

Electric and Autonomous Vehicle First Responder Training

Savana Nance, Air Quality Planner
NCTCOG Transportation Department
Wednesday, April 20, 2022



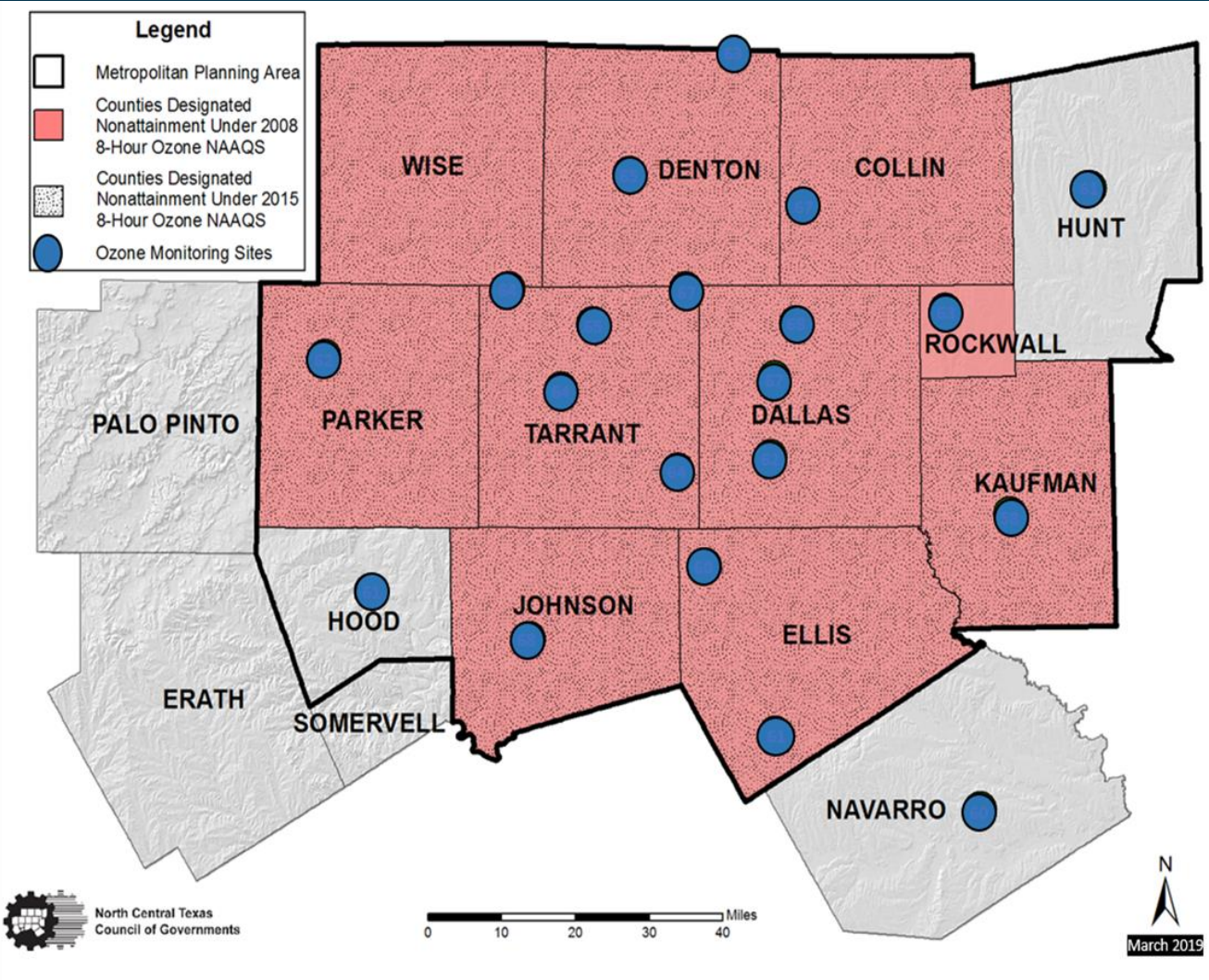
Dallas-Fort Worth
CLEAN CITIES



North Central Texas
Council of Governments



Who We Are



Regional Planning Agency



Metropolitan Planning Organization (MPO)



Local Clean Cities Coalition

Agenda

Savana Nance, NCTCOG/DFWCC

8:00 - 8:10 a.m.

