



C5.

Communication

Intergovernmental Relations

Sub-Committee – April 8, 2024

Item No. 3

Toronto Pearson Update

City of Vaughan

April 8, 2024

Overview

- The role of Toronto Pearson
- The Noise Management Program + Consultation
- Moving forward together



The role Toronto Pearson

An economic driver for the Province and Region

Our Economic Impact

- Approximately **50,000** people directly employed at **400** companies at Toronto Pearson
- Supports more than **300,000 jobs across the region**
- Economic pillar of Canada's second-largest employment zone – **\$42 billion in GDP** through direct and indirect activity
- Critical hub for Canadian supply chains – **45 percent** of the country's air cargo passes through the airport
- Poised to support Canada's economy and future prosperity as a significant driver of **jobs, investment, trade and tourism.**



Partners in economic growth



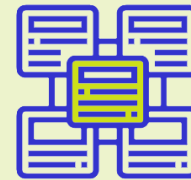
Nearly 1,000 **residents of Vaughan** hold jobs at Toronto Pearson and GTAA procured around **\$25 million** with 51 companies located in Vaughan



With connectivity to over **175 global destinations**, Toronto Pearson supports the **competitiveness** of businesses, facilitates **inbound visitor spending**, and the movement of **cargo and trade**



Ongoing **job opportunities for residents** through Pearson's first **airport-wide job portal**, with an average of 100 new job postings per month

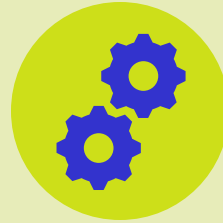
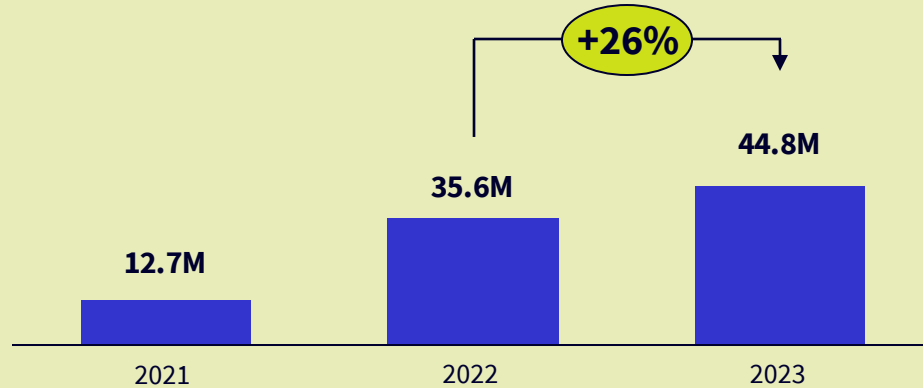


Pearson Works is a new program to support **reskilling** and **upskilling** of employees

2023 has been a year of growth and improvement

GTAA driving performance improvements during hockey-stick growth in 2023

Passengers (#s in Millions)



Driving performance improvement

- Re-engineering processes, more employees
- Implementing new technologies, leveraging **real time data**



New performance culture for 400+ airport employers

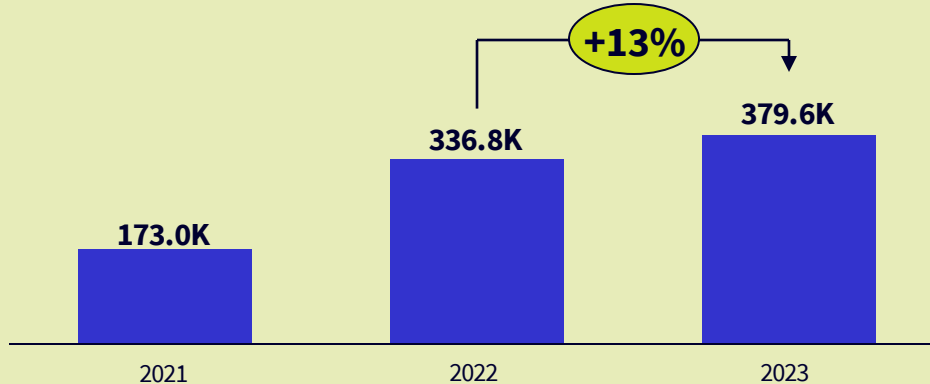
- Shared **commitments, expectations and accountabilities** for partners and ourselves at Toronto Pearson Standard.



