



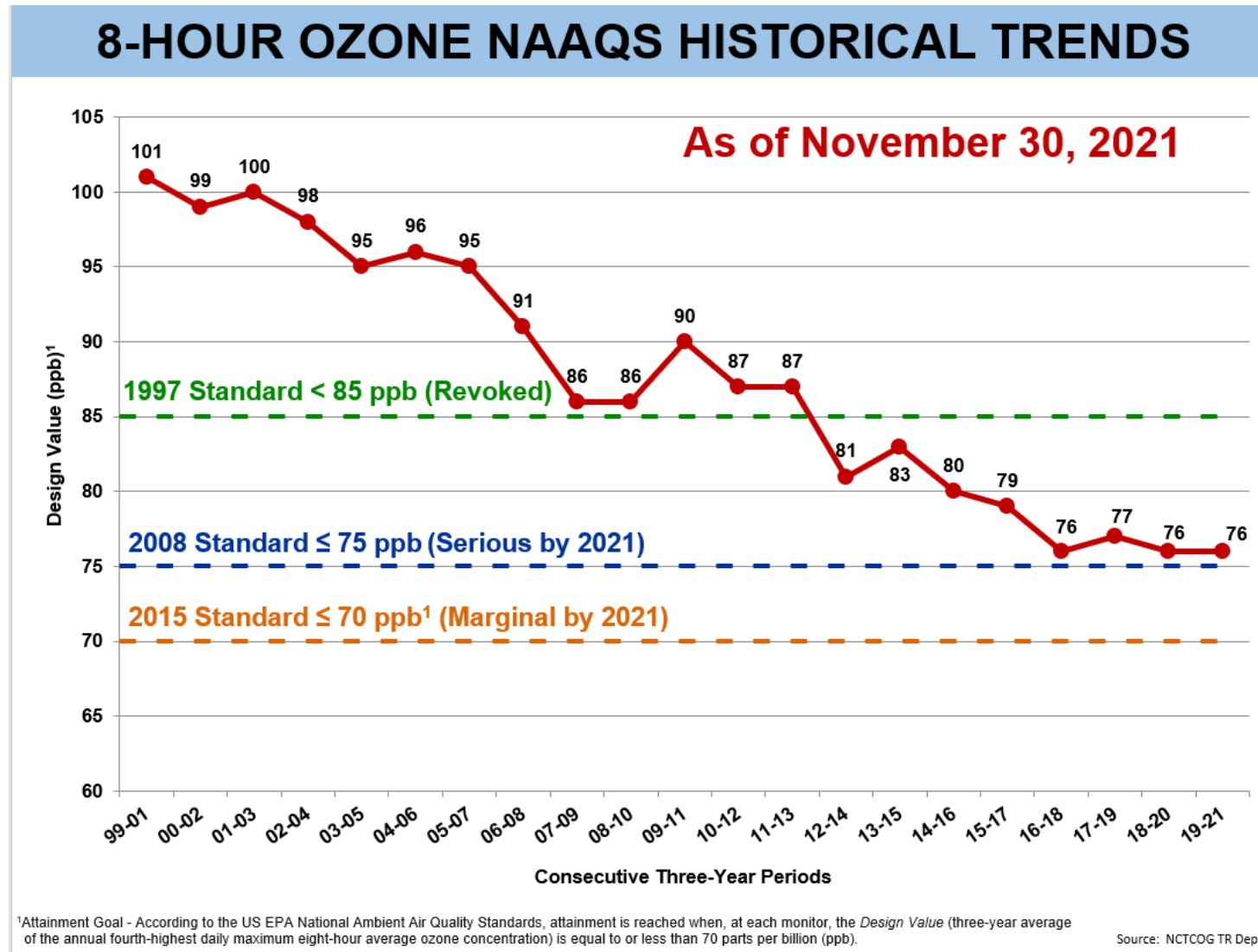
NCTCOG PRESENTATION

Electric Vehicle Charging Station Call for Projects

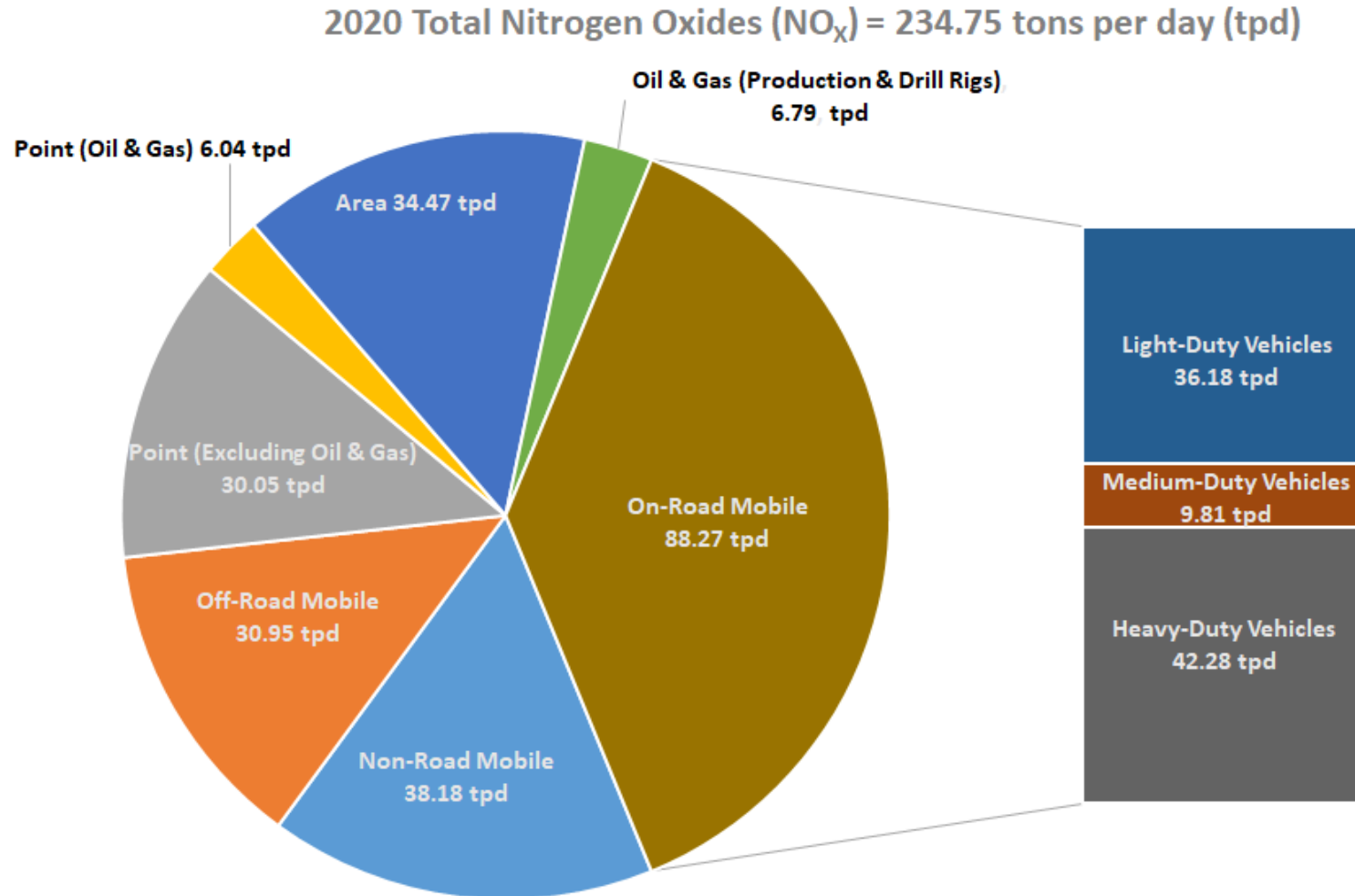
Bailey Muller, Jared Wright, Amy Hodges,
Emily Beckham

March 7, 2022

