

# YYC Update

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YYC presentation to the Calgary Airport Authority Community Consultative Committee (ACCC)

June 15 | 2023

**YYC** CALGARY  
AIRPORT  
AUTHORITY

# **Agenda**

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- **Welcome**
- **Introductions & land acknowledgment**
- **YYC Update**
- **Jet Turns**
- **Environment, Sustainability & Governance**
- **Noise**
- **HAWCS**
- **Q&A**



In the spirit of respect, reciprocity and truth, we honour our ancestors and those who took care of this land long before we were here by acknowledging the Treaty 7 territory of the Blackfoot confederacy.

This includes the Siksika, Kainai, Piikani peoples — as well as the Îyâxe Nakoda, and Tsuut'ina nations. This territory is also home to the Métis Nation of Alberta, Region 3.

We embrace the role of helping to protect the space and foster the growth and development of the peoples – both the Indigenous and non-Indigenous - who live, work, and play on these lands.



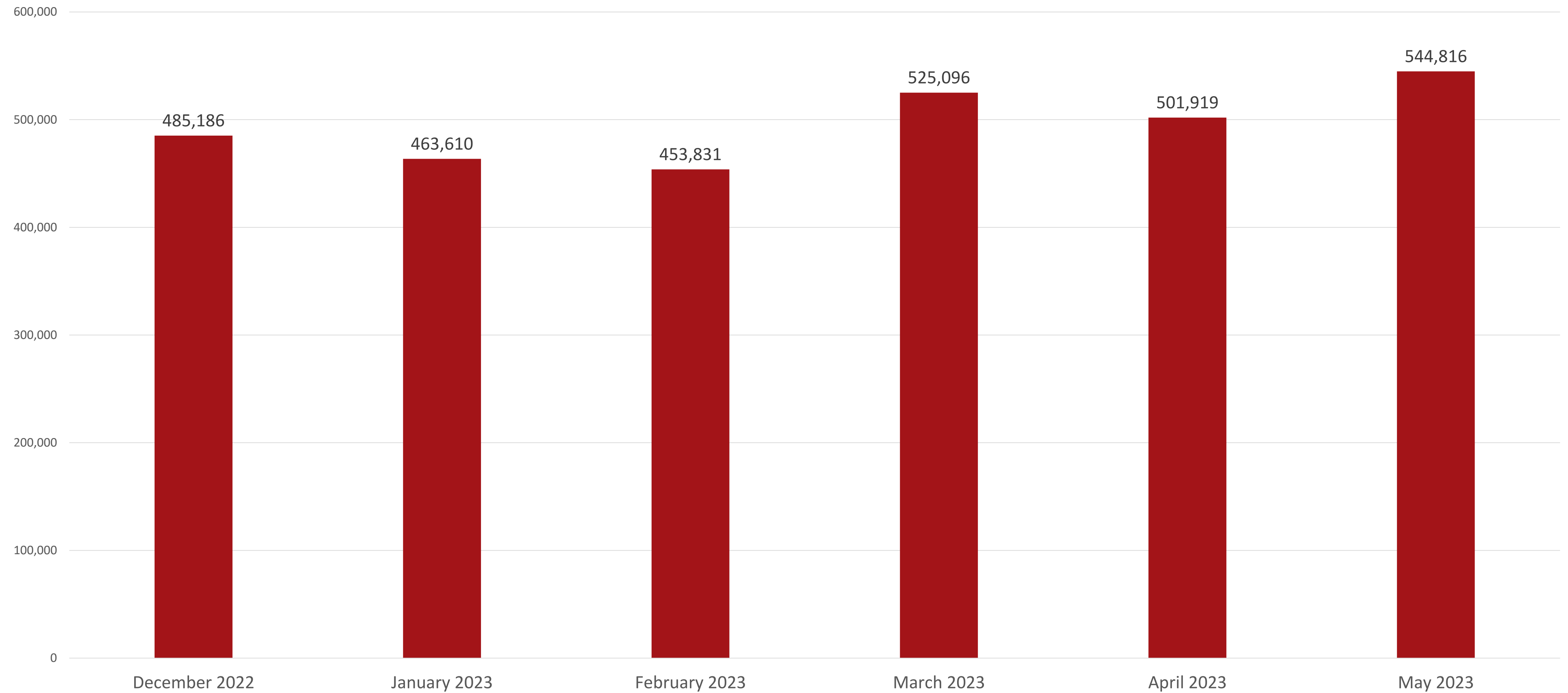


# 2023 YYC Update

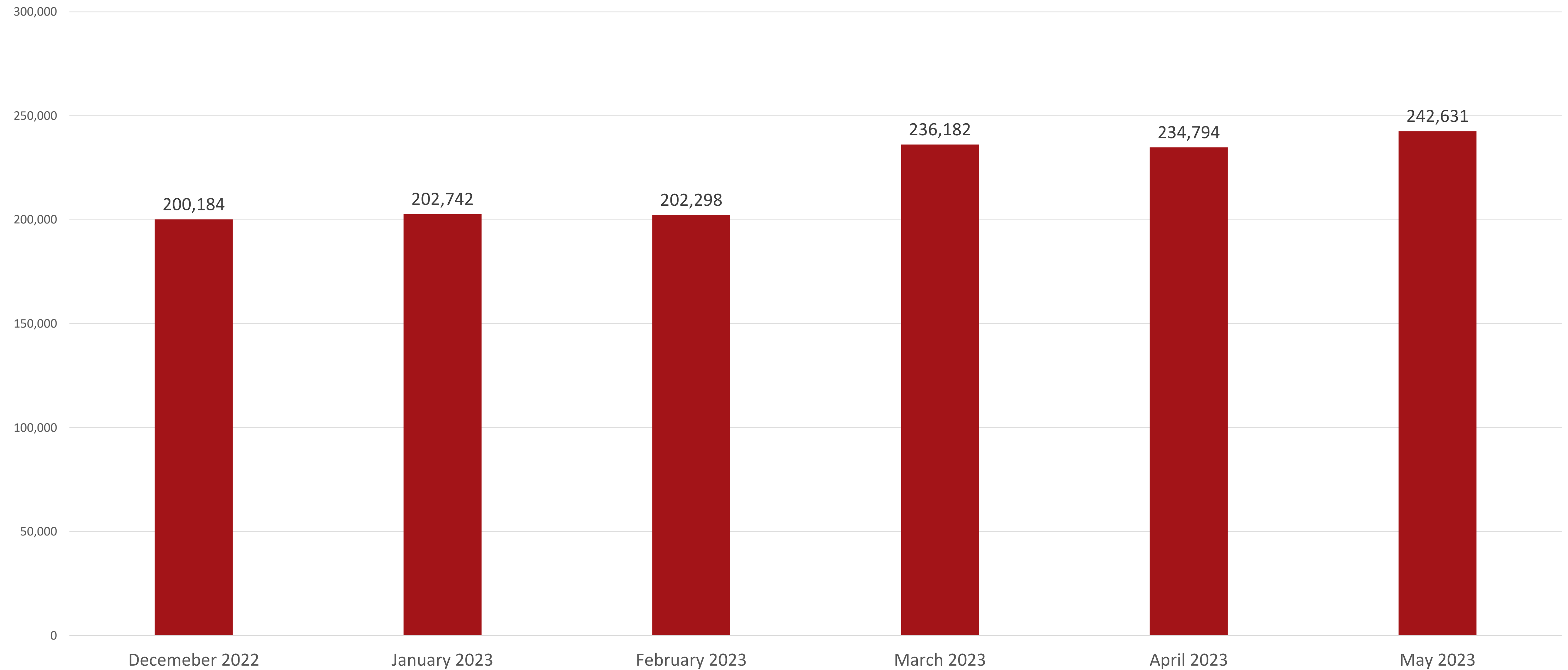
- Andy Davis, Senior Director, Terminal Operations



