



# 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.





# Transport Canada Activities

- Development of new umbrella agreement between Transport Canada and the FAA that defines the collaboration between the two agencies
- Replaces the Volpe-Jamieson agreement in place since 1970
- Each collaborative R&D activity like ASCENT is covered by an Annex that contains the specific details of each activity



# Recent Announcements

- Creation of an independent advisory board in February 2021
  - Net-Zero Emissions by 2050
- Joint Statement by Transport Canada and the U.S. Department of Transportation in February 2021
  - ...we are committed to reinvigorate our bilateral cooperation to fight climate change and limit the environmental impacts from our transportation networks—on land, air and sea.



# Recent Announcements

- 2021-2022 Federal Budget:
  - 2050 net-zero pathway by committing to buy low-carbon fuels for use in the federal domestic air and marine fleets.
- April 2021 Biden Climate Summit
  - PM Trudeau said Canada will reduce emissions by 40 to 45 per cent below 2005 levels by 2030
- September 2021 Electoral Campaign in Canada
  - PM Trudeau said emissions from oil and gas production to be net-zero by 2050



# The Sky's the Limit Challenge

## 1. Green Aviation Fuels Innovation Competition

- \$2 million awarded to four applicants to put their plan into action and compete for the grand prize
  - Four finalists announced on May 31, 2019:
    - Carbon Engineering
    - Enerkem
    - Forge Hydrocarbons
    - SAF+ Consortium
  - Next step: submission of 10 liters (2.6 USG) of biojet fuel by ~~November 1, 2020~~ **August 1, 2021**
  - Samples currently under evaluation at Natural Resources Canada
- ~~March 31, 2021~~ **Spring 2022**, \$5 million grand prize awarded to the team that will develop the best made-in-Canada biojet fuel



# Other National Activities

- Harbour Air all electric seaplane:
  - Development continues
    - New battery supplier
  - Transport Canada certification by 2023
    - Carry passengers



Source: Harbour Air

# Questions ?

