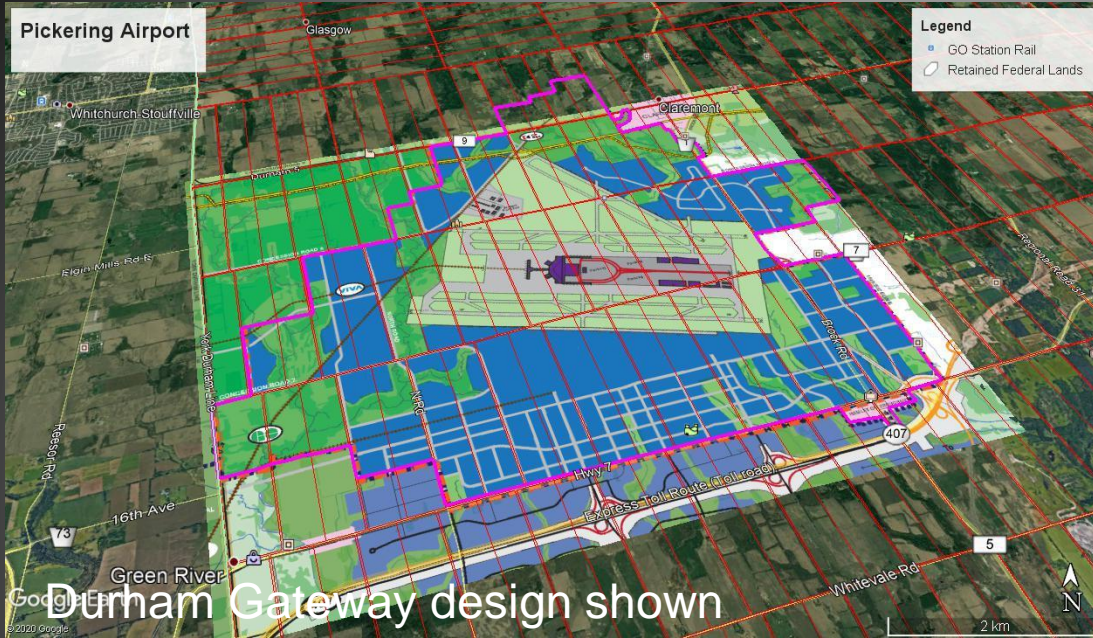


# We need Pickering Airport Now!



Mark Brooks,  
Buttonville Flying Club, (COPA Flight 44)  
Friends of Pickering Airport

