



North Central Texas Council of Governments

North Texas Zero Emissions Vehicles (NTxZEV) Project Kickoff

Agenda

1. Kickoff, Project Overview, & Implementation Schedule

Lori Clark, NCTCOG

2. Agreement Overview

Aurelia Witt, NCTCOG

3. Project Requirements (Tasks 1-2)

Juliana VandenBorn, NCTCOG

4. Rebate Request Overview (Task 3)

Gabrielle Hoskins, NCTCOG

**5. Project Requirements Cont. (Tasks 4-5)
NCTCOG**

Juliana VandenBorn,

6. Questions and Other Assistance

All



A white Penske electric truck is parked on a city street. The truck has "PENSKE" and "ELECTRIC VEHICLE" written on its side. In the background, there is a modern building with a glass facade. The image is faded to serve as a background for the title.

Project Overview and Implementation Schedule

Who We Are

Regional Planning
Agency



Metropolitan Planning
Organization (MPO)
Policy Body



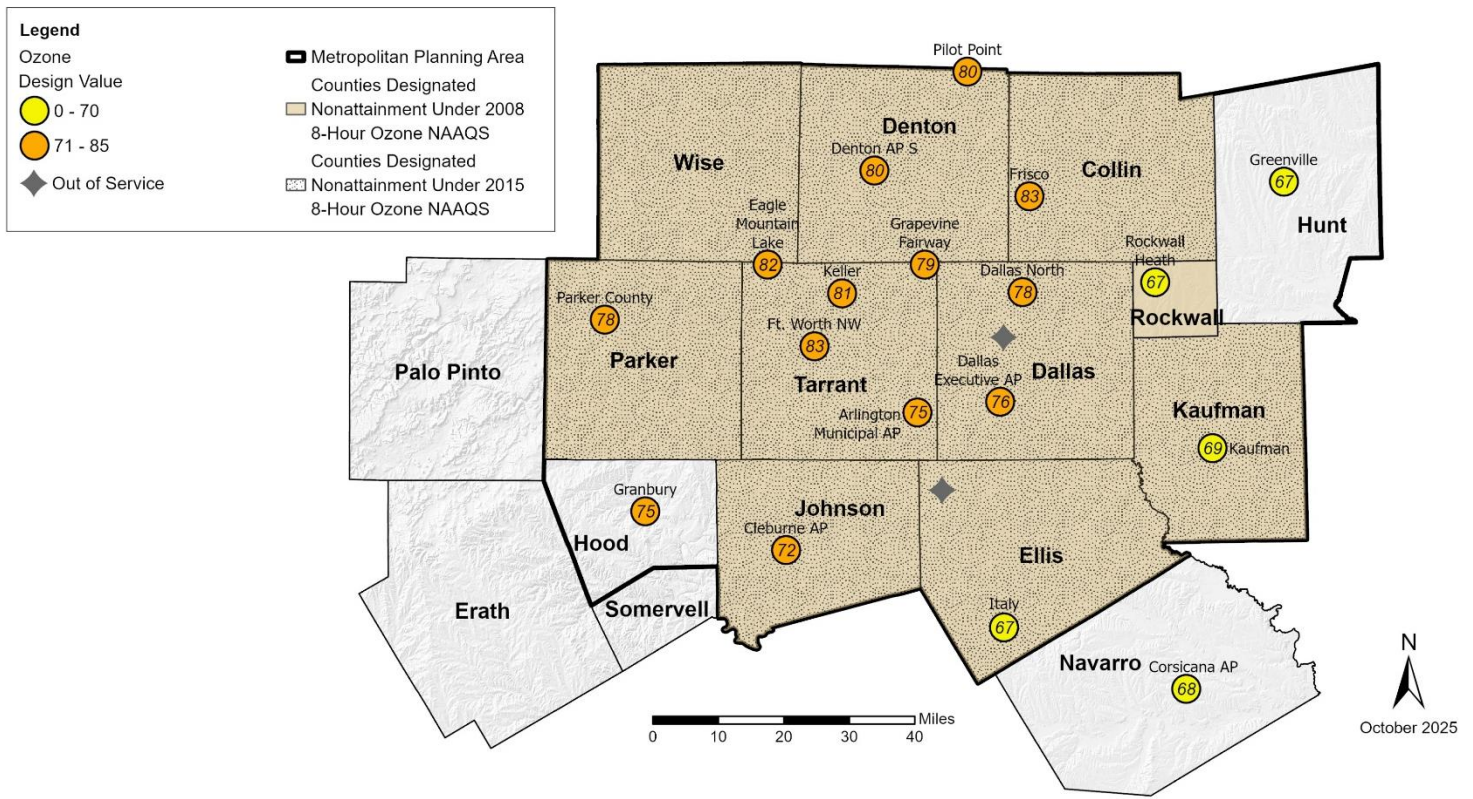
Department of Energy-
Designated Clean Cities
Coalition



