

The background of the slide is a photograph of the Dallas/Fort Worth International Airport (DFW) at sunset. The sky is a deep orange, and the sun is low on the horizon, creating a silhouette of the airport's infrastructure. The most prominent feature is the tall, dark silhouette of the air traffic control tower on the right side. To its left, the lower silhouette of the terminal building is visible. In the foreground, the dark silhouettes of airport roads and some vegetation are seen. The overall mood is serene and professional.

DFW Climate Action

Kris Russell, Sustainability Program Manager

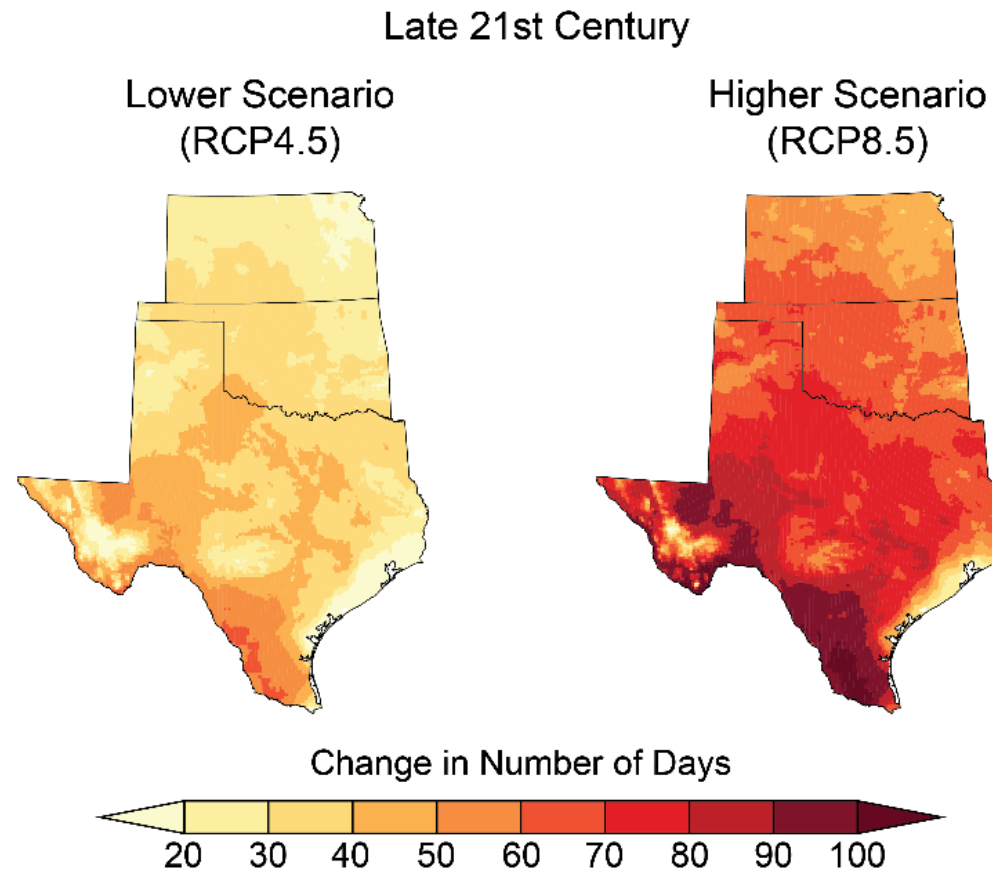
Advancing UN Sustainable Development Goals