North Central Texas Air Quality



North Central Texas Air Quality

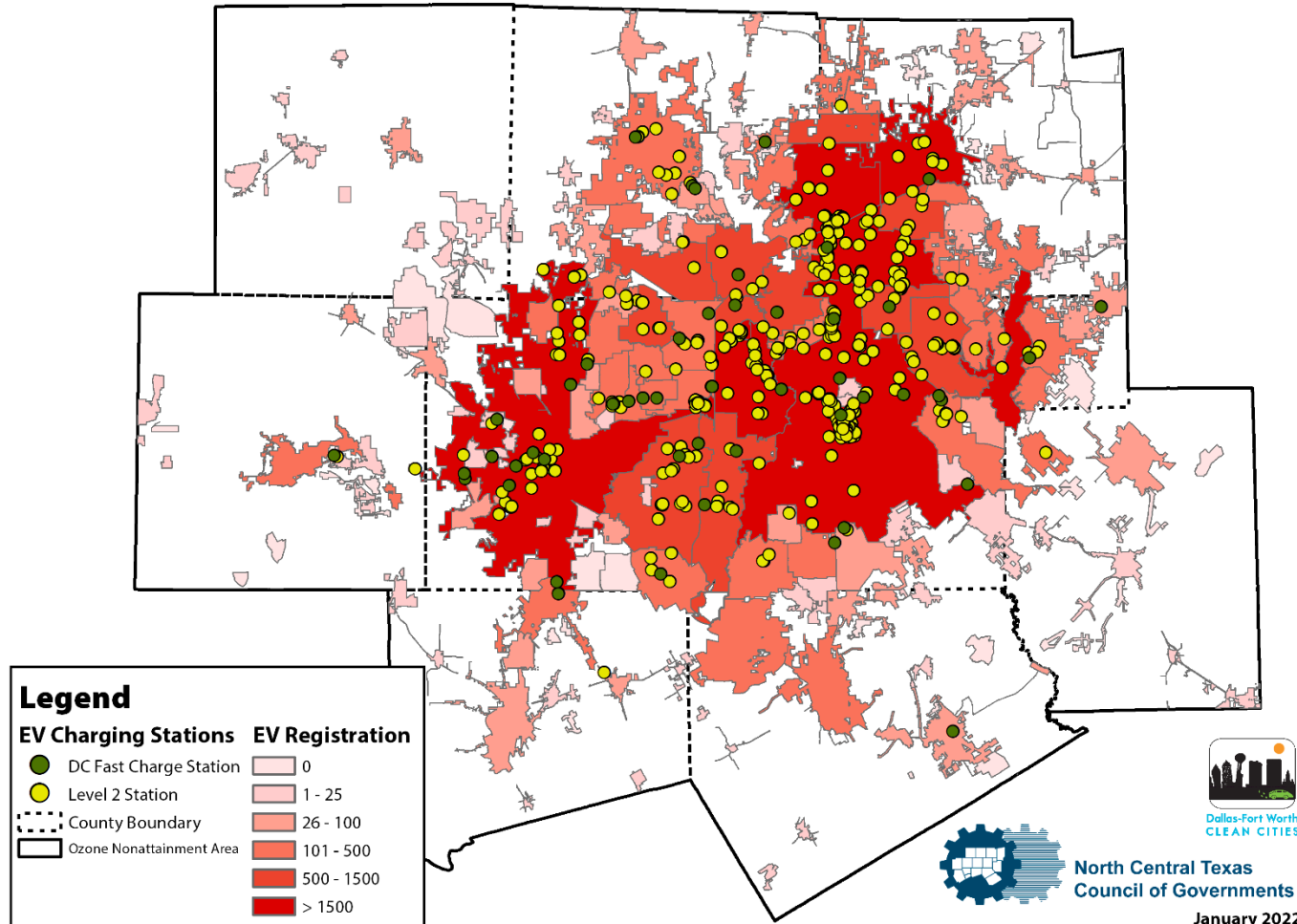


Source: TCEQ, DFW 2008 8-Hour Ozone Serious Classification Attainment Demonstration State Implementation Plan Revision



