



# Flying Green: Airline Perspectives on Biofuels

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# GHG Action Plan



## → Canada's GHG Action Plan to Reduce Aviation Emissions

- Builds on the world's first voluntary plan released in 2005
- Signed June 6<sup>th</sup>, 2012
- Multi-lateral voluntary plan with stakeholders from across commercial aviation
  - National Airlines Council of Canada
  - Air Transport Association of Canada
  - Canadian Business Aviation Association
  - Canada Airports Council
  - Aerospace Industries Association of Canada
  - NavCanada
  - Transport Canada
- Period: 2012-2020



# GHG Action Plan



## → Pledge

- 2% efficiency improvement year-over-year  
Measured in litres consumed per 100 Revenue Tonne  
Kilometers
  - Carbon Neutral Growth from 2020  
Demand projection: 150M litres of biofuel by 2020  
(Source: NACC)
  - 50% reductions in emissions by 2050 when compared  
to 2005
- Canadian emissions reductions measures are  
consistent with proposed ICAO Global Sectoral  
Approach



# Gaps in the Value Chain

- Globally-accepted sustainability criteria
  - Harmonized qualification standards
- Canadian value chain
  - Identification of Canadian feedstock that assures economically sustainable yields in Canadian climatic conditions
  - Development of Canadian conversion technology that maximizes efficiency
  - National production capability
- Pricing at parity with petroleum jet kerosene



AIR CANADA

C-GBHM

BIOFUEL  
BIOCARBURA

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NO SMOKING  
CONSOLIDATED  
AVIATION SERVICES

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FLAMMABLE

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JETA

WINSON  
EQUIPMENT OF TORONTO INTERNATIONAL