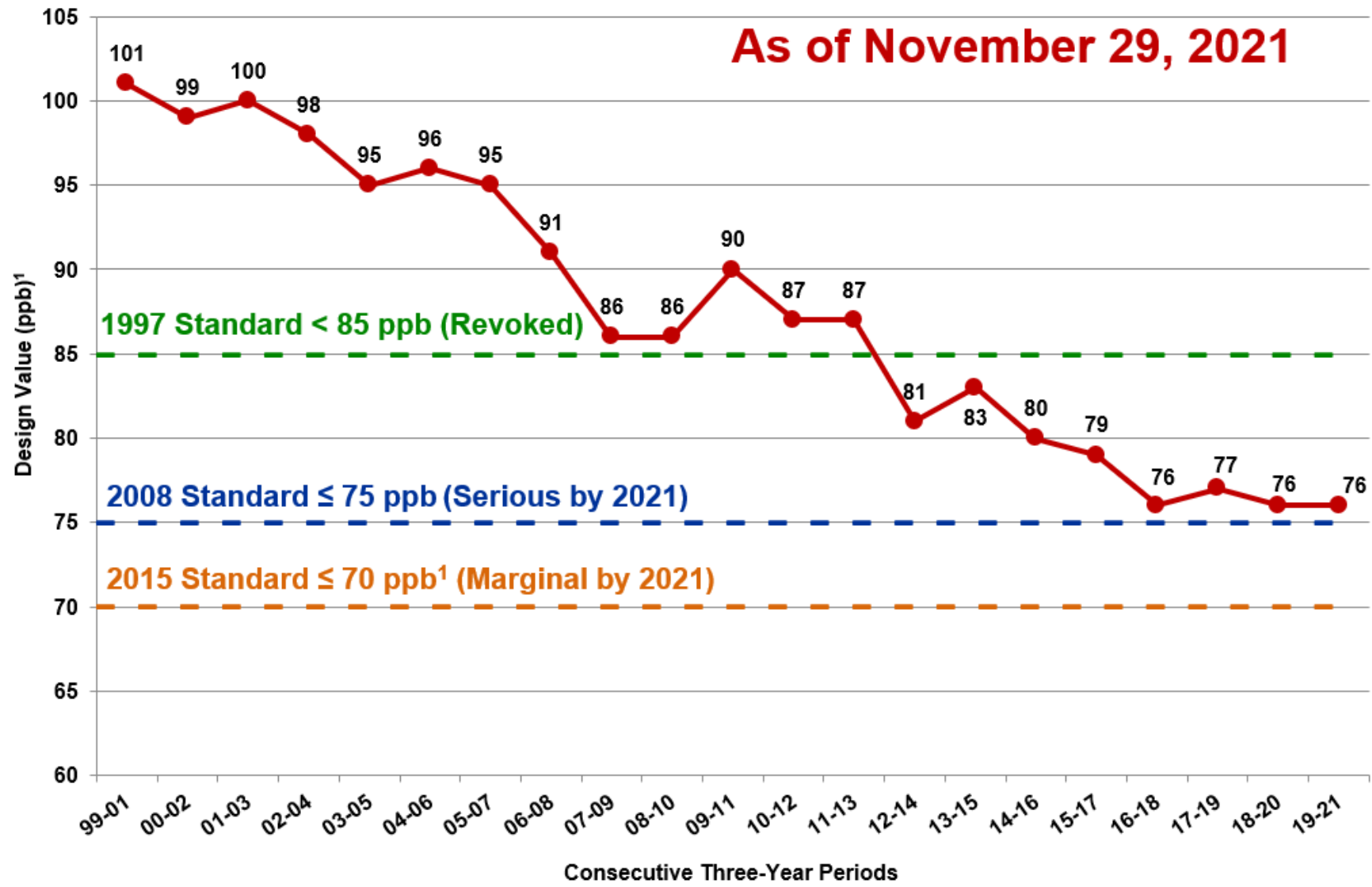
NCTCOG PRESENTATION

# North Texas Clean Diesel Project 2021

WORKSHOP  
December 13, 2021

North Central Texas Council of Governments

# 8-HOUR OZONE NAAQS HISTORICAL TRENDS



<sup>1</sup>Attainment 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).

