

MEETING REMINDERS



Please Mute Your Device Unless
You Are Speaking

- Presenters will use video feature while speaking.
- Please use the chat feature to ask questions. We will have a discussion at the end for any questions in the chat.
- Attendees are encouraged to use the “Raise Hand” feature when they have a comment or question and would like to be recognized.

Diesel Emissions Reduction Calls for Projects: North Texas Freight Terminal Electrification and North Texas Emissions Reduction

November 18, 2020

Webinar Workshop

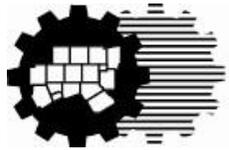
Huong Duong, Air Quality Planner

Jason Brown, Principal Air Quality Planner

[Join Zoom Meeting Link](#)

CALL IN NUMBER: 1-346-248-7799

MEETING ID: 863 9283 0925

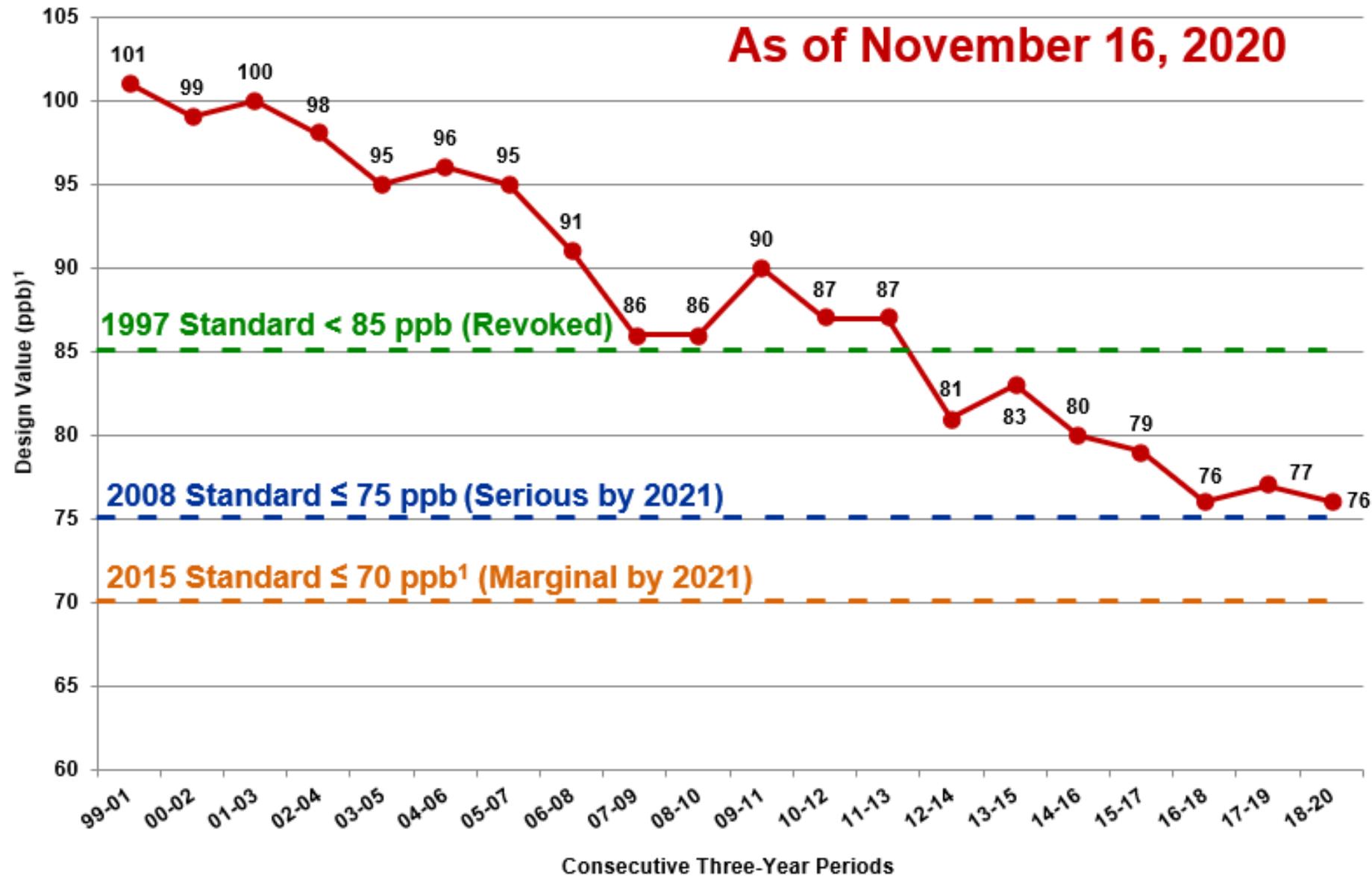


North Central Texas
Council of Governments



Regional Transportation Council

8-HOUR OZONE NAAQS HISTORICAL TRENDS

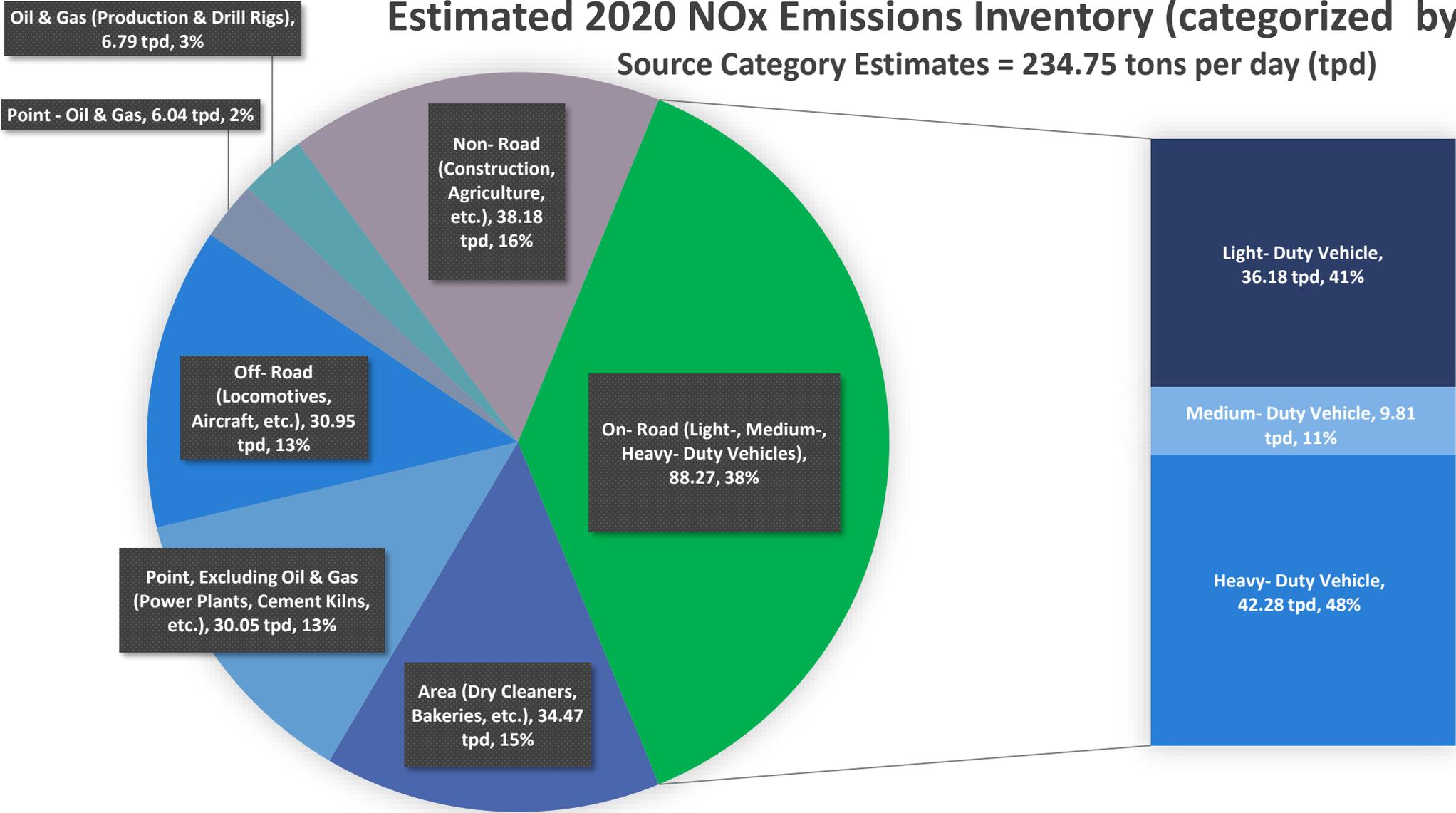


¹Attainment Goal - According to the US EPA National Ambient Air Quality Standards, attainment is reached when, at each monitor, the Design Value (three-year average of the annual fourth-highest daily maximum eight-hour average ozone concentration) is equal to or less than 70 parts per billion (ppb).

North Central Texas Air Quality

Estimated 2020 NOx Emissions Inventory (categorized by source)