PickeringAirport.org

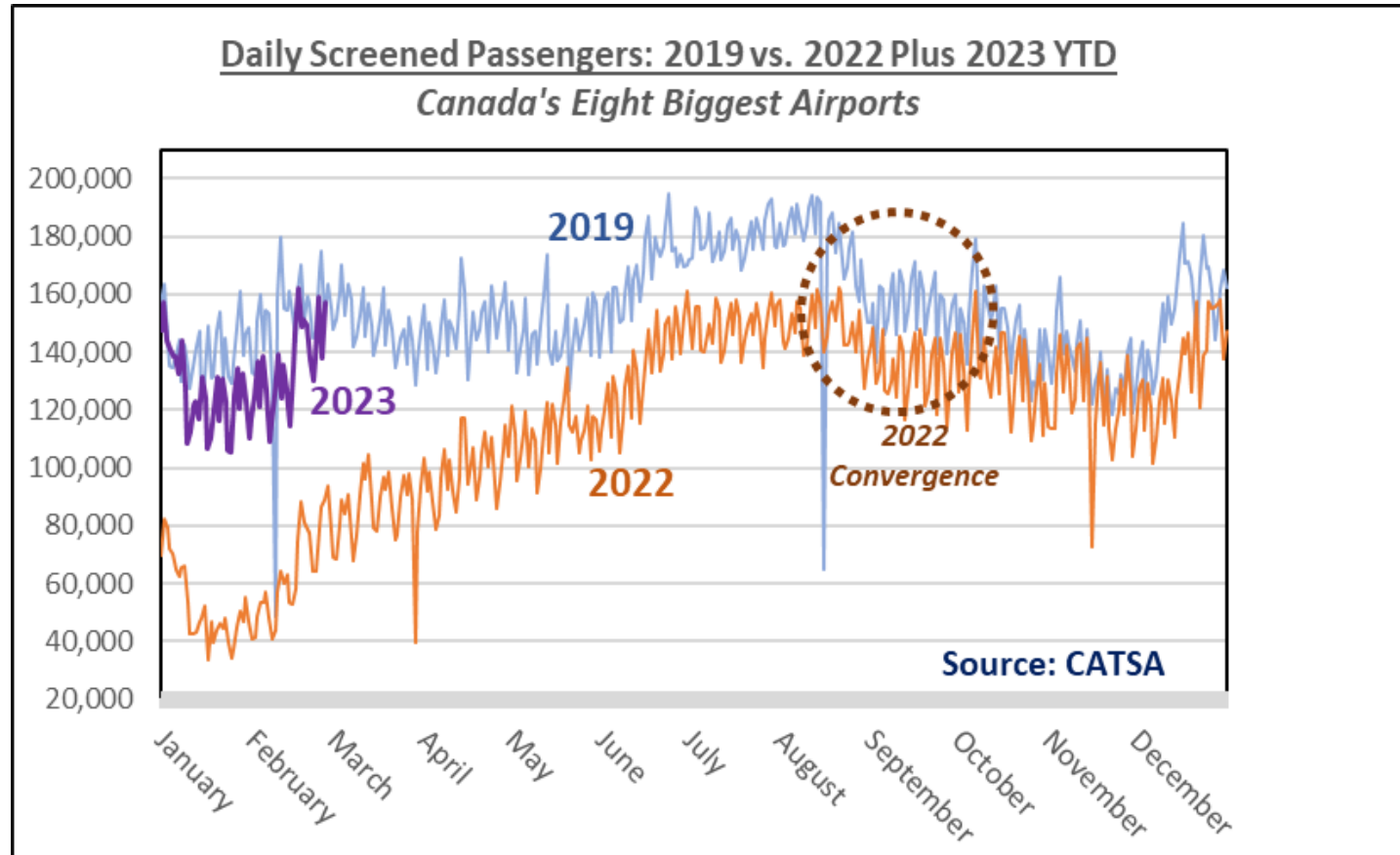
# Pickering Airport Needed Now to Avoid Travel and Economic Mayhem

- ▶ Aviation is the cornerstone of a worldwide free market global “Capitalist” economy
  - By value, 1 / 3 of all goods and services move by air and growing.
- ▶ Aviation has recovered from COVID.
- ▶ Aviation has a net zero carbon future and will continue to grow (ICAO, IATA)
- ▶ Flights in GTA, (passenger and utility), will double in 20 years (assuming 3.2% CAGR). Growth is above national average.
- ▶ **Pearson is already enforcing capacity restrictions:**
  - Runway slots now required
  - Planning Passenger aircraft and Total passenger number cap during peak periods.