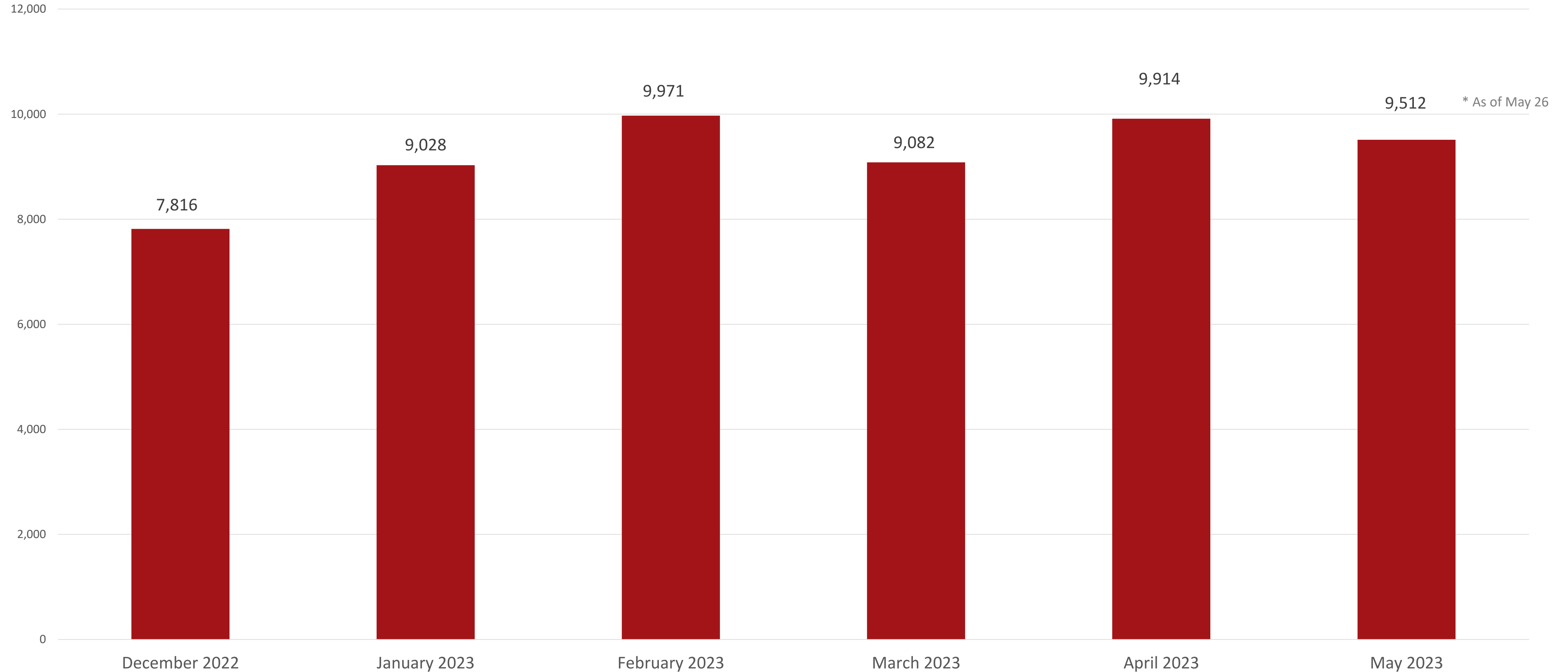
# YYC-Originating Passengers (previous 6 months)



# International and Transborder Traffic (previous 6 months)



# Busiest day each month through CBSA (previous 6 months)



NAV CANADA ► PROPRIETARY

# NAV CANADA Update to June 2023 ACCC

Jonathan Bagg

Director, Stakeholder and Industry  
Relations



Serving a world in motion  
[navcanada.ca](http://navcanada.ca)