Sister Coalitions in Texas:

- Alamo Area Clean Cities (San Antonio)*
- Central Texas Clean Cities (Austin)*
- Houston-Galveston Clean Cities*
- Apprentice Coalition: South Texas Clean Cities (Rio Grande Region)*

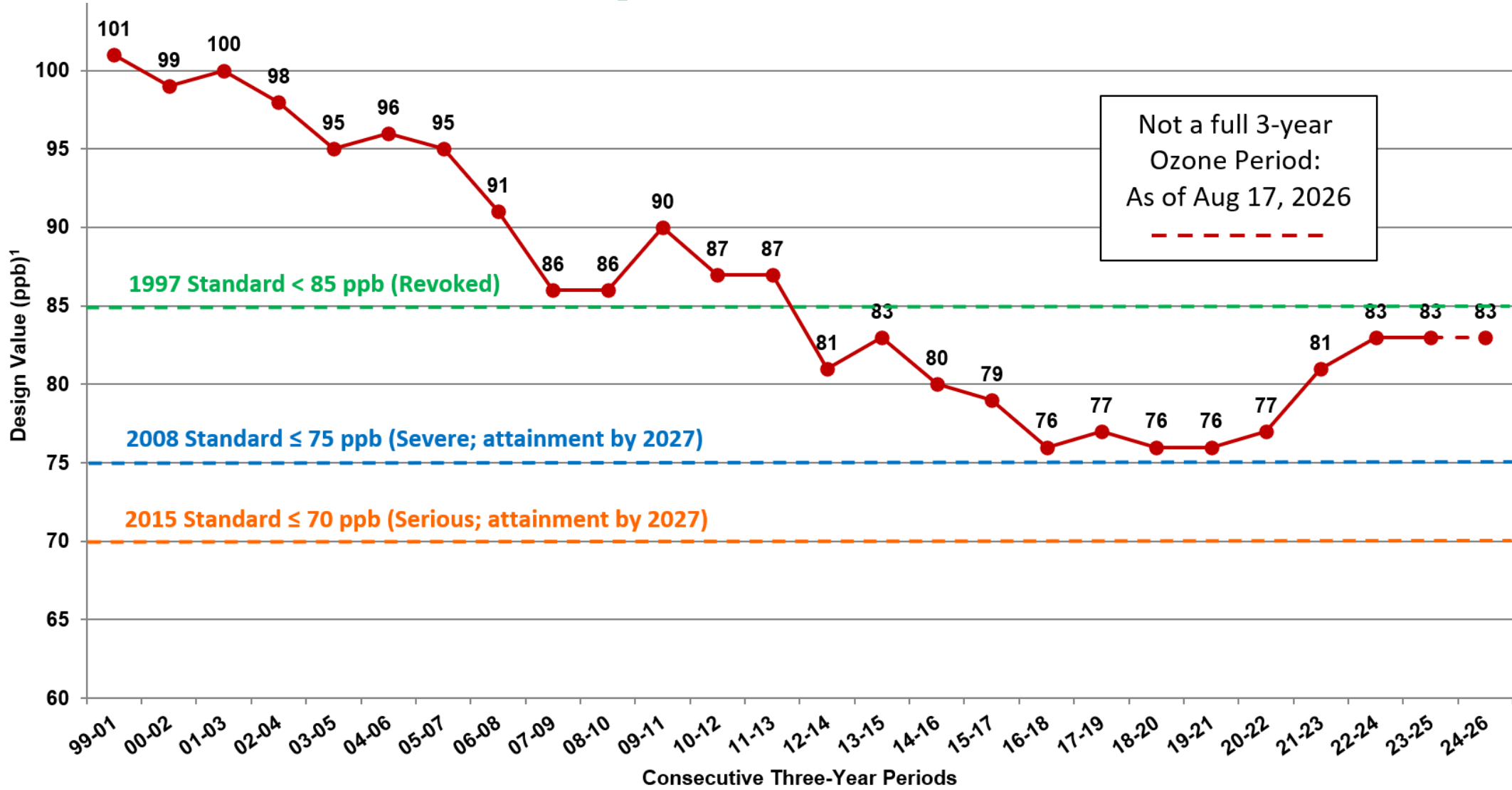
North Central Texas Council of Governments (NCTCOG) Region and Nonattainment Areas



Source: NCTCOG



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).