Regional Needs

EV Registration and EVSE in Ozone Nonattainment Area



Filling Infrastructure Gaps

Enabling Fleet Electrification

57% of Surveyed Fleets Want to Electrify

In 2020, 63 Electric Vehicles Across 13 Fleets



Electric Vehicle Charging Station Call for Projects

Call for Projects Overview

Funding:

Up to \$1 Million Congestion Mitigation and Air Quality Improvement Program Funds

Structure:

2 Application Windows

Round 1: Applications Due April 22, 2022

Round 2: Applications Due May 20, 2022

Competitive Evaluation of Projects within Each Round



Applicant Eligibility

Public Sector Entities

Local Governments, Transit Agencies, School Districts, Public College or University Campuses, etc.

Must Have Completed an Online Risk Assessment

Begin on the Program Webpage: www.nctcog.org/evcscfp

Must Have Adopted the Regional Transportation Council Clean Fleet Policy or Similar Prior to Application Submittal

Clean Fleet Policy Guidance and Templates: www.nctcog.org/fleetpolicy



Project Eligibility

100% Funding for Level 2 and Direct Current Fast Charge (DCFC) Station
Eligible Costs

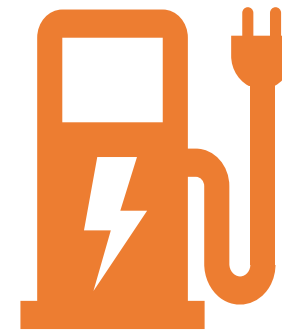
All Eligible Costs Must Comply with Federal Procurement Requirements

Eligible Costs:

Design, Engineering, Purchase, Installation, and Construction Costs

Ineligible Costs:

Maintenance and Operation Costs



Key Requirements (Guidelines Page 6)

Accessible and Available to the Public at No Cost

Located in the 10-County Ozone Nonattainment Area

Collin, Dallas, Denton, Ellis, Johnson, Kaufman, Parker, Rockwall, Tarrant, and Wise

Located on Applicant-Owned Property and Owned by the Applicant Entity

Co-Located with Existing Parking/Development

Meet Federal Highway Administration Buy America Requirements

Be Compliant with Americans with Disabilities Act (ADA)

Be Complete and Operational by July 31, 2023



Key Requirements (Guidelines Page 6)

Level 2

Offer Society of Automotive Engineers (SAE) J1772 Connector

Be Rated at a Minimum of 7.2kW

Direct Current Fast Chargers (DCFC)

Offer at Least One Charge de Move (CHAdeMO) Connector and One SAE Combined Charging System (SAE CCS) Charging Protocol Connector

Be Rated at a Minimum of 50kW



Recommendations (Guidelines Page 6)

Stations are Strongly Encouraged, but not Required to:

As Appropriate, Connect to a Network and Use Open Charge Point Interface (OCPI) Protocol

Meet or Exceed Energy Star Standards for EV Charging Stations

Incorporate Features that Help Minimize Grid Impacts



Requirement: Comply with Federal Procurement Processes

NCTCOG Must Approve of Planned Procurement Process Prior to Placement of Purchase Orders

Use of Federally Compliant Purchasing Cooperatives Recommended

Points May be Awarded for Submittal of Cooperative Purchasing Contract with Application

Purchasing Cooperatives that Offer Electric Vehicle Charging Stations:

1. [Sourcewell \(available through Texas SHARE\)](#)

Easily Browse Available Infrastructure Through [Climate Mayors Electric Vehicle Purchasing Collaborative](#)

2. [HGACBuy](#)

3. [BuyBoard](#)

If Other Procedures (Small Purchase Procedures or Competitive Procurement) Needed, Coordinate with **Emily Beckham** at ebeckham@nctcog.org.

Disadvantaged Business Enterprise Participation Goal: 7.70 Percent



Requirement: Comply with FHWA Buy America Standards

100% of Iron, Steel, and Protective Coatings Must be Domestic Origin and Manufactured in the United States

Certification to be Completed by Charging Station Manufacturer

Buy America Compliance Resources:

There may be other Buy America compliant vendors that are not represented on these resources, and these are not intended to represent a comprehensive universe of available providers. These are provided as a starting point/informative reference for potential applicants.

1. [ICF-Provided List of Charging Station Vendors with Some Assessment of Potential Buy America Compliance](#)
2. [NCTCOG input on the US DOT and US DOE Buy America Request for Information](#)
3. [Buy America Certification Form](#)
4. **Questions? Contact Emily Beckham at ebeckham@nctcog.org**



Requirement: NEPA Clearance

National Environmental Policy Act Requirements Must be Observed

Installation Should Not Result in Significant Environmental Impacts, but an Environmental Review Must be Completed

Questions in Application Will Help NCTCOG Staff Prepare for NEPA Review

Right-of-Way Acquisition, Required Permits, Construction Details,
Proximity to Flood Plain or a Historic Property

NCTCOG Will Coordinate with Applicants to Complete Process after Award



Requirement: Utility Correspondence

Utility has Completed Initial Review of Projects and Deems it Feasible to be Completed by July 31, 2023

Should Either be on Utility Letterhead or Email Directly From the Utility

Utility will Need to Know:

- Address

- Approximate Number of Chargers

- Type of Chargers (Level 2 or DC Fast Charge)



