

DFW Clean Cities Newsflash

Official Publication of the Dallas-Fort Worth Clean Cities Coalition

Winter 2020

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Get Recognized! Stakeholders and sponsors are invited to submit any updates/success stories/info about new projects or initiatives to be added to future Newsflashes upon review.

DFW Clean Cities is here for all your alternative fuel and technology needs. Reach out to us for any technical assistance or general inquiries at cleancities@nctcog.org.

Upcoming Events

Save the Date: Advanced Clean Transportation (ACT) Expo 2020

The 2020 Advanced Clean Transportation (ACT) Conference and Expo

will be **May 11-14, 2020** at the Long Beach Convention Center. Sign up today and learn about the future of commercial transportation, fuel efficiency improvement strategies and equipment, drivetrain electrification, renewable fuels and more! Over the four-day conference, attendees will sit-in on a series of workshops and technical sessions lead by industry experts. Featured agenda sessions include battery technology, electric vehicle (EV) charging, and connected technology workshops as well as panel and roundtable discussions!

For the full agenda visit the conference website [here](#) and [register](#) with early bird rates until January 31, 2020!

Save the Date: The 2020 Work Truck Show - March 3-6, 2020

Since 2001, The Work Truck Show® has showcased innovative technologies, new commercial vehicles and upfit solutions that have transformed the industry. Nearly three times larger today than two decades ago, the Show has evolved into an industry necessity for companies and attendees — becoming the place for the commercial vehicle community to discover new products and the latest industry trends. Anyone who works with vehicles, including public and private truck fleet operators, manufacturers, dealers and equipment distributors, can find solutions to their business challenges at the Show.

Work Truck Week 2020 is scheduled Tuesday, March 3 through Friday, March 6, 2020 at Indiana Convention Center (Indianapolis, Indiana).

[Register today!](#)



Know Before You Fly "Your Drone" Workshops

The Know Before You Fly "Your Drone" workshops are the first program developed by the North Central Texas Council of Governments (NCTCOG) as part of the North Texas Unmanned Aircraft Systems (UAS) Safety and Integration Task Force. The workshops are designed to

encourage the recreational and commercial UAS operators to utilize their UAS platforms safely within the nation's airspace. Workshops will educate current and potential commercial and recreational UAS operators including the general public, on the **FAA's Know Before You Fly** program and policies, safe places to fly, career opportunities and more!

To encourage attendance, 12 drone workshops will be held at locations throughout the Dallas-Fort Worth region. The workshops are open to the members of the public ages 16 and older.

For more information and to **RSVP** for the next workshop visit

<https://www.northtexasuas.com/>

Texas Natural Gas Vehicle Alliance Member Meeting

The Texas Natural Gas Vehicle Alliance (TNGVA) will hold their first meeting of the new year on February 13, 2020. Attendees will hear from Industry experts on the newest natural gas technologies available today! Learn about COOP Ryder: An Introduction of the New Way of Leasing Alternative Fuel Trucks.

The meeting will be from 11:00 am to 1:00 pm at NGV Global Group, 10733 Spangler Rd, Dallas, TX 75220. Learn more about TNGVA at <http://www.texasngvalliance.com/>. RSVP for the meeting [here](#).

Regional News

The 2019 DFW Clean Cities Fleet Recognition Awardees Announced!

On December 17, the DFW Clean Cities (DFWCC) held their Annual Meeting and Fleet Recognition Awards featuring presentations from industry leaders Ingevity and GPS Insight. Each year entities from across the region submit a DFWCC Annual Survey which is an opportunity to showcase the work fleets are doing to improve vehicle efficiency and alternative fuel use. Fleets are scored based upon the information provided in their annual survey and are eligible to achieve a Fleet Recognition Award. At this year's Annual Meeting, there were seven

bronze awardees, 11 silver awardees and for the first time, three gold awardees. Our 2019 DFW Clean Cities Annual Survey will be rolling out in January 2020 and will be due on February 21, 2020. For more information on the DFW Clean Cities Annual Survey and Fleet Recognition Awards visit our [website](#)!

2019 Annual Fleet Survey - Due February 21, 2020

The Annual Fleet Survey is BACK! Fleets are recognized by filling out our annual fleet survey showcasing your fleet accomplishments over the year.

Your fleet information is critical in helping DFW Clean Cities reach our regional transportation energy reduction goal by beating last year's reduction of 23.2 million gasoline gallons equivalents and help get North Texas recognized on a national level!