Source Category Estimates = 234.75 tons per day (tpd)



Calls For Projects Overview

Source of Funds:

EPA National Clean Diesel Funding Assistance Program

Funding Available:

- North Texas Freight Terminal Electrification (NTFTE) 2020: \$960,225
- North Texas Emissions Reduction Project (NTERP) 2020: \$2,350,000

Structure:

Competitive Basis

Rebate Program

First Application Deadline*: **Friday, January 8, 2021 at 5:00 PM CST**

*Deadline Every Three Months, at 5 pm Central Time, Beginning January 8, 2021, and Continuing Until All Funds Awarded or Final Application Deadline on October 8, 2021

NTFTE and NTERP Applicant Eligibility

	North Texas Freight Terminal Electrification (NTFTE) 2020	North Texas Emissions Reduction Project (NTERP) 2020
Applicants	Freight Terminals and Distribution Centers	Private Fleets and Companies
Clean Fleet Policy	Not Applicable	Must Adopt Regional Transportation Council Clean Fleet Policy or Similar
Geographic Area	10-County Nonattainment Area; Considerations will be given for project located within: Environmental Justice and Freight Oriented Development Areas	12 Counties (10-County Nonattainment + Hood & Navarro)

10-County Nonattainment Area - Collin, Dallas, Denton, Ellis, Johnson, Kaufman, Parker, Rockwall, Tarrant, and Wise Counties

NTFTE Project Eligibility

All projects must implement an EPA-verified EPS system which is listed on the SmartWay Verified Idle Reduction Technologies website at www.epa.gov/verified-diesel-tech/smartway-verified-list-idling-reduction-technologies-irts-trucks-and-school.

Eligible Activities	Maximum Funding Levels	Estimated Unit Cost
Electrified Parking Spaces	30% up to \$3,600/space	\$12,000
Power Monitoring Equipment	30% up to \$1,800/equipment	\$6,000
Electric Power Kits	30% up to \$900/kit	\$3,000

NTFTE Project Eligibility

Electrified Parking Spaces:

Construction and installation of EPA-verified EPS systems at truck terminals and distribution centers in the ozone non-attainment area. Projects must be designed to provide power to only eTRUs of heavy-duty trucks and trailers working in freight goods movement.

Includes: Trenching, construction, electrical wiring, and charging equipment

Power Monitoring Equipment:

Installation of an electric power monitoring equipment per site. Monitoring equipment shall monitor the usage at EPS specifically.

Limit: 1 Monitor per site location

Electric Power Kits:

Installation of connection equipment that aids transport refrigeration units to connect receptacles and pedestal in order to keep refrigerated trucks and trailers operating. Optional equipment depending on location.