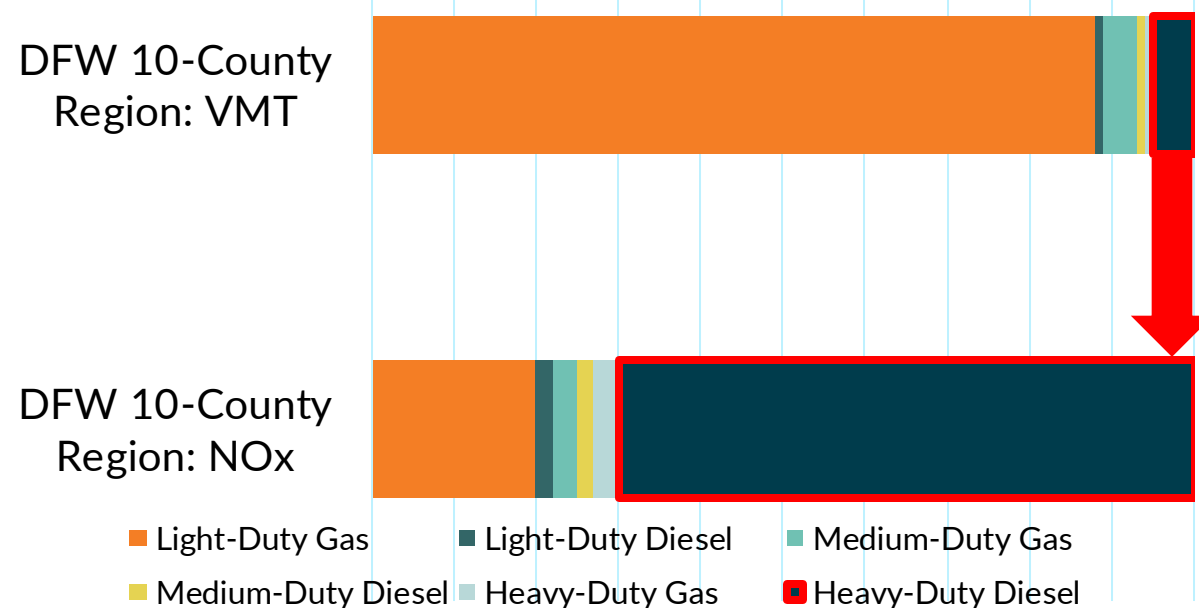


Program Context

- Current Ozone design value of 76 ppb* continues to exceed the EPA standard
- Heavy-duty diesel vehicles have disproportionate impact on regional air quality
- Unique program elements may expand project eligibility

For more information on North Texas Air Quality, check out the 2025 AQ Handbook at: www.nctcog.org/airquality

Vehicle Miles Traveled (VMT) Versus Nitrogen Oxides (NO_x) Contribution by On-Road Vehicle Type in Dallas-Fort Worth Analysis Year 2026



*www.nctcog.org/ozone



North Texas Zero Emissions Vehicles Project

- **Overview:** Funded by \$60 million from Environmental Protection Agency (EPA) Clean Heavy-Duty Vehicles (CHDV) Grant/Vocational Vehicles Sub-Program
- **EPA Purpose:** Incentivize deployment of Class 6 and 7 heavy-duty ZEV
- **NCTCOG Purpose:** Improve local air quality

Rebates:

- Are calculated from eligible expenses incurred
- Do not impose 2 CFR 200 requirements, such as:
 - Federally compliant procurement processes

NCTCOG Project Activity	Federal Funding
Rebates for Zero Emission Vehicles & Supporting Infrastructure Awarded via Call for Projects	\$58.6 million
Workforce Development and First Responder Training Activities Awarded via Request for Proposals and other Activities to be Determined	\$1.4 million
Total Federal Funding Awarded to NCTCOG:	\$60 million



Key Project Definitions

Program Beneficiary: Term used with EPA to identify the entity (your organization) that receives a rebate from a pass-through entity (NCTCOG) to carry out part of a federal program

Performing Party: Term used in the NCTCOG Agreement to identify the Program Beneficiary

Rebates: Payments to the Performing Party for the purchase of eligible vehicles and equipment. Rebates are calculated from eligible expenses incurred

Activity: An individual vehicle and or/supporting infrastructure the Performing Party is approved to acquire, operate, maintain, construct, and install as defined in the Agreement

Award Amount/Max Rebate Amount: The maximum amount of federal funding that may be paid to Performing Party, as a rebate, following successful completion of Activities and submittal of expenditure details to NCTCOG. The sum of all rebates paid to the Performing Party for all Activities shall not exceed the Award Amount, subject to the limits set by the lower of the Federal Share of New Vehicle Price or the Dollar Funding Cap

Project Assets: The vehicles and/or supporting infrastructure acquired as part of the agreement

Activity Life: The duration which the Performing Party is required to own and operate Project Assets