# Canadian Aviation Growth Is Resilient

*Growth is recovering from COVID and climbing!*

2023 Forecasts: IATA 102%, ICAO 103% of 2019.



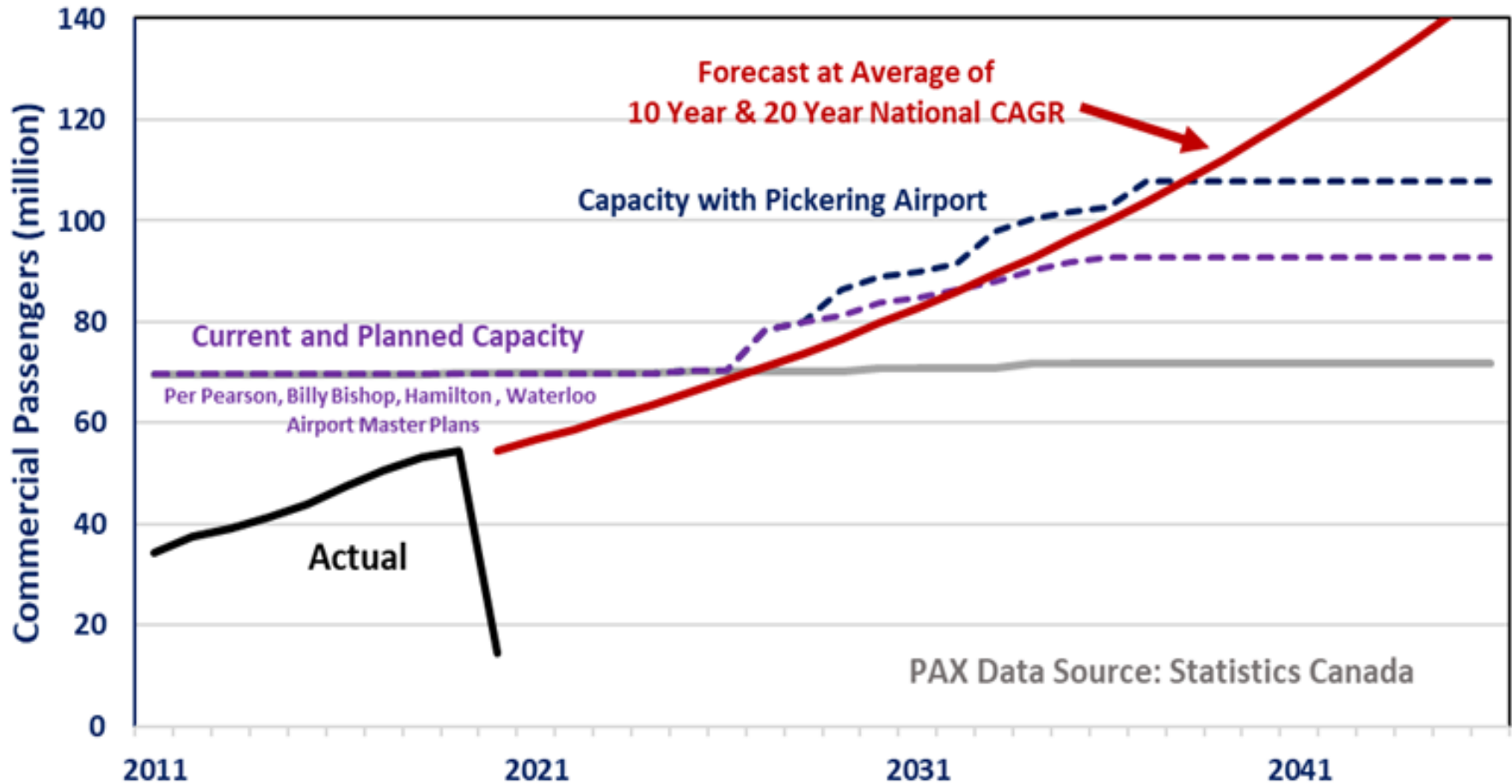
CATSA (Canadian Air Transport Security Authority)