Clear metrics for on-time performance and baggage delivery

- Rates agreement that offers **financial incentives** to airlines to improve operational performance and passenger experience at YYZ.

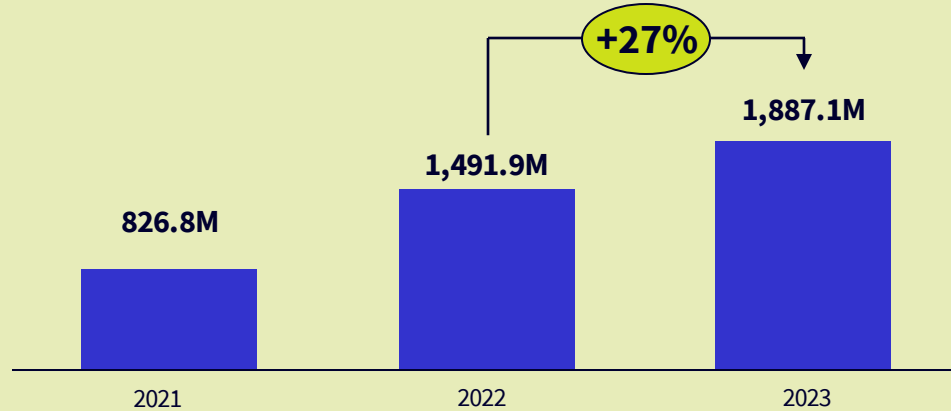
Aircraft Movements (#s in Thousands)



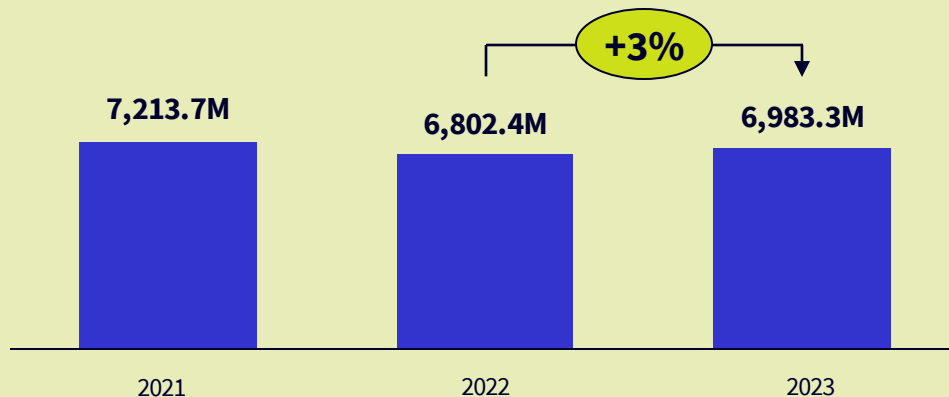
2023 has seen stronger financial performance

High travel demand has driven stronger revenues and net income in 2023, but now requires higher capital expenditures funded through cash flow

Total Revenues (\$Millions)



Total Debt (\$Millions)



BUT the impact of the pandemic lingers

- Took on \$800 million in debt to keep airport open when passenger **traffic dropped 80%**
- Paid the federal government **\$350 million in rent** during the pandemic
- Meanwhile, US airports received **\$40 billion in operating and capital** during the pandemic
- Airport now focused on **recovery** and investment in aging infrastructure to improve **operational efficiencies**

Airport Zoning & Land Use

- Prudent land use planning in the vicinity of airports is crucial to ensuring that operations are not impacted by new developments.
- Recent development proposals represent **a serious risk to airport operations and our supply chains**. High buildings cause serious disruptions to flight paths and reduce ability of planes to come into the airport and could threaten long-haul flights.
- In addition to operational issues, there is a huge economic loss to the regional economy.
- One proposed development in Toronto would require 787-9 Dreamliners to **reduce cargo by 4.4 tonnes** - at an economic cost of **\$533,000 per flight to our region**.
- Working with municipalities to advocate with us for the protection of airport operation and employment lands.