Project Implementation Schedule

Milestone (Some May Happen Concurrently)	Responsible Party & Target Date
Transmit Agreements for Execution	NCTCOG
Execute Agreements	Applicants and NCTCOG
Submit Procurement Documentation for Approval	Applicants
Review Procurement Documentation and Recommend Changes if Needed	NCTCOG
Approve Procurement Process	NCTCOG
Conduct Federally Compliant Procurement	Applicant
Submit Buy America Documentation	Applicant or Awarded Vendor
Evaluate Vendor for Buy America Compliance	NCTCOG
Submit NEPA Documentation for Review	Applicant and NCTCOG
NEPA Review and Approval	TxDOT Dallas District
Coordinate with Utility	Applicant
Purchase, Construction, and Installation	Applicant
Submit Reimbursement	Applicant
Approve Reimbursement	NCTCOG



A background image showing a red car parked at a Blink electric vehicle charging station. The car is connected to the station by a charging cable. The scene is outdoors, with a building and some greenery visible in the background. The text 'Application Process' is overlaid in the center of the image.

Application Process

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

Hot Topics

- 2 • **Electric Vehicle Charging Station Call for Projects NEW!**

How to Apply:

1. Fill out the **Intent to Submit Form** (optional)
2. Review the **Guidelines [PDF]**
3. Review the Frequently Asked Questions [PDF] (coming soon)
4. **Submit an Online Risk Assessment** (Note: You cannot start and stop this survey; once started, the entire survey must be completed in one sitting. Staff recommends using **this copy of the survey [PDF]** to gather all necessary information prior to starting online entry via the live survey.)
 - The North Central Texas Council of Governments may already have a current risk assessment on file for your public entity. Please contact Nancy Luong at 817-704-5697 or nluong@nctcog.org to verify.
5. Download and complete the **Application [PDF]**



Application Checklist

Step 1: Review [Guidelines](#)

Step 2: Review FAQs

Step 3: Submit an [Online Intent to Submit Form](#) (Optional)

Step 4: [Submit an Online Risk Assessment](#)

Step 5: Adopt the [Clean Fleet Policy](#) Prior to Submitting Application

Step 6: Submit Completed Application (Including Part 1, Part 2, Part 3, and Part 4), Including All Required Attachments and Any Recommended Attachments



Application Attachments (Guidelines Page 12)

Required Attachments

Budget Form (Guidelines, Appendix B)

Correspondence from Utility (Guidelines, pg 10)

Photos of Each Proposed Site in the Application

Signed Copy of Clean Fleet Policy (Guidelines, pg 3)

Recommended Attachments

Documentation Supporting Budget Estimate (Guidelines, pg 8)

Cooperative Purchasing Contract(s), if Applicable (Guidelines, pg 14)*

Buy America Certification Form (Guidelines, pg 7 and Appendix A)*

**Inclusion of these documents may result in a higher score in the "Subrecipient Oversight" category if NCTCOG can confirm Procurement and Buy America compliance as part of the application review process*



Application Submittal (Guidelines Page 11)

Applicants are Strongly Encouraged to:



In Addition to the In-Hand Submittal, an Electronic Submission of the Application and All Needed Attachments May be Sent to aggrants@nctcog.org Prior to Submittal to Allow Staff to Review for Completeness and Provide Commentary

Submit Application in Advance of Deadline to Review for Completeness

Submit an In-Hand Application and All Needed Attachments by 5 p.m. On the Deadline Date



The Deadline for Round 1 Applications is Friday, April 22, 2022

If Funds Remain After Round 1, Round 2 Applications will be Accepted Beginning April 25, 2022, with a Deadline of Friday, May 20, 2022

Applications Received After that Time will not be Considered

Submittal May Consist of Either a Hard-Copy Proposal or a Flash Drive Delivered by the Deadline



Selection Criteria (Guidelines Page 12)

Advancing Electrification – Up to 75 Points

Fill Gaps in Existing Infrastructure Network and/or Enable New Fleet Electrification

Located in a Jurisdiction with No Existing Charging Stations

Serves a Public Fleet with No Existing EVs

Number and Type of Fleet Vehicles Expected to Use Charging Stations

Ability to Charge Multiple EVs at One Time or Multiple Locations in One Application

Applicant Identifies Broader, Long-Range Plan to Electrify

Serve Communities Prioritized by the Justice 40 Initiative

Include Strategies to Minimize Grid Impacts

Features Such as Managed Charging, Integrated Storage, etc.