[Download the 2019 Fleet Survey Here](#)

Don't forget to complete all tabs on the spreadsheet. If you would like your survey from last year sent to you for reference, let us know. **COMPLETED SURVEYS DUE 2/21.**

(PSST! Don't forget that fleet recognition also requires you to be a Clean Fleet Policy Adoptee. If you aren't sure you have adopted this policy, check out our current list and other policy information at www.nctcog.org/fleetpolicy.)

DFWCC added 33 Alternative Fuel Stations to AFDC

The DFW Clean Cities added and updated 23 station records to the Alternative Fueling Station Locator for Love's Travel Centers in the region, 9 biodiesel stations, and 1 compressed natural gas station. This allows alternative fuel vehicle drivers to stay up to date with reliable refueling locations and builds out the networks of alternative fuel corridors. These resources are currently online and available [here](#).

DFWCC Recognized for CNG and LNG Infrastructure

At the 2019 Clean Cities National meeting, DFWCC was recognized for

the most build-out of Compressed Natural Gas (CNG) and Liquefied Natural Gas (LNG) infrastructure based on coalition data submitted to DOE as part of the 2018 Clean Cities Annual Report! Thank you to our stakeholders for helping make this recognition possible!



Food & Flora Waste to Fleet Fuel

The University of Texas at Arlington, the North Central Texas Council of Governments, and the City of Dallas are collaborating on a study about creating renewable natural gas or electricity from food and yard waste. The project, titled “Food & Flora Waste to Fleet Fuel: Development and Application of the F⁴ Framework,” is being funded by the Center for Transportation Equity, Decisions & Dollars, supported by USDOT. The project will help cities determine the feasibility of using existing anaerobic digesters at wastewater treatment plants, which currently process sludge, to also convert food and yard waste into biogas. More information on this study [here](#).

Notify Electrify America Regarding Electric Vehicle (EV) Station Issues

In a recent interview with Electrify America’s CEO Giovanni Palazzo and COO Brendan Jones, the two highlighted how the company has made a lot of progress but still has a lot to accomplish when serving the next

generation of electric vehicle (EV) drivers. Electrify America acknowledges the challenges it has faced regarding their network of charging stations and as a result, is taking customer feedback seriously. If you have experienced technical issues when attempting to charge your electric vehicle (EV) at stations owned and operated by Electrify America, your feedback is highly valued and may be documented on the Electrify America website [here](#) or emailed to info@electrifyamerica.com.

Austin on Pace to Have Over 300 Electric Vehicle (EVs) by 2020

The City of Austin has set a goal of having 330 EVs by 2020. Reaching this goal would ultimately save the city \$3.5 million over the course of 10 years and is estimated to reduce 1,250 metric tons of CO₂ per year. The city estimates savings of up to \$12.8 million over 10 years if all potentially replaceable light-duty vehicles (1,780) were replaced with EVs.

Find out more information about Austin's EV transition [here](#).

Grant Funding Awarded to North Texas School Districts for Clean School Buses

Texas school districts are taking the lead to lower transportation related emissions using clean diesel and propane school buses. To help school districts improve air quality without breaking the bank, the Texas Commission on Environmental Quality (TCEQ) awarded \$50 million in grants to school districts across the state. Notably from the North Texas region, **Hurst-Euless-Bedford ISD** won a grant of over \$1 million to replace sixteen buses with clean diesel technology. Also, from the North Texas region, **Denton ISD** plans to purchase nine new propane buses for their fleet through their grant award.

Read the full story on [NBC 5's website](#) and to learn more about the available funding to replace or re-power school buses visit the TCEQ web page [here](#)!

Hydrogen takes Center Stage in Atlanta as Fuel of the Future

Hydrogen is becoming a trend among truck manufacturers. Companies like Cummins, Hyundai Motor Company, Nikola Motor Company, Kenworth, and Toyota all displayed their new hydrogen fuel-cell electric trucks at the North American Commercial Vehicle (NACV) show in Atlanta, GA. With ranges of almost 600 miles, could hydrogen fuel-cell electric Trucks be the future of the trucking industry?

Learn more about hydrogen trucks at the North American Commercial Vehicle (NACV) Show [here](#).

Want to save of fuel costs? Try Slowing Down!

According to the latest [Transportation Energy Data Book](#), fuel economy varies with speed. A study of 74 vehicles showed that fuel economy dropped an average of 24.5% from 50 mph to 70 mph.

Electric- truck Maker Nikola Coporation Claims 'game-changing' Battery Advancements

Nikola Corporation, a vehicles manufacturer, is on track to begin commercial truck production in 2022 that include battery cell technology. These trucks are said to incorporate the “world’s first free-standing electrode automotive battery”. Nikola’s hydrogen-electric fuel cells could travel 1,000 miles and be refueled within 15 minutes.

