



ICAO



ICAO AVIATION CLIMATE WEEK 2026

MONTRÉAL, CANADA | 2 - 4 JUNE



INDUSTRY

SKYTALKS

Where Leaders Share,
Shape, and Inspire.



#SKYTALKS



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EDMONTON





About YEG

Airport City Sustainability Campus

Cluster of commercial aviation, real estate development, cargo and logistics, technology acceleration, entertainment, and social impact firms



Canada's 5th Busiest Airport by Passenger Volume



Canada's largest airport by landmass (7,000 acres – 28 km²)



Leveraging Alberta's significant advantages



YEG

EDMONTON
INTERNATIONAL
AIRPORT

AÉROPORT
INTERNATIONAL
D'EDMONTON

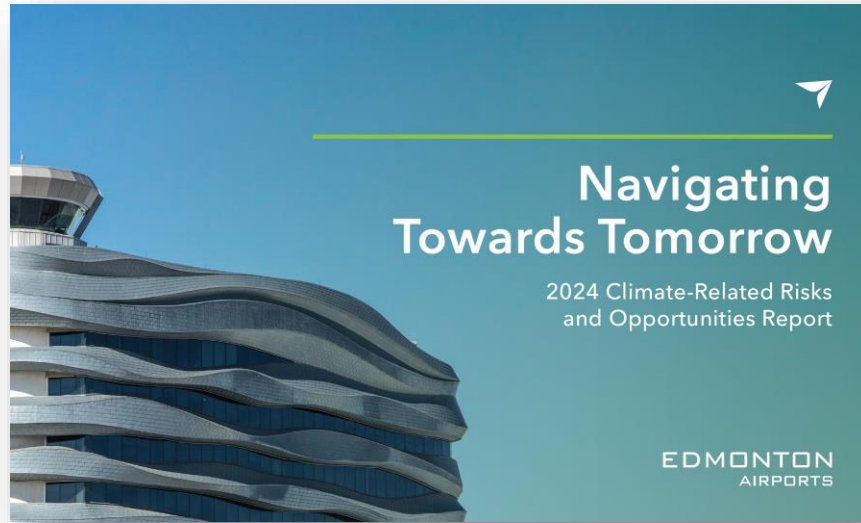
EA's ESG Ambition Framework

Creating shared value through ESG leadership and partnerships at the airport and in our communities.



Climate Resilience at Airports

Disclosure aligned with TCFD (Task Force on Climate-related Financial Disclosures)



2024 Climate-related risks report

—
September 2025



****NEW****
2025 Climate-related risks report

—
June 2026

Our Integration of TCFD

- Reflects ongoing commitment to transparency and accountability in sustainability reporting to align with the Government's of Canada's Net-Zero challenge and the TCFD recommendations
- Integration of TCFD's recommendations to identify and integrate climate related risks and opportunities into our corporate process

Where we were end of 2024

1 Assess Materiality of Climate-Related Risks

- Identify key climate-related risks & opportunities
- Assess likelihood and impact on infrastructure, operations, and reputation
- Identify existing mitigation measures in place



2 Identify Risk Drivers

- Assess risk drivers such as changing weather events and patterns, energy and emissions exposure, policy signals, SAF and hydrogen feasibility, industry net-zero expectations



Where we are now

3 Develop Scenario Analysis

- Select four scenarios based on relevance
- Conduct scenario analysis to assess climate risks and opportunities (RCPs and IEA)
- Evaluate potential high level effects on organizations under each scenario



4 Evaluate Business Impacts

- Analyze business and operational impacts of scenarios at the asset level
- Identify additional mitigation measures to be established
- Quantify potential financial implications