Autonomous Vehicle Training, Rob Patrick, Waymo

8:10 - 10:00 a.m.

Break

10:00 - 10:10 a.m.

Electric Vehicle Training, Ron Moore, RESQUE-1

10:10 - 12:00 p.m.

Lunch

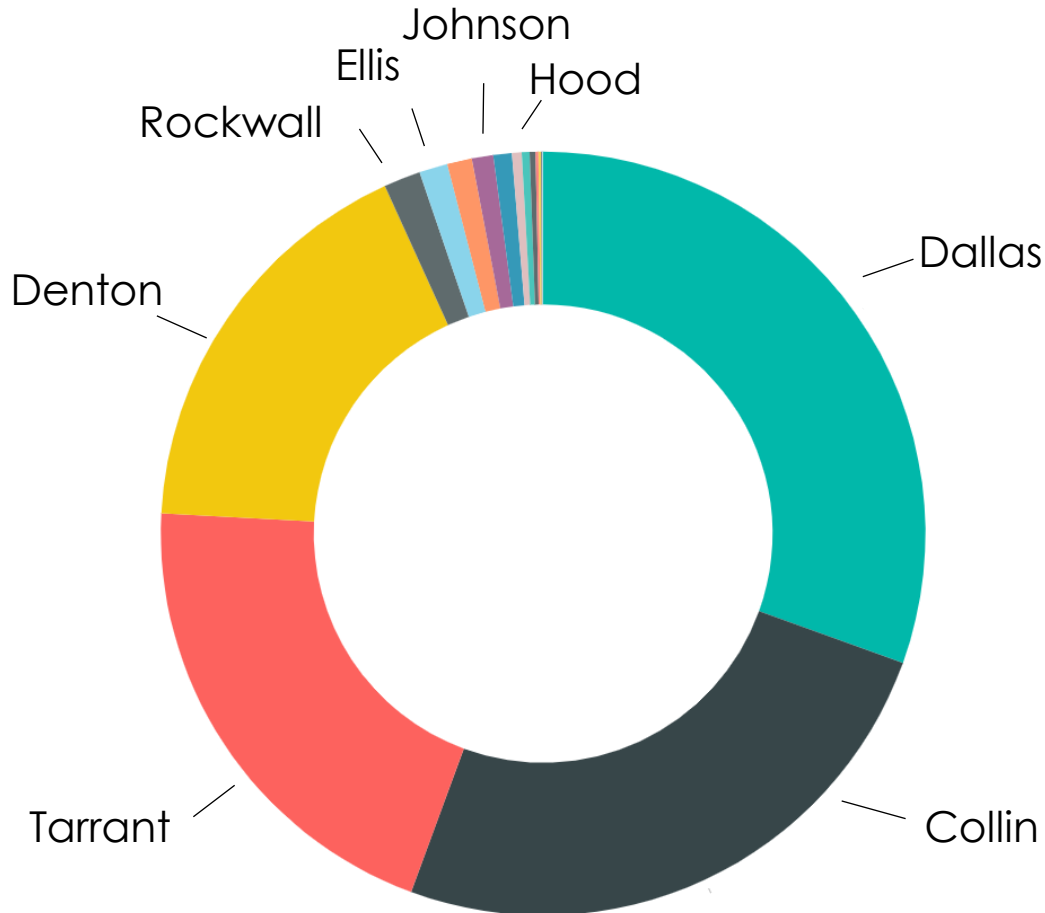
12:00 - 1:00 p.m.

Electric and Autonomous Vehicle Training, Ron Moore, RESQUE-1

1:00 - 3:00 p.m.

Electric Vehicle Registration

Electric Vehicles by County



As of April 5, 2022:

120,213 Electric Vehicles (EV) in Texas

233 Counties in Texas Have EVs

43,836 EVs in North Texas

Increasing Number of EVs are Expected Due to:

1. Increasing Vehicle Availability and Popularity
2. Investment from the Bipartisan Infrastructure Law
3. Funding from Texas Volkswagen Environmental Mitigation Program
4. Major Automaker Commitments

