

Resource Conservation Council Meeting

November 07, 2024

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Welcome and Introductions

Notification of Conflicts of Interest.

Howard Redfearn, Vice-Chair of the Resource Conservation Council (RCC), will request RCC representatives with a potential conflict of interest relating to an agenda item to notify the RCC.

Action Items

Meeting Summary. The [August 27, 2024 Meeting Summary](#) will be presented for approval.

Action Items

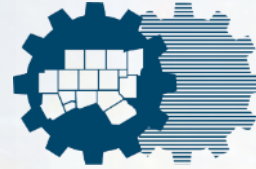
Conformance Review: Strategic Materials, Inc.

The Facility Conformance Subcommittee will present their conformance recommendation for RCC approval.

Presentation

Funding for Alternative Fuel & Electric Vehicles

Savana Nance, NCTCOG Transportation, will share information about potential funding sources for municipalities and private fleets for alternative fuel and electric vehicles.



Dallas-Fort Worth
CLEAN CITIES

Resource Conservation Council Meeting

Savana Nance

Principal Air Quality Planner

11.07.2024

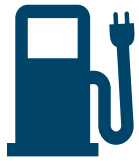
Dallas-Fort Worth Clean Cities

Improve air quality by promoting cleaner, reliable, accessible, equitable, and sustainable transportation technologies



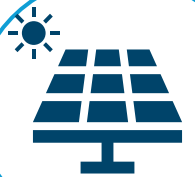
Clean Vehicle Initiatives

- Support Transition to Alternative fuel Vehicles through Education and Technical Assistance
- Assist Deployment of Clean Vehicle Technologies by Identifying, Promoting, and Providing Funding



Alternative Fuel Infrastructure Initiatives

- Build and Support EV Charging Infrastructure Installations that Fill Gaps or Increase Equitable Access
- Support Increased Reliability and Resiliency of EV Charging Infrastructure
- Build and Plan Publicly-Accessible Infrastructure Network to Support ZEV Transition in Medium- and Heavy-Duty Sector



Energy Integration & Community Readiness

- Educate Local Governments on How to Support Local Adoption of Clean Transportation Technologies
- Limit Negative Electric Grid Impacts Associated with Transportation Electrification and Conserve Energy to Offset Increased Load
- Increase Local Adoption, Safety, and Resilience of Renewable Fuels (electricity, natural gas, hydrogen, biodiesel)

Funding – Texas Emissions Reduction Plan (TERP)

Go to www.tceq.texas.gov/airquality/terp/programs for a full list of programs

Light-Duty Motor Vehicle Purchase or Lease Incentive Program - Expected to open Spring 2026

Emissions Reduction Incentive Grants (ERIG) – Expected Fall 2026

Alternative Fueling Facilities Program (AFFP) - Expected to open Spring 2026

Texas Clean School Bus Program (TCSB) – Expected to open Spring 2026

Seaport and Rail Yard Areas Emissions Reduction Program (SPRY) – Open through March 4, 2025

New Technology Implementation Grant (NTIG) – Open Now- Closes January 7, 2025

Texas Natural Gas Vehicle Grant Program (TNGVGP) - Open through March 4, 2025

Governmental Alternative Fuel Fleet Grant Program (GAFF) - Expected to open December 2024

Funds the replacement of medium-duty or heavy-duty on-road vehicles with natural gas versions