National Climate Assessment

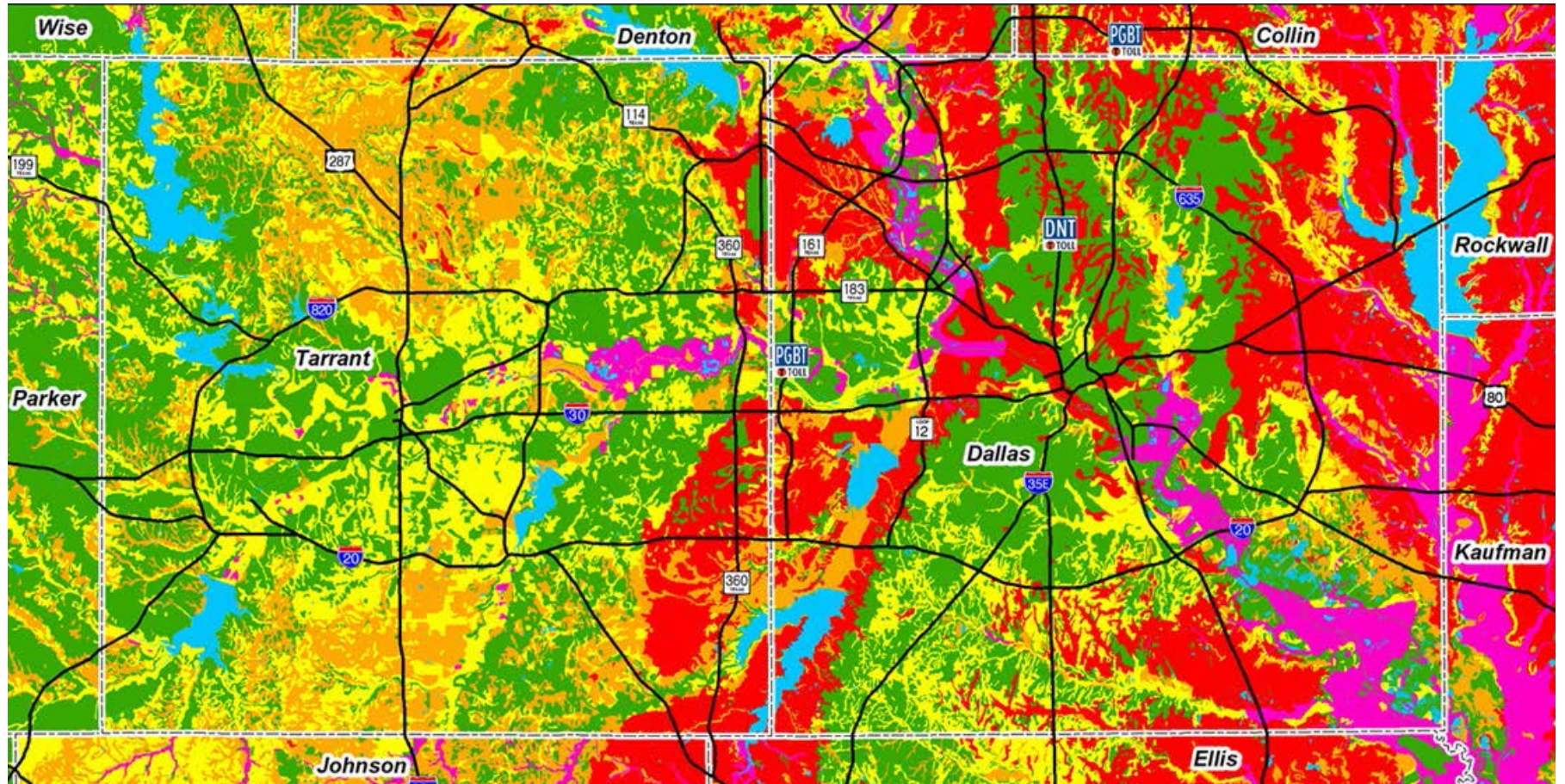
Increase in number of days above 100°F



SOURCE: 2018 Fourth National Climate Assessment, U.S. Global Change Research Program

Climate Impacts in North Texas

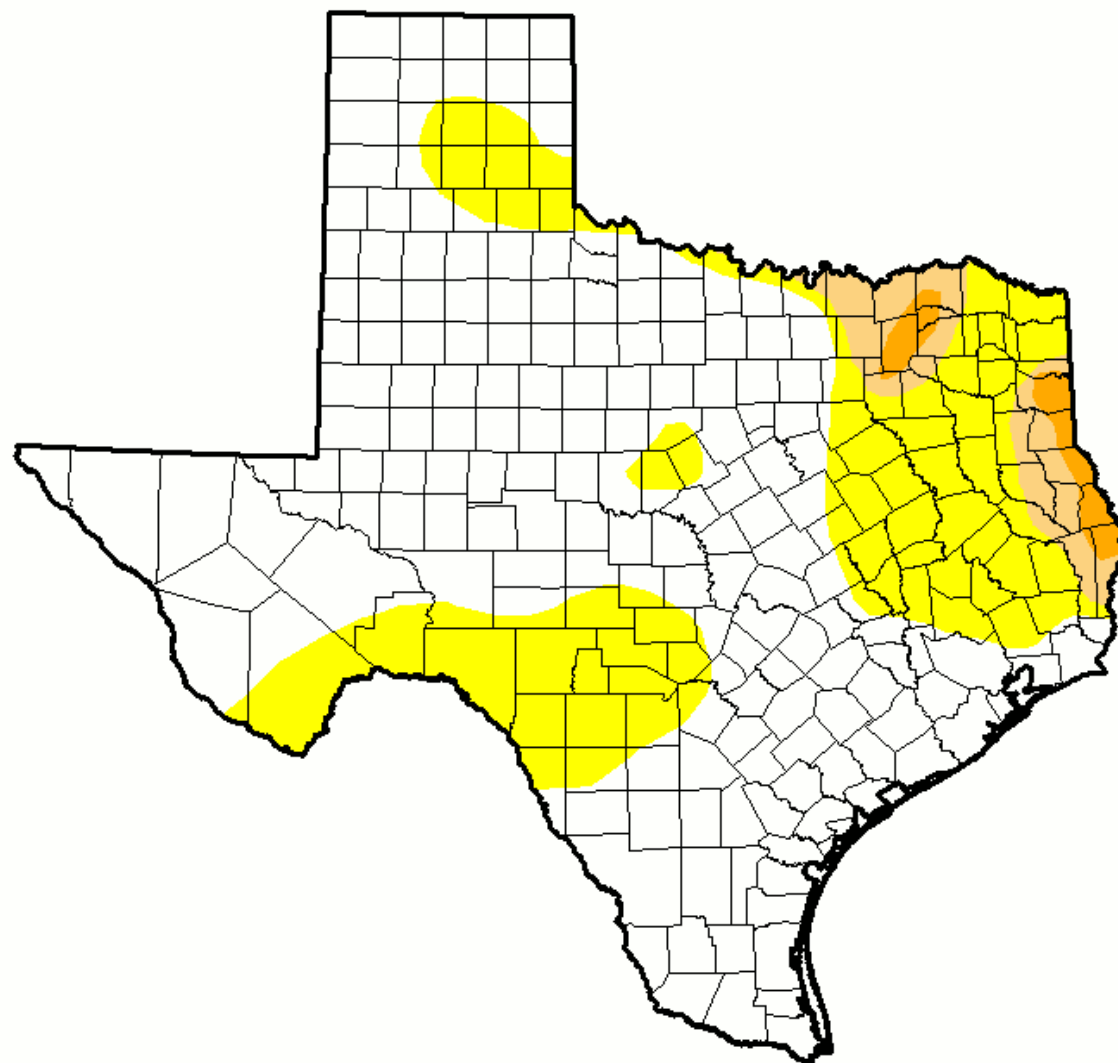
Heat Stress, Water Stress, Increased Storm Intensity



