



North Central Texas  
Council of Governments



Dallas-Fort Worth  
CLEAN CITIES

# 2022 DFW Clean Cities Fleet Recognition Awards and Annual Survey Results

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# DALLAS FORT-WORTH CLEAN CITIES (DFWCC)

## DFWCC - Advance Economic, Environmental, and Energy Security

- Increase Efficiency and Reduce Emissions from Transportation
- Partner with Public and Private Fleets
- Structure
  - Fleet & Commercial Strategies
  - Consumer Initiatives
  - Local Government Policies / Community Readiness

## Fleet Support - Enable More Efficient, Greener Fleets

- Match Vehicles & Equipment to Funding
- Train on Tools and Resources
- Plan for Fleet Transition – Detailed Recommendations



**Dallas-Fort Worth  
CLEAN CITIES**

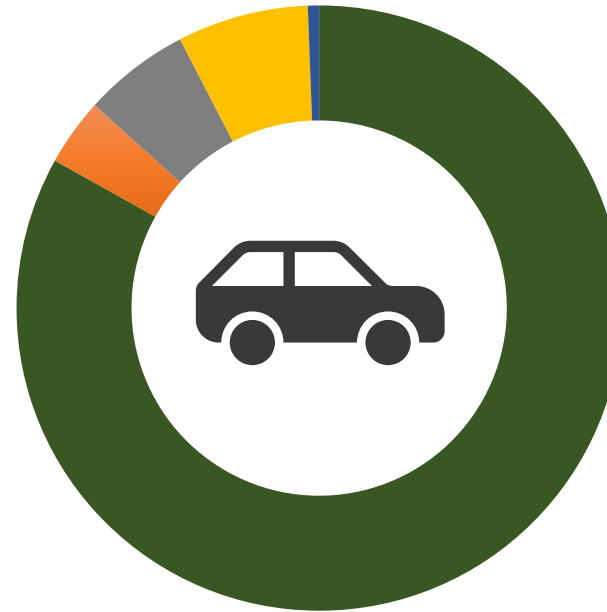
# DFW Clean Cities Impacts – Results from 2021 Survey

60 Fleets Reporting

12,286 Alternative Fuel  
Vehicles and Equipment

\*Impacts Over Calendar Year  
2021

~24.19 Million Gasoline Gallon  
Equivalent (GGE) Reduced\*



- Alternative Fuel Vehicles
- Vehicle Miles Traveled Reductions
- Fuel Economy Improvements
- Idle Reduction
- Off-Road Vehicles/Equipment



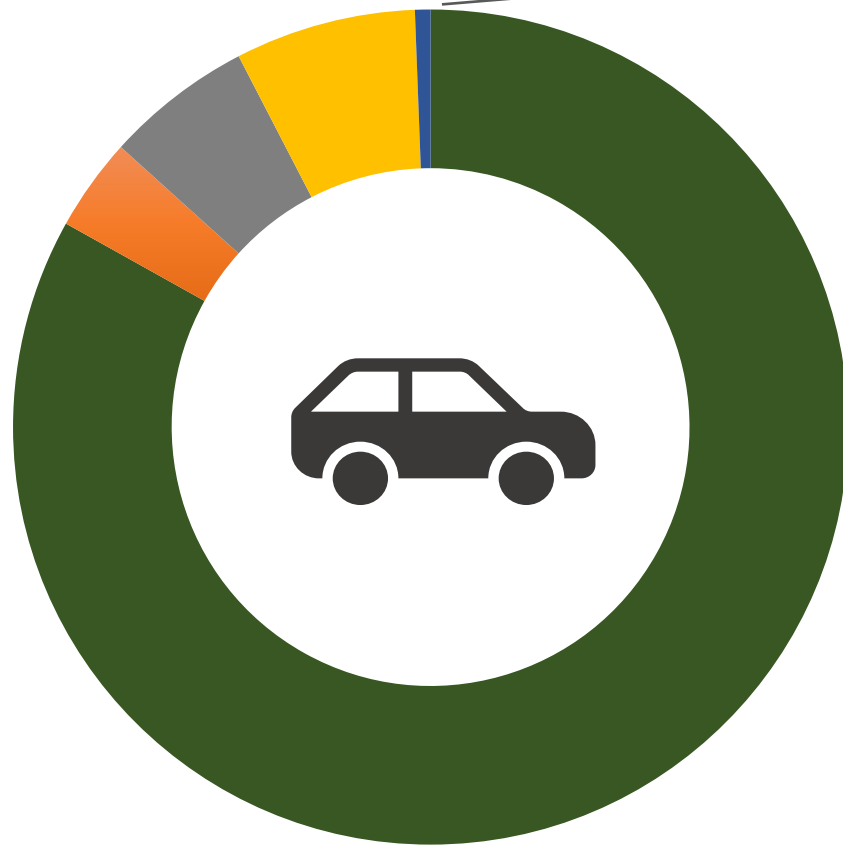
~27 Tons Ozone-Forming Nitrogen Oxides (NO<sub>x</sub>) Reduced