Access North Texas and Statewide
Registration Tools and Data via Electric
Vehicle North Texas (EVNT) Website

www.dfwcleancities.org/evnt

Electrification Transition Goals of Manufacturers



(% of Sales) | Data as of 11/10/2021




*This list is not comprehensive, and manufacturers are not endorsed by NCTCOG

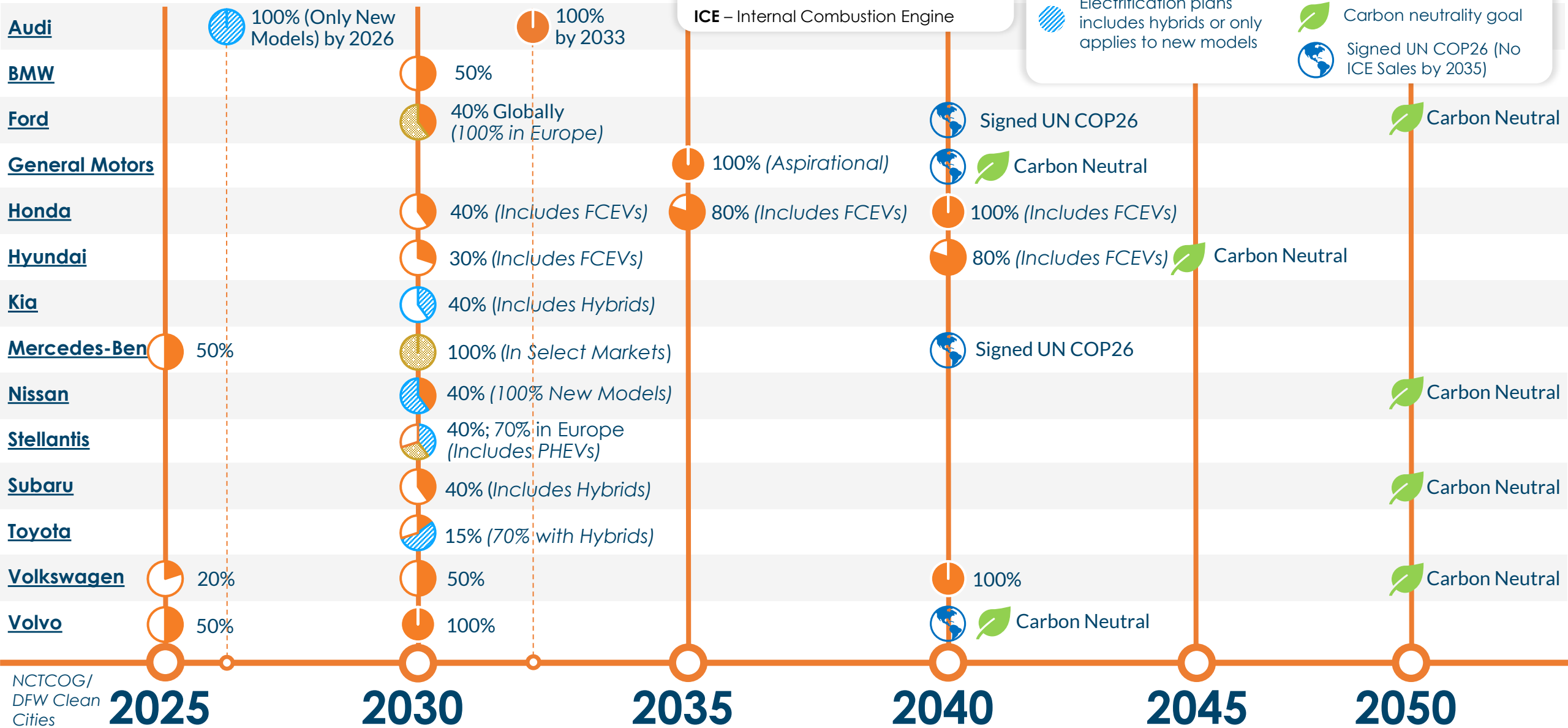
FCEV – Fuel Cell Electric Vehicle

PHEV – Plug-In Hybrid Electric Vehicle

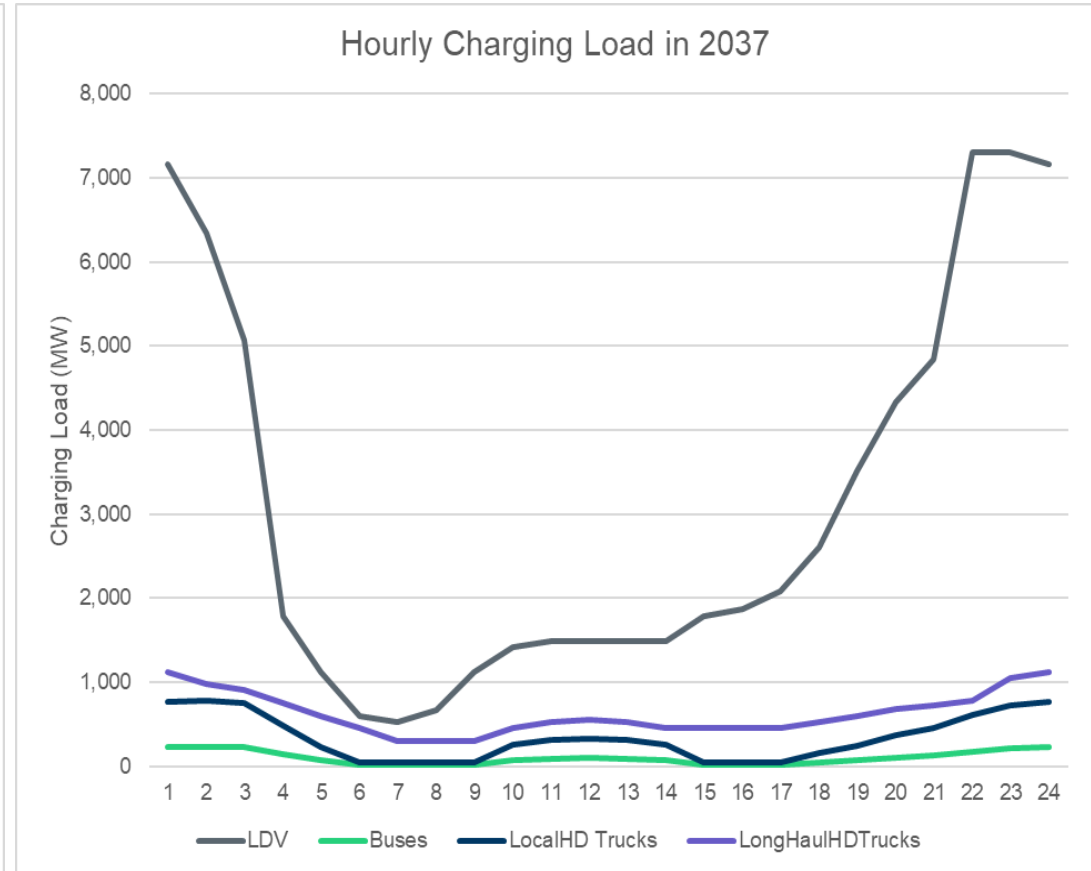
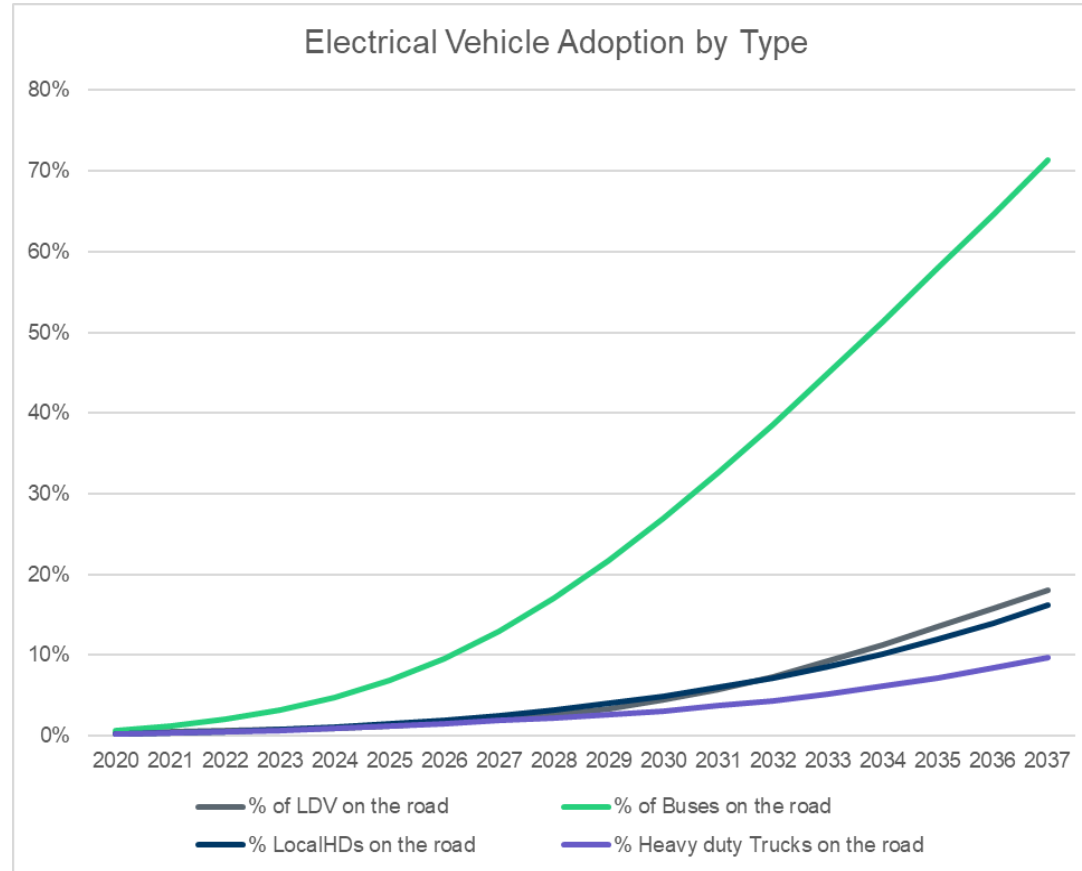
ICE – Internal Combustion Engine

