

Environmental Sustainability



At Edmonton International Airport (YEG), Dedicated to Sustainability is one of our core values. All of our actions drive our mission to responsibly generate economic prosperity for our region through authentic environmental, social and governance (ESG) leadership. This includes being responsible stewards of the natural environment while meeting the Edmonton region's growing demand for air service.

Climate Pledge

- YEG became the first airport in the world to sign The Climate Pledge, an initiative led by Amazon, pledging to be carbon neutral by 2040
- Park a Car, Plant a Tree™
 - In partnership with Wild + Pine Sustainability, YEG is committed to purchasing 50,000 trees for initiatives that help to improve our environment

Sustainable Energy

- The world's largest airport-based solar farm is being developed in partnership with Alpin Sun on YEG's southwestern lands
 - 627 acres
 - Produce enough electricity to power the equivalent of approximately 28,000 homes
 - Offset approximately 106,000 tonnes of CO2 emissions annually
- Multiple hydrogen-related agreements have been signed with global companies to use our airport as a testing location for delivering zero-emission flights, decarbonizing ground operations, developing hydrogen fueling stations and converting industrial vehicles to hydrogen fuel
 - Some examples of the technology that is planned for testing include:
 - Hydrogen-powered shuttle buses for passengers
 - Industrial-vehicle hydrogen fuel conversions
 - Developing hydrogen fueling stations for public access
 - Further exploration of using hydrogen fuel in aviation, including developing hydrogen infrastructure



- YEG's CoGeneration Facility provides heat and power to the terminal building
 - o Reduced Scope 1 and 2 carbon footprint by 20 per cent and saved over \$3 million in utility costs
- Canada's first airport to begin regularly scheduled drone delivery operations in a controlled airspace
- YEG was the first airport terminal in Canada to receive LEED® Gold certification. Our central tower has also received LEED® Gold certification.
 - o Reduced the energy intensity of our terminal by almost 50 per cent while doubling the size of the building

Interesting Facts

We have installed over 18,200 LED bulbs in our terminal since the start of the LED Replacement Program

Our two-storey 'Living Wall' is home to over 8,000 plants and made of 100% recycled materials



Airport City Sustainability Campus

- YEG's Airport City Sustainability Campus is a hub of leading and emerging technologies from all sectors focused on decarbonization.
- More than 30 companies at YEG's campus are creating over 300 jobs and stimulating millions in economic development for the region.

Partnerships

- YEG was the host airport for KLM's long-haul entry in The Sustainable Flight Challenge, presented by SkyTeam, in 2022. KLM's Flight 675 non-stop to Amsterdam from YEG was chosen based on our commitment to ESG best practices
- YEG and Air Canada signed the world's first sustainability agreement between an airline and an airport. The YEG-Air Canada Sustainability Partnership focuses on initiatives that promote a cleaner environment
- YEG works with our on-site glycol recycling partners to recycle and reuse 46 per cent of the de-icing fluid (1.7 million litres)
- World's first airport to join the International Air Transport Association's Assessment Environmental Program (IEnvA) to help determine sustainability standards for airports and develop guidance material
- One of the first airports to join the The International Air Cargo Association (TIACA) BlueSky program, a tool for the air cargo industry to use to track their sustainability progress, benchmark against peers and accelerate the industry's transformation
- YEG is a member of the International Airport Carbon Accreditation program and has twice received level 1 certification. This means YEG has mapped and studied its carbon emissions to help determine future priorities for action
- YEG supported Absolute Combustion in developing and testing airplane heaters that use 50 per cent less energy and produce 50 per cent fewer emissions compared to existing units

LEARN MORE ABOUT WHAT YEG IS DOING TO ENSURE ENVIRONMENTAL SUSTAINABILITY AT [FLYEIA.COM/ESG](https://flyeia.com/esg)