NTFTE Project Examples

Project Description	Total Project Cost	Funding Threshold	Grant Amount
8 Electrified Parking Spaces	EPS: \$12,000 each Total Cost: \$96,000	30%	\$28,800
7 Electrified Parking Spaces 1 Power Monitoring Equipment	EPS: \$12,000 each Power Monitoring Equipment: \$6,000 each Total Cost: \$90,000	30%	\$27,000
6 Electrified Parking Spaces 1 Power Monitoring Equipment 6 Electric Power Kits	EPS: \$12,000 each Power Monitoring Equipment: \$6,000 each Electric Power Kits: \$3,000 Total Cost: \$96,000	30%	\$28,800
5 Electrified Parking Spaces	EPS: \$12,000 each Total Cost: \$60,000	30%	\$18,000

NTERP Project Eligibility

	Eligible Activities	Maximum Funding Levels
Eligible Activities	<u>Replace On-Road Diesel Trucks*</u> 16,001 GVWR and Up; Model Year 1996-2006; (Also Model Year 2007-2009 if Replacing with Electric)	45% Cost if New is Electric; 35% Cost if New is Powered by Engine Certified to CARB Optional Low-NO _x Standards (Both Natural Gas and Propane Engines Currently Available); 25% Cost for All Others
	Rail and Switch Yards Idling Control Technology Installation**	40% Cost Coverage

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

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

NTERP Project Eligibility

Non-Road Equipment Replacement

Operate 500 Hours or More Per Year

Current Engine Horsepower	Eligible Old Engine Model Year and Tier**	Engine Model Year 2018 or Newer		Maximum Funding Levels
		Eligible New Compression Ignition Tier	Eligible New Spark Ignition Tier	
0 - 50	2006 and Newer; Unregulated – Tier 2	Tier 4 final or All-Electric	Tier 2	45% Cost if New Is Electric
51 - 300	1996 and Newer; Tier 0 – Tier 2	Tier 3, 4 interim, Tier 4 final or All-Electric		
51 - 300	1996 and Newer; Tier 3	Tier 4 final or All-Electric		
301+	1986 and Newer; Tier 0 – Tier 2	Tier 3, 4 interim, Tier 4 final or All-Electric		
301+	1986 and Newer; Tier 3	Tier 4 final or All-Electric		
				35% Cost if New is Powered by Engine Certified to CARB optional Low-NO _x Standards
				25% Cost for All Others

*All Old Equipment Must be Scrapped; Other Model Years Eligible On Case-By-Case Basis.

NTERP Replacement Conditions

Old to New:

Must Perform the Same Function

Be of Same Type

Have Similar Gross Vehicle Weight Rating (GVWR) or Horsepower

Advance Approval Required if:

On-Road Vehicles – GVWR Not Within 10% of Intended Service Class

Non-Road Equipment – Horsepower Increase of More Than 25% Greater Than Old Engine

New Replacement:

Must be an Early Replacement

Cannot be Normal Attrition, which is defined as a replacement that is scheduled to take place within 3 years of the project start date.

Required Documentation:

- Price Quote
- Signed Copy of Clean Fleet Policy
- Fleet Attrition Schedule or Policy

NTERP and NTFTE Selection Criteria

	North Texas Emissions Reduction Project 2020	North Texas Freight Terminal Electrification 2020
Eligibility	Operate in Required Geographic Area	
	Clean Fleet Policy Adoption Purpose: Reserve Funding for Fleets that are Engaged Beyond Grant Opportunities; Consistent with RTC Adoption of Clean Fleet Policy	Private freight terminal or distribution center that primarily receive heavy-duty TRUs Purpose: Target facilities that would have the most emission reduction benefits
Scoring Criteria	Cost Per Ton NO _x Emissions Reduced (75% of score) Purpose: Maximize Emissions Reductions	
	Subrecipient Oversight Criteria (25% of Score) Purpose: Balance Project Benefits with Administrative Burden	Location* and Oversight Criteria (25% of score) Purpose: Balance Project Benefits with Administrative Burden