This technology can also extend to passenger electric-powered vehicles and increase the range to 600 miles. Despite the production costs being cheaper, these batteries are expected to be lighter and less prone to short-circuiting. Learn more about Nikola’s battery advancements [here](#).

Renewable Propane - An Emerging Solution for Low-Carbon Energy Resiliency

There are many benefits of propane including cleaner emissions and increasing energy flexibility, reliability and resiliency. With the current move to alternative fuels, and increased demand for energy efficiency, policymakers can now consider renewable propane as an option to

expand the clean energy options available for residences, businesses and communities.

For more information visit <https://www.renewablegas360.com/>

NACFE Predicts a Zero-Emissions Freight Future

NACFE released a new [Guidance Report](#), to help fleet managers sift through new fuel technologies and propulsion systems.

The spectrum of new fuel and power choices covered by the NACFE report includes:

- Commercial battery electric (CBEV)
- Fuel cell hybrid electric (FCEV)
- Compressed natural gas (CNG)
- Renewable natural gas (RNG)
- Liquefied Natural Gas (LNG)
- Propane (LPG)
- Hybrid diesel electric (HDE)
- Renewable diesel (RD)

Learn more about Zero-Emissions Freight [here](#).

Funding

Subscribe to Air Quality Funding Updates [here](#) to receive real-time information on funding and incentives related to clean vehicle technologies and other air-quality improvement measures!

2020 Clean Diesel Call for Partners

The US Environmental Protection Agency (EPA) has announced a funding opportunity under the [2020 Diesel Emission Reduction Act \(DERA\) National Grants](#) for projects that reduce emissions from heavy-duty diesel vehicles and equipment and improve public health. North Central Texas Council of Governments (NCTCOG) anticipates submitting a proposal on behalf of the North Central Texas area. To identify specific activities, **NCTCOG is conducting a 2020 Clean Diesel Call for Partners (CFP) to seek projects** to be a part of an NCTCOG grant proposal to EPA. To be included in the NCTCOG proposal, vehicles/equipment must operate within the 16-County NCTCOG

region.

The NCTCOG proposal will implement projects aimed at reducing emissions from existing fleets of older diesel vehicles at locations such as, rail yards, terminals, or distribution centers which have been identified as focus areas by the EPA. All projects must address existing diesel emissions occurring in activities associated with goods movement. Projects may include, but are not limited to, diesel emissions reduction solutions from the following heavy-duty diesel emissions source types:

- School buses
- Class 5 – Class 8 heavy-duty highway vehicles
- Locomotive engines
- Nonroad engines, equipment or vehicles used in construction, handling of cargo (including at ports or airports), agriculture, mining or energy production (including stationary generators and pumps).

Partners included in the proposal must submit a letter of commitment for grant-required matching funds that will range from 20 to 75 percent of total project cost, depending upon individual activities submitted. Additional requirements are outlined in the CFP application. Application materials must be received in-hand no later than 5 p.m. Central Standard Time, on Friday, **January 31, 2020**, to Bethany Hyatt, Air Quality Planner, North Central Texas Council of Governments, 616 Six Flags Drive, Arlington, Texas 76011.

For application materials and additional details, see

www.nctcog.org/aqfunding.

Diesel Emissions Reduction Act (DERA) 2020 is Now Open!

The U.S. Environmental Protection Agency (EPA) has announced the availability of grant funding to implement projects aimed at reducing emissions from the nation's existing fleet of older diesel engines. EPA anticipates awarding approximately \$44 million in Diesel Emission Reduction Program (DERA) grant funding to eligible applicants. Public entities may apply directly to EPA. Both public and private fleets with operations in DFW are encouraged to consider submitting to be part of a planned NCTCOG proposal. Sign up for emails from www.nctcog.org/aqfunding to get notices of the NCTCOG application process!

Application Deadline: February 26, 2020

Webinar: Tuesday, January 14, 2 pm to 3 pm

- [Link to webinar](#)

For more information: <https://www.epa.gov/grants/2020-dera-national-grants-competition>

The Alternative Fueling Facilities Program (AFFP) Grant Funding

The Texas Commission on Environmental Quality has up to \$12 million in grants available for the construction of new [alternative fueling facilities](#) or the expansion of existing facilities to provide new services or fueling capacity. Eligible fuel types include **compressed natural gas**, **liquefied natural gas**, **propane**, **biodiesel**, **methanol**, **hydrogen**, and **electricity**.

Application Deadline: March 18, 2020

Funding Levels

- Up to \$400,000 for a CNG or LNG project
- Up to \$600,000 for a combined CNG and LNG project
- Up to 50% or \$600,000 for all other fuels

To see full project eligibility requirements and application details visit:

<https://www.tceq.texas.gov/airquality/terp/ctf.html>

Clean Fleets North Texas 2019 Call for Projects -- Deadline Approaching!

