Dallas-Fort Worth Clean Cities
Fleet Recognition and Annual Survey Results

Jared Wright, Air Quality Planner
March Online Input Opportunity

March 8 – April 7, 2021
DFW Clean Cities Impacts – Results from 2019 Survey

42 Fleets Reporting
9,871 Alternative Fuel Vehicles and Equipment

*Impacts Over Calendar Year 2019

dfwcleancities.org/annualreport

<table>
<thead>
<tr>
<th>Category</th>
<th>Reduction in Tons</th>
</tr>
</thead>
<tbody>
<tr>
<td>~26.03 Million Gasoline Gallon Equivalent (GGE) Reduced*</td>
<td>~26.03</td>
</tr>
<tr>
<td>~420.104 Tons Ozone-Forming Nitrogen Oxides (NOx) Reduced*</td>
<td>~420.104</td>
</tr>
<tr>
<td>72,094 Tons Greenhouse Gas (GHG) Emissions Reduced*</td>
<td>72,094</td>
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</tbody>
</table>

For Comparison: RTC Initiatives Credited in Conformity = ~2.12 Tons/Day
Trends in Annual Energy Impact

Goal per Department of Energy: Increase Reductions 15% Year Over Year

2019 Target: 26.73 GGE Reduced
2019 Reported: 26.03 GGE Reduced

RNG-DFW Airport
CNG-DFW Airport
CNG-DART
LNG
LPG
Hybrid
EV + PHEV
Idle Reduction
Fuel Economy Improvements

RNG-Renewable Natural Gas; CNG-Compressed Natural Gas; LNG-Liquified Natural Gas; LPG-Liquified Propane Gas; EV-Electric Vehicle; PHEV-Plug-In Hybrid Electric Vehicle
Impact of Various Fuel Types

- **Greenhouse Gas Reductions**
  - RNG: 30%
  - CNG: 60%
  - LNG: 10%
  - Propane: 4%
  - Ethanol: 1%
  - Biodiesel: 1%
  - EV+PHEV: 1%
  - Hybrid: 2%
  - Total: 37,123 tons

- **Fine Particulate Reductions**
  - RNG: 30%
  - CNG: 50%
  - LNG: 10%
  - Propane: 5%
  - Ethanol: 3%
  - Biodiesel: 2%
  - EV+PHEV: 1%
  - Hybrid: 1%
  - Total: 235 pounds

- **Nitrogen Oxides Reductions**
  - RNG: 30%
  - CNG: 60%
  - LNG: 10%
  - Propane: 4%
  - Ethanol: 1%
  - Biodiesel: 1%
  - EV+PHEV: 1%
  - Hybrid: 2%
  - Total: 420.095 tons

- **Number Vehicles**
  - RNG: 20%
  - CNG: 40%
  - LNG: 20%
  - Propane: 10%
  - Ethanol: 5%
  - Biodiesel: 3%
  - EV+PHEV: 2%
  - Hybrid: 1%
  - Total: 9,612 Vehicles
Fleet Recognition Awards

Based on 2019 Report

<table>
<thead>
<tr>
<th>Recognition Criteria – Up to 100 Points</th>
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<tbody>
<tr>
<td>Up to 45 Points – Emissions Reduction</td>
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<tr>
<td>Up to 25 Points – Reducing Fuel Consumption</td>
</tr>
<tr>
<td>Up to 20 Points – Partnering with DFW Clean Cities</td>
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<tr>
<td>Up to 10 Points – Ensuring Familiarity with Fleet Goals</td>
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Bronze Fleet Winners

<table>
<thead>
<tr>
<th>City of Arlington</th>
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</thead>
<tbody>
<tr>
<td>City of Frisco</td>
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<tr>
<td>City of North Richland Hills</td>
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<tr>
<td>City of Watauga</td>
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<tr>
<td>Tarrant County</td>
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<tr>
<td>Town of Addison</td>
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<tr>
<td>Town of Flower Mound</td>
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<tr>
<td>Trinity Metro</td>
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Silver Fleet Winners

City of Bedford
City of Coppell
City of Irving
City of Mesquite
Denton ISD
Prosper ISD
## Gold Fleet Winners

<table>
<thead>
<tr>
<th>City of Carrollton</th>
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<tbody>
<tr>
<td>City of Dallas</td>
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<td>City of Denton</td>
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<tr>
<td>City of Euless</td>
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<tr>
<td>City of Lewisville</td>
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<tr>
<td>City of Southlake</td>
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<tr>
<td>Dallas Area Rapid Transit (DART)</td>
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<tr>
<td>DFW Airport</td>
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Shining Stars

Greatest Progress in NO$_X$ Reduction

- DFW Airport
  27.5 tons of NO$_X$ Reduced

- North Richland Hills
  93% Increase in Reductions

Greatest Progress in GGE Reduction

- City of Denton
  698,000 GGE Reduced

- SPAN Transit
  97% Increase in Reductions

Greatest Progress in Transitioning to Alternative Fuels

- Trinity Metro
  79% Alternative Fuel Vehicles

- Denton ISD
  +36 LPG Vehicles
2020 Annual Survey

Goal:

29,933,670 GGE Reduced
(15% Increase Relative to 2019)

Priority Outreach:

Clean Fleet Policy Adoptees
Private Sector Fleets
Former Dallas County Schools Customer Fleets

Submit to DFWCC by March 12, 2021

dfwcleancities.org/annualreport
25th Anniversary in 2020
dfwcleancities.org
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