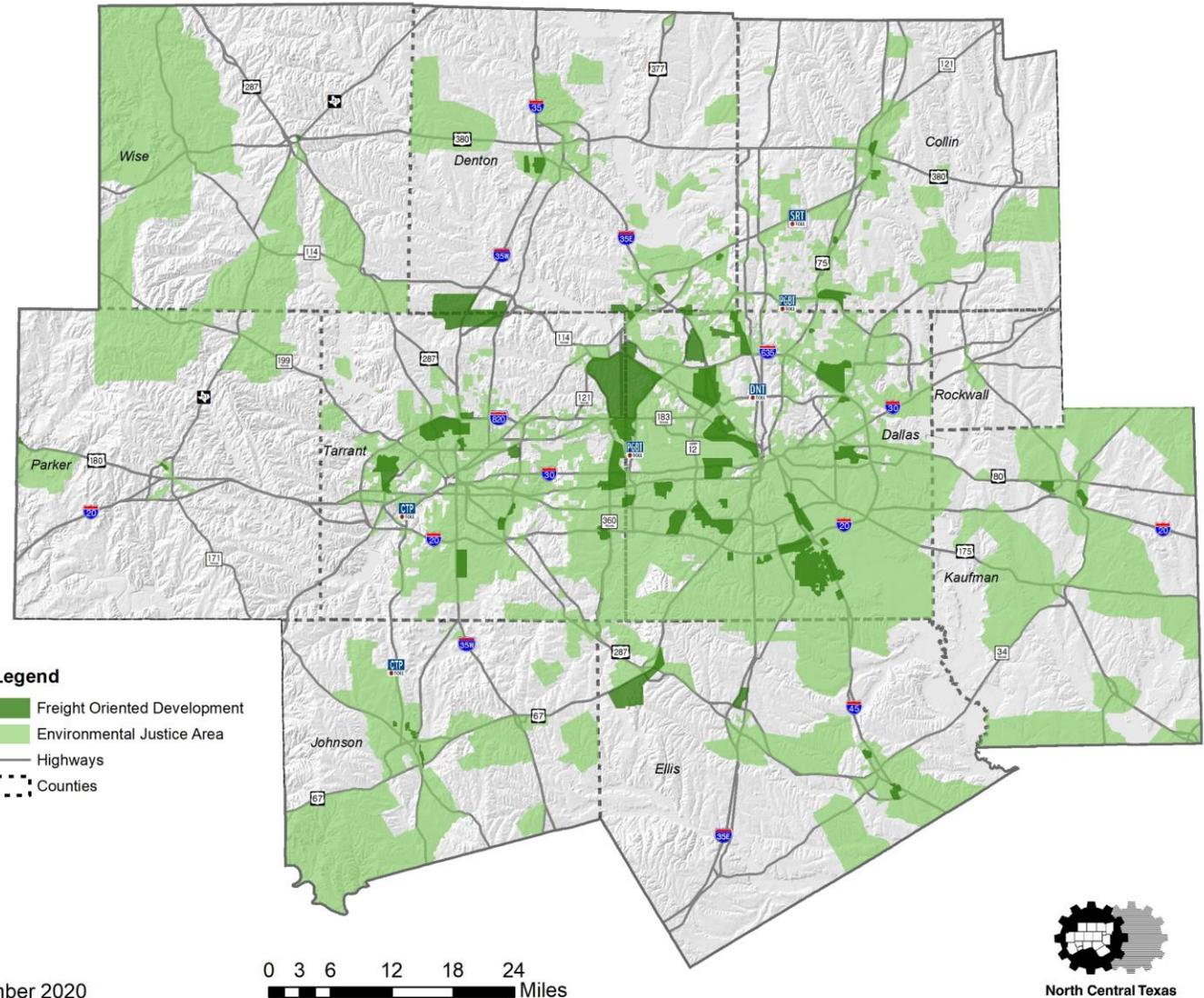
*Next Slide for More on Location

NTFTE Selection Criteria Continued

Qualitative Assessment (continued):