# Mayhem by 2029 without Pickering

## Aviation in Canada is Resilient

GTHA Passenger-Capacity Forecast @ National CAGR Rates



# Increased aviation capacity needed now for a prosperous sustainable Net Zero future

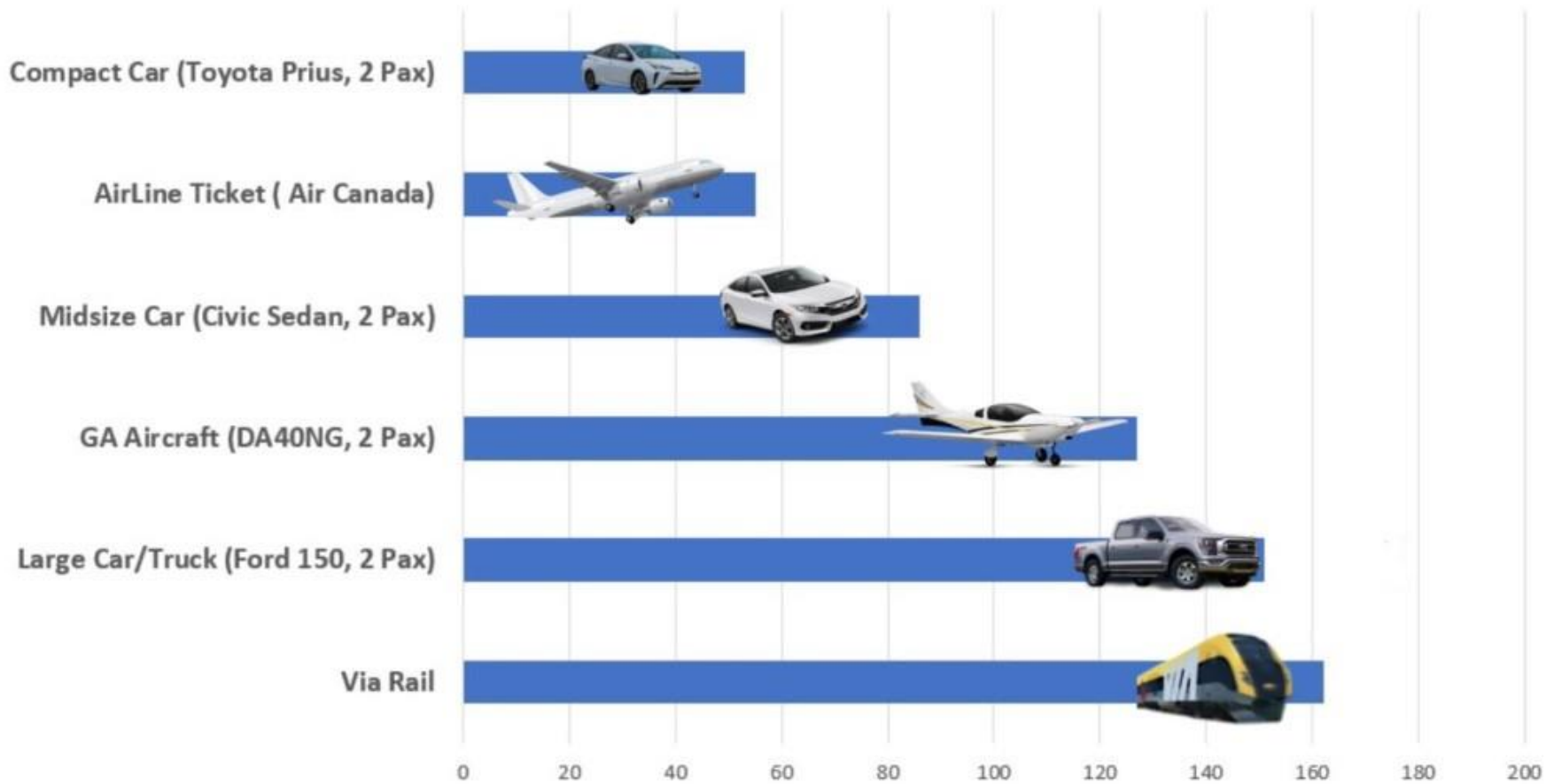
- ▶ Airports = economic engines.
- ▶ Eastern Toronto is North Americas fastest growing region.
- ▶ Aviation will continue to grow (ICAO, IATA).
- ▶ local accessible airport infrastructure reduces congestion.
- ▶ Airports will be ***Net Zero*** thanks to ACI Airport Carbon Accreditation Program.
  - ***51% of Canadian Airport commercial passenger processing (curb to gate) is now Net Zero.***
- ▶ Aircraft will be ***Net Zero*** thanks to new SAF fuels.
- ▶ New airport will Improved safety and capacity for General, Utility and Business Aviation to augment Oshawa and replace Buttonville.
- ▶ Will provide room for Industrial, Passenger, Cargo capability.