Chargers with Vehicle to Grid Capabilities

Subrecipient Oversight Criteria – Up to 25 Points

The Projects will be Compared to NCTCOG's Burden to Administer the Project

Ease of Federal Procurement Determination

Cooperative Procurement Contracts and Buy America Forms with Application

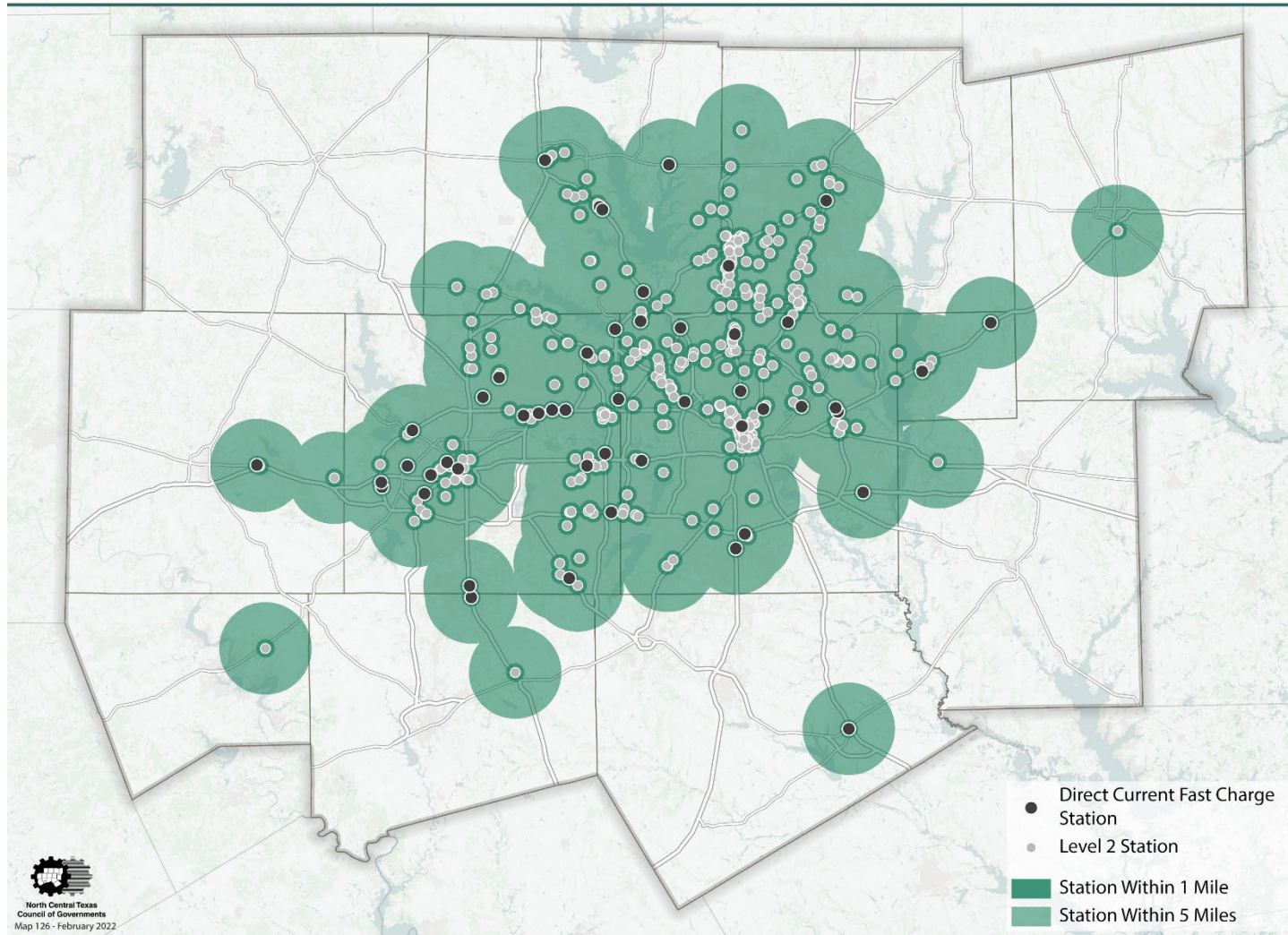
Risk Associated with Subrecipient Administration



Advancing Electrification – Fill Gaps



EV Charging Station Gap Analysis



North Central Texas
Council of Governments
Map 126 - February 2022

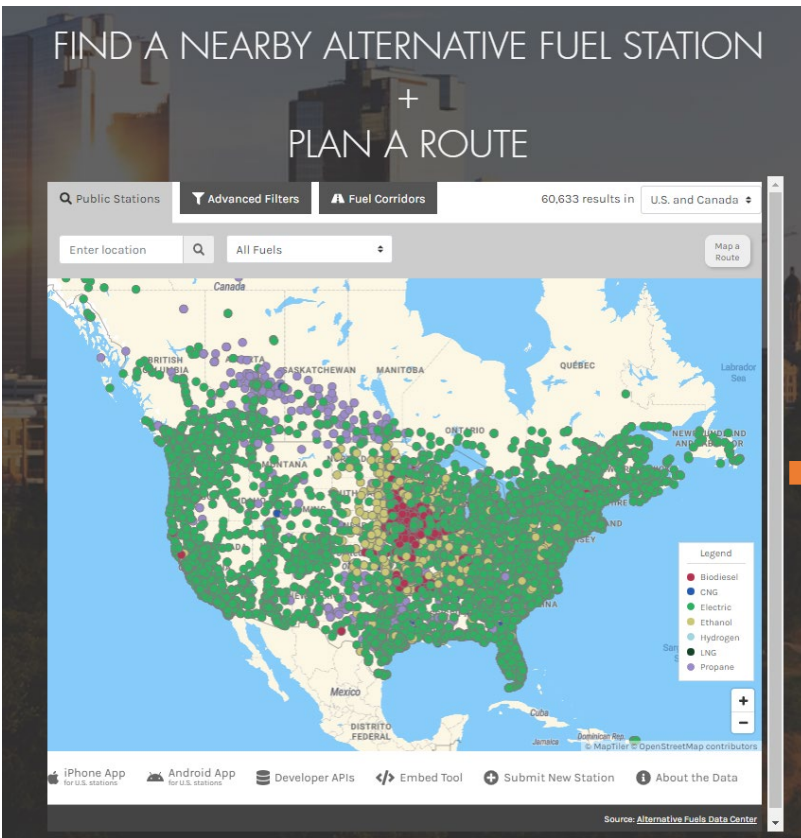
Example Sites for Public Sector Consideration:

- Parks
- Libraries
- Community Centers
- Stadiums
- Entertainment Areas

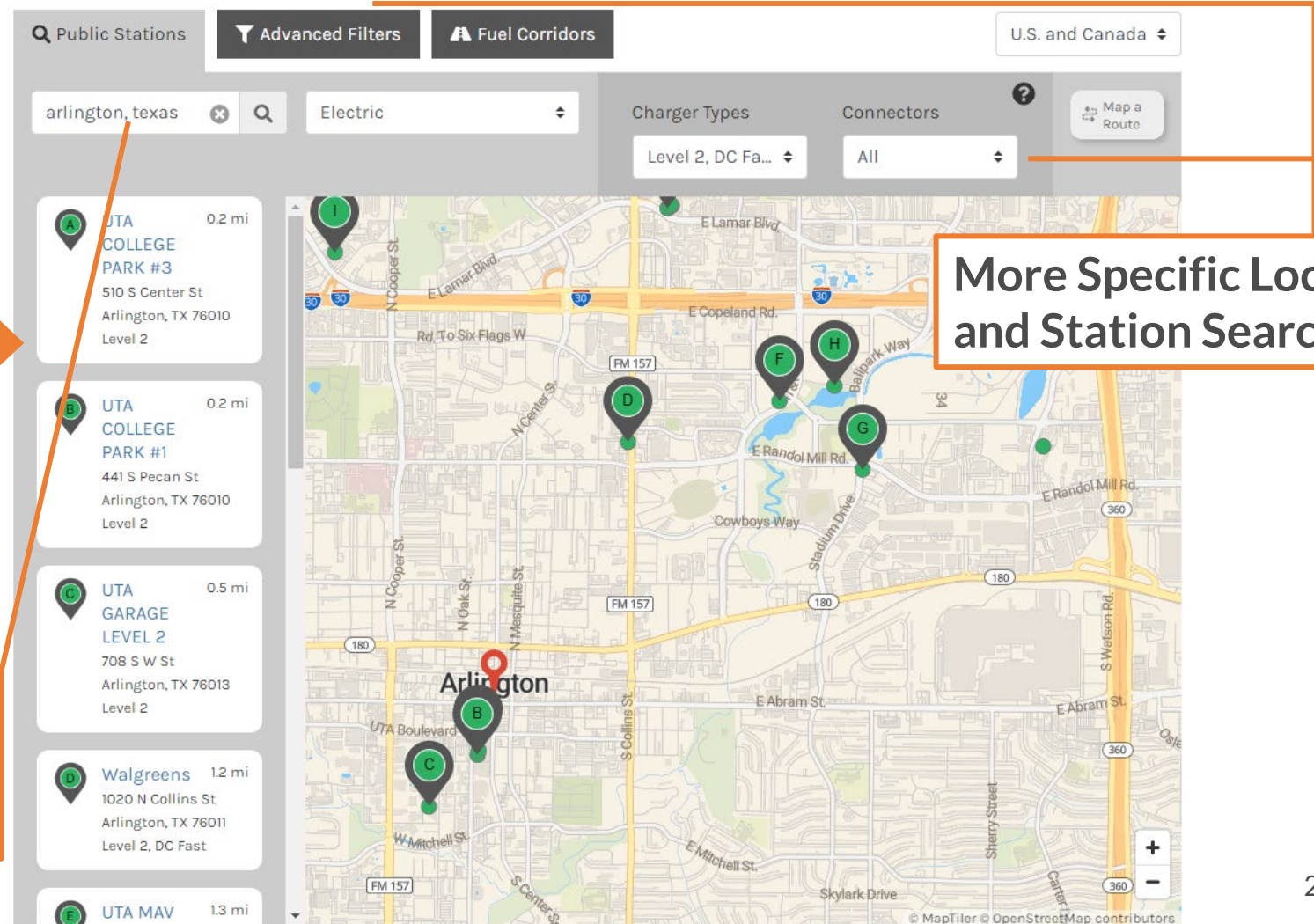


Advancing Electrification – Fill Gaps

<https://www.dfwcleancities.org/resources> - scroll to bottom of page



Basic Search by
Location, Charger,
and Connector Type



More Specific Location
and Station Search

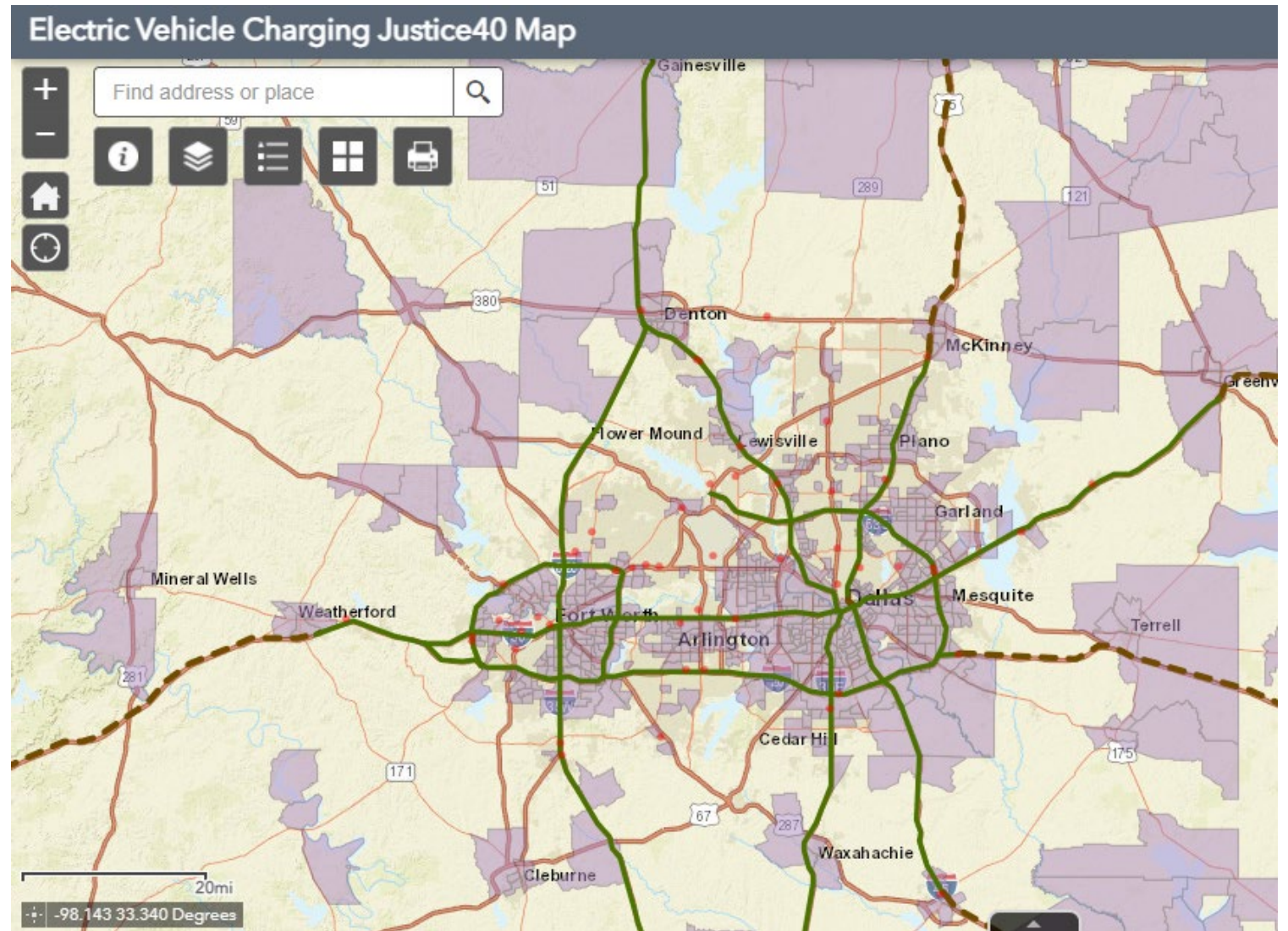


Application Process

Advancing Electrification – Justice40

Electric Vehicle Charging Justice40 Map Tool

Uses Interim Definition of Justice40 Communities
Jointly Developed by US Department of Transportation and US Department of Energy



A photograph of a red car parked at a Blink electric vehicle charging station. The car is on the right side of the frame, and the charging station is on the left. A charging cable is connected to the car. The background shows a building with large windows and some greenery. The text "Grant Administration" is overlaid in the center of the image in a dark blue, serif font.

Grant Administration

Reimbursement

Reimbursement Will Not be Made for Costs Incurred Prior to Execution of Agreement with NCTCOG