Funds the replacement of Class 1-8 vehicles with alternative fuel versions

Texas Clean Fleet Program (TCFP) - Expected to open January 2025

Rebate Grants - Expected to open Summer 2026

Funds the replacement of diesel vehicles with alternative fuel or electric

Funds medium- and heavy-duty non-road and on-road equipment



Texas Volkswagen Environmental Mitigation Program – All-Electric Grant Round

~\$79M of \$86M requested: tceq.texas.gov/agency/trust/all-electric

Purchase New Battery or Fuel Cell Electric Vehicle/Equipment to Replace or Repower Existing Diesel	Funding Threshold
<p>Class 4-8 Local Freight or Port Drayage Trucks GVWR 14,001 Pounds and Up Used to Transport Freight, Cargo, or Refuse Model Year 1992-2009</p>	<p>For Government Entities: <u>Up to 100% of Incremental Cost</u></p> <p>For Non-Government Entities: <u>Up to 75% of Incremental Cost</u></p> <p>“Incremental Cost” = the eligible cost of the project less default scrap value* and any other financial incentives, tax credits, etc.</p>
<p>Class 4-8 School, Shuttle, or Transit Buses GVWR 14,001 Pounds and Up Used to Transport Passengers within a City or Defined Region Model Year 2009 or Older</p>	
<p>Airport Ground Support Equipment Tier 0, Tier 1, or Tier 2 Diesel Equipment 25 HP and Up Used to Service Aircraft Between Flights</p>	
<p>Forklifts and Port Cargo Handling Equipment Tier 0, Tier 1, or Tier 2 Diesel Engines Must have Greater than 9,000 Pounds Lift Capacity</p>	



*All old vehicles/engines/equipment must be scrapped; default scrap value = \$1000 for replaced vehicles/equipment and \$250 for replaced engines

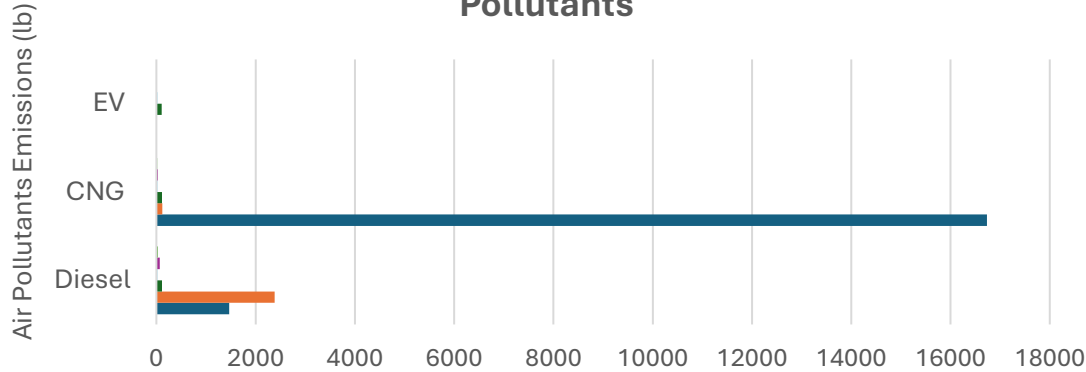
Other Vehicle Funding

Program/Incentive	Eligible Activities	Funding Amount	Key Dates
Commercial Electric Vehicle (EV) and Fuel Cell Electric Vehicle (FCEV) Tax Credit	New all-electric, plug-in hybrid vehicle, or fuel-cell electric vehicle – Available to tax-exempt entities through the new DIRECT PAY option	Up to \$7,500 <14,000 lbs GVWR Up to \$40,000 for >14,000 lbs GVWR	No deadline
Clean Heavy-Duty Vehicles (CHDV) Grant Program	Replace existing Class 6 and 7 heavy-duty vehicles with zero-emission vehicles, includes funding for infrastructure and workforce development	Battery-electric vehicle: 33% to 75% of new vehicle Hydrogen-fuel cell vehicle: 60% to 80% of new vehicle	N/A; NCTCOG applied for \$60 million and will know if awarded in January 2025
North Texas Diesel Emissions Reduction Project (funded through Environmental Protection Agency's (EPA) Diesel Emissions Reduction Act)	Replace on-road diesel vehicles with a GVWR of over 16,001 Replace non-road diesel equipment and drayage with GVWR of over 33,001 lbs Replace diesel transport refrigeration unit with all-electric Install EPA verified idle reduction technologies	Up to 45% for zero-emission vehicle Up to 35% for CARB Low NO _x Vehicle Up to 25% for all other fuels	Tentative Opening Date for NCTCOG Call for Projects is December 16, 2024



Why Transition: Refuse Trucks

Refuse Truck Lifetime Vehicle Operation Air Pollutants



	Diesel	CNG	EV
SOx	32	18	0
VOC	67	32	0
PM2.5	19	19	15
PM10	112	112	106
NOx	2382	119	0
CO	1468	16737	0

Local Efforts:

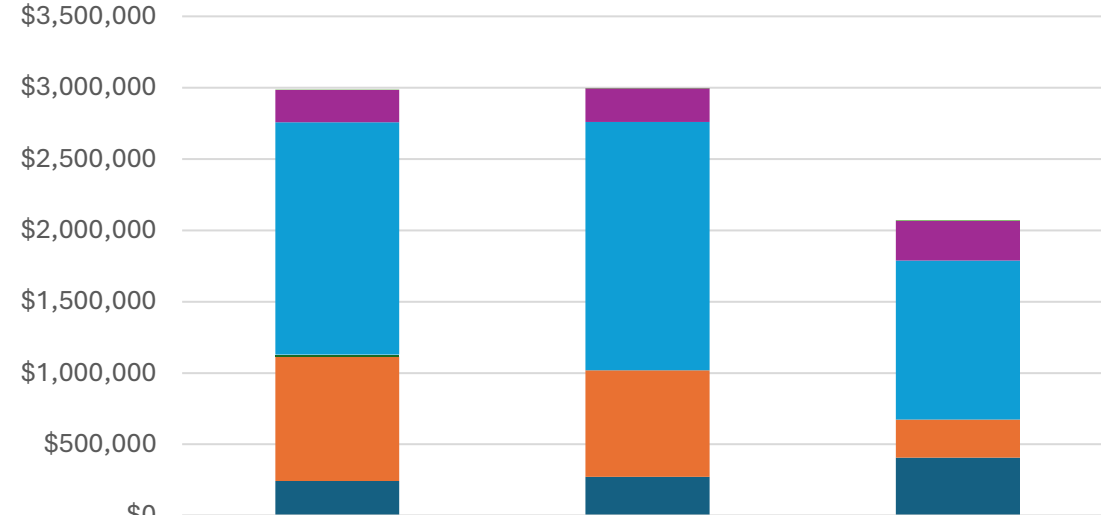
Fleet: City of Dallas, City of Denton, City of Irving, and Waste Management

Number of Compressed Natural Gas Refuse Trucks: 75

2023 gasoline gallons equivalent (GGE) reduced: 547,464*

2023 tons of greenhouse gas (GHG) reduced: 465,345*

Total Cost of Ownership- Refuse Truck



	Diesel	CNG	EV
License and Registration	\$2,377	\$2,377	\$2,377
Insurance	\$226,772	\$235,775	\$278,215
Maintenance and Repair	\$1,628,005	\$1,741,399	\$1,115,191
Diesel Exhaust Fluid	\$12,249	\$-	\$-
Fuel	\$872,476	\$746,274	\$267,839
Depreciation	\$243,908	\$272,364	\$406,513

Local Efforts:

City of Plano recently adopted the first all-electric refuse truck in Texas

*Based on self-reported fleet data from the [DFW Clean Cities Annual Report](#)

**Based on defaults from [AFLEET](#)



Upcoming Medium-/Heavy-Duty Zero-Emission Infrastructure Investments

Planning:

National Zero-Emission Freight Corridor Strategy

The Texas Triangle is included as a priority hub in phase 1 of the strategy developed by the Joint Office of Energy and Transportation to advance zero-emission medium-/heavy-duty (MHD) infrastructure nationwide

Rider 48 Evaluation of Medium-Duty and Heavy-Duty Vehicle Charging Infrastructure and Capacity

TxDOT has published a report assessing MHD charging infrastructure development and potential opportunities to collaborate and expand infrastructure

Construction:

NCTCOG Charging and Fueling Infrastructure (CFI) Corridor Award

\$70 million to construct up to 5 MHD publicly accessible hydrogen refueling stations across the Texas Triangle

TxDOT Texas EV Infrastructure Plan

~\$60 million for NCTCOG Metropolitan Planning Area (MPA), includes publicly accessible MHD, DCFC, and Level 2 charging infrastructure

Interested in hydrogen refuse trucks? Check out the Clean Vehicle Vendor Expo presentation at www.dfwcleancities.org/events

Get Involved with DFWCC

Upcoming webinars and events posted regularly at dfwcleancities.org/events

- Lunch and Learn Webinar: Federal Tax Credits for Alternative Fuels and Clean Vehicles: November 13 from 12:00pm to 1:00pm
- [Resilient EV Charging and Minimizing Grid Impact Webinar](#), December 4 from 10:00am to 11:00am

Follow our LinkedIn at www.linkedin.com/showcase/dfwcleancities

Sign up for our weekly email list
(including funding opportunities)
or become a stakeholder
dfwcleancities.org/getinvolved



dfwcleancities.org



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Materials Management Highlight

Attendees of SWANA's WasteCon will provide a brief recap and takeaways from the conference.