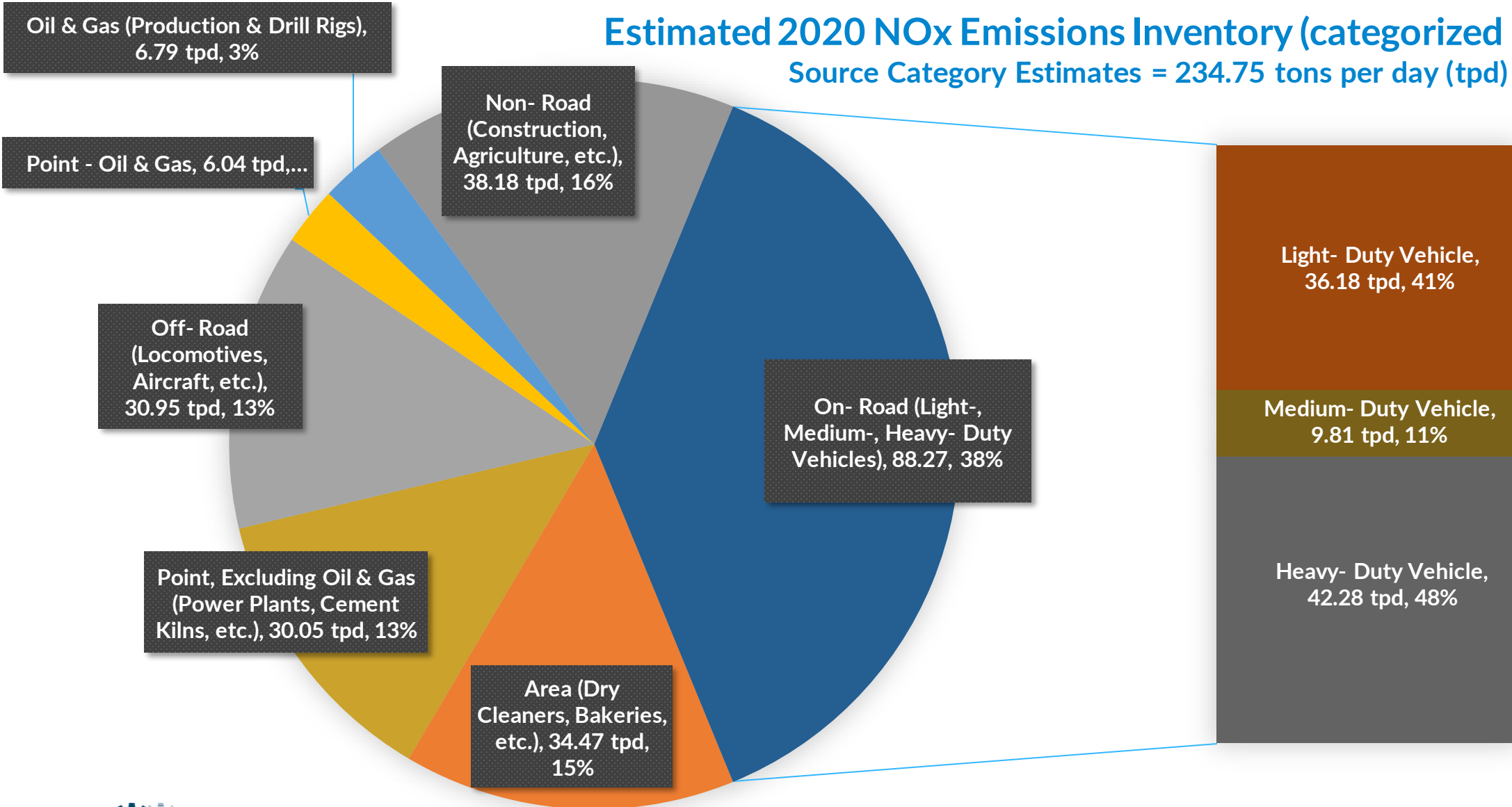
Source: NCTCOG TR Dept



# North Central Texas Air Quality

## Estimated 2020 NOx Emissions Inventory (categorized by source)

Source Category Estimates = 234.75 tons per day (tpd)