118,555 Tons Greenhouse Gas (GHG) Emissions Reduced\*  
(Equivalent to Eliminating Railcars Worth of Coal Burned)

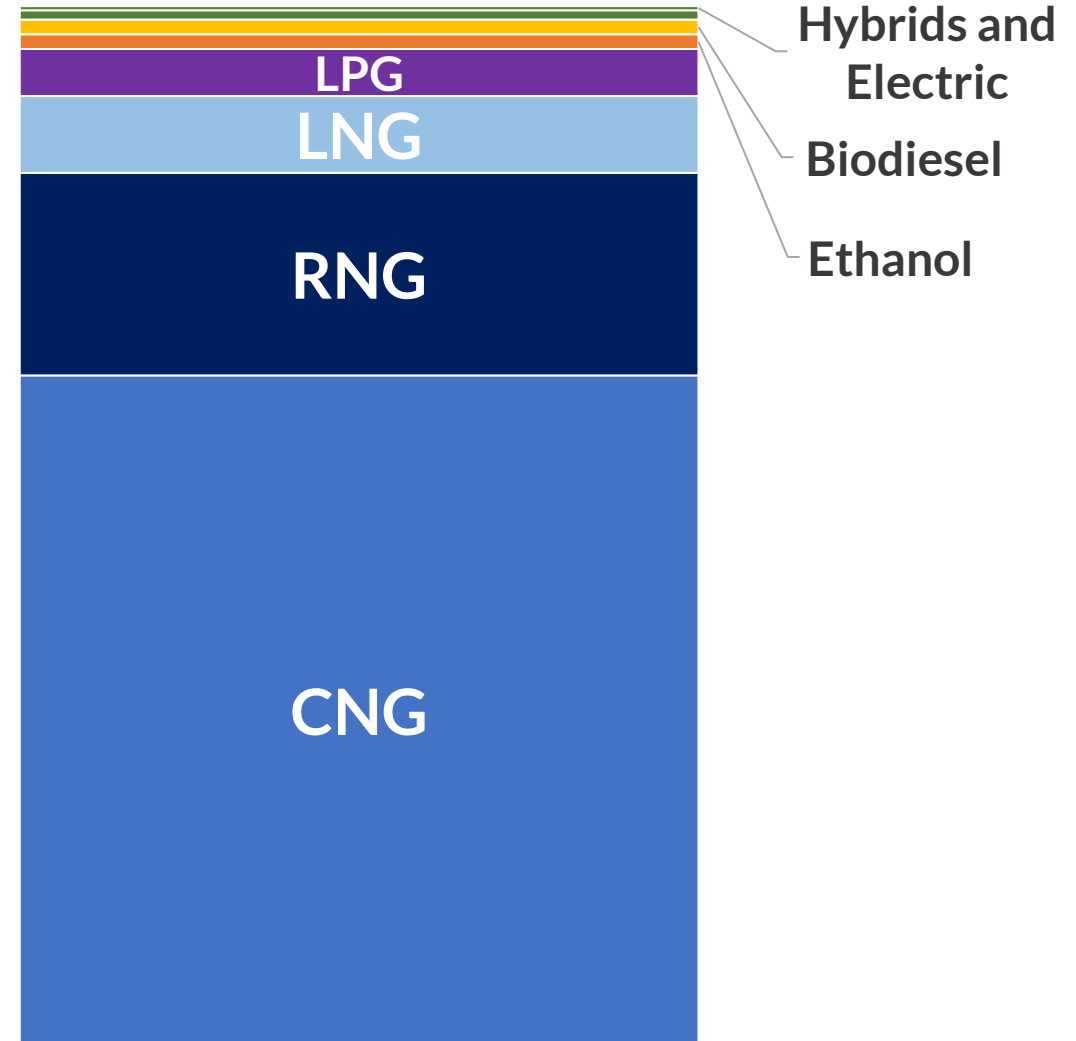
# 2021 Annual Energy Impact

## Total