-  % of sales that do not use ICEs
-  Electrification plans includes hybrids or only applies to new models

-  OEM has phased out ICEs in a region other than the United States
-  Carbon neutrality goal
-  Signed UN COP26 (No ICE Sales by 2035)



ERCOT Long-Term System Assessment Assumptions



Source: Electric Reliability Council of Texas (ERCOT) Long-Term System Assessment, http://www.ercot.com/content/wcm/key_documents_lists/213867/2022_LTSA_Update_InputAssumptions_August2021.pdf. Uses an adjusted forecast from Bloomberg New Energy Finance Electric Vehicle Outlook (<https://about.bnef.com/electric-vehicle-outlook/>) and National Renewable Energy Laboratory charging load profiles.

Contacts

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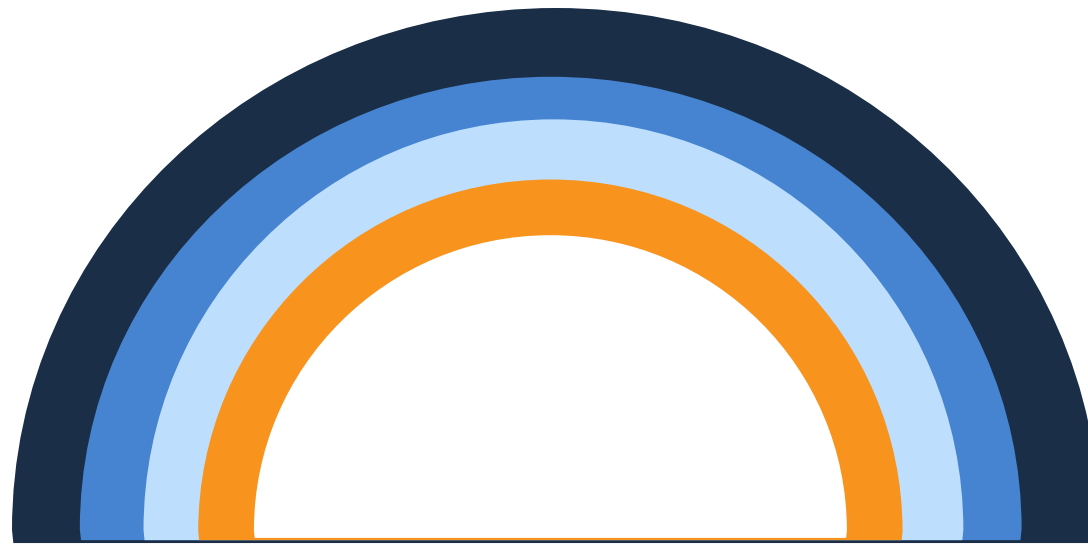
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www.dfwcleancities.org



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Future Training Needs

Please Fill Out the Evaluation Form
with Feedback on Future Training
Needs!



To Stay Informed of NCTCOG/DFWCC Efforts, go to
www.nctcog.org/stay-informed



For Vehicle Funding Information, go to
www.nctcog.org/AQfunding