# Funding and Applicant Eligibility

**Funding Source: Environmental Protection Agency (EPA)  
National Clean Diesel Funding Assistance Program**

<b>Call for Project</b>	North Texas Clean Diesel Projects 2021
<b>Project Types</b>	Replace Onroad and Nonroad Diesel Engines/Vehicles/Equipment; TRU Trailers; Install Locomotive Shore Power
<b>Available Funding*</b>	\$1,531,290
<b>Applicants</b>	Private Fleets and Companies; Public Entities such as Local Governments
<b>Geographic Area</b>	10-County Nonattainment Area This includes Collin, Dallas, Denton, Ellis, Johnson, Kaufman, Parker, Rockwall, Tarrant, and Wise counties.

\*A committed project of \$825,000 was included in the EPA award.



# Project Eligibility

## North Texas Clean Diesel Project 2021

Eligible Activities	Funding Threshold		
<u>Replace Onroad Diesel Vehicles and Engines*</u> <ul style="list-style-type: none"><li>• GVWR: 16,001 and Up;</li><li>• EMY: Older - 2009 (Also EMY 2010 - Newer if Replacing with Electric or Low NO<sub>x</sub>);</li><li>• Must Operate &gt; 7,000 Miles/Year during 24 Months Prior to Application</li></ul>	<u>Replacement Type</u>	<u>Vehicles</u>	<u>Engines</u>
	New is Electric (Zero Emission):	45%	60%
	Cost if New is Powered by Certified to CARB Optional Low-NO <sub>x</sub> Standards:	35%	50%
	Cost for All Others or EPA Certified:	25%	40%

\*All old vehicles/engines/equipment must be scrapped; other model years eligible on case-by-case basis. California Air Resources Board (CARB); Engine Model Year (EMY); Gross Vehicle Weight Rating (GVWR)



# Project Eligibility

## North Texas Clean Diesel Project 2021

Eligible Activities	Funding Threshold		
<b><u>Replace Nonroad Diesel Equipment and Engines*</u></b> <ul style="list-style-type: none"><li>• Must Operate &gt; 500 Hours/Year during 24 Months Prior to Application;</li><li>• Eligible Tiers Vary</li><li>• Applies to Locomotive Engines</li></ul>	<u>Replacement Type</u>	<u>Vehicle/Equipment</u>	<u>Engines</u>
	New is Electric (Zero Emission):	45%	60%
	Cost if New is Powered by Certified to CARB Optional Low-NO <sub>x</sub> Standards:	35%	50%
	Cost for All Others or EPA Certified:	25%	40%

\*All old vehicles/engines/equipment must be scrapped; other model years eligible on case-by-case basis. California Air Resources Board (CARB); Engine Model Year (EMY); Gross Vehicle Weight Rating (GVWR)



# Project Eligibility

Eligible Existing Engine Tier	Vehicle/Equipment Model Year 2020 or Newer			
	Eligible New Compression Ignition Tier		Eligible New Spark Ignition Tier	Zero Emission**
	Tier 3 - 4i*	Tier 4	Tier 2	
Unregulated through Tier 2	Yes	Yes	Yes	Yes
Tier 3	No	Yes	Yes	Yes

\*Tier 3 and Tier 4 interim (4i) allowed for vehicle/equipment replacement only when Tier 4 final is not yet available from OEM for 2020 model year equipment under the Transition Program for Equipment Manufacturers (TPEM). Tier 3 and Tier 4i engines may be used for engine replacement only if Tier 4 is demonstrated to not be available or feasible through a best achievable technology analysis

\*\*Eligible fuel cell projects are limited to hydrogen fuel cell equipment replacements for eligible terminal tractors/yard hostlers, stationary generators, and forklifts. Fuel cell engine replacement is not eligible.