SOURCE: 2015 North Central Texas Council of Governments Vulnerability Assessment

U.S. Drought Monitor Texas

September 7, 2010
(Released Thursday, Sep. 9, 2010)
Valid 7 a.m. EST



Intensity:

- D0 Abnormally Dry
- D1 Moderate Drought
- D2 Severe Drought
- D3 Extreme Drought
- D4 Exceptional Drought

The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. See accompanying text summary for forecast statements.

Author:
Brad Rippey
U.S. Department of Agriculture



<http://droughtmonitor.unl.edu/>



Dallas Trinity River









Carbon Neutral



DFW

Energy Trends

FY2006 vs FY2019



+21%

Passengers

-46%

Energy Cost (\$)

-9%

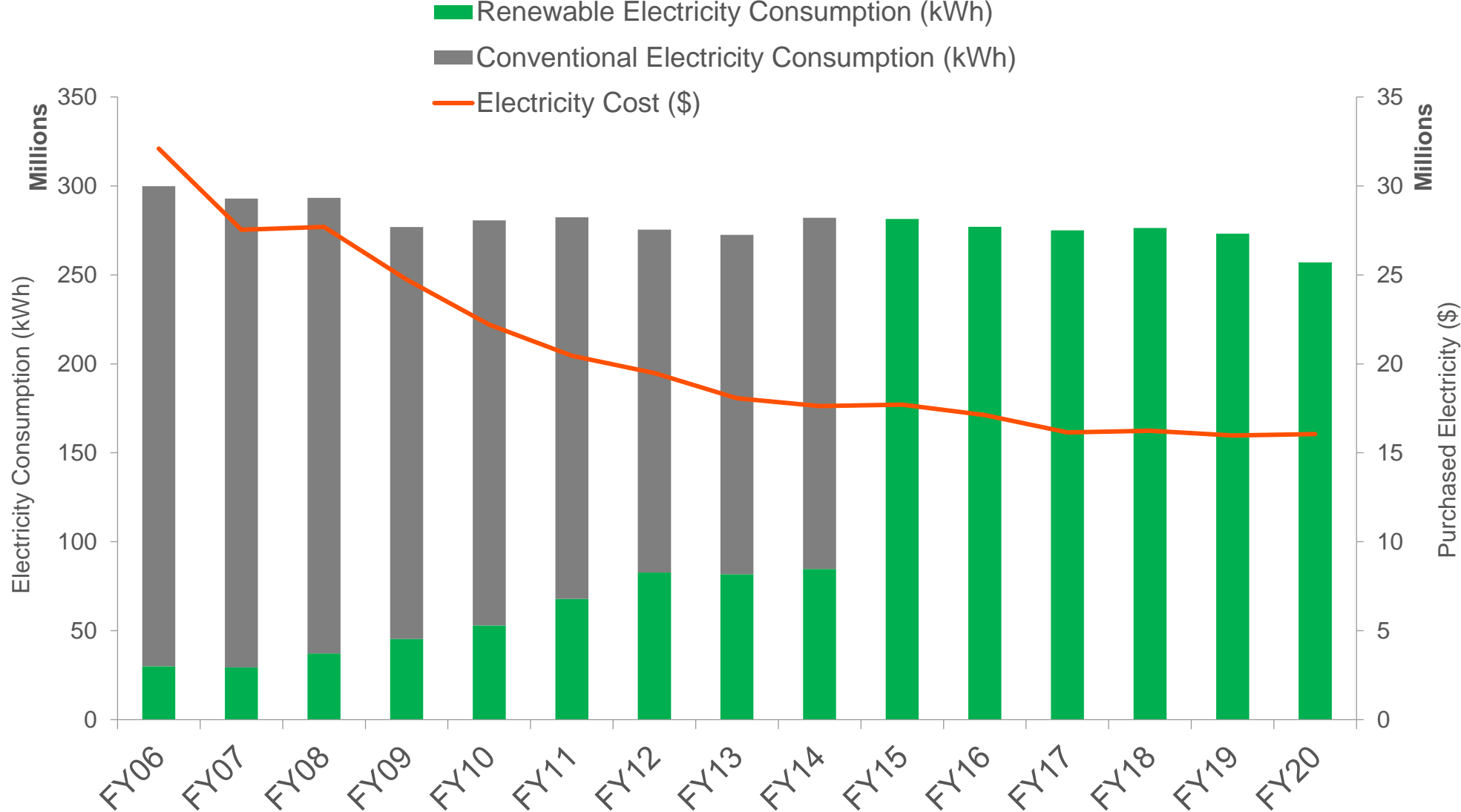
Total Consumption

+73%

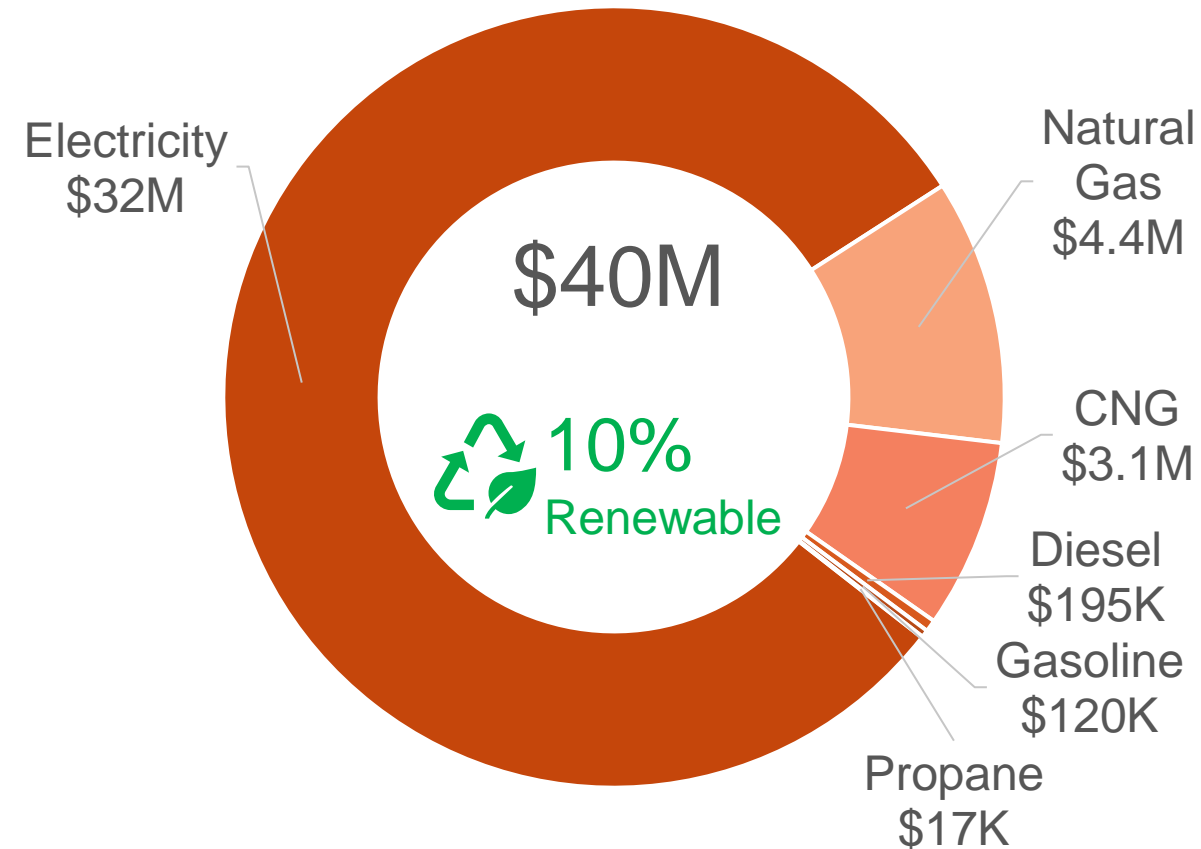
Renewables

NOTE: Includes electricity, transportation fuels, heating fuels, and fire training fuels