Tasks: Steps to be completed for each Activity by Performing Party



Project Scope of Work

**Must be Completed by
December 31, 2027**

**Conclusion of each
Activity = Activity
Completion**

Task 1- Purchase of New Vehicles and Any Supporting Infrastructure (also known as “Project Assets”) - by October 29, 2027

Task 2- Dispose of/Retire Existing Vehicle to be Replaced from Performing Party’s Fleet

Task 3-Submit Rebate Request – by December 31, 2027

**Must Continue for 5
Years From the Initial
Date in Service of
Each Project Asset**

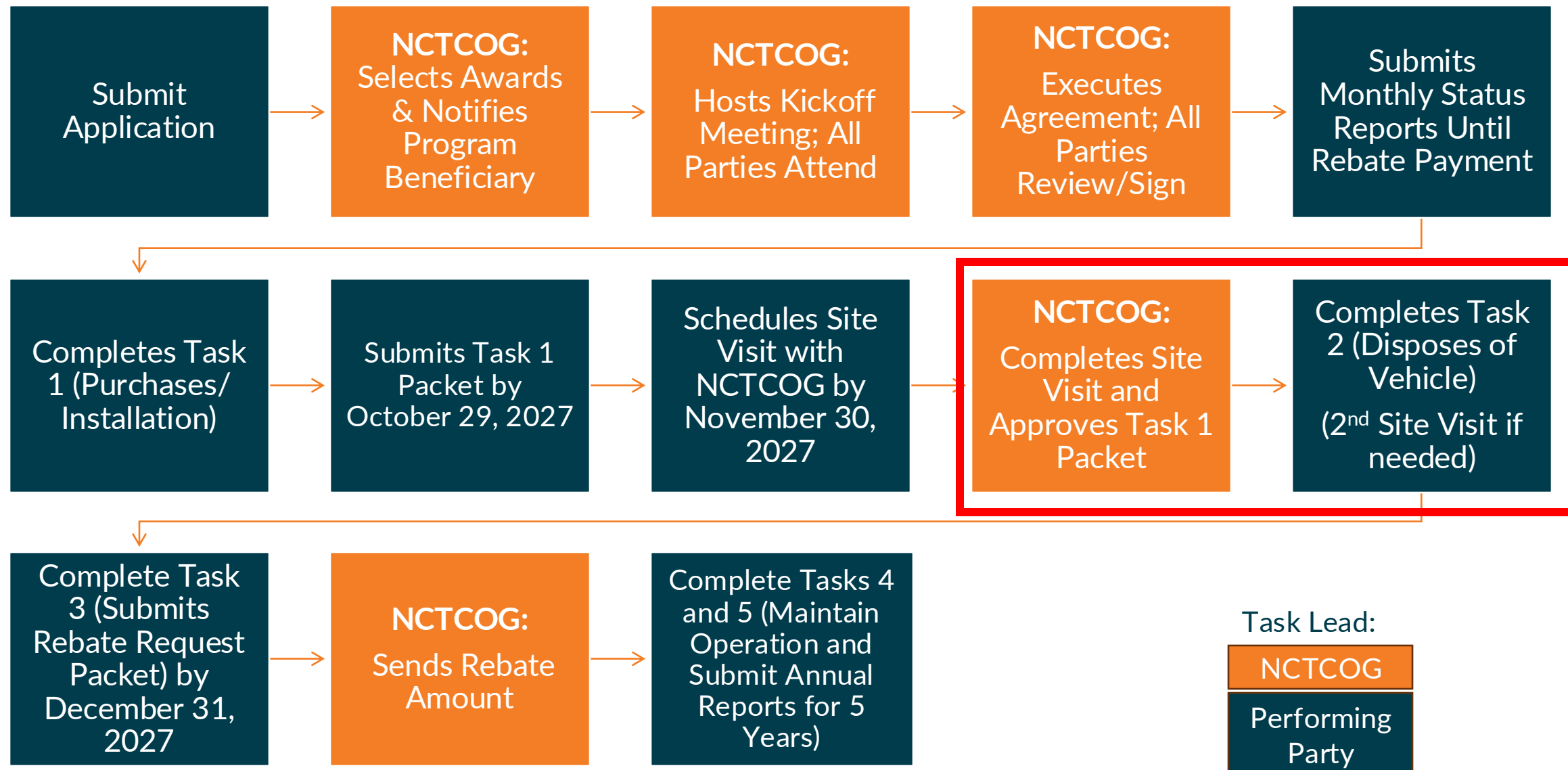
**Conclusion of the last
Activity = Project
Completion**