# Project Eligibility

## North Texas Clean Diesel Project 2021

Eligible Activities	Funding Threshold	
<b><u>Replacement of Drayage*</u></b> <ul style="list-style-type: none"><li>GVWR: 33,001 and Up;</li><li>EMY: Older - 2009 (Also EMY 2010 - Newer if Replacing with Electric or Low NOx);</li><li>Operates on or transgresses through port or intermodal rail yard property for the purposes of loading, unloading, or transporting cargo</li></ul>	<b><u>Replacement Type</u></b>	<b><u>Maximum Funding Level</u></b>
	2014 or Newer Diesel, Alternative Fuel Vehicle, Gasoline, or Zero Emission Vehicle:	<b>50%</b>
	2018 or Newer: Zero-Emission or CARB Low-NOx	

\*Drayage truck operator must hold a valid and current vehicle registration and driver's license issued in the United States. Operator must have proof that your existing truck has been covered for primary liability insurance over the last year.





# Project Eligibility

North Texas Clean Diesel Project 2021		
Eligible Activities	Funding Threshold	
<u>Replacement of Diesel Transport Refrigeration Unit (TRU) Trailer</u> • TRU trailer Replacement ONLY	<u>Replacement Type</u>	<u>Maximum Funding Level</u>
	New Zero Tailpipe Emission eTRU* Trailer includes Charging Unit	45%
<u>Locomotive Shore Power Installation**</u>	40% Cost Coverage	

\*New unit will operate solely on grid, battery, or other zero emission power sources

\*\*All equipment and installation must be completed by EPA SmartWay Verified Technology Vendor

<https://www.epa.gov/verified-diesel-tech/smartway-verified-list-idling-reduction-technologies-irts-locomotives>



# Eligibility and Scoring Criteria

## North Texas Clean Diesel Project 2021

Characteristics	<b>Rebate Program</b>	
	Purpose: Reduces administrative burden as compared to a subgrant program.	
	<b>Competitive application process</b>	
	Purpose: Choose the best activities for our region.	
Eligibility	<b>Operate in Required Geographic Area</b>	
	<b>Clean Fleet Policy Adoption (Applicable to replacement type projects)</b> Purpose: Consistent with RTC Adoption of Clean Fleet Policy	
Scoring Criteria	<b>CRITERIA</b>	<b>% of Total Score</b>
	<b>Cost Per Ton NO<sub>x</sub> Emissions Reduced</b> Purpose: Maximize Emissions Reductions	70%
	<b>Rebate Recipient Oversight Criteria</b> Purpose: Balance Project Benefits with Administrative Burden	25%
	<b>Geographic Impact Criteria</b> Purpose: Preference to Projects Operating in Environmental Justice areas	5%

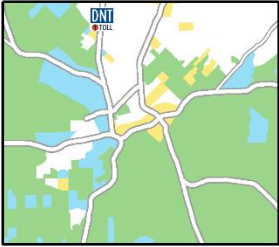


Projects that operate and/or headquartered within areas that have above regional average **low-income** and/or **minority** populations will