Electricity Cost and Consumption Trends



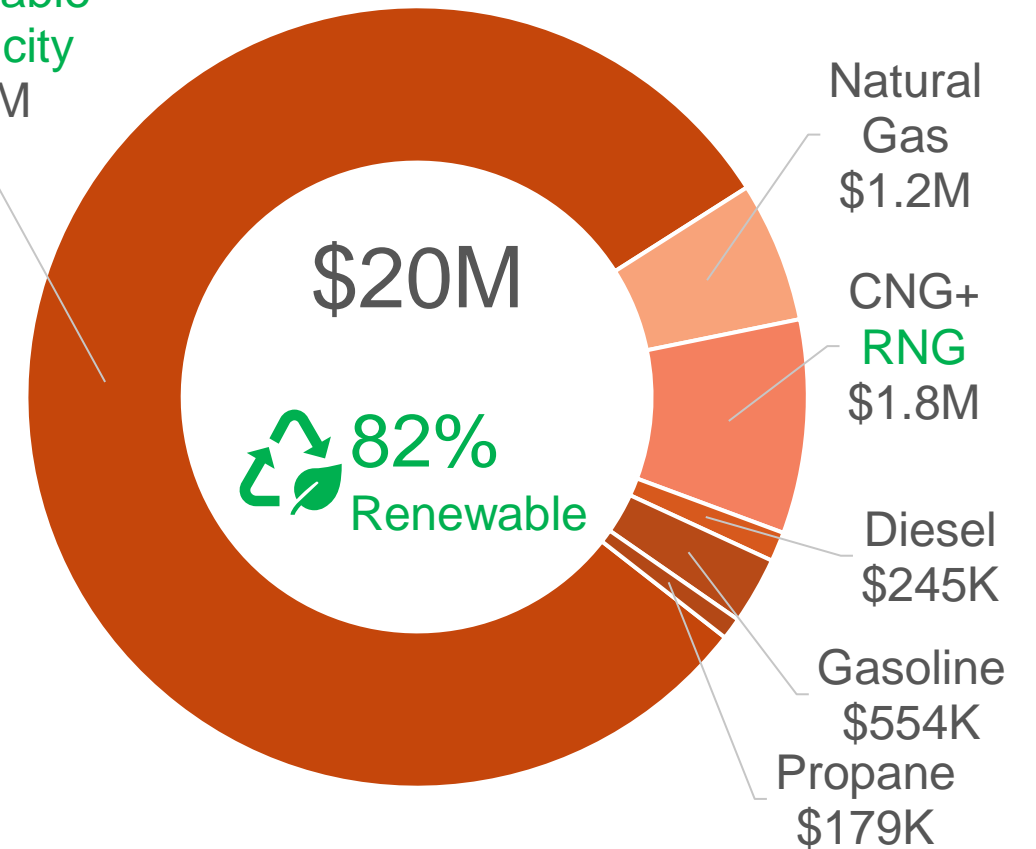
DFW Energy Cost



FY2006

60.3M passengers

Renewable
Electricity
\$16M

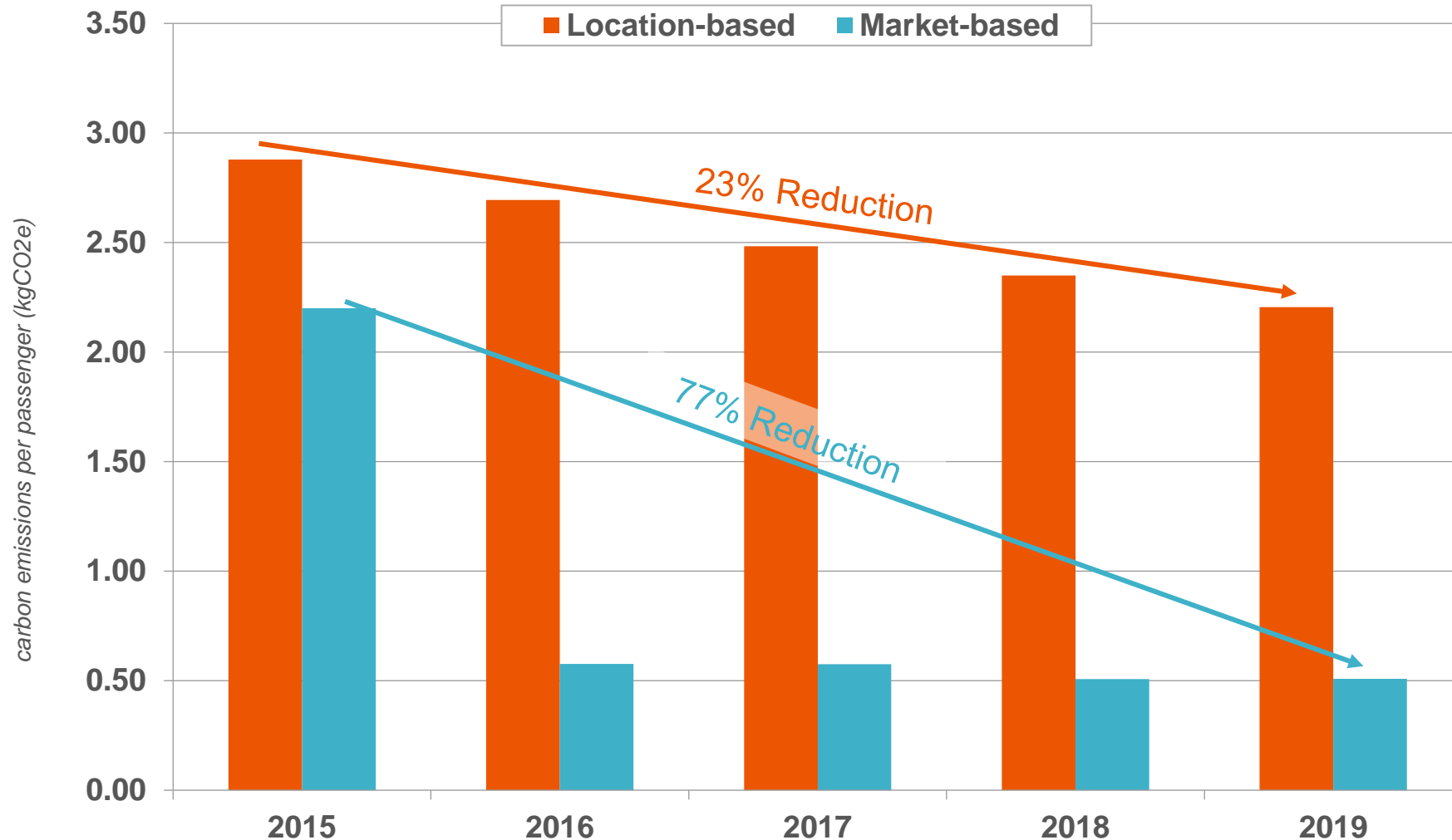


FY2020

47.4M passengers

Carbon Emissions Reductions

Key Performance Indicator - Emissions per passenger



