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Edmonton International Airport

On our way to net-zero by 2040



Bold commitments

- World's first airport to sign **The Climate Pledge led by Amazon.**
- Joined the **Net-zero Challenge** led by the Government of Canada.

Crucial partnerships

- World's **first airline/airport sustainability** agreement between AC and YEG.
- World's first airport to **partner with the IATA Environmental Assessment Program.**

Great success stories

- Host airport for the KLM long-haul entry in The Sustainable Flight Challenge.

Recognition

Two global awards for our leadership in sustainability

- Corporate Sustainability Award from The International Air Cargo Association (TIACA).
- Sustainability Award from Ground Handling International Magazine.

- Canada's 5th-busiest airport by passenger traffic
- Largest Canadian airport by land area (7000 + acres)
- Self-funded - not-for-profit
- All profits reinvested in airport
- Mandate to drive economic prosperity

2022

- 5.85M Passengers served in 2022
- 50+ non-stop destinations
- 52,000t of cargo moved

**Driving change and sustainability alone,
without great business partners, is simply not sustainable.**



Future of aviation

Using our Airport City Sustainability Campus ecosystem to pilot emerging technologies.

Airport City Sustainability Campus

- Technology incubator (nature-based solutions, cargo, logistics, solar farm)
- Generates revenues to reinvest in air service and drives regional economic impact.

SAF

- Canadian Council for Sustainable Aviation Fuels (C-SAF) founding member.
- Partnering with the University of Alberta on SAF research and development.
- Supporting dedicated flight initiatives of airlines like KLM and Air Canada.
- Developing partnerships with key players in the SAF industry, including SixRing.



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Hydrogen

- Our region produces over 60% of Canada's hydrogen.
- Multiple agreements and partnerships with national, local and global organizations, including the Japan Overseas Infrastructure Investment Corporation for Transport & Urban Development (JOIN).
- Positioning ourselves as a significant driver of hydrogen fuel demand, supporting the growth of the Edmonton Hydrogen Hub.
- Planned technology testing at YEG:
 - Hydrogen-powered shuttle buses and zero-emission cars for passenger transportation.
 - Development of hydrogen fueling stations for public use.
 - Conversion of industrial vehicles to hydrogen fuel.
 - Exploring the use of hydrogen fuel in aviation.



FE FUEL



Terminal & operations

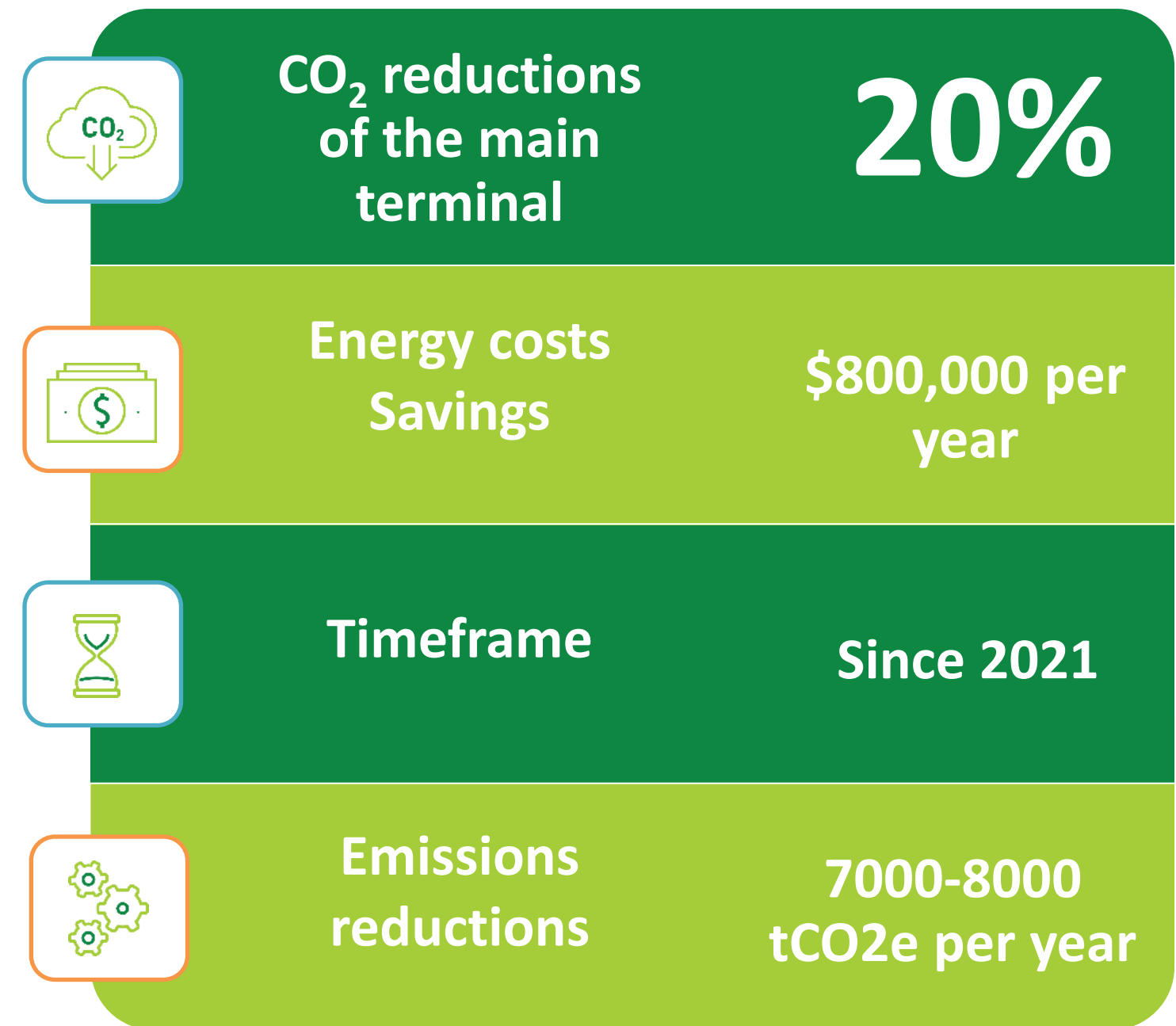
- LEED® Gold certification for the South Terminal Expansion and new central tower.
- \$12 million **natural gas cogeneration facility** on site that helps us to significantly lower carbon emissions and reduce costs.

International Cargo Hub:

- To become one of the greenest logistics parks in North America.
- Future home of **Airport City Solar**, the **world's largest solar farm at an airport** in partnership with **AlpinSun**
 - **120-megawatt** solar farm
 - offset of **106,000 tCO₂e** its first year of operation



CoGen plant in few figures



Thank You



ICAO

2023 STOCKTAKING



ICAO

ENVIRONMENT



2023 ICAO STOCKTAKING AND PRE-CAAF/3 POLICY AND FINANCE CONSULTATION



11 to 13 July 2023
Montréal, ICAO Headquarters