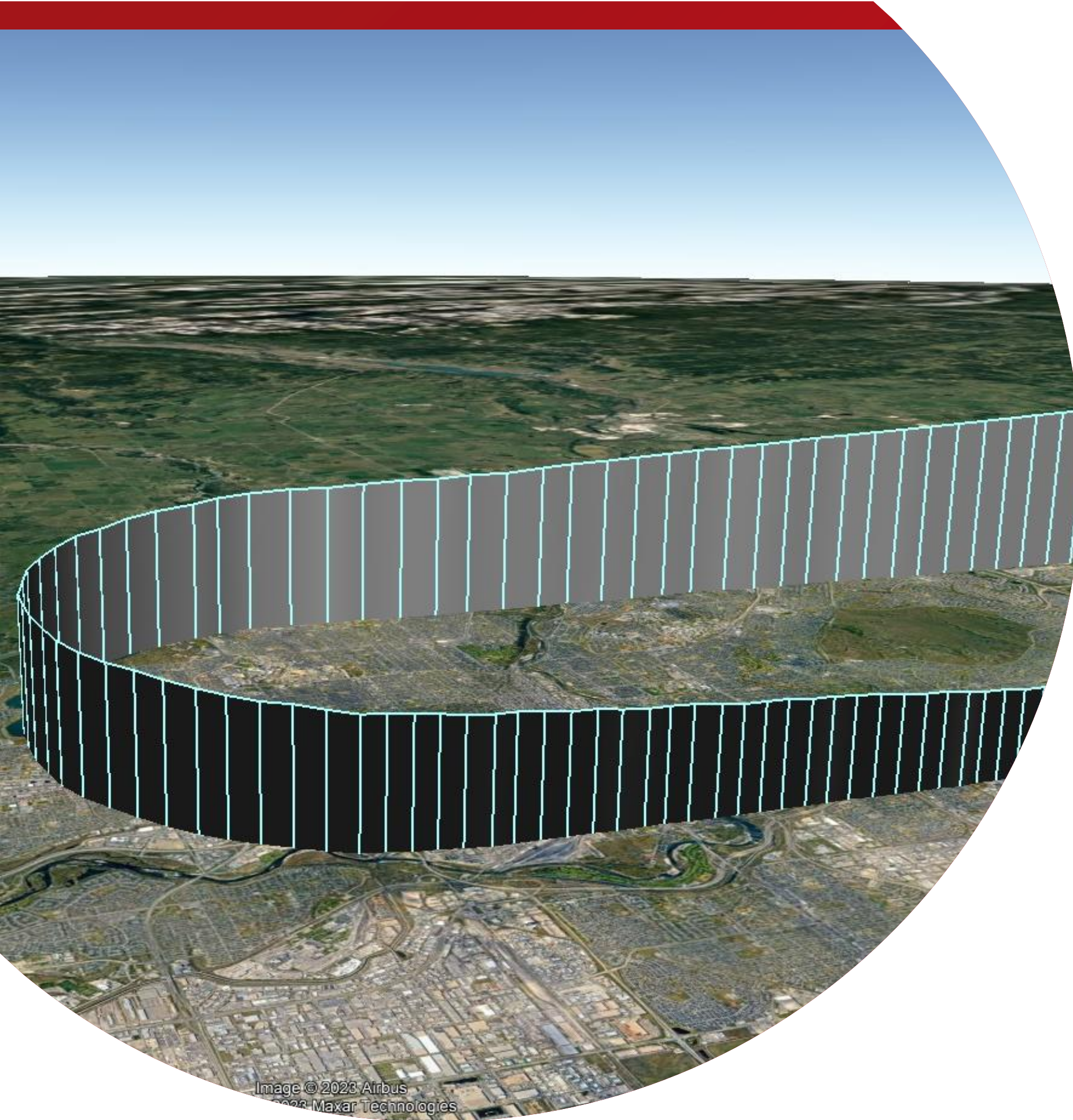
# Overview

- 1 • RNP-AR Refresher
- Alternate Runway Headings
- Questions / Discussion

# RNP-AR

Required Navigation Performance –  
Authorization Required

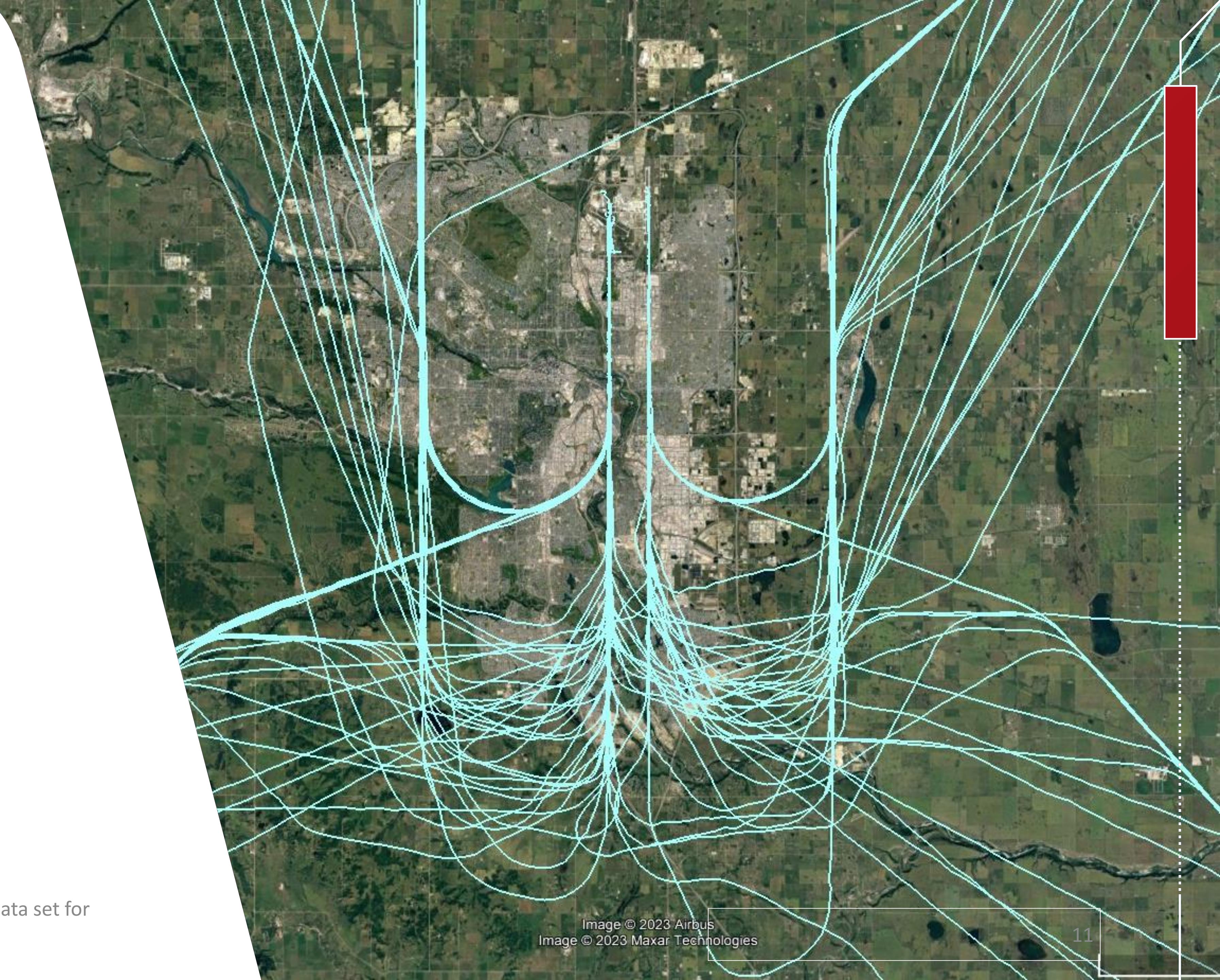
- In use at YYC for many years
- First Airport in the world to leverage new ICAO standard
- Leverages modern FMS and satellite navigation
- Supports shorter routes, less emissions and continuous descent operations



# Runway 35 Sample Data

- Arrivals during a recent busy 12-hour period
- A total of 270 arrivals
- 26 per cent utilization of RNP-AR procedures
- Utilization can vary day-to-day
- Equivalent procedures when in a north flow (using runways 17 R/L)