Alternative Fuel Fleet



Thermal Energy Storage



100% Renewable Electricity



Energy Efficiency



Terminal Dynamic Glass



TGI Fridays



Terminal D Duty Free



Gate A28



Green Building Standards

Dynamic Glass at new DFW Integrated Operations Center



airport
carbon
accredited
TRANSITION








Airport Carbon Accreditation Level 4+



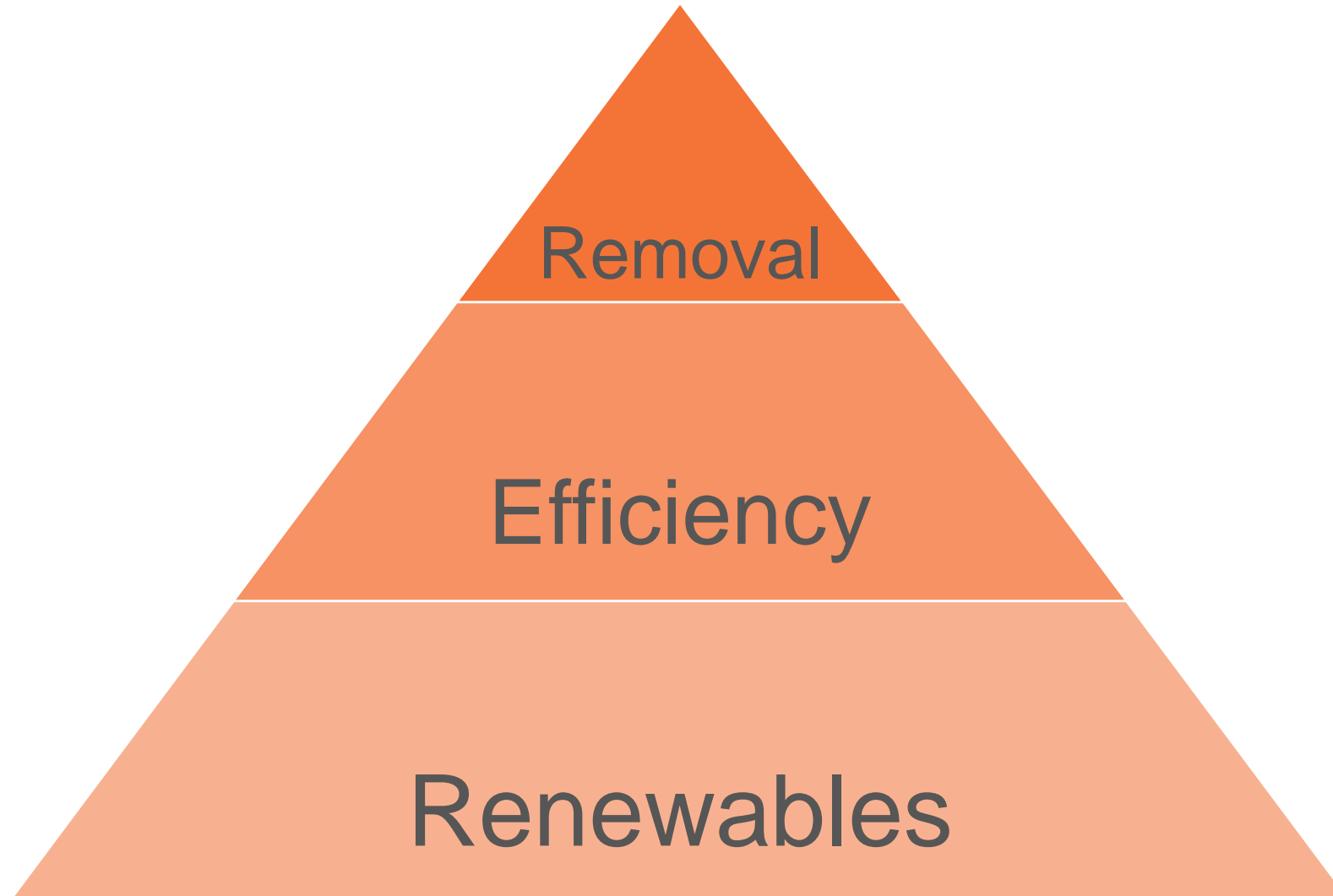
DFW

Globally Accredited Airports

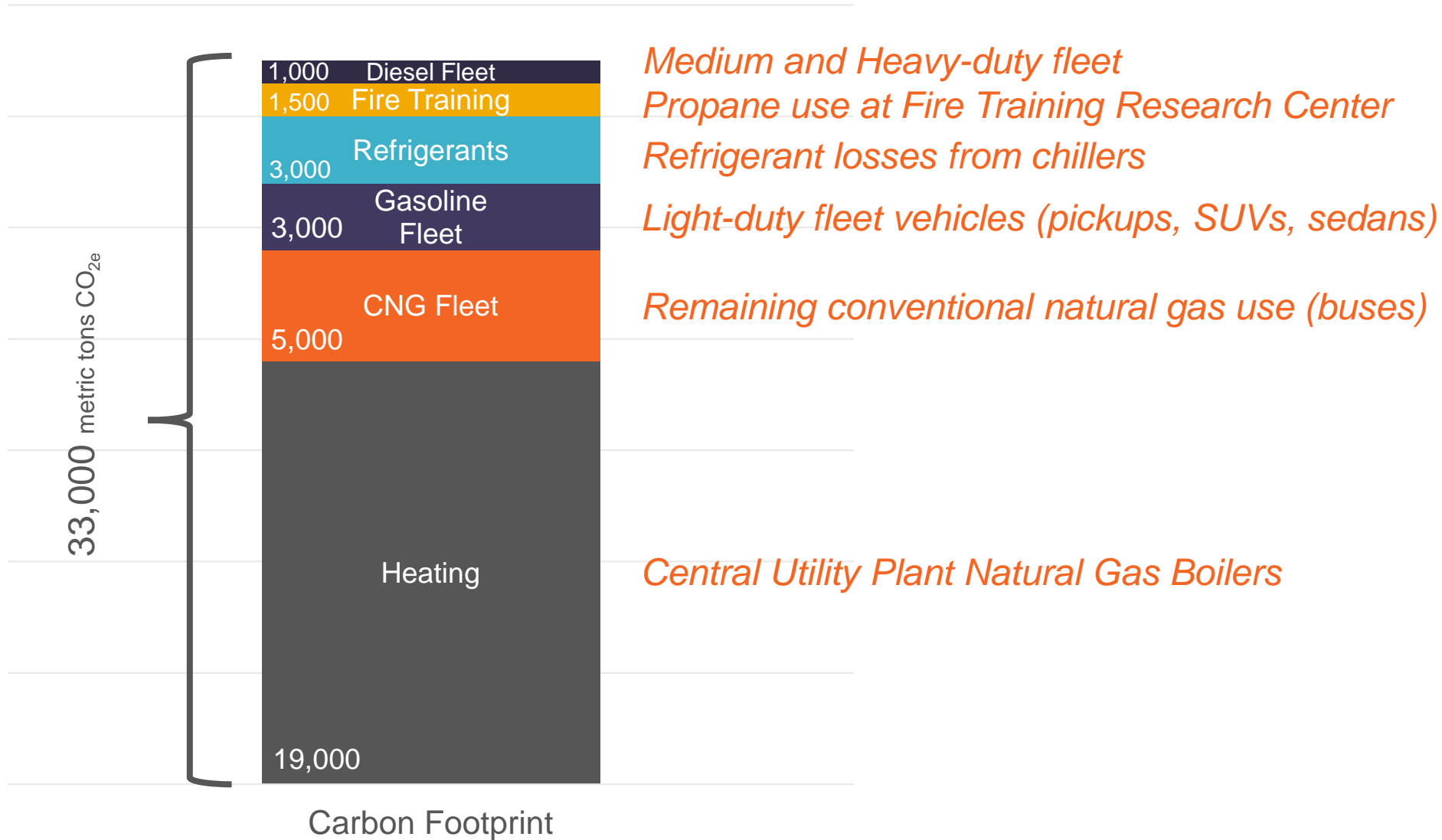


1	Mapping		111 Airports
2	Reduction		95 Airports
3	Optimisation		63 Airports
3+	Neutrality		62 Airports
4	Transformation		CHC
4+	Transition		DFW, DEL
5	Net Zero		Future level