The North Central Texas Council of Governments has reopened the Clean Fleets North Texas 2019 Call for Projects! Please note the new grant minimum of \$50,000 and application deadline of **February 14, 2020**. Eligible applicants include local governments and private companies that contract with local governments. Eligible activities include the replacement of on-road diesel vehicles and of non-road diesel equipment, such as sweepers, crawler tractors, excavators, rubber tire loaders, and the like. Funding levels are as follows:

- 45% if New Vehicle/Equipment is Electric
- 35% if New Vehicle/Equipment is Powered by Engine Certified to California Air Resource Board Optional Low-NOx Standards
- 25% Cost for All Others

Visit www.nctcog.org/aqfunding for more information.

Texas Volkswagen Environmental Mitigation Program (TxVEMP) Accepting Applications for Refuse Vehicle Projects

The second round of funding for projects under the Texas Volkswagen Environmental Mitigation Program (TxVEMP) to replace or repower a variety of vehicles used to haul waste, including garbage trucks, roll-off trucks, dump trucks, sweeper trucks, chipper trucks, and grapple trucks, remains open. Approximately \$8.3 million in funding is available and will be awarded on a first-come, first-served basis. Local governments are eligible to receive up to 80% funding for replacements and repowers. Due to the variety of eligible vehicles, cities that contract out waste hauling services may still be able to take advantage of available funds. Approximately \$2.3 million has already been requested and funding goes fast so apply as soon as possible! Email VWsettle@tceq.texas.gov for more specific questions.

An eligible refuse vehicle must:

- have a gross vehicle weight rating greater than 26,001 lbs.;
- be powered by a diesel engine of model year 1992-2009; and
- be configured to collect and transport municipal solid waste.

Applications will be accepted until 5:00 p.m. on Oct. 8, 2020, or until all funds have been awarded. For more information, visit www.TexasVWFund.org. Not sure what you want to purchase? Watch the DFWCC webinar available at <https://www.dfwcleancities.org/dfw-clean-cities-meetings> for an overview of the latest technologies available.

Light-Duty Motor Vehicle Purchase or Lease Incentive Program (LDPLIP)

Rebates are available statewide for eligible light-duty motor vehicles purchased or leased in Texas on or after September 1, 2019.

- Rebates of up to \$5,000 are available for up to 1,000 eligible compressed natural gas (CNG) and liquefied petroleum gas (LPG or propane) vehicles.
- Rebates of up to \$2,500 are available for up to 2,000 eligible electric drive (plug-in or plug-in hybrid) or hydrogen fuel cell vehicles.

Applications will be accepted and considered on a first-come, first-served basis until all available rebates have been awarded. Applications will not be accepted after 5:00 p.m. on January 7, 2021. Apply today at www.tceq.texas.gov/airquality/terp/ld.html.

Texas Natural Gas Vehicle Grant Program

The TCEQ is accepting applications for the Texas Natural Gas Vehicle Grant Program, which pays up to 90% of the incremental cost to replace or repower diesel or gasoline vehicles with a natural gas or propane vehicle or engine. Applications will be accepted and considered on a first-come, first-served basis until February 26, 2021, or all available have been awarded. Apply today at <https://www.tceq.texas.gov/airquality/terp/tngvgp.html>.

Training Resources

National Alternative Fuels Training Consortium Manuals Available

DFWCC is offering the following manuals on a first-come, first-served basis. Please send your request to cleacities@nctcog.org. See pictures of the manuals available at <https://www.dfwcleancities.org/training>.

- (17) Law Enforcement Alternative Fuel Vehicle Safety Training Instructor Manual
- (15) Compressed Natural Gas Vehicles: Fuel System Inspector
- (4) Electric Drive Automotive Technician Training
- (2) Light-Duty Natural Gas Vehicles
- (1) Propane Vehicle Training

Clean Cities Sponsorship

Check out the updated sponsorship page at www.dfwcleancities.org/sponsorus, which now includes event-specific sponsorships! DFW Clean Cities relies on sponsor support to fund its initiatives, including hosting workshops, trainings, developing educational materials, or providing non-federal matching funds on grant proposals.

Thanks to our Level 2 DFW Clean Cities Sponsor, the [Texas Natural Gas](#)

[Vehicle Alliance](#) and our Level 3 DFW Clean Cities Sponsor, [GPS Insight!](#)



GPSINSIGHT

Resources

[Air North Texas](#) | [Air Quality Funding](#) | [Electric Vehicles North Texas](#)

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