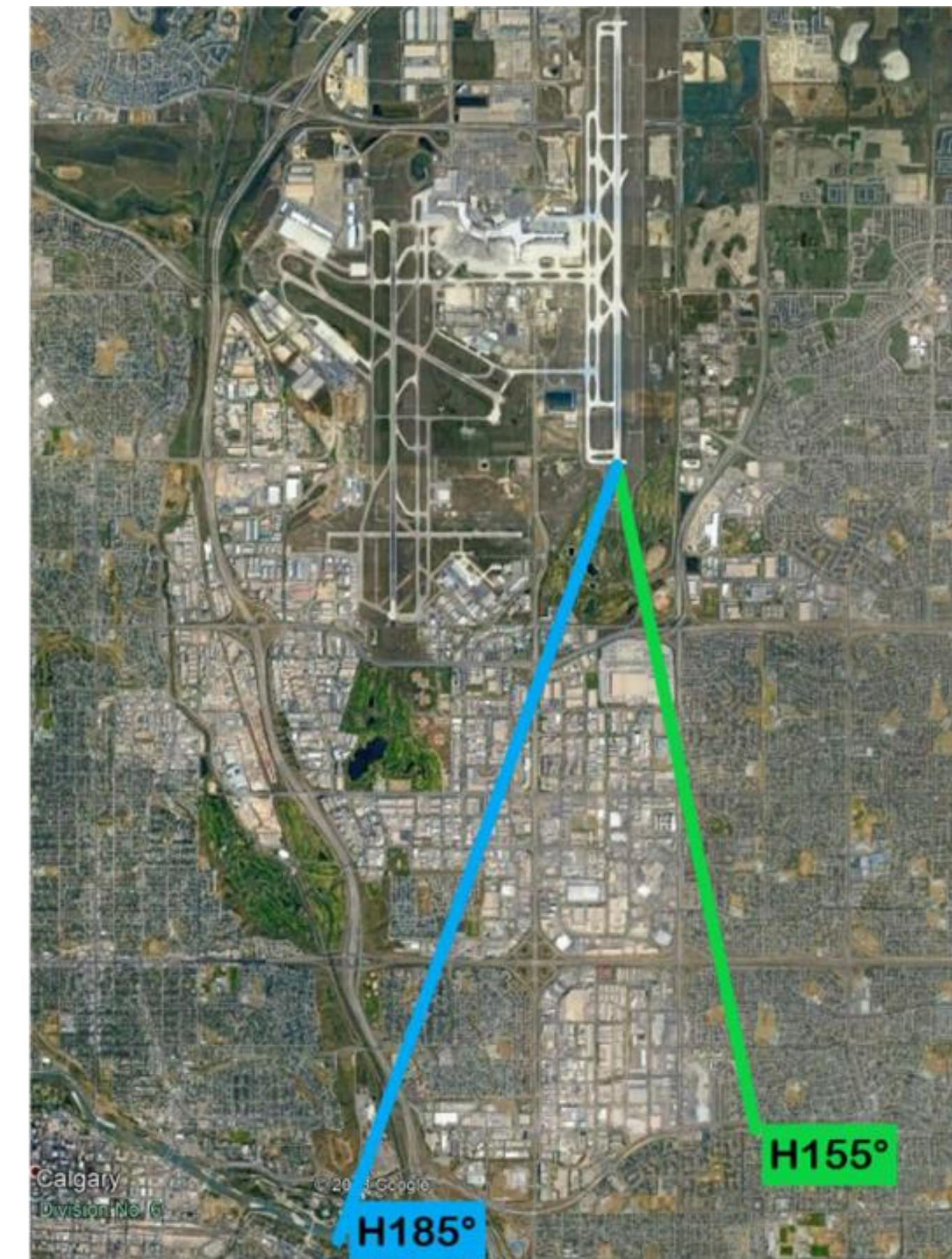
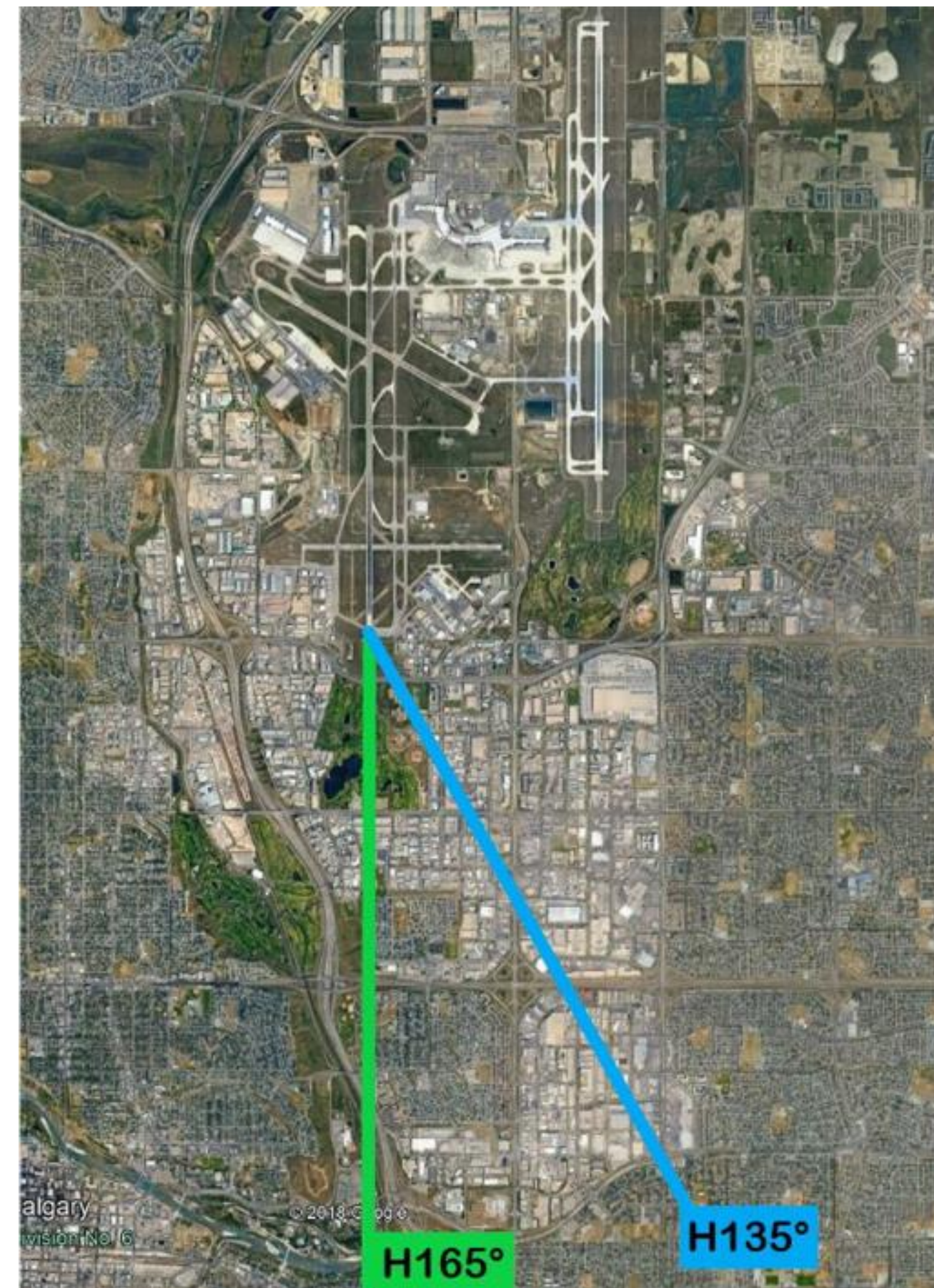
Note image shows shorter period. Limited data set for illustrative purposes.