Transforming the airport and putting the joy back in travel

A transformative, 10-year capital program - 65 million passengers

- Toronto Pearson has the same footprint as Atlanta airport
- **Restore aging airport infrastructure** and enhance the **passenger experience**
- Protect Canada's **direct global air connectivity** through Toronto Pearson
- Implement a digital environment to make **data driven decisions** for more predictable and efficient operations
- Advocating for **transit connections** for employees and passengers which frees up road capacity for movement of cargo
- Reduce environmental impacts while **advancing Canada's climate goals and energy transition.**
- **Industry Forum set for mid-April** will explore huge economic opportunities for the region

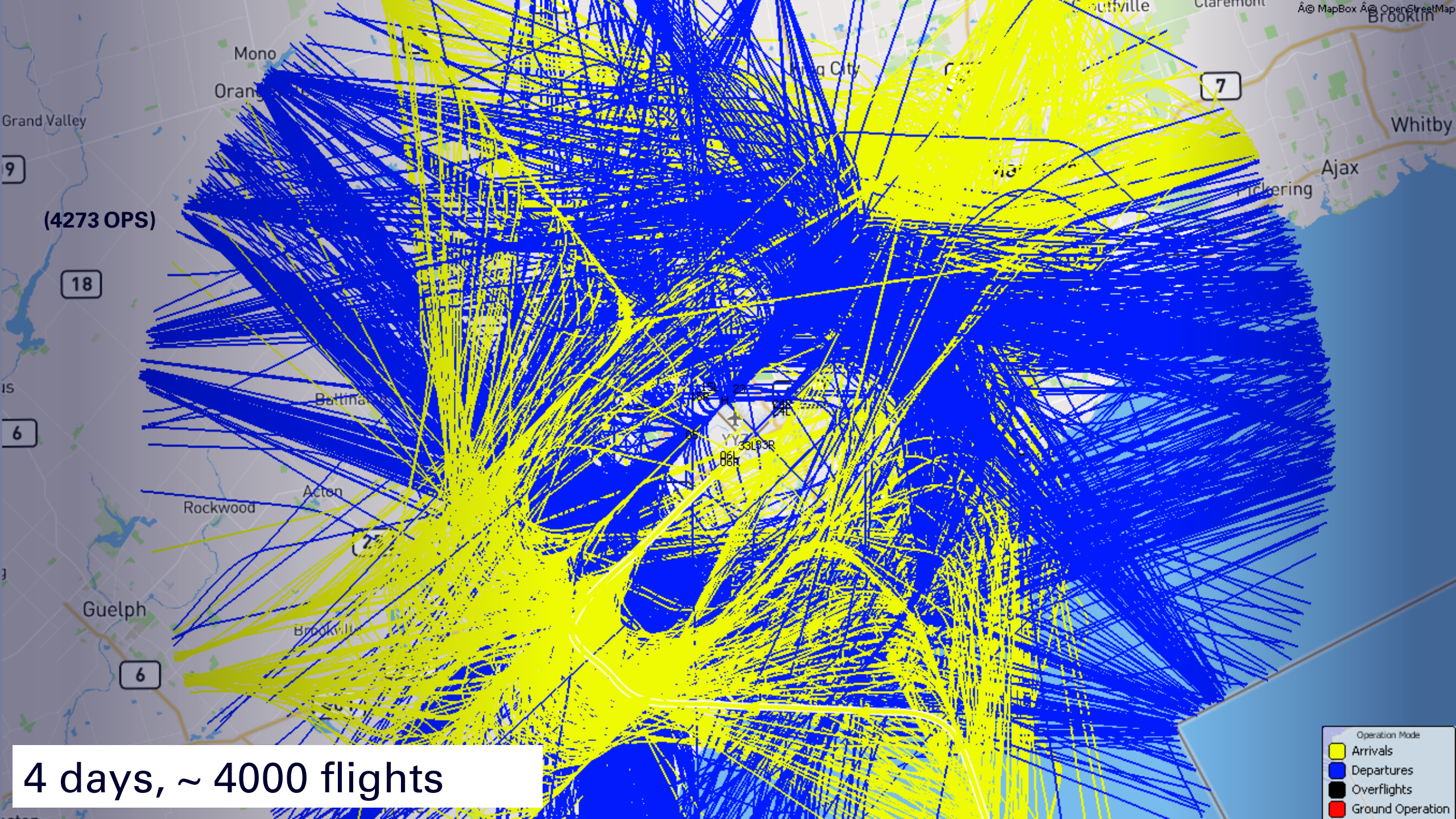


The Noise Management Program

How we manage and communicate about our impacts

The Greater Toronto Airports Authority has a ground lease with Transport Canada with the mandate to develop, manage and operate Pearson efficiently and effectively.