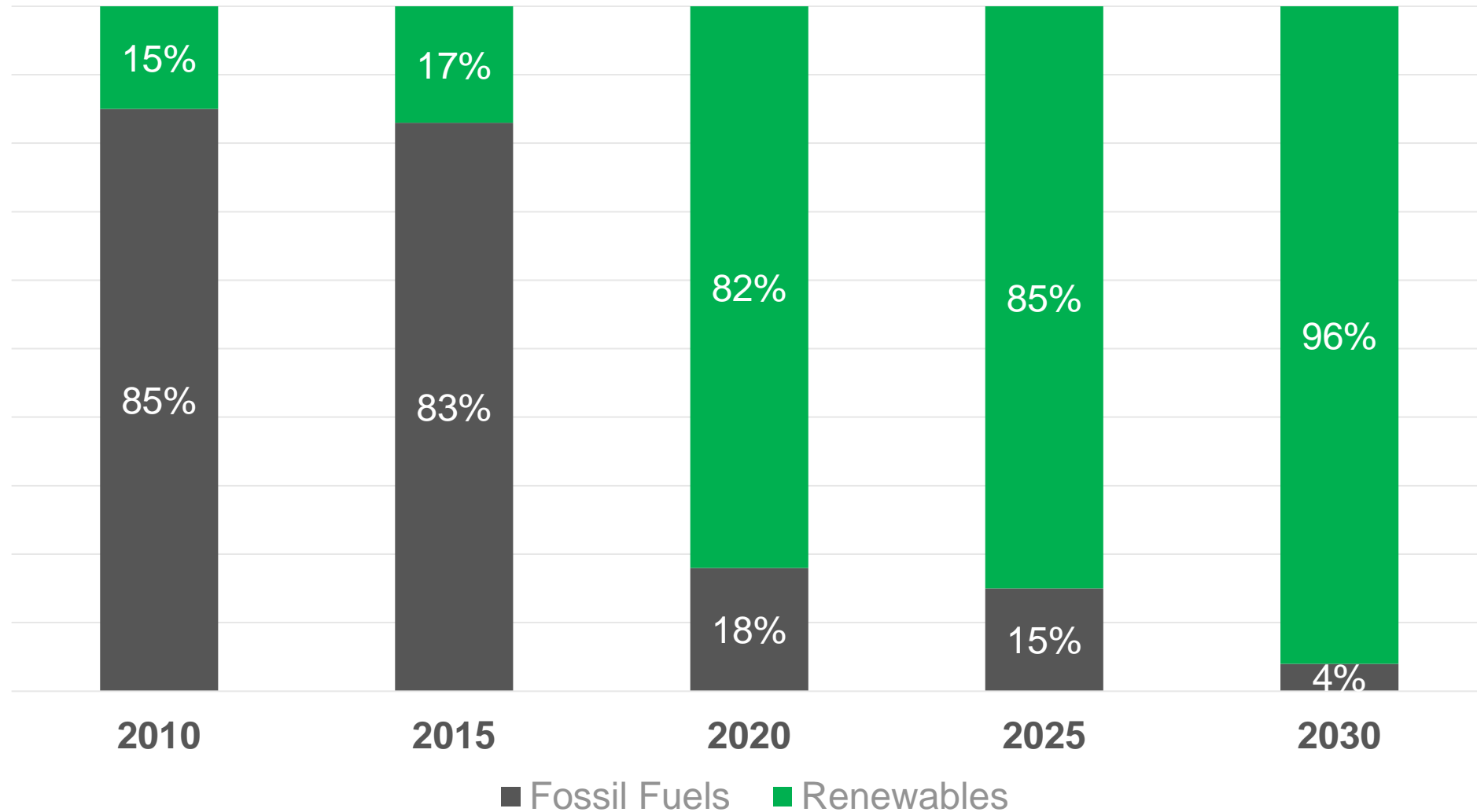
Decarbonization Strategy



2020 Carbon Footprint



Transition to Renewables





SDG 13: Take urgent action to combat climate change and its impacts

- Continuously improving **energy efficiency**
- Reducing the carbon footprint and setting **ambitious emissions reductions targets in line with climate science**
- Scaling up investment in the development of **innovative low-carbon products and services**
- Build **resilience** in operations, supply chains and the communities in which they operate



U.S. DEPARTMENT OF
ENERGY





Thank You