# Alternate Runway Heading Initiative

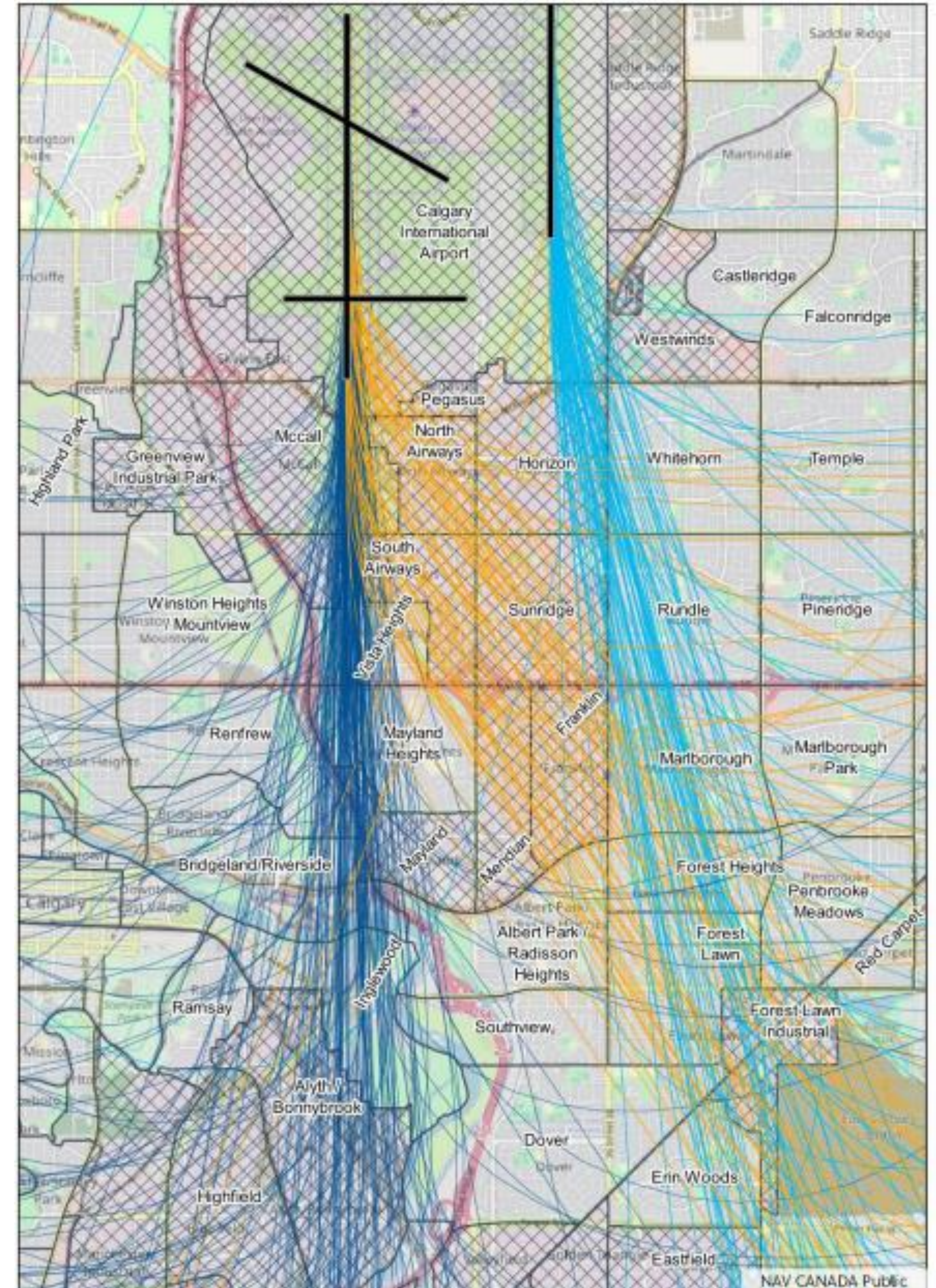
- Started as trial in late 2019; extended to garner more data
- Public Consultation conducted January-March 2022
- Recommendation to implement
- Adjustments made to the proposal flowing from consultation (alternate headings do not apply from 0000-0600 daily)

Runway	% on alternate headings (pre-trial estimate)	Actual % alternate headings (during trial)
17L	5-10%	3-11%
17R	30-50%	27-49%



# Alternate Runway Heading Initiative

- Next step: Post implementation review
- Review of operational performance
- We will work with airport authority on noise metrics and understanding complaints received





# • Questions / Discussion

And Thank you!