All Eligible Expenses Must be Paid in Full in Order to be Reimbursed

Submit Request for Reimbursement Packet

Reimbursement Issued Within 45 Days of Receipt of Complete Reimbursement Request



Reporting

Monthly Progress Report Until Reimbursement

Ongoing Annual Reporting on Usage and Property Management

Until Federal Interest is Exhausted; Typically, when Fair Market Value Falls Below \$5,000



Security Interest

Recipients May be Required to Grant NCTCOG a Security Interest in Any Grant-Funded Equipment

NCTCOG Shall Relinquish Such Security when Federal Interest is Exhausted; Typically, when Fair Market Value Falls Below \$5,000



Property Management

2 CFR 200.313

Must Use in Project as Long as Needed

Replacement is Possible – Contact NCTCOG

If No Longer Needed:

Obtain NCTCOG Approval to Dispose

Return if Needed by NCTCOG (Not Likely)

If Not Needed by NCTCOG and Fair Market Value (FMV)

<\$5,000: Sell or Dispose with No Further Obligation

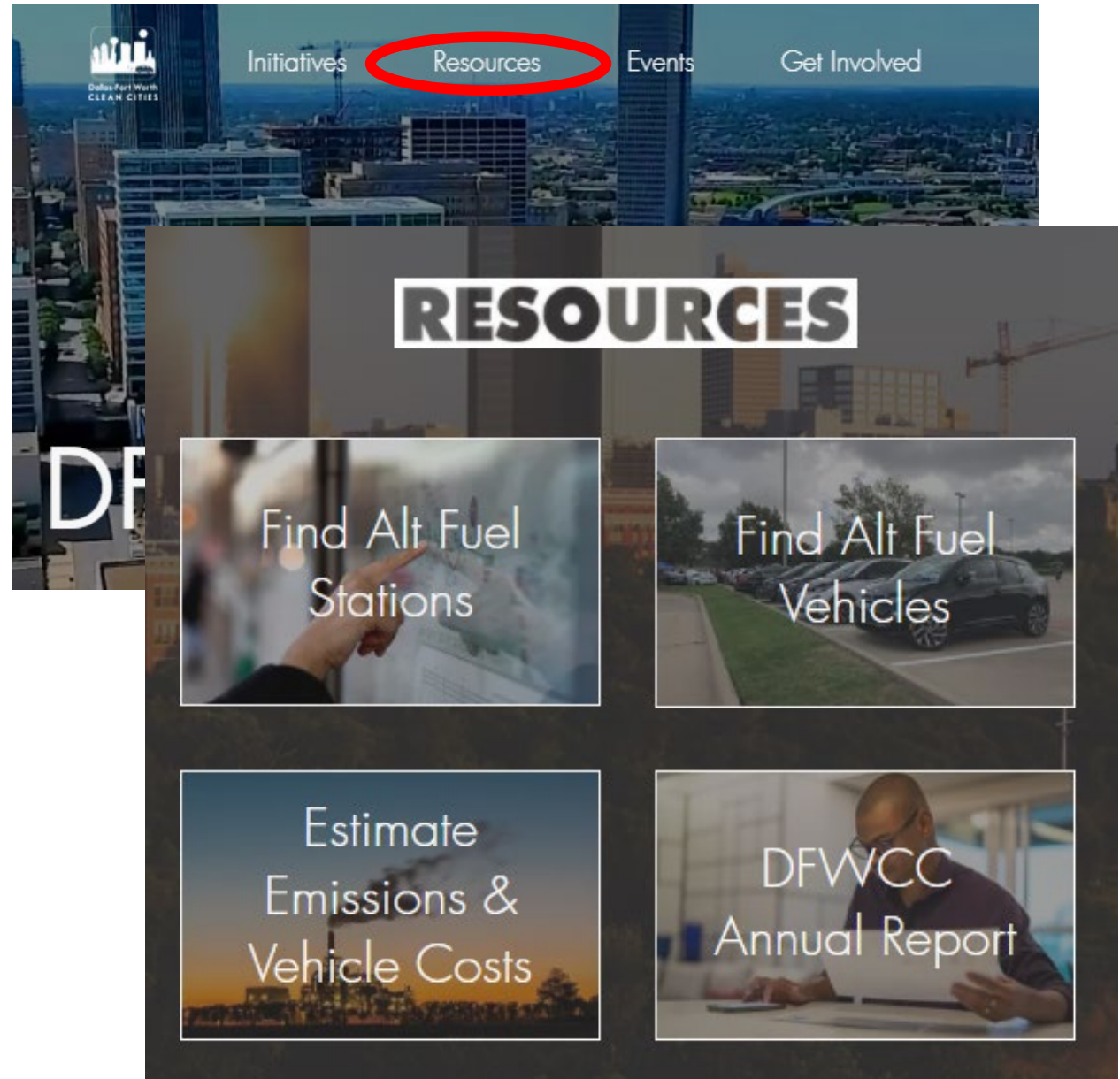
>\$5,000: Return a Portion (Federal Share x FMV)

