Travel. Transformed.
8-HOUR OZONE NAAQS HISTORICAL TRENDS

As of May 9, 2018

1997 Standard < 85 ppb (Revoked)

2008 Standard ≤ 75 ppb¹ (by 2017)

2015 Standard ≤ 70 ppb (TBD; Marginal by 2020)

SOURCE: North Central Texas Council of Governments
SOURCE: TxDOT Demographic Data Analysis Tool
Aviation Climate Protection Goals

- Emissions assuming no action
- Carbon-neutral growth 2020
- Gross emissions trajectory

- Aircraft technology (known), operations and infrastructure measures
- Biofuels and radically new technologies
- Economic measures

- No action
- Technology
- Operations
- Infrastructure

- CNG 2020
- -50% by 2050
- Not to scale
The Airport opened in 1974 under the name of DFW Regional Airport, with 4 terminals and 3 runways.
170+ domestic destinations
56 international destinations
SUSTAINABILITY
OUR APPROACH

Natural Resources
Economic Viability
Social Responsibility
Operational Efficiency

Natural Resources
Economic Viability
Social Responsibility
Operational Efficiency
Energy Cost vs. Renewables
2006 - 2017

$32 M

100%

$16 M

10%
SUSTAINABLE INFRASTRUCTURE
ASSET OPTIMIZATION
Biodiversity & Natural Environment
COMMUNICATION AND COMMUNITY AFFAIRS
PARTNERSHIPS

- United States Environmental Protection Agency
- Federal Aviation Administration
- Clean Energy
- North Central Texas Council of Governments
- TCEQ
- Texas A&M Engineering Experiment Station
- Clean Cities
- Air North Texas
- U.S. Department of Energy
- NREL
- Alliance to Save Energy
- DFW
Carbon Neutral Certification

• Since 2010, DFW has achieved an 81% reduction in carbon emissions on a per passenger basis as well as 23% reduction in energy costs while total passengers increased by 17% over the same period

• DFW is the only Carbon Neutral Airport in North America (37 worldwide)
Airport Carbon Accreditation Requirements

1. Measure
2. Reduce
3. Partner
4. Offset
219 Accredited Airports Worldwide

- 34 Airports certified in North America
- 118 Airports certified in Europe
- 43 Airports certified in Asia-Pacific
- 14 Airports certified in Latin America & Caribbean
- 10 Airports certified in Africa

- Welcoming 3.2 billion passengers per year.
- In 61 countries across the world.
- Or 42% of global air passenger traffic.
Achieving Carbon Neutrality

100% Renewable Energy
Texas Wind Power

Electricity 79%

Fleet 11%
Facilities 9%
Other 1%

Carbon Offsets
Texas Landfill and Wastewater Treatment Plant Methane Capture Projects
Renewable Energy

<table>
<thead>
<tr>
<th>Year</th>
<th>Fossil Fuels</th>
<th>Renewables</th>
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<tbody>
<tr>
<td>2015</td>
<td>83%</td>
<td>17%</td>
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<tr>
<td>2020</td>
<td>25%</td>
<td>75%</td>
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</table>
Advanced Technologies
High Performance Computing
Kris Russell
Environmental Program Manager
Environmental Affairs Department

Dallas Fort Worth International Airport
2400 Aviation Drive
PO Drawer 619428
DFW Airport, TX 75261

T 972 973 5591
krussell@dfwairport.com