- Third level
  - Fourth level
    - Fifth level

# **Sustainability Strategy**

## **2022 – 2026**

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- Harris Switzman, General Manager, Environment

June 15 | 2023

**YYC** CALGARY  
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# SUSTAINABILITY STRATEGY





# YYC's Current Emissions Profile

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- <https://www.yycsustainability.com/climate-action/#1.1/>
- Current focus is Scope 1 (direct) and Scope 2 (electricity) emissions.
- 2023-2024 we will be inventorying our Scope 3 emissions (flights, ground transportation, employee commuting, major suppliers, construction projects)

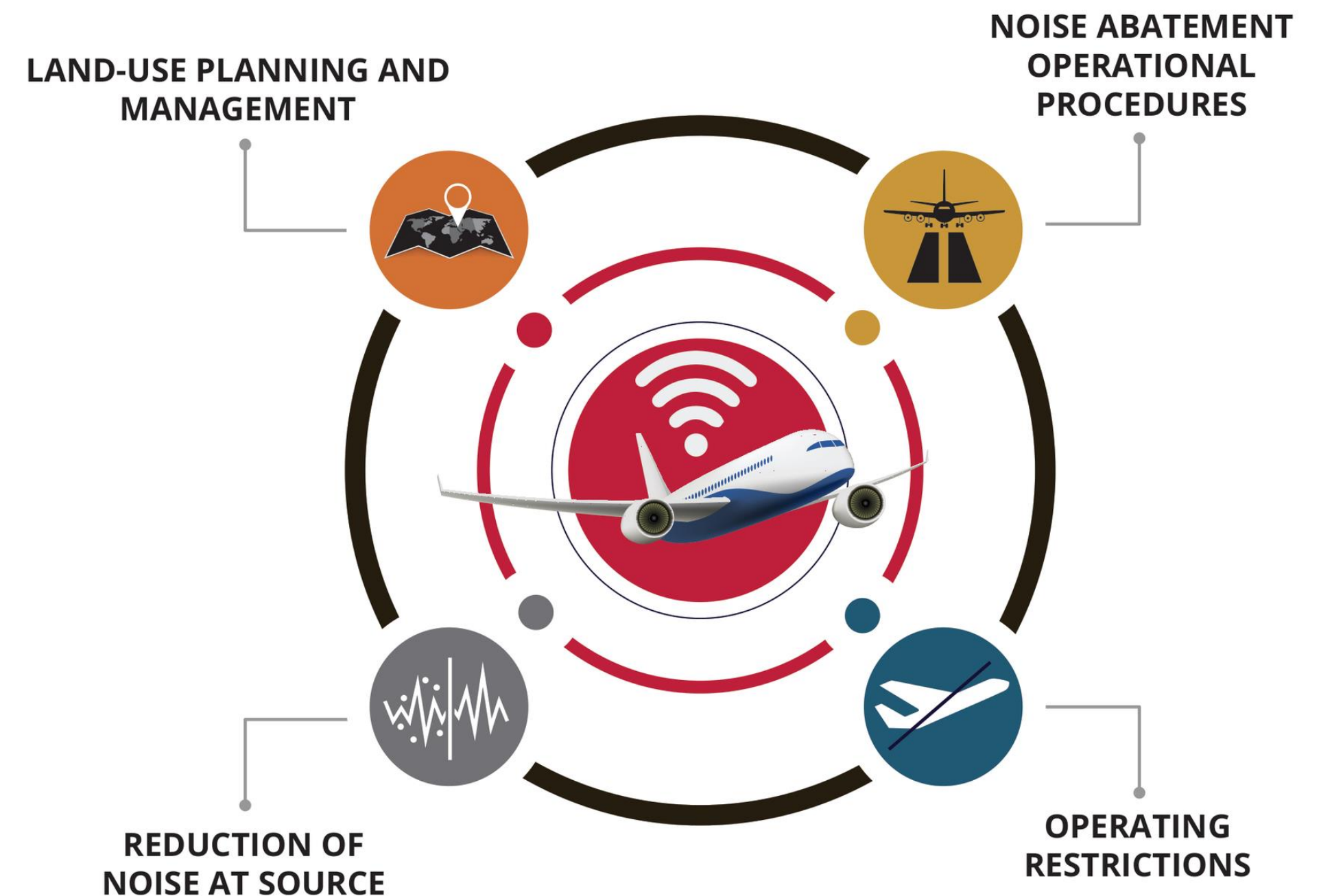
# Noise

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*Update*

# Noise Management

- Noise Abatement Procedures
  - RNAV
  - Airport Vicinity Protection Area (AVPA)
- Acoustic Monitoring
  - 16 permanent noise monitoring terminals
  - 1 mobile noise monitoring terminal
  - Adding two temporary (2-3 year stations as part of the West Runway Rehabilitation Project)
- Addressing Noise Concerns
  - Airport Community Consultative Committee
  - Community Noise Hotline



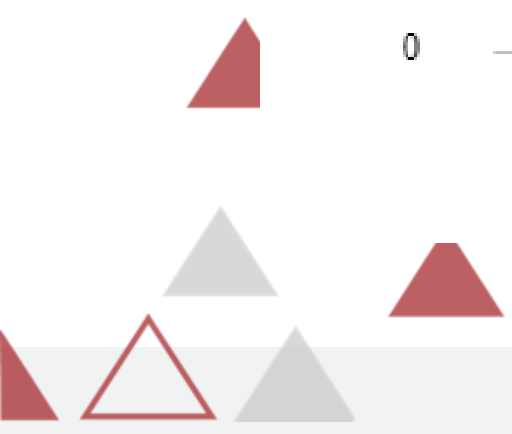
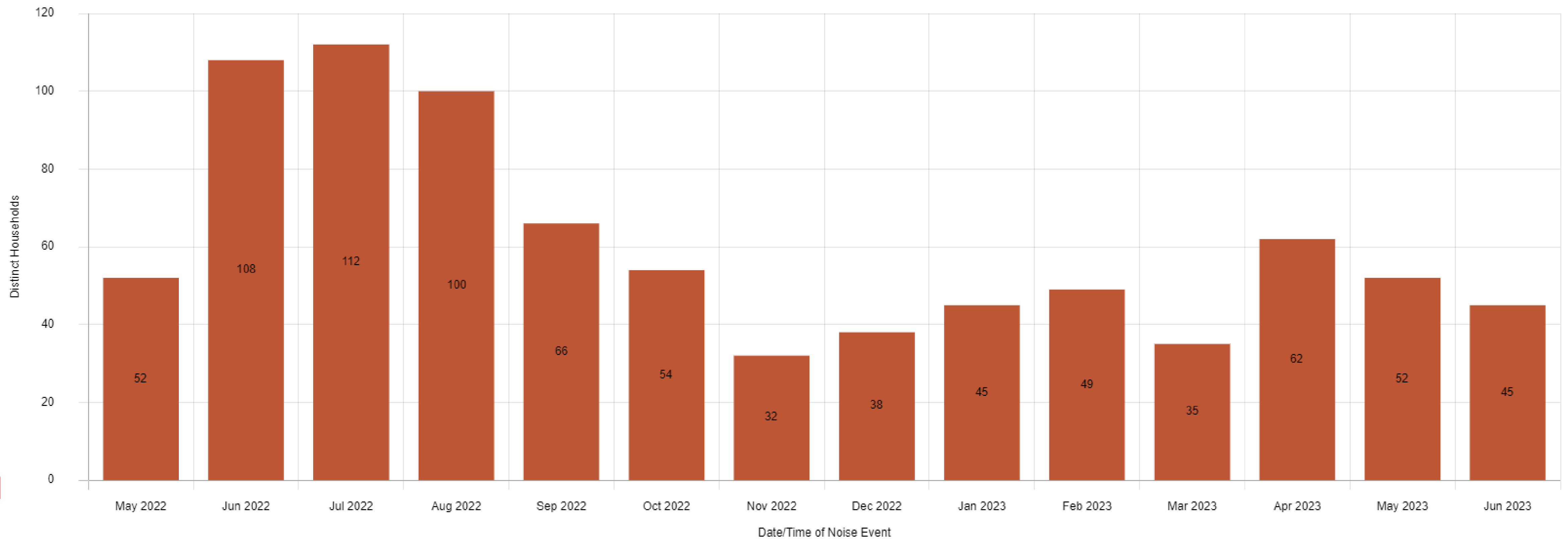
**ICAO BALANCED APPROACH**