Part of that ground lease requires us to have a Noise Management Program that follows a balanced approach to mitigate aircraft noise.



(4273 OPS)

4 days, ~ 4000 flights

- Operation Mode
- Arrivals
 - Departures
 - Overflights
 - Ground Operation

Operations at Toronto Pearson

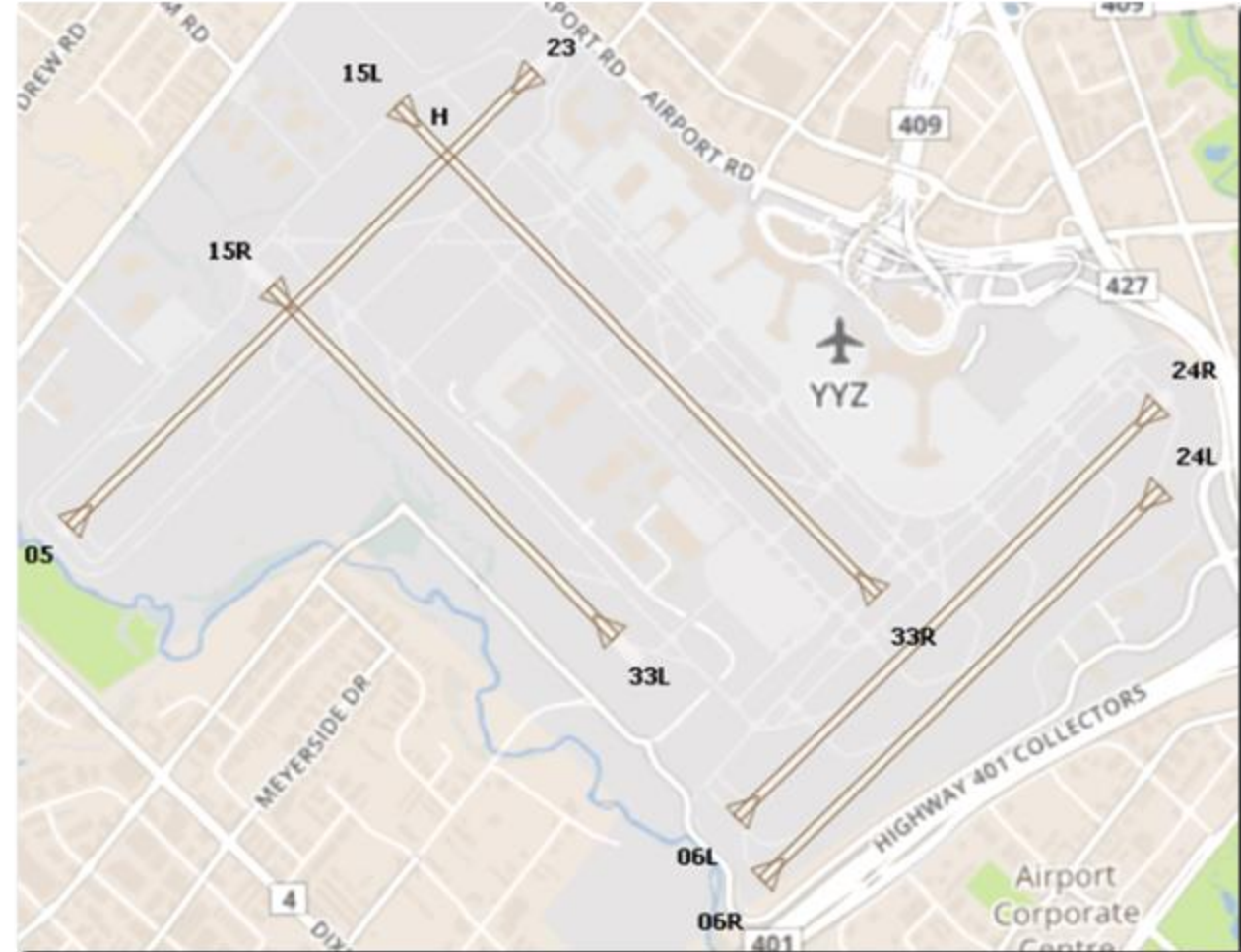
The airport has five runways that can be used in various combinations.