# Travel by Air is Carbon Efficient

Infrastructure Paradox:

New airports decrease congestion and reduce emissions

Toronto to Vancouver- Grams of CO<sub>2</sub>/km per Passenger

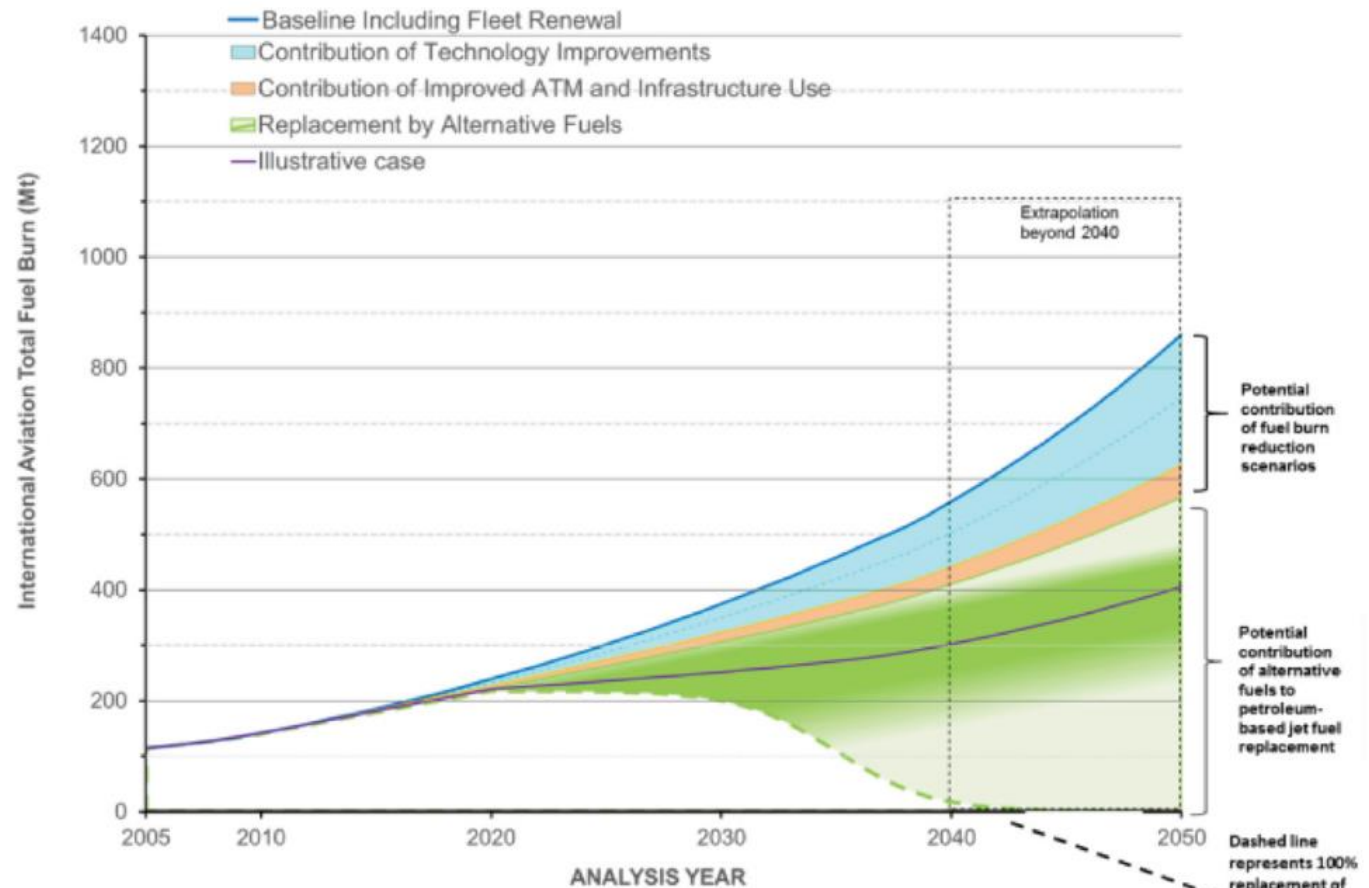


# Pickering Airport Will Be Carbon Neutral

Improved Airport infrastructure is part of ICAO's Net Zero Carbon Strategy

Airports Net Zero (51 % now!)

Flights Net Zero with SAF



\*Illustrative case would require high availability of bioenergy feedstocks, the production of which is significantly incentivized by price or other policy mechanisms

\*\* 100% replacement of alternative jet fuel would require a complete shift in aviation from petroleum refining to biofuel production and a substantial expansion of the agricultural sector, both of which would require substantial policy support

Note: alternative fuels scenarios were modeled for 2020 and 2050; the evolution between those dates was represented using a linear function for the illustrative case and an arbitrary S-shaped function for the full jet fuel replacement scenario

# The Time to Move Forward is Now

- ▶ The completed studies inform the Government on how and when to proceed (Pre-COVID reports).
  - 2015 – Government releases “*Consultations on the Development of Pickering Lands*” report by Dr. Gary Polonski.
  - March 5, 2020 – Government releases “*The Pickering Lands Aviation Sector Analysis*”(ASA) report by KPMG, WSP.
  - ASA concludes it is prudent to build a Utility/Speciality passenger Airport as Phase 1 even if preconditions enabling a delay are met (Page 334)
- ▶ It will take up to 8 – 10 years for Phase 1 to become fully operational.

Time to begin the RFP, First Nations consultations & Environmental update



# The ASA Report's Pax "... *not before 2036*" Comes with Conditions not in plan and that can not be met!

- ▶ Passengers at Pickering Airport can be *DELAYED* if investments made to:
  - Expand John C. Munro Hamilton International Airport to 22 million annual commercial passengers, and
  - Expand Region of Waterloo International Airport to 19 million annual commercial passengers.
- ▶ Waterloo has refused; Hamilton is silent. Pearson and Billy Bishop will need billions in federal incentives which have not been offered.
- ▶ Estimated Cost \$4+ Billion Tax payer dollars just to delay Pickering!
- ▶ **ASA Report states it is prudent to build Pickering Airport, opening 2028.**

# PickeringAirport.org

- ▶ More than 110 articles created with the help of more than a dozen different contributors.
- ▶ Topics include how the new airport will improve aviation safety, Prosperity and reduce emissions.
- ▶ New infrastructure like Pickering Airport will help create a net zero path for Canada !
- ▶ Facts matter, do not get hoodwinked by BANANA lobby group misinformation.

**BANANA** is an acronym for  
"Build Absolutely Nothing Anywhere Near Anything"  
(or "Anyone")

# Backup Slides

»» [PickeringAirport.org](http://PickeringAirport.org)

# About Presenter – Mark Brooks

- ▶ Commercial Pilot – 6700+ hours.
- ▶ Flight instructor Canadian Flyers International
- ▶ Freelance Diamond, Kodiak, PA-46 M600
- ▶ CPL & IFR Training, Ferry and Check flights
- ▶ Former President Buttonville Flying Club.
- ▶ Volunteered on Pickering Airpark proposal
- ▶ Volunteer Moderator Friends of Pickering Airport ( [PickeringAirport.org](http://PickeringAirport.org) )
- ▶ Electric Car Enthusiast
- ▶ Father and Grandfather





## Through 2019, Toronto Aviation Traffic Grows Faster than the National Average

Period Last X Years	National CAGR (%)	Pearson CAGR (%)	Difference (%)
5	3.98	5.54	1.56
10	4.47	5.59	1.12
20	3.27	3.2	-0.07
30	3.04	3.08	0.04
40	3.04	3.47	0.43
50	5.45	NA	NA

CAGR- Compound Annual Growth Rate

# AIR TRAVEL vs VESPA

Vancouver to Toronto  
in February...

