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# Growing Responsibly: 10 Commitments to our Neighbours

2018-2022 Toronto Pearson Noise Management Action Plan

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# A Note on Noise Sharing

Many top-tier international airports provide respite from noise by operating runway programs designed around noise sharing.

**The Survey on Airport Growth and Noise Fairness** took the pulse for the community's interest in Toronto Pearson pursuing such a program. We received more than 2500 responses from both randomly selected residents from across the GTA Area (closed-call), and those who completed the online survey that was made available for all residents (open-call).

Taking the survey inputs along with other community feedback into consideration, the Residents' Reference Panel recommended:

- **The GTAA explore all other options to mitigate noise on the ground before implementing a noise sharing program**
- **A noise-sharing program should only be pursued if respite afforded to communities is meaningful and predictable**

We have taken this feedback into consideration in this Action Plan.

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# What does this mean for Summer Weekend Runway Alternation (Idea 5)?



Preliminary technical analysis shows a summer weekend alternation program that includes north/south and east/west runways **cannot deliver predictable and meaningful respite.**

We will **not** continue to study and consult on a summer weekend runway alternation program that includes north/south runways at this time.

We **will** continue to explore a program with east/west operations.

Analysis shows this approach may give residents on final approach some predictable respite. We expect to consult on this early next year.

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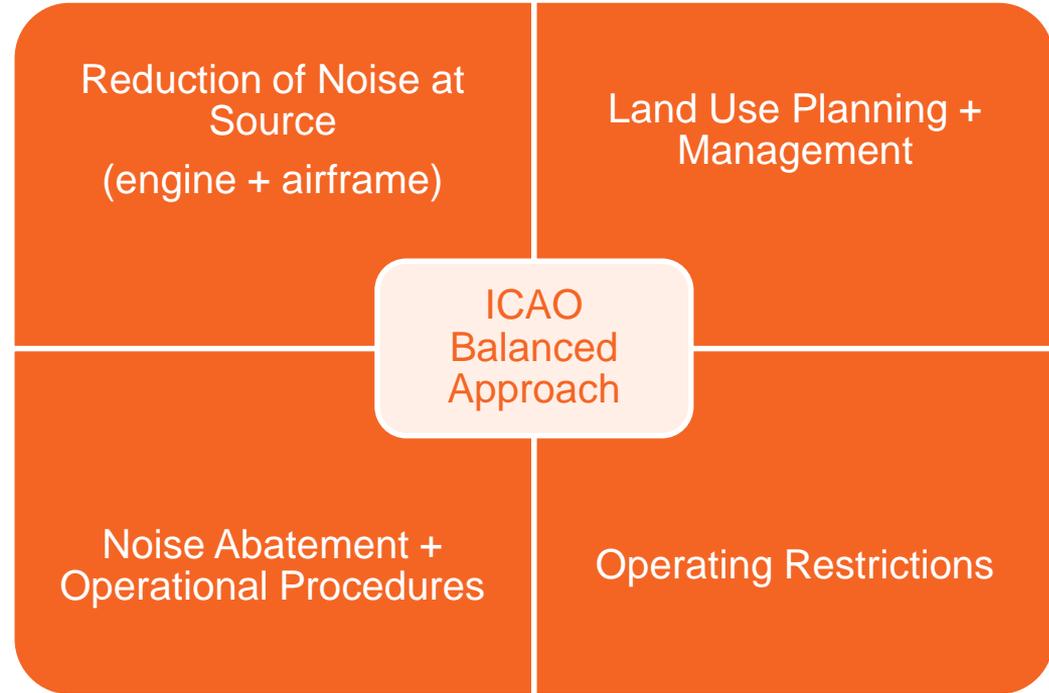
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# Noise Management Program



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# 2013-2017 Action Plan

Worked closely with CENAC to deliver initiatives from 2013-2017 Noise Management Action Plan

- Initiatives include:
  - the Noise Management Program Best Practices Report
  - installation of eight new Noise Monitoring Terminals (NMTs)
  - removal of any geographical barriers to submitting noise complaints
  - standardized enforcement auditing process so 100% of aircraft movements are monitored to for potential non-compliance with our Noise Abatement procedures



# The Inputs

- **2013-2017 Noise Management Action Plan** including community feedback and input from CENAC
- **2017 Noise Management Best Practices Report** that looked at 11 noise management programs at 26 airports worldwide
- **Residents' Reference Panel on Airport Growth + Noise Fairness**
- Feedback from 2500 respondents who filled in the **Survey on Airport Growth + Noise Fairness**
- **2017-2037 Toronto Pearson Master Plan**