Energy Reduced



## Alternative Fuel Vehicles Energy Reduced

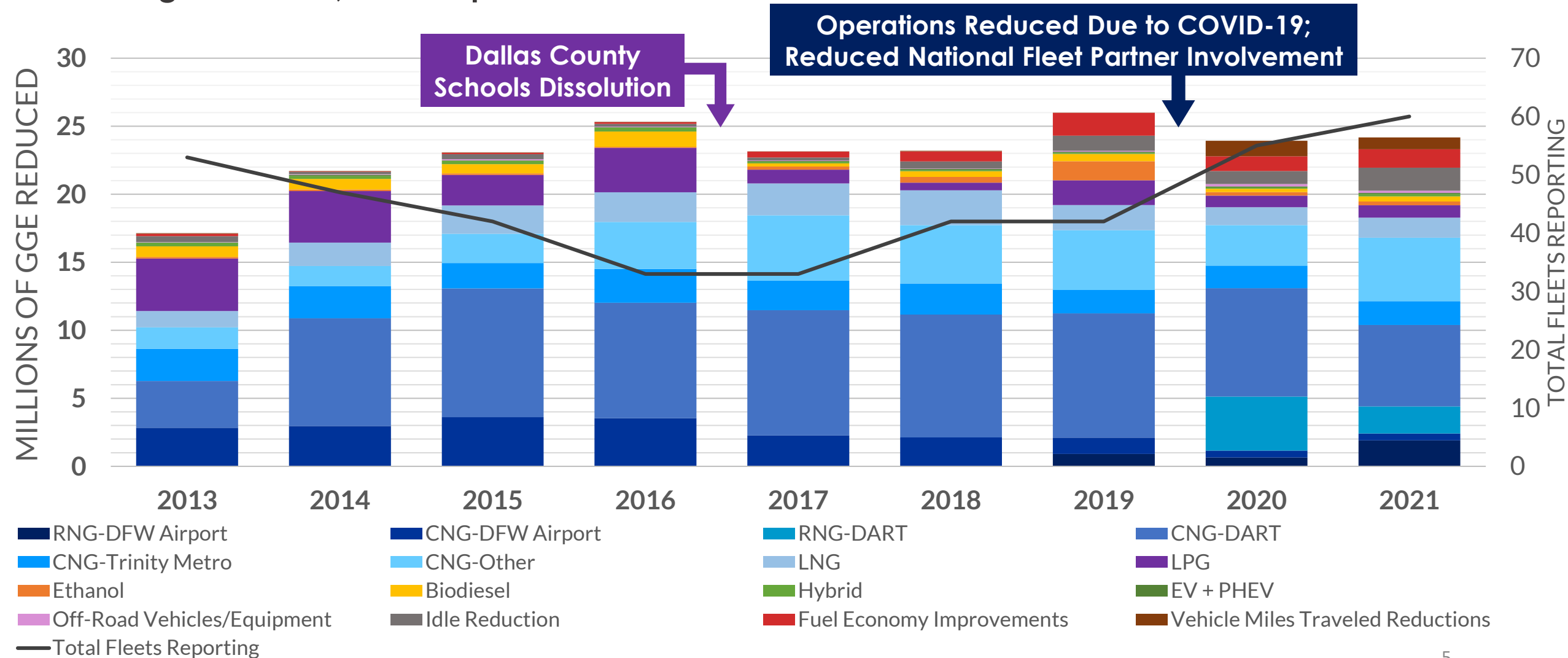
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# Trends in Annual Energy Impact