Task 4- Maintain Operation of Project Assets

Task 5- Submit Reports



Project Implementation and Rebate Process





Agreement Overview

Agreement Highlights

Cover Sheet

- Basic Info and Points of Contacts

Article 1: Project Details

Article 2: Terms of Agreement

- Scope of Work
- Activity Life
- Form and Function
- Geographic Location
- Compliance
- Build America, Buy America^{*}
- Davis-Bacon Act^{*}

Article 3: Amendments

- Modifications to the Agreement must be Reviewed by All Parties and Agreed to in Writing

Article 4: Equipment Use and Operational Expectations

Article 5: Funding & Budget

- Maximum Rebate Amount

^{}Only if Applicable*



Agreement Highlights

Article 6: Payments

- Certifying Official*
- Article 6.6 Return of Funds

Article 7: Reports and Deliverables

Article 10: Audits and Evaluations

- Vehicles/Equipment may be inspected by NCTCOG or NCTCOG's Funding Agency (EPA)

Appendices

- Scope of Work
- Restrictions on Lobbying Certification*
- Required State Clauses Certification*
- Build America, Buy America**

**Requires Information/Completion by Performing Party*

***Only if Applicable*



Compliance

Build America, Buy America (BABA)*

- Rebate-funded equipment acquired by a public agency or used for a public good must comply BABA.
- Requirements apply under 70913(a)(2) of the Infrastructure Investment and Jobs Act, 2 CFR 200.184 and 2 CFR 200.322 for the purchase, acquisition, or use of goods, products, or materials.
- NCTCOG will provide template materials for BABA documentation.

Davis-Bacon Act*

- Infrastructure projects over \$2,000 that involve construction work performed by laborers must comply with all applicable provisions of 40 USC § 3141 – 3148.
- Projects with anticipated construction costs in excess of \$2,000, Davis-Bacon (Payment of Prevailing Wage Rates) Act compliance requirements apply (40 U.S.C §§3141-3148, as supplemented by Department of Labor regulations 29 CFR Part 5)

**Only if applicable*



Appendix A – Scope of Work

Scope of Work (referred to as “Scope”) describes activities to be conducted

Approved Application Summary

Table of Vehicles Information and Award

Task 1 - Purchase of New Vehicles and Any Supporting Infrastructure (includes any construction/installation)

Task 2 - Following NCTCOG approval, Dispose of/Retire Existing Vehicle to be Replaced from Performing Party’s Fleet

Task 3 - Submit Rebate Request

Task 4 - Maintain Operation of Project Assets for 5 Years

Task 5 - Submit Reports



A white Penske electric truck is parked on a city street. The truck has "PENSKE" and "ELECTRIC VEHICLE" written on its side. In the background, there is a modern building with a glass facade. The image is faded to serve as a background for the text.

Task 1: Purchase of New Vehicles and Any Supporting Infrastructure

Task 1

Task 1- Purchase of New Vehicles and Any Supporting Infrastructure (also known as “Project Assets”)

- If applicable, submit BABA information to NCTCOG prior to proceeding with Purchases
- Make Purchases and/or Complete Installation of Project Assets as outlined in Scope
- Submit “Task 1 Packet” to document Completion and Initiate Next Steps Toward Additional Scope Activities

Task 1 Packet Includes:

- Cover Letter Identifying which Project Assets have been Purchased/Installed by Scope Activity #
- Bill of Sale and other Purchase Documentation (Purchase Invoice)
- Proposed Scheduling for NCTCOG Site Visit
 - NCTCOG must verify technical details and take required photos of Project Assets first-hand as part of Task 1 Packet approval

Must be Submitted by October 29, 2027



Eligible Costs

Eligible Costs are used to determine the Rebate Payment amount
Must be associated with Activities detailed in the Scope

Vehicle Costs

Costs that ensure the new vehicle can perform the same or similar functions and operations as the Existing Vehicle to be Replaced.

- Vehicle equipment
- Body components
- Upfitting or customization-related costs*

Infrastructure Costs

Up-front costs necessary to deploy and place infrastructure that supports a vehicle Activity into operation.

- Design and engineering costs
- Permitting
- Equipment
- Construction/installation costs

Warranties and software are considered eligible costs if the costs were *included with* the purchase of the vehicle and/or infrastructure

**The cost of optional components or “add-ons” that significantly increase the cost of the vehicle may not be eligible for funding*



Ineligible Costs

Ineligible Vehicles Costs

- Class 1-5 vehicles (GVWR of <6,000–19,500 lbs) or Class 8 vehicles (>33,001 lbs)
- Related Vehicle Costs not Purchased alongside the Vehicle
- Engine Replacement/Repower Projects (e.g., vehicles converted after the first retail sale)
- Off-Road or Hybrid Vehicles
- Vehicles Using A Power Unit/Technology That Creates Pollution (e.g., unvented diesel passenger heater)
- Fleet Expansion
- Vehicle Leasing (e.g., must be purchased)
- Vehicle Demonstration or Commercialization
- Emissions Testing