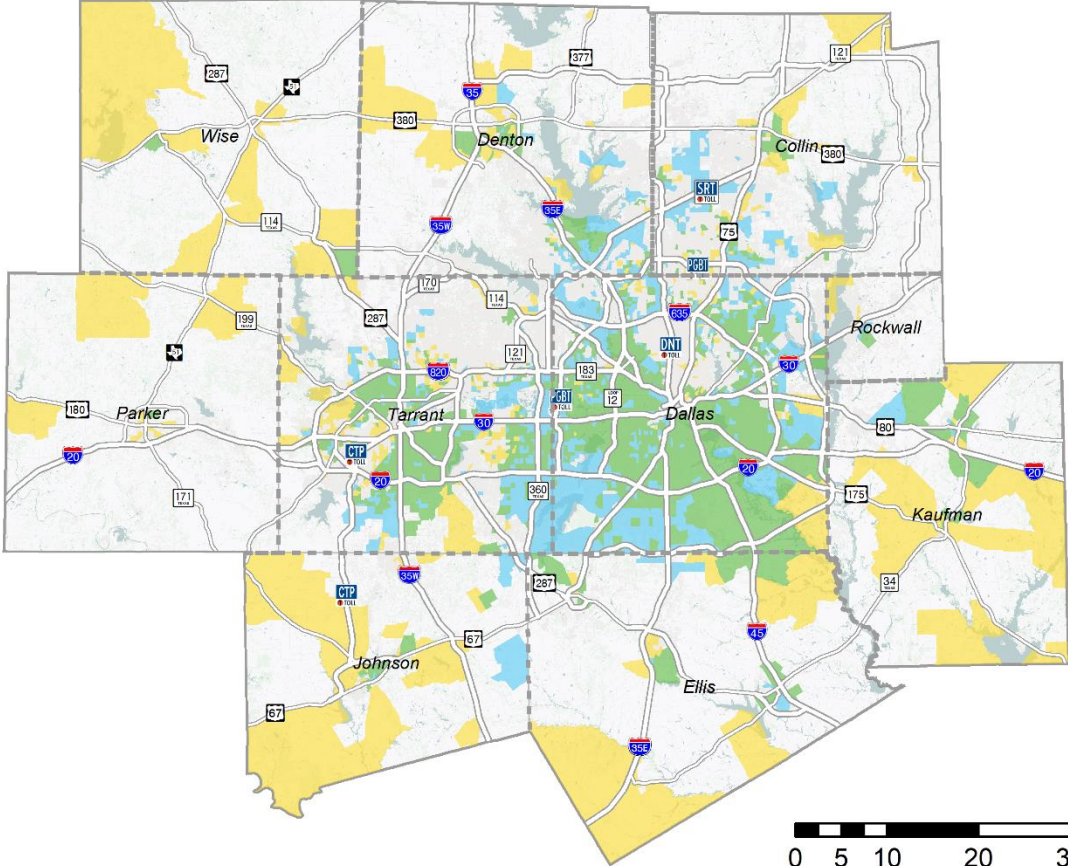
# Environmental Justice Index

Central Business Districts

Dallas



Fort Worth



## Legend

- Block Groups Above Regional Percentage: Low Income
- Block Groups Above Regional Percentage: Total Minority
- Block Groups Above Regional Percentage: Low Income and Total Minority

- Block Groups At or Below Regional Percentage: Low Income and Total Minority
- Counties
- Highways
- MPA Boundary

The Environmental Justice Index (EJI) displays Census block groups above the regional percentage for two variables: Total Minority and Low Income. "Regional percentage" is defined as the percentage for the 12-county metropolitan planning area, including Hood and Hunt counties in addition to the counties shown above. The Total Minority population includes individuals who identify their race as any race other than white, or who identify their ethnicity as Hispanic. The Low Income population includes individuals whose household income in the past 12 months was below the Department of Health and Human Services poverty threshold. The EJI is a preliminary screening tool to identify areas that may need additional analysis when considering EJ groups in a plan, project, or program.

Source: 2019 American Community Survey  
5-Year Estimates



North Central Texas  
Council of Governments



# Where to Apply

[www.NCTCOG.org/NTCDP2021](http://www.NCTCOG.org/NTCDP2021)

Council of Governments  
See Call for Project Guidelines for more specific eligibility information in the 'How to Apply' section below.