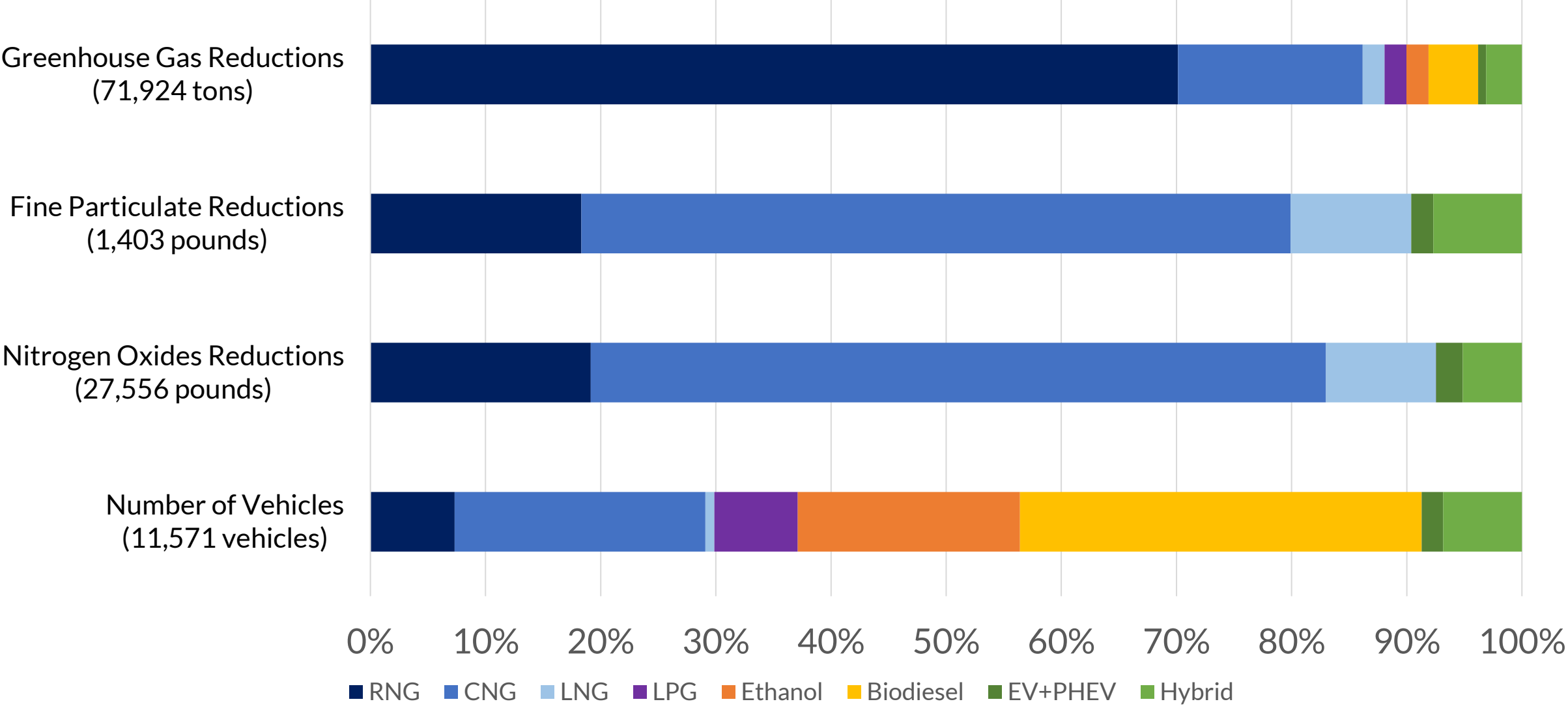
Department of Energy Goal: Increase GGE Reductions 16% Year Over Year

2021 Target: 27.79M, 2021 Reported: 24.19M



RNG-Renewable Natural Gas; CNG- Compressed Natural Gas; LNG- Liquefied Natural Gas; LPG- Liquefied Petroleum Gas; EV- Electric Vehicle; PHEV-Plug-In Hybrid Electric Vehicle

# Impact of Various Fuel Types



RNG-Renewable Natural Gas; CNG- Compressed Natural Gas; LNG- Liquefied Natural Gas; LPG- Liquefied Petroleum Gas; EV- Electric Vehicle; PHEV-Plug-In Hybrid Electric Vehicle <sup>6</sup>

# Fleet Challenge

Organization	2021 Fleet Challenge Goal	2021 Fleet Challenge Achievements
City of Bedford	Replace <b>27</b> vehicles with newer, more efficient models	Replaced <b>39</b> vehicles with newer, more efficient models
City of Carrollton	Reduce overall fuel usage by <b>10%</b> from pre-pandemic usage	Reduced fuel usage by <b>30%</b>
City of Frisco	Increase overall fleet fuel economy by <b>1%</b>	Reduced fuel usage by <b>7%</b>
City of North Richland Hills	Increase alternative fuel vehicles by <b>5%</b>	Doubled hybrid vehicles and increased mileage by <b>15%</b>
City of Watauga	Increase overall fleet fuel economy by <b>5%</b>	Reduced fuel usage by <b>7%</b>
DFW Airport	Increase RNG volume to <b>&gt;60%</b> of natural gas usage	RNG reached <b>80%</b> of natural gas usage

# Shining Stars



## Greatest Progress in NO<sub>x</sub> Reduction

City of Coppell

City of Grapevine

City of Lewisville



## Alternative Fuel Champions

City of Arlington

Dallas ISD

DFW International Airport

Trinity Metro



## Greatest Showcase of Efficiency Strategies

City of Carrollton

Denton County

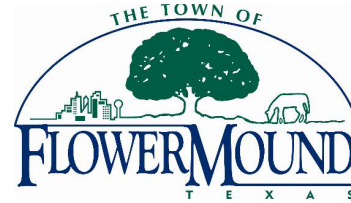
Denton County Transportation Authority

Town of Flower Mound



# Bronze Fleet Winners

City of Coppell
City of Lancaster
City of North Richland Hills
Denton County
GreenPath Logistics
Town of Flower Mound



# Silver Fleet Winners

City of Arlington
City of Frisco
City of Irving
City of Mesquite
Denton ISD
Town of Addison
Trinity Metro



# Gold Fleet Winners

City of Carrollton
City of Dallas
City of Denton
City of Grapevine
City of Lewisville
City of Southlake
Dallas Area Rapid Transit (DART)
DFW International Airport



# Contact Us



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