



DEN SUSTAINABILITY OVERVIEW ADS MODERNIZATION CONTRACT

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100 MILLION ANNUAL PASSENGERS

- SUSTAINABILITY & RESILIENCY • EQUITY, DIVERSITY & INCLUSION
- CONTINUOUS STAKEHOLDER INPUT/FEEDBACK • ENHANCING THE CUSTOMER EXPERIENCE

PILLAR 1



**POWERING
OUR PEOPLE**

PILLAR 2



**GROWING OUR
INFRASTRUCTURE**

PILLAR 3



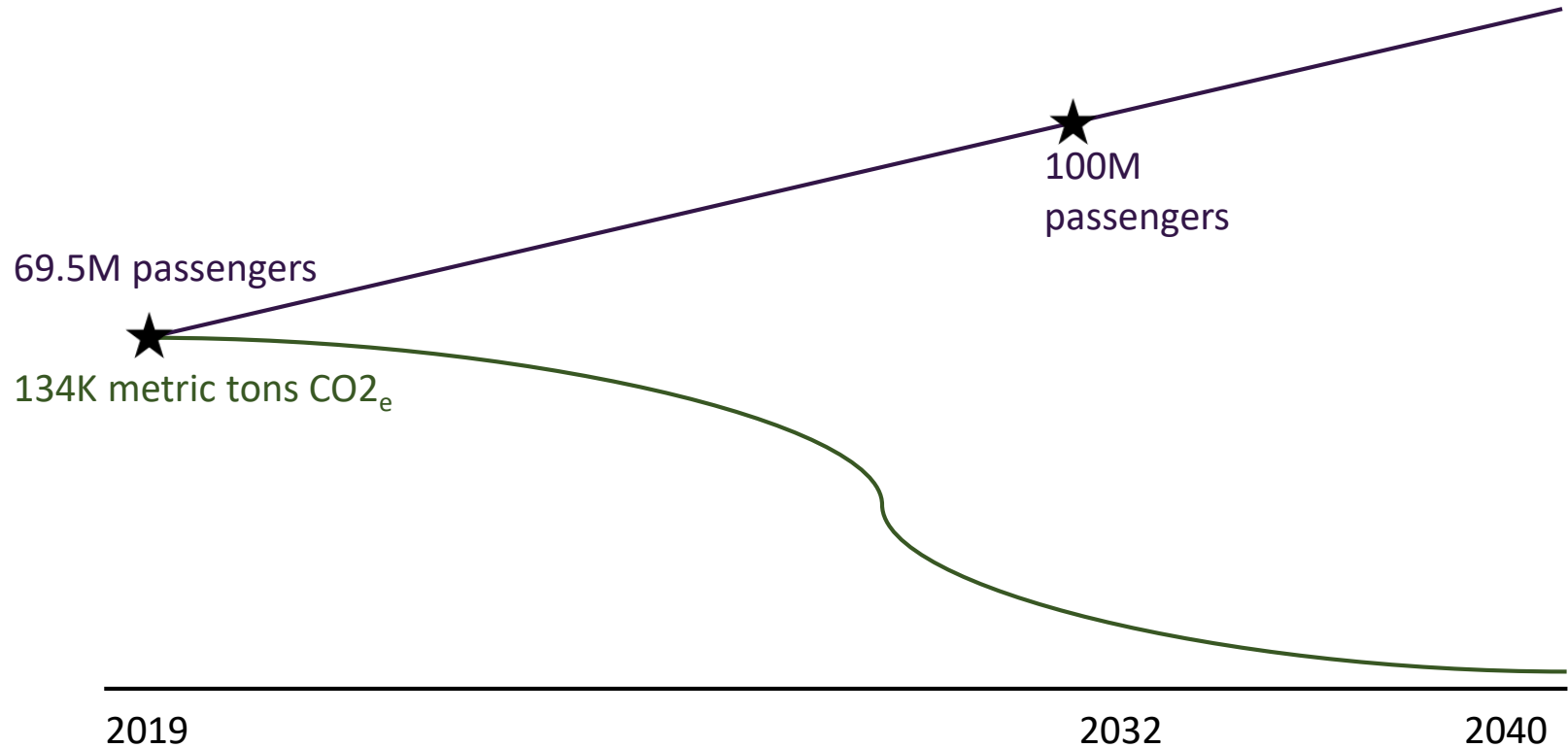
**MAINTAINING
WHAT WE HAVE**

PILLAR 4



**EXPANDING OUR
GLOBAL CONNECTIONS**

DECOUPLING GROWTH FROM IMPACTS



ENVIRONMENTAL MANAGEMENT SYSTEM



- First commercial service airport in United States with ISO-14001 certified Environmental Management System (EMS) covering all operations
- 100+ documents that proactively anticipate and plan for potential environmental issues
- Gold Leader within the State of Colorado's Environmental Leadership Program



Denver International Airport (DEN) is dedicated to working with our partners to promote strong environmental performance. Our organization and employees are committed to business practices, policies, actions, and programs that enhance our performance by:

- *Protecting the environment*
- *Conserving energy and natural resources*
- *Preventing pollution*
- *Meeting or exceeding all compliance obligations and voluntary commitments*
- *Continually improving the Environmental Management System (EMS)*