We use our runways dynamically to suit various conditions – winds, weather, surface conditions, airfield maintenance, and traffic levels.

Between 2019 and 2023, we saw dramatic fluctuations in traffic levels. Residents experienced very low traffic levels between 2020 and part of 2022, followed by near pre-pandemic passenger traffic levels in 2023.

Consequently, runway-use and community impacts also fluctuated.

What follows is an overview of the key components of our Noise Management Program.



Noise Management Roles and Responsibilities

GTAA manages a Noise Management Program and explores new opportunities for noise mitigation.

NAV CANADA assigns runways at Toronto Pearson considering winds, weather, capacity and preferential runway system

Airlines/Cargo operators are responsible to comply with the Noise Abatement Procedures and Noise Operating Restrictions.

Transport Canada is the regulator for aviation in Canada. It enforces the Noise Abatement Procedures and Noise Operating Restrictions



Noise Abatement Procedures

Designed to reduce the noise of arriving and departing aircraft communities, mainly through altitude restrictions.

Higher = Quieter

ARRIVALS

Aircraft must remain at or above 2,400 feet above ground level (AGL) prior to lining up with the runway



DEPARTURES

Jet aircraft must reach 3,000 feet above ground level (AGL) before turning toward their destination.



Noise at Source

- The best way to mitigate noise exposure from aircraft operations is to reduce the amount of noise that aircraft produce.
- The International Civil Aviation Organization (ICAO) set increasingly stringent noise standards “chapters” for aircraft with each new ‘chapter’.
- Larger Chapter numbers signify the newest Chapter, which means quieter technology .

Toronto Pearson’s Fleet

In 2023

- 52.7% of flights by chapter 4 and 17.6% by chapter 14 aircraft, up from 52% by chapter 4 and 1% by chapter 14 in 2019.
- A320 series retrofit program to reduce whine - 90% of flights by A320 series by retrofit aircraft up from 51% in 2020.