## The GREEN FACTS



Vespa Scooter  
3.4 L/100 Km.  
4600 Km by road,  
= 156 litres gas  
= 359 Kg CO<sup>2</sup>

# Fast / Efficient Transportation

DA40 NG, 8 L/100 km of Jet-A or SAF



AIRBUS A320  
2.6 L/100 Km per seat  
3400 Km direct  
= 89 liters fuel  
256.5 Kg of CO<sup>2</sup> \*

\* ICAO database

WANT TO TRAVEL GREEN?  
LEAVE THE SCOOTER AT HOME  
PICKERINGAIRPORT.ORG



Bye 800  
All electric  
KingAir Killer



# Room for International Standard Runway Over run Areas will improve safety



# Pickering Lands Potential

- ▶ Full Economic Development of the Pickering Airport Lands:
  - Generates \$10 Billion plus in annual regional economic benefits
  - Creates over 50,000+ permanent high quality jobs.
    - 150,000 total when *Innovation Corridor* and *Veriane* included.
  - Tax revenue ( using Durham Gateway estimates ).
    - Federal & province income taxes \$500 million annually.
    - Property Taxes \$250 million on industrial buildings annually
    - One-time Development levies between \$300–400 million
- ▶ Commercial Aviation Capacity will Dominate
  - Built in stages, Utility/Industrial Open 2029 to meet demand.
  - Possible Phase 1 Capacity: Industrial/Cargo plus 5 million PAX (Ottawa size).
  - Pickering Airport lands are ideally located for transportation connectivity, improved aviation safety and limited noise impacts.
- ▶ Will have space and services able to incubate new aviation technology start-ups in the GTHA



# Sound Business Case for Pickering Airport

- ▶ KPMG ASA Report Says the business case is sound (pages 357–491)
- ▶ The KPMG ASA Report presents a forward-thinking development case – Revenue Generation and Economic Impact.
- ▶ Pickering Airport is needed.
  - **The need for new passenger capacity and the need/viability of the airport are distinctly different issues reviewed in different sections of the four-part ASA**
- ▶ In 6 scenarios, Pickering Airport construction suggested to commence in 2026 and enter service by YE 2028 as an Industrial Airport with Passenger service starting as early as 2029.
- ▶ **The Private Investor is the Business Case**

# Technology and Science Must Win the Day.

- ▶ Technical facts versus Anti-Aviation Politics:
  - *Stop Flying / Flight Shaming*: Politically-driven attacks on aviation are increasing due to aviation's key role in the “capitalist” global economy.
  - Aviation has a net zero carbon future and will continue to grow (ICAO, IATA)
  - ACI Airport Carbon Accreditation Program:
    - 447 airports globally are committed to the ACI program.
    - 23 Canadian commercial airports representing 94% of the 2019 passenger traffic are part of the program.
    - Vancouver, Toronto Pearson and Ottawa airports are *Net Zero* certified.
      - 51% of Canadian commercial passenger capacity is now *Net Zero*.
    - Pickering Airport will be *Net Zero*!
  - Enhanced and expanded airports are needed to make it happened.
  - Next generation of Regional aviation ( in Pickering) will be the first to transform to Net Zero Carbon emissions and electric flight.
  - Local accessible airport capacity is key to making eRegional passenger and cargo aviation ( Electric flight) work.
  - Net Zero Carbon Aviation will be more cost efficient that other forms of communal regional transportation such as HSR.