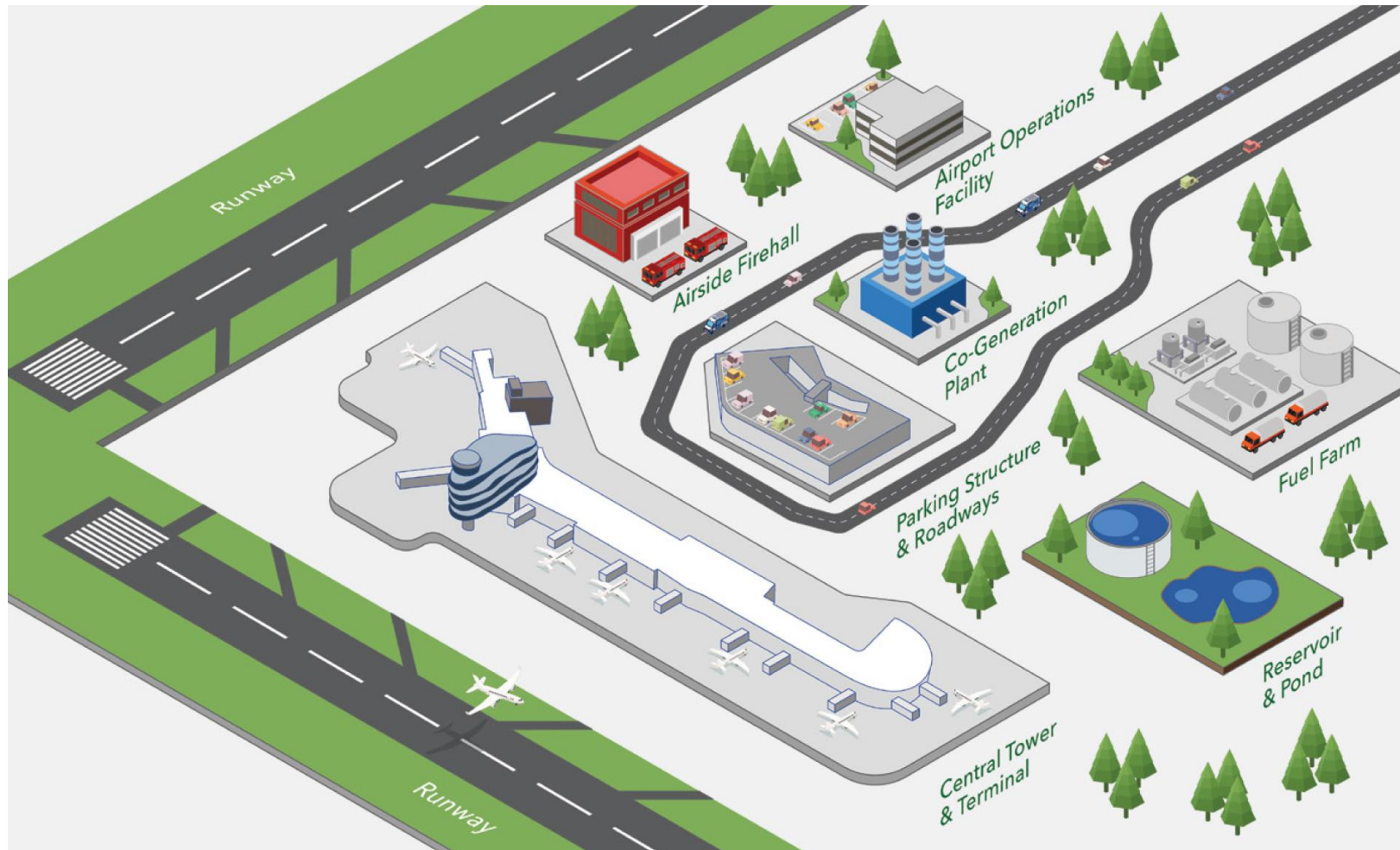


5 Integrate Financial Impacts

- Identify necessary adjustments to strategic and financial plans for capex, opex, and revenue