*Additional Considerations:*

- *Toronto Noise Mitigation Initiatives (6 Ideas)*
- *NAV CANADA Independent Airspace Noise Review*



# Our Values & Guiding Principles

**Co-created with the community, these values and principles will guide our decisions and ensure that our neighbours' voices are reflected in the choices we make.**



## Values:

- Safety
- Governance
- Transformative Investments
- Environment
- Human-Centred
- Connectivity

## Guiding Principles:

- Leadership
- Accountability
- Clear Communication

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**Our Action Plan:**  
**10** commitments that will  
challenge us **to do better.**



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# The Tools

The 10 commitments set a framework for enhancing or adopting these 9 noise management tools

1. Quieter Fleet Incentive Program
2. Night Flight Restrictions
3. Runway Usage
4. Noise Abatement Procedures
5. Land Use Planning
6. Noise Complaints
7. Communications, Outreach and Noise Committees
8. Noise Reporting and Metrics
9. Fly Quiet Program



## How we will achieve this:

- Work to establish the Industry Noise Management Forum
- Provide residents with more clarity about roles, responsibilities and accountabilities

**1. We will  
collaborate better  
as an industry**

## 2. We will work smarter with our communities



### How we will achieve this:

- Identify new ways for residents to provide input and ensure wider community involvement
- Review the governance, membership, and role of CENAC so it meets our neighbours' needs and expectations

## How we will achieve this:

- Study and develop a Voluntary Noise Insulation Program
- Investigate a pilot program that would provide funding to nearby schools for air conditioning systems
- Work with municipalities on more stringent zoning requirements, and work with real estate agents to build more awareness

# 3. We will protect our neighbours

# 4. We will help our neighbours sleep better



## How we will achieve this:

- We will immediately explore changes to our Night Flight Restriction Program
- Preferential Runway review (6 Ideas)
- Explain why night flights are important to the economy
- Explore changes to the landing fee airlines pay specifically for night flight slots as we develop the Quieter Fleet Incentive Program

## How we will achieve this:

- Implement a Quieter Fleet Incentive Program starting with a requirement that airlines retrofit the A320 series aircraft by 2020
- Investigate possible criteria for a Fly Quiet Program in the next 18 to 24 months
- Work with our partners on new initiatives for more efficient flight paths that reduce noise exposure, such as those that are part of the 6 Ideas

# 5. We will have Canada's quietest fleet

## 6. We will do more to understand our impacts



### How we will achieve this:

- Improve our noise complaint process to allow for deeper analysis
- Create a clear and standard noise report focused on identifying impacts
- Support research that works to understand the link between impacts and noise annoyance

## How we will achieve this:

- Launch a new noise management website so residents can better understand our operations
- Provide advance notice of scheduled projects and operational/procedural changes

## **7. We will limit surprises**

# 8. We will continue to take care of the environment



## How we will achieve this:

- In 1999, Toronto Pearson became the first North American airport to achieve ISO 14001 certification.
- We will intensify efforts to understand and mitigate our environmental impacts
- We will communicate the economic, social and environmental impacts of our operational decisions to the community

## How we will achieve this:

- Support regional growth including working with all levels of government to advance plans for the Regional Transit Centre, and with regional airports across Southern Ontario to collectively accommodate growth
- Invest in local communities to support their economic vitality into the future through our community investment program, the Propeller Project

# 9. We will lift up our communities

# 10. We will always look for opportunities to improve



## How we will achieve this:

- Consult and implement the Toronto Noise Mitigation Initiatives (6 Ideas)
- Provide an annual update on the Noise Management Action Plan
- Commission a new benchmarking and best practices review at the end of five years

<b>Short Term (0-18 months)</b>	<b>Medium Term (18 months-3 years)</b>	<b>Long Term (3-5 years)</b>
<ul style="list-style-type: none"> <li>• Explore potential changes to Night Flight Restriction Program</li> <li>• Begin work on Quieter Fleet Incentive Program</li> <li>• Explore a Voluntary Noise Insulation Program – start with pilot air conditioning program for nearby schools</li> <li>• Publish updated Complaint Policy</li> <li>• Review of CENAC</li> <li>• Consultation and start trials/ implementation of the 6 Ideas</li> </ul>	<ul style="list-style-type: none"> <li>• Publish standard noise reports and impact metrics</li> <li>• Launch Quieter Fleet Incentive Program – incentives for airlines with retrofitted A320s (starting with fines for non-retrofitted A320s)</li> <li>• Continue development of the Noise Insulation Program, including potential trials</li> </ul>	<ul style="list-style-type: none"> <li>• Launch Fly Quiet Program</li> <li>• Launch pilot Voluntary Noise Insulation Program</li> <li>• Continued evolution of Night Flight Restriction Program</li> </ul>