Noise
Operating
Restrictions



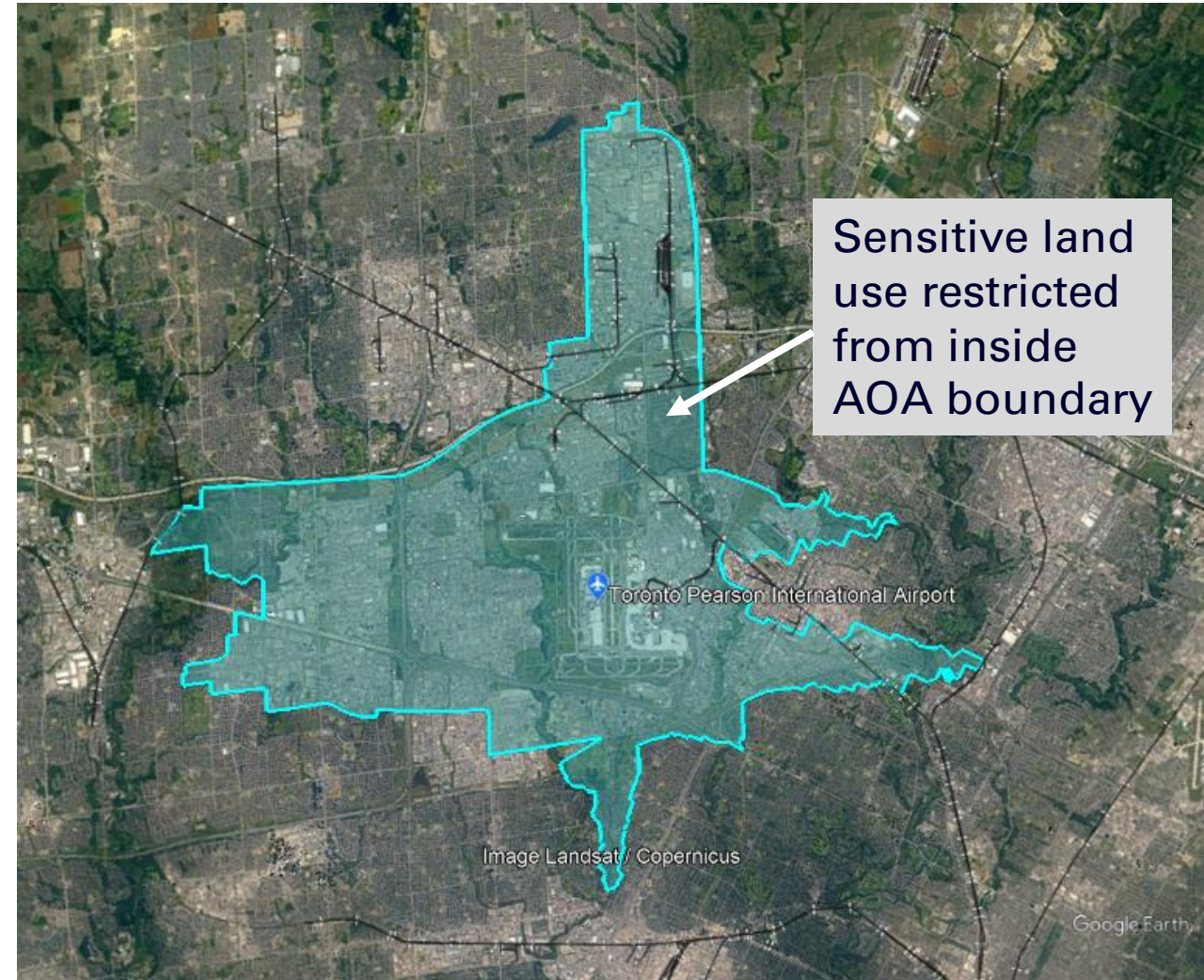
Toronto Pearson is open 24/7

We use additional programs to manage nighttime noise:

Nighttime Restriction Programs:

- **Nighttime Preferential Runway System** - between midnight and 6:30 am, a set of runways are used affecting the fewest number of people.
- **Night Flight Restriction Program:** limits the number of movements during the restricted hours (12:30 am to 6:29 am).
 - 2023/2024 night flight limit - 20,433 flights

- The Airport Operating Area (AOA) **restricts sensitive land uses such as residential from this zone** due to high exposure to aircraft noise.
- The AOA boundary is based on a threshold set by Transport Canada: Transport Canada's land use guidelines.



Noise Management Office

The NMO is responsible for:

- Responding to residents' questions, analyzing and registering noise complaints. In 2023,
 - Vaughan-Woodbridge- 46 residents made complaints
 - King-Vaughan- 17 residents made complaints
- Updating web content and notices and reports
- Noise monitoring
- Noise management forums, consultation/outreach



Enforcement Office

The Enforcement Office reviews all flights that operate in/out of Toronto Pearson for compliance to the Noise abatement procedures and Night flight restriction program.

Suspected violations are forwarded to Transport Canada for further investigation and possible enforcement action.

A screenshot of the Transport Canada website. The header includes the Canadian flag, the text 'Government of Canada / Gouvernement du Canada', a search bar, and a language selector set to 'tc.canada.ca'. Below the header is a 'MENU' dropdown. The breadcrumb trail reads: 'Canada.ca > Transport Canada > Aviation > Aviation accidents and investigations > Aviation offences and enforcement'. The main heading is 'Aviation corporate offenders' with a red underline. Below it, it says 'From: Transport Canada'. The text below reads: 'Civil Aviation publishes its corporate and [non-corporate offenders](#) list to both serve as a deterrent and to increase public awareness and education concerning aviation safety.'

Noise Management Forums - regular working groups with elected officials and residents to help Pearson collaborate better with industry partners.

Monthly E-Newsletter – Checking In



Insightfull Interactive webpages with location-specific answers to frequently asked questions as well as a range of reports.