Notify NCTCOG of Any Changes Regarding Grant-Funded Equipment



Tools and Resources

DFWCC – dfwcleancities.org



Tools and Resources

Alternative Fuels Data Center - afdc.energy.gov

Learn About
Electric
Vehicles



Fuels & Vehicles

Biodiesel Electricity Ethanol Hydrogen Natural Gas Propane

Information by State

select a state

Information by Fleet Application

Delivery Services Refuse Collection
Public Transit School Transportation

Maps & Data

- U.S. Alternative Fueling Stations by Fuel Type
- U.S. Hybrid Electric Vehicle Sales by Model
- Light-Duty Alternative Fuel Vehicle Registrations

Tools

- Laws & Incentives
- Electricity Sources & Emissions
- Vehicle Cost Calculator
- Vehicle Search

Station Locator

Download iPhone app or Android app

Ready for Electric Vehicles?

Estimate how much electric vehicle charging your city or state might need.

The Information Source for Alternative Fuels and Advanced Vehicles

The Alternative Fuels Data Center (AFDC) provides information, data, and tools to help fleets and other transportation decision makers find ways to reach their energy and economic goals through the use of alternative and renewable fuels, advanced vehicles, and other fuel-saving measures.



Find Electric
Vehicles



Find Charging
Stations



Tools and Resources

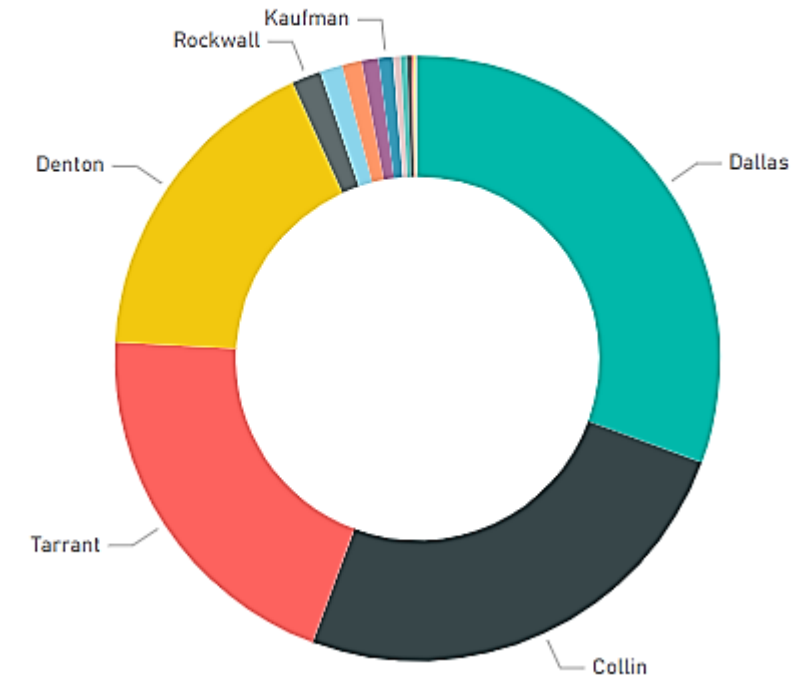
EV Infrastructure Need and Forecast Tools:

1. [Electric Vehicle Infrastructure Projection Tool \(EVI-Pro\) Lite](#)
2. [E-DRIVE: Evaluation & Development of Regional Infrastructure for Vehicle Electrification](#)
3. [National Renewable Energy Lab's National Plug-Electric Vehicle Infrastructure Analysis Report](#)

EV Registration Data through Electric Vehicle North Texas (EVNT)

1. [North Texas EV Registration Tool](#)
2. [Statewide EV Registration Tool](#)

ELECTRIC VEHICLES BY COUNTY



Schedule

Milestone	Target Date
Round 1 Application Deadline	Friday, April 22, 2022 (7 Weeks)
Round 2 Application Deadline (if Funds Remain)	Friday, May 20, 2022 (11 Weeks)
STTC Recommendation of Awards	Round 1: May 27, 2022 Round 2 (if Applicable): June 24, 2022
RTC Recommendation of Awards	Round 1: June 9, 2022 Round 2 (if Applicable): July 14, 2022
Executive Board Authorization of Awards	Round 1: June 23, 2022 Round 2 (if Applicable): July 28, 2022
Project Completion/Reimbursement Deadline	July 31, 2023



The background of the slide is a faded photograph of a red electric vehicle parked at a Blink charging station. The car is on the right side of the frame, and the charging station is on the left. The overall image has a light, semi-transparent overlay.

Questions



Contact Us



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