FOCUSED ON REDUCING AVIATION NOISE

# Recent Noise Concerns



Distinct Households - Last 13 Months



# Recent Noise Concerns

## Current "Hot Spots"

- Distinct households over last 13 months:
  - 43 in Mayland Heights
  - 17 Rundle
  - 13 Oakridge
  - 12 Rundle
  - 12 Marlborough
  - 10 Southview
  - 10 Haysboro

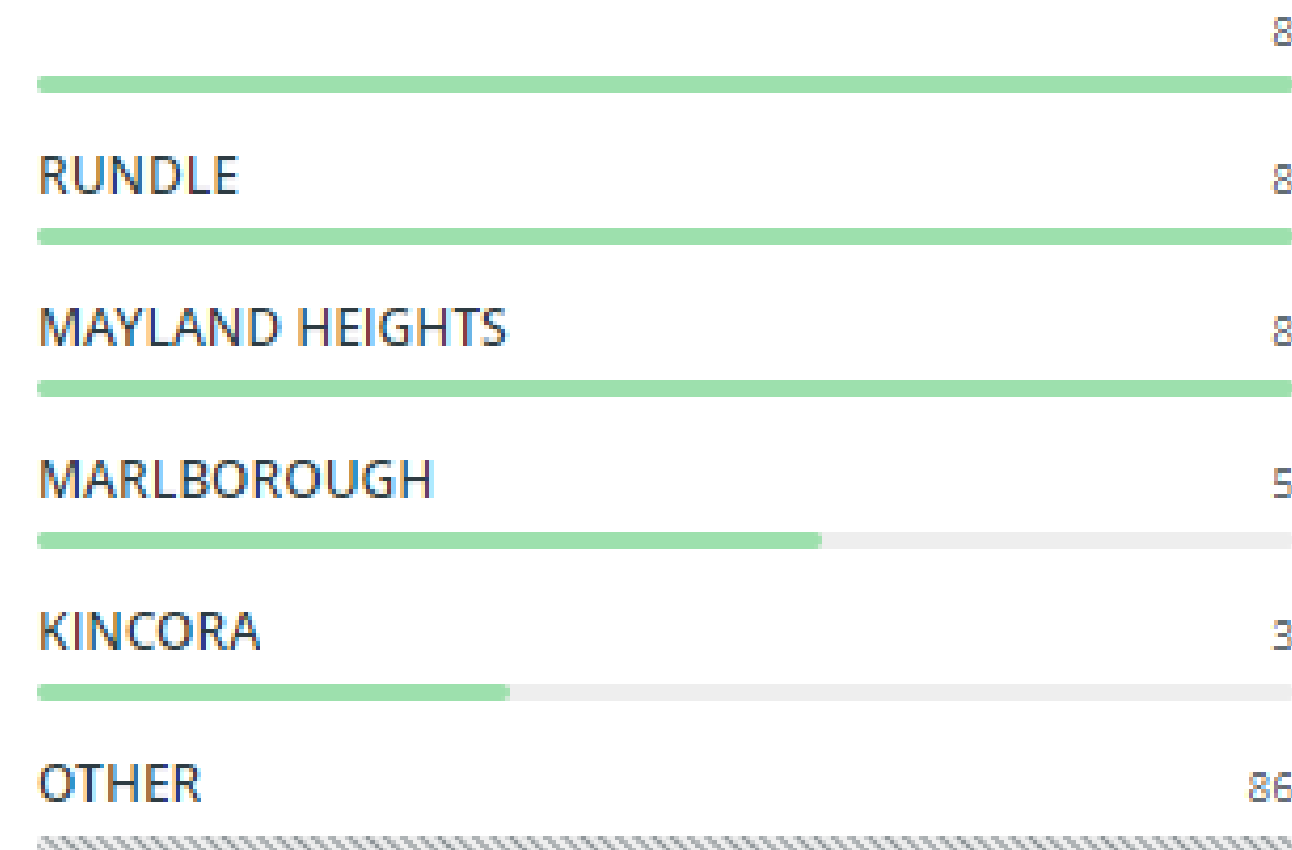
## Households, last 90 days

Households