Ineligible Infrastructure Costs

- Infrastructure Work Outside The Relevant Facility or On The Utility Side of the Meter
- Non-renewable On-site Power Generation Systems

Other Ineligible Costs

- Use of Other Public Financial Assistance (e.g., “stacking” funding)
- Costs Incurred Prior to the Agreement Execution with NCTCOG
- Program Beneficiary Administrative or Other Costs
- Fees Associated with Procurement Organizations or Third-Party Consultants
- Project cannot be required by any Regulations



Vendor Information for Vehicles and Infrastructure

[NTxZEV Vendor Information Form Results](#): Non-comprehensive list of vendors selling vehicles, infrastructure, and/or supporting services that may be eligible for funding (based on vendor submittals)

[Alternative Fuels Data Center \(AFDC\)](#): Information, data, tools for ZEV deployment and search current ZEV available through the Advanced Vehicle Search Tool

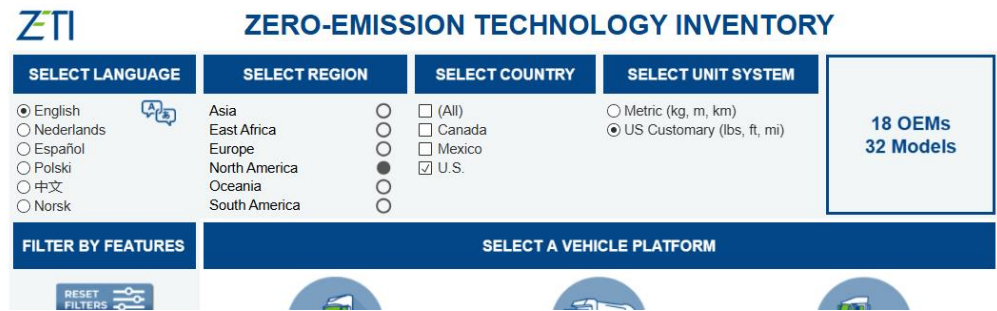
[CALSTART's Drive to Zero Tool](#): Search current and upcoming medium- and heavy-duty ZEV

Vehicle Class	Fuel Type	OEMs	Models
6	Electric	13	22
6	Fuel Cell	2	6
7	Electric	5	6



The Zero-Emission Technology Inventory (ZETI) tool is an interactive online resource to establish a current and shared knowledge base for worldwide commercially available offerings of zero-emission medium- and heavy-duty vehicles (MHDVs). The tool provides fleets and governments with comprehensive information covering key vehicle specifications and insights including regions where zero-emission brands are available for purchase, and the timeline over which additional models are expected to become available. Commercial availability is defined as availability for immediate production based on placed orders.

An evaluation of model trends based on ZETI data can be found in the [ZETI Data Explorer](#).



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Task 2: Vehicle Disposition Process

Task 2: Disposition Process

No Disposition Activities should occur without first coordinating with NCTCOG on Site Visit and Task 1 Packet Approval

Existing Vehicle Disposition Requirements:

- Performing Party must proceed with disposition of each existing vehicle within 30 days of receiving NCTCOG approval of Task 1 Packet
 - NCTCOG must be present to view the existing vehicle to be disposed of and witness destruction, if being scrapped. IDEALLY occurs during the same site visit where NCTCOG verifies Project Asset details as part of Task 1 approval, but may be scheduled separately if necessary.
- Existing vehicle must be disposed of within 90 days of receiving the new vehicle, or by November 30, 2027, whichever is sooner
- If utilizing third party scrappage, additional requirements may apply



Disposition Options and Process

For all Disposition Options: During the site visit, NCTCOG will take necessary photos of the old vehicles, and all parties will complete the [2024 Clean Heavy-Duty Vehicles \(CHDV\) Grants Vehicle Eligibility and Disposition Statement Form](#)

To Scrap:

- Complete an application for a salvage or non-repairable vehicle title for the existing vehicles in advance of completing disposition and submit completed form with Rebate Request Packet.
- All vehicles/engines must be rendered permanently disabled by:
 - Disabling the engine requires cutting, drilling, or punching a three-inch-by-three-inch (3" x 3") hole in the engine block (the part of the engine containing the cylinders) and cutting or crushing one chassis rail between the axles.
 - Disabling the chassis consists of cutting completely through the frame/frame rails on each side of the vehicle at a point located between the front and rear axles. Vehicle components that are not part of the engine or chassis may be salvaged from the unit being replaced (e.g., plow blades, shovels, seats, tires, etc.).
 - Both the engine and chassis of each vehicle must be disabled for each vehicle replacement activity.