Community events

Participation at community led events e.g. Woodbridge Farmers market



Community Open houses

Held in the community in partnership with local elected official(s)

How we Consult

Noise Advisory [maintenance calendar](#) for short term maintenance work affecting runways

Airspace change

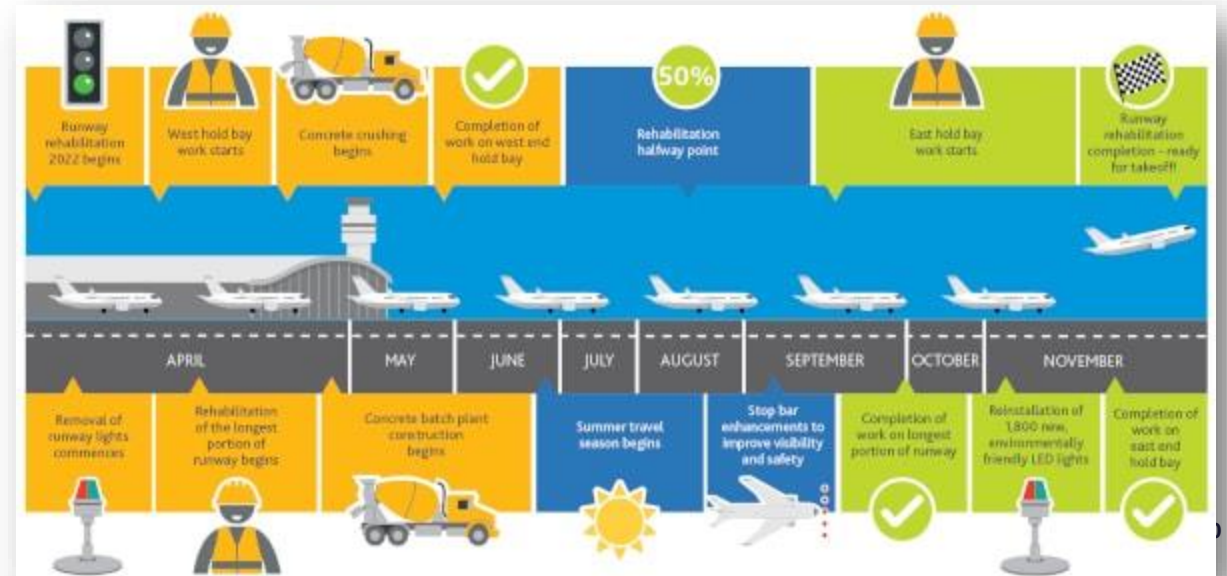
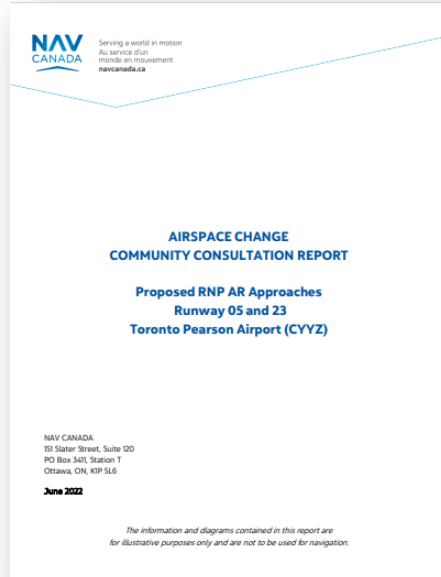
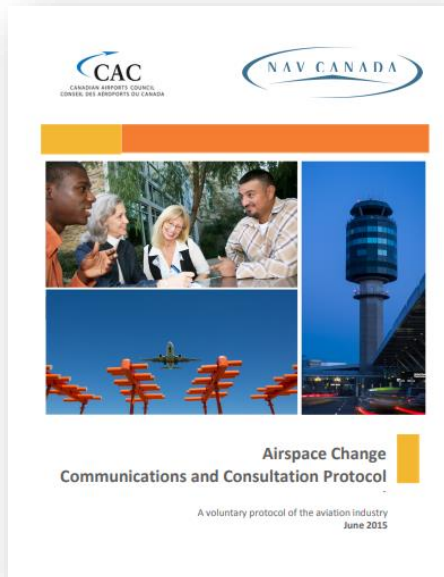
The Airspace Change Communications and Consultations Protocol provides guidelines for public consultation about proposed airspace change.

- Webpage, community presentations, elected officials' briefings, one on one sessions, survey, final report.

Maintenance Projects

GTAA provides residents and elected officials with timelines, project details, potential impacts.

- project webpage, briefings, monthly newsletter, mail drops, social media, geotargeted automated phone messages, local paper ads.