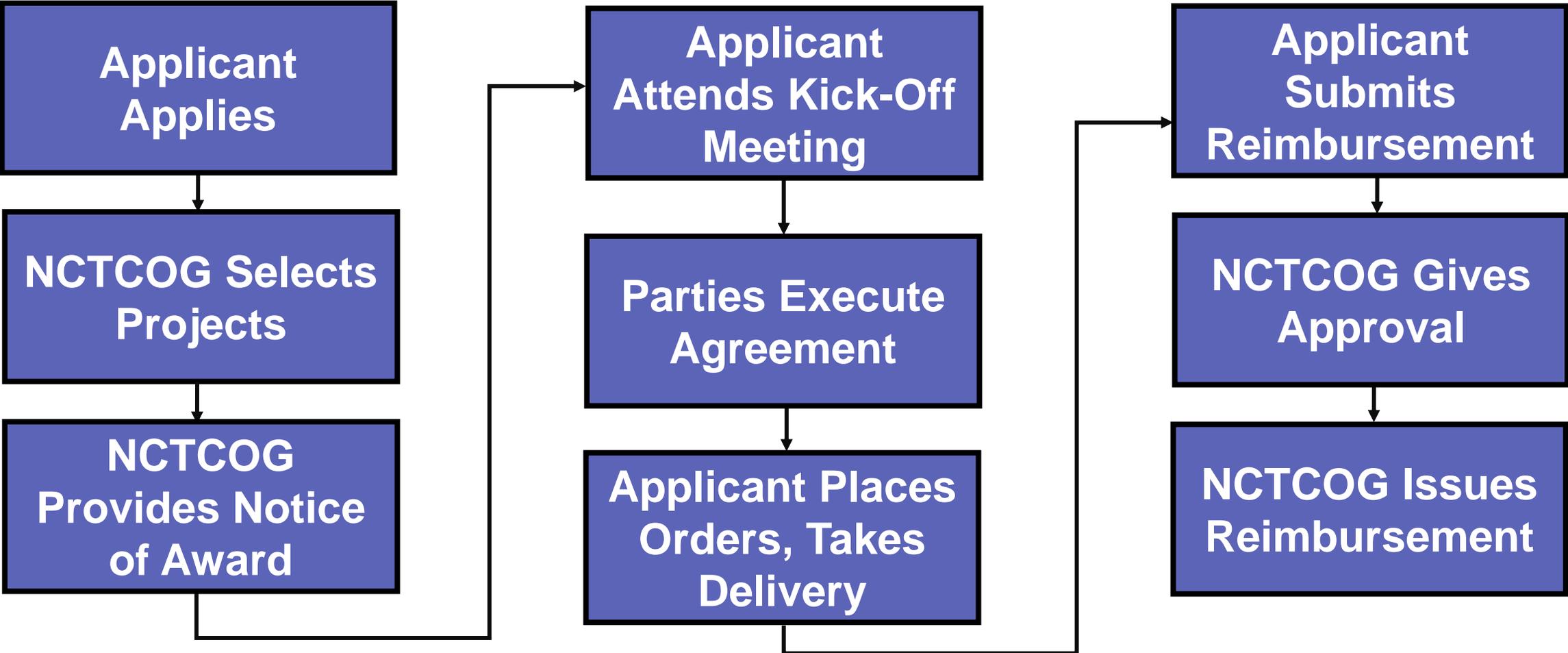
Purpose: Maximizing Benefits in Sensitive Populations and Freight Industry Dense Areas

- Projects located within or near Environmental Justice areas of the eligible geographic area, which may result in emissions reductions which more effectively impact critical ozone monitors
- Projects located near freight corridors



