



Transport Canada Update to the ASCENT Advisory Board

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Purpose

Update on Government of Canada's priorities and Transport Canada's activities related to aviation research.





Pan-Canadian Framework on Clean Growth and Climate Change

- Announced in December 2016:
 - 4 pillars: pricing carbon pollution, reduction of emissions across the economy, adaptation and climate resilience, clean technology, innovation and jobs
- Reduction of GHG emissions by 30% below 2005 emission levels by 2030
- Central piece is carbon pricing
 - Federal carbon tax on fuels came into effect on April 1, 2019
 - 2019: \$20 per ton CO₂
 - 2022: \$50 per ton CO₂



Transport Canada Activities

- Release of the 2016 Canada's Action Plan to Reduce GHG Emissions from Aviation in December 2017:
 - Aspirational goal to improve fuel efficiency by 2% annual average until 2020 from 2005 baseline
- Clean environment and programs
 - Build in Canada Innovation Program – Challenges Initiative
 - Pre-qualified innovation for testing
 - Own specific challenge project
 - Impact Canada Initiative
 - Alternative jet fuel challenge
- Development of new contribution agreement with the FAA to support research by ASCENT – 5 years



The Sky's the Limit Challenge

- Consists of two competitions to develop new, lower-cost ways to produce biojet fuel in Canada and support the creation of a Canadian supply chain
 - Green Aviation Fuels Innovation Competition
 - \$2 million awarded to four applicants to put their plan into action and compete for the grand prize
 - Call for proposals deadline: February 1, 2019
 - Four finalists announced: By May 31, 2019
 - \$5 million grand prize awarded to the team that will develop the best made-in-Canada biojet fuel
 - Cross-Canada Flight Competition
 - \$1 million awarded to first producer to provide the fuel required to complete the first cross-Canada flight using a minimum 10% blend of made-in-Canada biojet fuel
 - Competition begins: March 1, 2019
 - Competition closes: January 1, 2021



National Activities

- Harbour Air all electric seaplane:
 - DHC-2 Beaver
 - 750 hp magniX motor
 - 30 minutes flight time + 30 minutes reserve
 - First flight tests in late 2019



Source: *Forbes.com*

Questions ?