Toronto Pearson + City of Vaughan

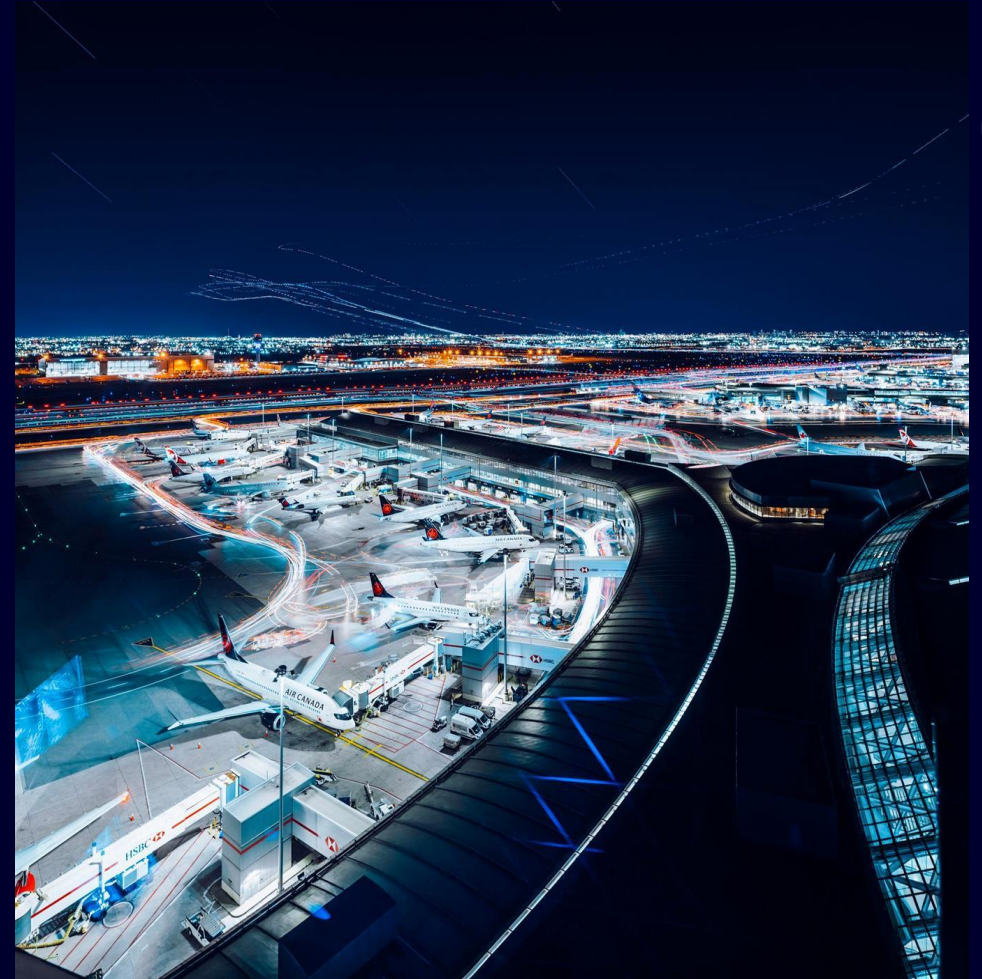
How we can work and grow together

Working and Growing Together

As one of the fastest growing cities in Canada, City of Vaughan businesses and residents depend on Toronto Pearson now more than ever for access to the world through the movement of cargo and people, and for employment. Approximately 3000 York Region residents (1000 from Vaughan) work at Toronto Pearson.

We are investing in our infrastructure now so we can support future demand for travel enabling growth and prosperity in our Region. At the same time, we continue to manage our impacts responsibly and sustainably.

We look forward to sharing the details of our LIFT while learning more about the City's development plans.



Stay In Touch



[Noise Advisory Calendar](#) – includes airport maintenance and activities.



Sign up for our monthly community e-newsletter, Checking In at torontopearson.com/checkingin



Learn more about airport operations and community impacts at airportnoise.torontopearson.com



Email us at community.engagement@gtaa.com



To log a complaint, call us at 416-247-7682 or [submit online](#)



[Pearson Public Meetings](#) – for 2024 - April 11, July 25, November 7



Thank you