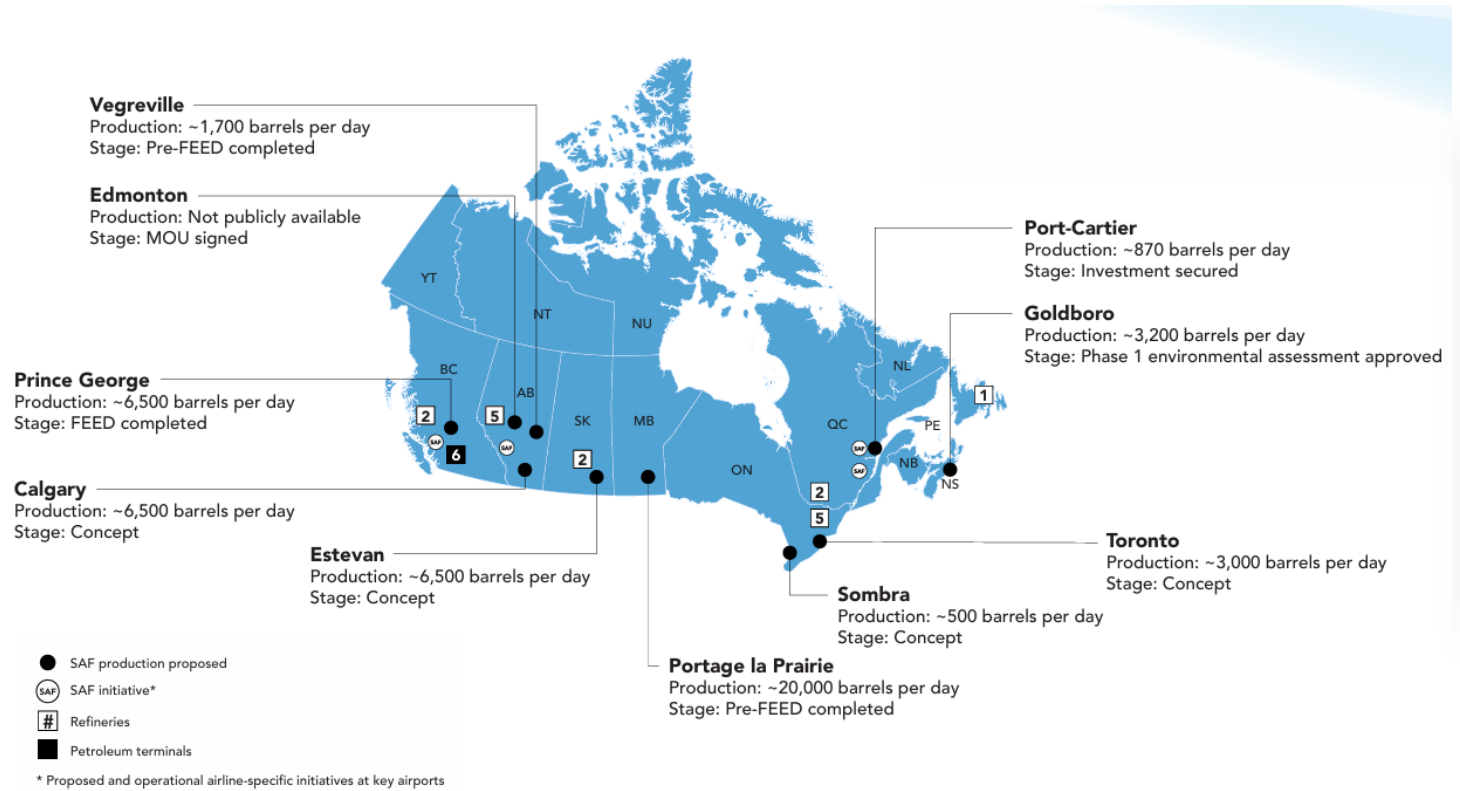


What's next for our climate-related analysis?