## How to Apply

### How to Apply:

1. Review [Guidelines](#) [PDF]
2. Review [Frequently Asked Questions](#) [PDF]
3. Fill out the **Intent to Submit Form** (optional): Submitting this form entitles the applicant to a reminder notice two weeks in advance of the application deadline.
4. Submit an Online Risk Questionnaire. Review and fill out the PDF version to familiarize yourself with the questions. You will need complete and submit the Online Risk Questionnaire. Once you start the questionnaire online, we will need to finish in one session from the beginning and submit. If you are a public entity such as a local government, the North Central Texas Council of Governments may already have a current risk assessment on file. Please contact Nancy Luong at 817-704-5697 or [nluong@nctcog.org](mailto:nluong@nctcog.org) to verify.
  - [Online Risk Questionnaire](#)
  - [Online Risk Questionnaire](#) [PDF]
5. Submit Applications by Mail or In Person
  - [Application](#) [XLS]
  - For emailed application responses, you must still include original signatures for Part 4- Certifications and Assurances section and any required documentation with hard copy application packet to be considered complete.
  - The application and all needed attachments must be received by 5 p.m. on the deadline date. Applications received after that time will be considered with applications submitted for the next application deadline. Applications received after 5 p.m. on the final deadline will

[www.NCTCOG.org/AQFunding](http://www.NCTCOG.org/AQFunding)

## Funding and Resources

### Funding

Funding for projects that address air quality, such as clean vehicle projects, are available from a number of federal, state, local, and non-profit entities.



Funding for Consumer Vehicle Purchases



Funding for Fleet Vehicle Projects



Funding for Other Air Quality Improvement Strategies

### Hot Topics

- **North Texas Clean Diesel Project 2021 NEW!**
- North Texas Freight Terminal Electrification 2020
- Volkswagen Settlement

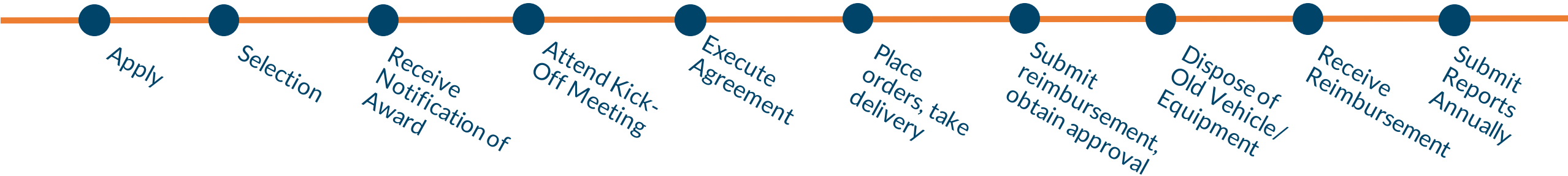


# Application Checklist

- ✓ Review Guidelines
- ✓ Submit an Online Intent to Submit Form (Optional)
- ✓ Complete Online Risk Assessment
- ✓ Attach Price Quote
- ✓ Attach the following as applicable:
  - ✓ Signed Clean Fleet Policy and Idle Reduction Policy
  - ✓ Proof of valid and current vehicle registration
  - ✓ Proof of insurance liability
- ✓ Email Completed Application (not required but recommended)
- ✓ Sign and submit hardcopy application prior to deadline
  - ✓ Project Contact – Manages Project
  - ✓ Authorized Official – Signs Grant Agreement



# OVERALL PROCESS-HIGH LEVEL



# Projects Estimated Schedule

Milestone	Estimated Timeframe
STTC Action to Recommend Opening CFPs	September 24, 2021
RTC Approval of Recommended Opening of CFPs	October 14, 2021
CFPs Open	October 14, 2021
Application Deadline (Rolling 90-Day Application Deadline Until Fully Awarded)	January 14, 2022
Staff Funding Recommendations Finalized	January-February 2022
STTC Action	March 2022
RTC Action	April 2022
Executive Board Authorization	April 2022
Project Implementation Deadline	January 31, 2024





# Important Reminders

1. **Do not proceed with project purchases until given specific instructions to proceed, otherwise reimbursement may not be given.**
2. **A contract agreement will need to be signed by Awardees and the North Central Texas Council of Governments if selected rebate recipient accepts the award.**
3. **Monthly progress reporting during project implementation and annual reporting after project implementation will be expected to be submitted by awardees to ensure compliance with grant requirements otherwise reimbursement may need to be returned at a prorated amount.**







# CONTACT US

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