This policy shall be communicated to all employees, individuals working on behalf of or under the direction of DEN, and business partners operating on airport premises. Each is accountable for following this policy and reporting any environmental, health, or safety concerns to DEN management.

GREEN BUILDING



- All DEN projects are designed and constructed to the Leadership in Energy and Environmental Design (LEED) Gold standard
- DEN currently has five LEED-certified facilities, including the world's only LEED Platinum on-airport hotel
- The Great Hall and Concourse Expansion projects are all tracking LEED Gold



WASTE DIVERSION

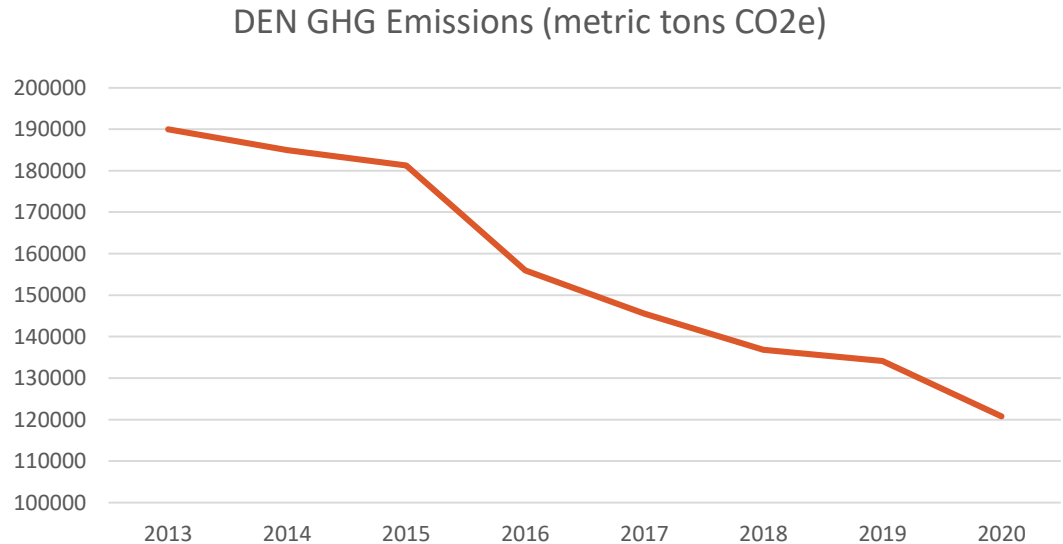
- Airport-wide recycling, composting, and donation programs (food, abandoned luggage, child car seats)
- Liquid dumping available before security with water bottle filling stations available post-security
- Diversion rates have increased significantly in the past 15 years but still trail other parts of the country



GREENHOUSE GAS EMISSIONS (GHG)



- DEN GHG emissions have declined significantly despite passenger increases
- Planning to establish a science-based GHG target to align DEN goals with international standards
- Focus on energy efficiency, renewable energy, and the decarbonization of electric grid



ENERGY PERFORMANCE CONTRACTING (EPC)