Whitepaper on Sustainable Aviation Fuel (SAF)

Exploring SAF potential in Canada and in Alberta

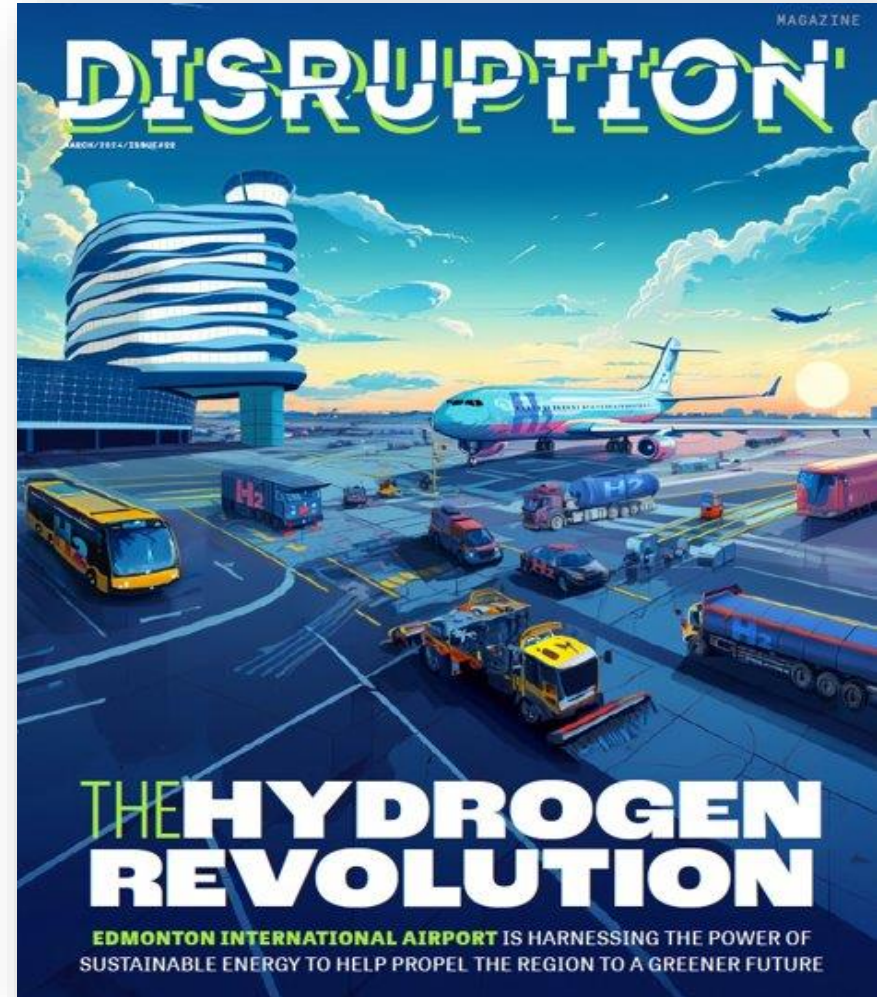


The Hydrogen Revolution: News from the YEG H₂ HUB

Edmonton is Canada's first hydrogen hub

Canadian Hydrogen **50-60%**
produced in Edmonton

What's new since June 2025?



2024

Expansion of our light duty fleet with 6 additional Toyota Mirais and 1 Hyundai Nexo



2023

Launch of our light-duty fleet with 6 Toyota Mirais

Temporary mobile fueler at our Airport Operations Facility



2024-2025

Exploring feasibility of H₂ production at our airport

June 2025

Edmonton Airports joins H2CanFly at the Paris AirShow, a pan-Canadian initiative advancing hydrogen-powered aviation technologies for commercial and defence applications, driving innovation, economic growth, and environmental stewardship.



April 2025

Launch of the industrial-vehicle H2 fuel conversion with DTI (Integration of the Guardian Hydrogen Diesel System on two of the airport's heavy-duty runway snow sweepers)



April 2026

YEG is testing the use of hydrogen alongside diesel in heavy-duty airside equipment. The project marks the first time this type of **dual-fuel application is being piloted in the world.**

Thank you

Feel free to connect!

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Thank You