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# 2018 WORK PLAN



# Night Flight Restrictions

DEFINITION	2018 WORKPLAN
<p>Operational limitations and movement and aircraft restrictions during the night-time hours, currently defined at Toronto Pearson as 0030 to 0629</p>	<ul style="list-style-type: none"><li>• Explore changes to Night Flight Restriction Program</li><li>• Publish report on why night flights are important to the economy</li></ul>



# Quieter Fleet Program

DEFINITION	2018 WORKPLAN
<p>An incentive program that encourages airlines to use quieter aircraft and/or pursue measures to minimize known airframe noise issues, such as those that occur with some aircraft in the A320 family.</p>	<ul style="list-style-type: none"><li>• Develop policy around the program, including incentives to airlines that retrofit A320 series aircraft</li><li>• Quieter Fleet Incentive Program goes into effect in 2020</li></ul>



# Land-use Planning

DEFINITION	2018 WORKPLAN
<p>Management of land use near the airport, including noise insulation programs.</p>	<ul style="list-style-type: none"><li>• Kick-off study for a Voluntary Noise Insulation Program by on-boarding consultant to advise on program development</li><li>• Reach out to school boards to explore pilot program to provide funding for nearby schools for air conditioning systems</li></ul>



# Noise Complaints and Reporting

DEFINITION	2018 WORKPLAN
<p>Noise Complaints: Process around which complaints are submitted, handled, analyzed and reported upon.</p>	<ul style="list-style-type: none"><li>• Publish updated Noise Complaints Policy to provide more clarity around roles and responsibilities</li></ul>



# Noise Reporting and Metrics

DEFINITION	2018 WORKPLAN
<p>Noise Monitoring: Metrics used by airports to report on aircraft noise from noise monitors.</p>	<ul style="list-style-type: none"><li>• Improve how noise information and data from noise monitors is presented to the public.</li><li>• Essential piece to developing the metrics for a <b>Fly Quiet Program</b>, which is a voluntary program that that will rank airlines according to fleet noise, encouraging the adoption of quieter operating procedures and will be part of the 2019 Workplan.</li></ul>



# Runway Usage

DEFINITION	2018 WORKPLAN
<p>Programmed use of runways to provide periods of respite or relief from aircraft noise.</p> <p>Ideas 5 &amp; 6 of the Toronto Noise Mitigation Initiatives (6 Ideas) are examples of runway schemes.</p>	<p>In June 2015, the GTAA announced a three-phase Noise Mitigation Initiatives Engagement Plan with NAV CANADA to study six ideas that have the potential to reduce the noise impact of Toronto Pearson’s operations on surrounding neighbourhoods.</p> <ul style="list-style-type: none"><li>• <b>Idea 5: Summer Weekend Alternation Program</b> that provides predictable respite through scheduled runway alternation.</li><li>• <b>Idea 6: Review of existing night-time Preferential Runway System</b> to ensure runways identified are those that impact the fewest people.</li></ul> <p>The technical study of the 6 Ideas is on-going. Idea 5 will explore an alternation program with only east/west operations.</p> <p>We expect to consult on the 6 Ideas early next year.</p>



# Communications, Outreach and Committees

DEFINITION	2018 WORKPLAN
<p>Processes relating to community engagement, including community and industry noise committees.</p>	<ul style="list-style-type: none"><li>• Review and report back on changes to CENAC</li><li>• Consultation on the Toronto Noise Mitigation Initiatives (6 Ideas) in Winter 2018</li></ul>



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**This plan will help us deliver  
our vision of being the best  
airport in the world - starting  
in our communities.**



# Stay Involved

- Learn about engagement opportunities, including consultation on the 6 Ideas, through *Checking In* e-newsletter
  - Sign up at [TorontoPearson.com/CheckingIn](https://TorontoPearson.com/CheckingIn)
- Reach out to the Noise Management Office at 416-247-7682



**Thank You**