- Two-year comprehensive audit of energy and water savings opportunities
- Guaranteed utility savings will pay off project on cost-neutral annual basis
- Contracts will come to City Council in Q1 2022

Energy Usage

2017 Baseline: 1,094,707,000 kbtu

BASELINE

20% Reduction
Goal by 2025: 218,941,000 kbtu

GOAL

Project Reduction: 217,335,000 kbtu

99% of Goal
Achieved

GHG Emissions

2017 Baseline: 157,000 metric tons

BASELINE

33% Reduction
Goal by 2027: 47,100 metric tons

GOAL

Project Reduction: 30,476 metric tons

65% of Goal
Achieved

Water Usage

2017 Baseline: 442,000 kgal

BASELINE

35% Reduction
Goal by 2035: 154,700 kgal

GOAL

Project Reduction: 123,300 kgal

80% of Goal
Achieved

- DEN has one of the largest renewable energy programs of any global airport
- Five behind-the-meter Power Purchase Agreements across 95 acres – 20% of DEN's annual electricity use
- Concourse expansion rooftop solar
- Community Solar Gardens
- Xcel Energy-owned solar canopy at DEN's Pena Station NEXT parking lot
- Xcel's Renewable*Connect program



ELECTRIC VEHICLE (EV) CHARGING



- More than 50 electric vehicle charging stations for passengers and employees
- Contract for eight stations at the commercial vehicle holding lot for ride-share drivers will come to Council in Q1 2022
- EV Charging Master Plan to be completed in 2022 – focused on employees, passengers, fleet, buses, rental cars, and airline ground support equipment



- DEN was selected by Xcel Energy to host a renewable energy and battery storage microgrid through their Community Resiliency Initiative pilot project
- A 2-megawatt/3 megawatt-hour battery energy storage system powered by DEN's new solar project will provide backup power and improve power quality to the inter-concourse train
- Xcel is responsible for the full costs of system design, construction, operations, and maintenance
- Project will serve as a model to evaluate other critical loads on DEN's campus and plan for Xcel's future "resiliency as a service" offerings

AIRCRAFT DEICING SYSTEM (ADS) CONTRACT



Deicing Pads

- Centralized, dedicated deicing pads – additional demand
- Deicing fluid distribution stations
- 2.3M gallons deicing fluid applied in 2019-20
- 74% collection rate



Glycol Recycling Facility

- >1% glycol stormwater is concentrated, distilled, and filtered to 99% glycol
- Recycled 1 million gallons of glycol in 2019-20
- Saves \$2M+ annually compared to processing stormwater as wastewater



Stormwater Ponds

- <1% glycol stormwater is sampled and discharged under DEN's Metro Wastewater permit
- Prevents glycol releases into the environment
- 78M gallon pond capacity

AIRCRAFT DEICING SYSTEM (ADS) CONTRACT



- DEN's glycol recycling equipment is beyond its life expectancy based on its time in service, loss of processing throughput, and recent equipment failures
- Current throughput is less than half of the original design, which increases regulatory risk from overflows or diversions that could release glycol into the environment
- DEN's new system will allow the recycled glycol to be certified as deicing fluid
 - Closed-loop system
 - Reduces environmental impacts
 - Localizes and strengthens the supply chain
 - May reduce costs for airlines operating at DEN
- DEN will pay off the project costs over 15 years, with construction scheduled to begin in Q1 2022

AIRCRAFT DEICING SYSTEM (ADS) CONTRACT



- Selected Contractor: Inland Technologies International, Limited (Inland) through competitive RFP
 - Two proposers due to niche technical market
- Duration: 15 years from the Date of Execution
 - Current ADS contract began in 2014, Inland has been DEN's partner since 2004
 - DEN retains flexibility to renegotiate contract, purchase equipment, or demobilize Inland
- Amount: \$38,046,224
 - Contract structure preserves DEN's CIP capacity, reduces risk, and reduces annual management fee by >50% due to more efficient system
- WBE/MBE/DBE commitments: Inland has committed to 11% for Construction and 14% for Design
- Subcontractors include: PCL Construction Services, Murphy Company, LEI Companies, Iron Horse Architects, S. A. Miro, Corey Electrical Engineering