To Sell/Donate:

- Include documentation of the vehicle(s) sale or donation (e.g. bill of sale) and a copy of the Vehicle Transfer Notification with the Rebate Request Packet.

To Move to a Reduced Service (for qualifying Transit Agency projects only):

- Receive prior approval from NCTCOG and EPA through a completed disposition plan prior to making any binding financial commitments to a vehicle manufacturer.



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Task 3: Submit Rebate Request

Task 3

- **Can only be submitted after:**
 - Task 1 Packet is approved by NCTCOG,
 - NCTCOG/Performing Party Complete and Document both Project Assets and Existing Vehicles to be Replaced through Site Visit(s), AND
 - Task 2 Disposition is Completed
- **Rebate Requests for Infrastructure Assets cannot be submitted prior to Rebate Requests for Vehicle Assets**



Rebate Request Overview

- Rebate amount will be determined based on the vehicle and fuel type. The funding for each vehicle replacement project is limited by the Federal Cost Share percentage, or the applicable funding cap, whichever is lower, as detailed in Article 5.
- Total Rebate to each Beneficiary capped to Total Award Amount
- The specified vehicle type, fuel type, Federal Share percentage, and any applicable funding cap will be outlined in each respective agreement
- Performing Party must complete Scope Activity to be eligible for a rebate payment



Rebate Request Must-Haves

- NCTCOG-issued Rebate Request form on company letterhead & checklist
- Signature from Certifying Official
 - Certifying Official signing Rebate Request must match Certifying Official named in the Executed Agreement
 - Certifying Official can be changed through formal written communication to NCTCOG
- Supporting documentation proving eligible expenses incurred:
 - Bill of Sale and other Purchase Documentation*
 - Project Asset Specs Form
- As applicable:
 - Scrappage or donation/sale documentation
 - Utility Partnership Template
- Completed Activity Number(s)
 - See *Approved Application Summary* section of Scope in Agreement



Rebate Request Reminders

- W-9 is required before the rebate payment can be issued
 - Send to apayable@nctcog.org
 - Note: address listed on W-9 will be the address that rebate payment(s) will be sent to, unless a different address is communicated to NCTCOG
 - Rebate Payment Options
 - Check
 - Electronic Funds Transfer (EFT)
 - For EFT, Submit the NCTCOG Direct Deposit Authorization Form
- Costs must be incurred by & paid with non-federal funding
- Rebates are capped to the Award Amount
- Rebate Request(s) must be submitted to trgrants@nctcog.org
 - Rebate packet forms will be available online at www.nctcog.org/AQfunding/forms
- Rebate Request Packet is due no later than December 31, 2027





Task 4: Maintain Operation of Project Assets for 5 Years

Task 4 Requirements

- **Meet Operational Expectations, *in similar form and function as Existing Vehicle to be Replaced***, including:
 - **Location** – Primarily in NCTCOG region, that is, Collin, Dallas, Denton, Ellis, Erath, Hood, Hunt, Johnson, Kaufman, Navarro, Palo Pinto, Parker, Rockwall, Somervell, Tarrant, and Wise counties
 - **Mileage/Idling Hours** – At least 7,000 miles or idle 500 hours per year (*dependent on eligibility of Existing Vehicle*)
- **Operate Project Assets for Activity Life (5 Years From Date In-Service)**
- **Must provide Notification of Any Changes of Project Assets** for the Duration of the Activity Life
- **Place a Label on the Project Assets** (if requested by NCTCOG)
- **Must surrender criteria pollutant emissions credits**
- **Attend ZEV Training**



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Task 5: Reporting and Project Schedule

Reporting

Project Status Reports

- Form provided by NCTCOG and will be available online
- Due by fifth (5th) day of each month starting with agreement execution, until final Rebate Payment is issued

Annual Reports

- Required reporting submitted each year for five (5) years
- Report online Information collected
 - Hours/mileage, location/area of operation, and condition of Project Assets
- Due annually by the fifteenth (15th) day of July

Closeout Report

- Submitted upon completion of Task 4
- Indicates continued plans for Project Assets, summarize challenges/successes