Discussion

NCTCOG will present a status update on preparations for the upcoming FY2026/2027 biennium and request feedback on potential future regional projects and priority topics.

FY2026/2027 Biennium

Event	Anticipated Timeline
Solid Waste Grant Showcase	January 2025
RCC Meeting – Approve Call for Projects (CFP) Criteria	March 11, 2025
CFP Opens	Tuesday, April 01, 2025
Grant Application Webinar & Technical Assistance Activities	TBD
CFP Closes	Wednesday, May 21, 2025
Scoring Sessions (Grant Selection) & Private Sector Review	July 2025
RCC Meeting – Approve Project Recommendations	August 12, 2025
NCTCOG Executive Board – Approve Project Recommendations	September 2025
Execute FY26 Interlocal Agreements	October/November 2025
Execute FY27 Interlocal Agreements	September 2026
Deadline for FY26 Project Completion	Friday, October 30, 2026
Deadline for FY27 Project Completion	Friday, April 30, 2027

FY26-27 Solid Waste Grant Showcase

Suggested panelists:

Category	Grant FY	Recipient
Local Enforcement	2022 – 2023	Collin County
Source Reduction and Recycling	2018 – 2019	City of Grand Prairie - ISD
	2022 – 2023	City of Denton - Organics
Household Hazardous Waste	2022 – 2023	City of Frisco
Litter and Illegal Dumping Cleanups	2022 – 2023	City of Rowlett
Citizen Collection Stations and “Small” Transfer Stations	-	-
Local SWM Plans	2020 – 2021	City of Euless
Technical Studies	2020 - 2021	City of Garland
Education and Training Projects	2020 – 2021	City of Plano

FY26-27 Guideline Changes

- 2 Applications per City, omitting departmental restrictions
- Addition of Standard Grant Application for a school recycling program
- Appendices additions:
 - ILA Blank Template
 - Redacted past successful applications
 - Office hours / Technical Assistance
 - Scoring change proposal for incentivize meeting with NCTCOG staff prior to submitting application(s)

Regional Project Discussion

**Large-Scale
Regional
Development:**
*Disaster Debris
Management Plan*

**Tire Collection
Events***

**CPRG Unapproved
Priorities**

**Regional DDMP
MSAs**

Discussion

NCTCOG Updates:

- [Trash Talks Webinar](#) – November 15, 2024
- FY2024-2025 Solid Waste Grants Update
- [NCT Reuse Marketplace](#) (Rheaply) Update
- [Solid Waste Administration & Solicitation Support Project](#) Update
- [SWIFR Grant](#) Update
- Report DFW Dumping Website Migration Update
- [Sponsored Tire Events](#) Update
- Dallas Fort Worth Air Quality Improvement Plan

Other Business

Future agenda items

Roundtable topics

Trash Talks: Recycling Wins in Texas and the U.S.

Friday, 11/15/24

1:00 p.m. - 2:00 p.m. CDT

Virtually via Microsoft Teams

Next Meeting Date:

Tuesday, March 11, 2025, at 10:00 AM.

Pitstick Conference Room, NCTCOG Offices
616 Six Flags Drive Arlington, TX 76011

Adjournment.

Resources

- ▶ Materials Management website: <https://www.nctcog.org/envir/materials-management>
- ▶ Solid Waste Grants: <https://www.nctcog.org/envir/materials-management/grants>
- ▶ Tire Collection Events: <https://www.nctcog.org/envir/Materials-Management/Regional-Tire-Task-Force>
- ▶ 2024 Holiday Grease Roundup: <https://www.nctcog.org/envir/committees/wastewater-and-treatment-education-roundtable>

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