November 2020

Overall Process – High-Level View



NTFTE and NTERP Risk Questionnaire

Risk Assessment:

www.surveymonkey.com/r/JW65WWP

Risk Assessment (PDF):

www.nctcog.org/nctcg/media/Transportation/DocsMaps/Quality/Air/Online-Risk-Questionnaire.pdf

Contact:

DJ Hale

dhale@nctcog.org

817-608-2373

NTFTE and NTERP Application Process

1 Go to 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

2

Hot Topics

- **Clean Fleets North Texas 2020 Call For Projects NEW!**
- **North Texas Freight Terminal Electrification 2020 NEW!**
- **North Texas Emissions Reduction Project 2020 NEW!**
- **Industry/Vendor Feedback Requested Regarding Technologies that Meet FHWA Buy America Requirements NEW!**

0 3.256.5 13 19.5 26 Miles

North Central Texas Council of Governments

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

- How to Apply**
- Helpful Resources and Information**

Staff Contacts
Huong Duong
Trey Pope
Jason Brown

How to Apply

How to Apply:

1. Review [Guidelines](#) [PDF]
2. Review [Frequently Asked Questions](#) [PDF]
3. Fill out the **Intent to Submit Form**: 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.
 - **Online Risk Questionnaire**
 - [Online Risk Questionnaire](#) [PDF]
5. Submit an Application by Mail or In Person
 - [Application](#) [PDF]
 - **Online Application**
 - An email with your responses will be sent to the applicant's email (if provided) within 1-2 days if completed online. Please email if you have not received the responses (AQGrants@nctcog.org)

NTFTE Application Checklist

- ❑ Step 1: Review Guidelines
- ❑ Step 2: Submit an Online Intent to Submit Form (Optional)
- ❑ Step 3: Submit an Online Risk Assessment
- ❑ Step 4: Submit Completed Online Application and PDF Application
 - Only original signed application will be accepted
 - Project Contact - Manages Project
 - Authorized Official - Signs Grant Agreement

DESIRED EQUIPMENT SHOULD NOT BE PURCHASED

NTERP Application Checklist

- ❑ Step 1: Review Guidelines
- ❑ Step 2: Submit an Online Intent to Submit Form (Optional)
- ❑ Step 3: Submit an Online Risk Assessment
- ❑ Step 4: Submit Application (EXCEL)
 - Only original signed application will be accepted
 - Project Contact - Manages Project
 - Authorized Official - Signs Grant Agreement

DESIRED EQUIPMENT SHOULD NOT BE PURCHASED

Application Delivery

Applications Must be in a Sealed Envelope With a Return Address on the Outside

Mail or Deliver to: (Faxes Not Accepted)

North Central Texas Council of Governments

Transportation Department

NTERP or NTFTE 2020

Attention: AQ Grants

616 Six Flags Drive

Arlington, TX 76011

First Deadline: Must be Received “in-hand” by 5:00 PM Central Standard Time on January 8, 2021

Applicants are Strongly Encouraged to Submit Online Applications in Advance to Facilitate Preliminary Review

Projects Awarded

- 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.**

Schedule

Milestone	Estimated Timeframe
STTC Approval to Open CFP	September 25, 2020
RTC Approval to Open CFP	October 8, 2020
CFP Opens	October 12, 2020
Application Workshop	November 18, 2020 at 1:30 PM
First Application Deadline	Friday, January 8, 2021 at 5:00 PM
Staff Funding Recommendations Finalized	February/March 2021
Surface Transportation Technical Committee Action	March 26, 2021
Regional Transportation Council Action	April 8, 2021
Executive Board Authorization	April 22, 2021
Project Implementation Deadline	February 26, 2023

Questions



For More Information

Huong Duong

Air Quality Planner

817-704-5678

HDuong@nctcog.org

Jason Brown

Principal Air Quality Planner

817-704-2514

JBrown@nctcog.org

Website

www.nctcog.org/aqfunding