All forms/links will be available at www.nctcog.org/AQfunding/forms



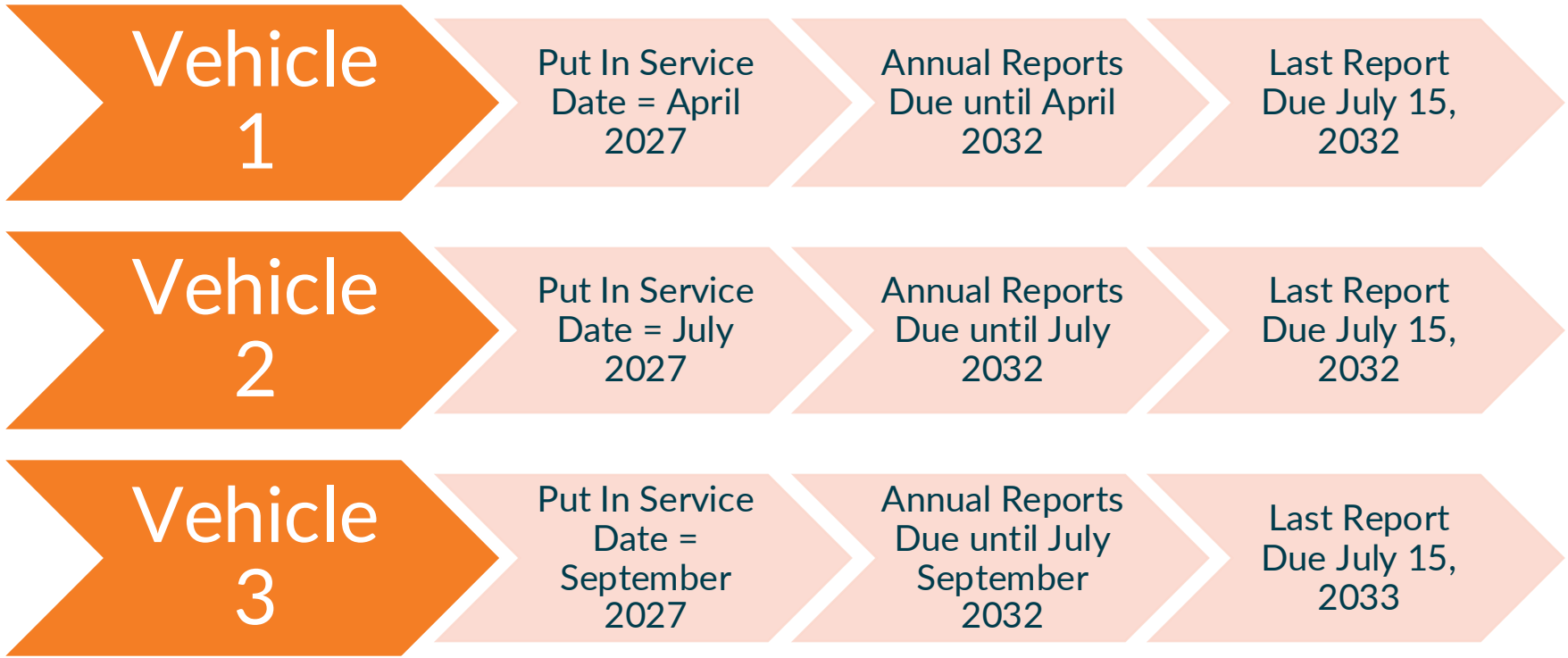
Project Schedule

Milestone	Date
Project Status Reports	Due Monthly by the 5th*, following the Execution of the Agreement until final Rebate Request is submitted
Task 1 Packet Deadline	October 29, 2027
Project Site Visit Deadline	November 30, 2027, or within 30 days of Task 1 Packet Approval, whichever is sooner
Rebate Request Packet Deadline	December 31, 2027
Project Completion Deadline (Includes All Activities)	December 31, 2027
Activity Life	Five (5) years Based on Date-in-Service of Project Asset
Annual Reports	Due Annually by the 15th* of July for five (5) years
Closeout Report	Upon Completion of Task 4

**If the 5th or 15th falls on a weekend, reports will be due the following Monday*



Task 5: Reporting - Example Schedule



Next Steps

Follow-up Correspondence and Requests

- Agreement and Scope of Work Templates for Review and Comments
 - Review Requested within 2 weeks of receiving Agreement
- Submit W-9
- Progress Reports Submission Starting Upon Execution of Agreement
- Consider Willingness to Participate in EPA Research Opportunities
 - NCTCOG will follow up



Contact Us

General Questions, Scope Tasks, Reporting:



Savana Nance
Principal Air Quality Planner
snance@nctcog.org | 682-433-0488



Juliana VandenBorn
Senior Air Quality Planner
jvandenborn@nctcog.org | 817-704-2545

Agreements:



Aurelia Witt
Senior Contract and Risk Specialist
awitt@nctcog.org | 817-695-9290



April Rhine
Contracts and Risk Specialist
arhine@nctcog.org | 817-695-9214

Rebate Requests:



Gence Johnson
Senior Grants and Contracts Coordinator
gjohnson@nctcog.org | 817-704-5640



Gabrielle Hoskins
Grants and Contracts Coordinator
ghoskins@nctcog.org | 817-695-9220