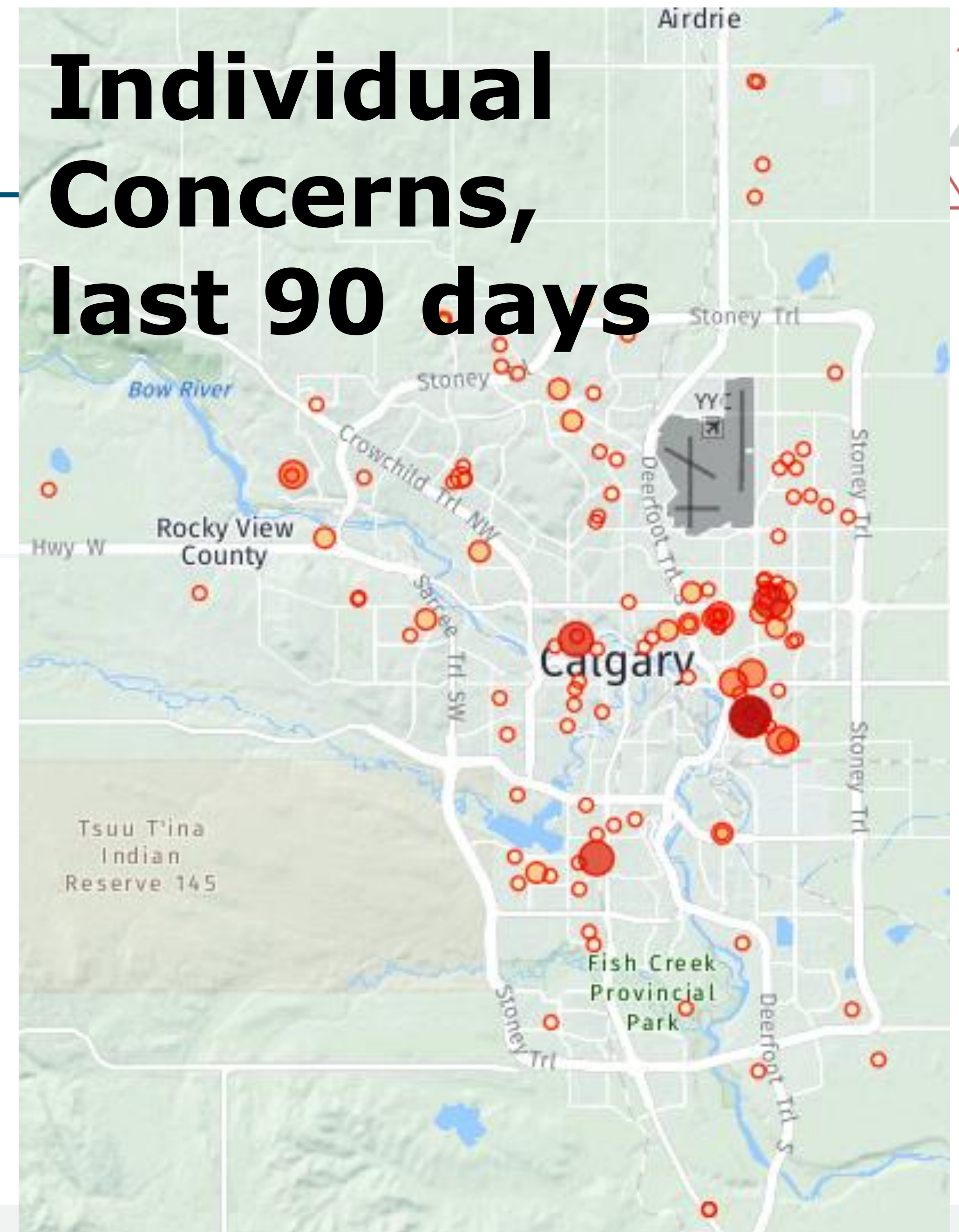
118

### Households per Community

ALL SELECTED



# Individual Concerns, last 90 days



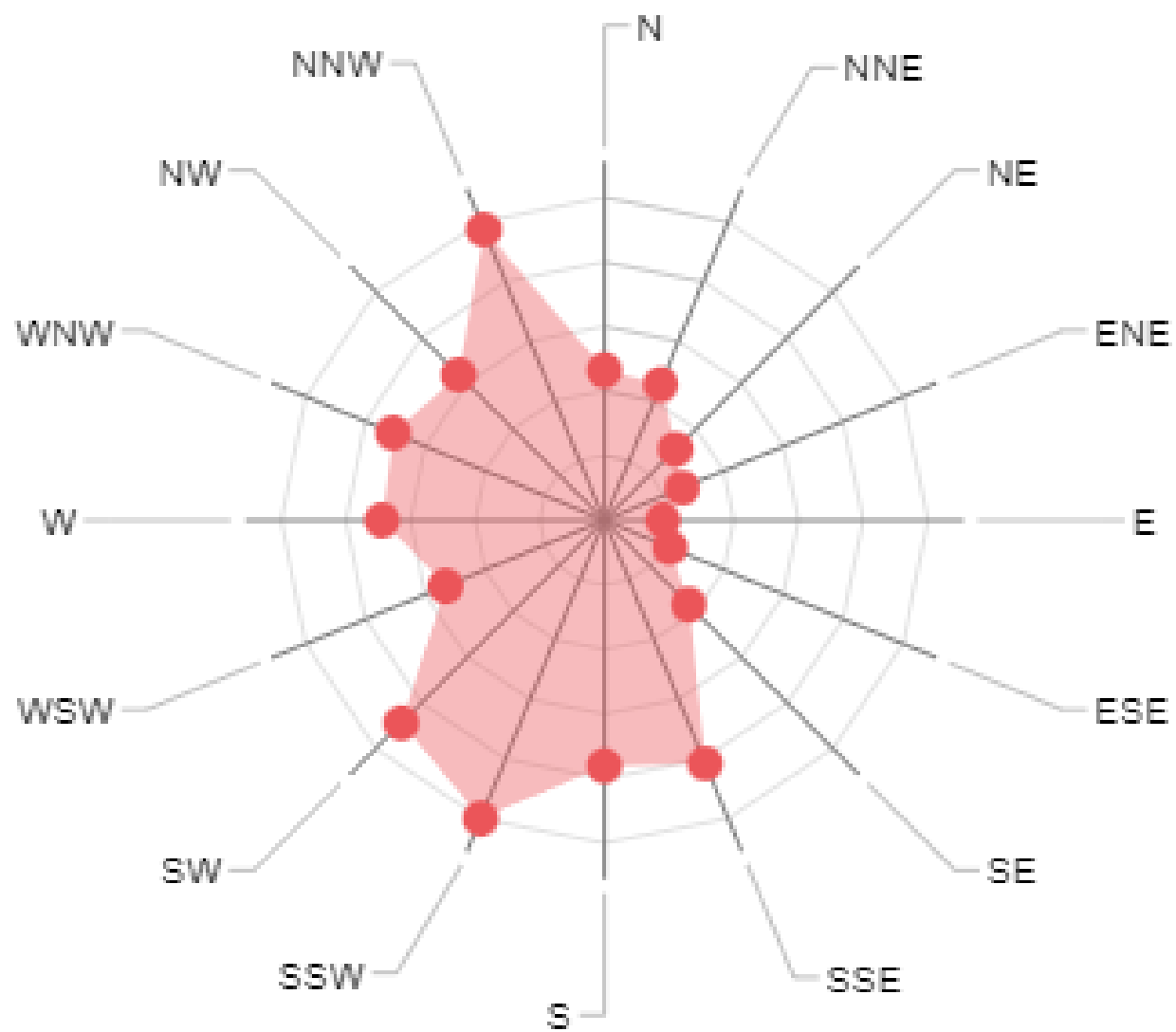
- Year**
- 2018
  - 2019
  - 2020
  - 2021
  - 2022
  - 2023
- Month**
- 01 Jan
  - 02 Feb
  - 03 Mar
  - 04 Apr
  - 05 May
  - 06 Jun
  - 07 Jul
  - 08 Aug
  - 09 Sep
  - 10 Oct
  - 11 Nov
  - 12 Dec

View Tabular Data

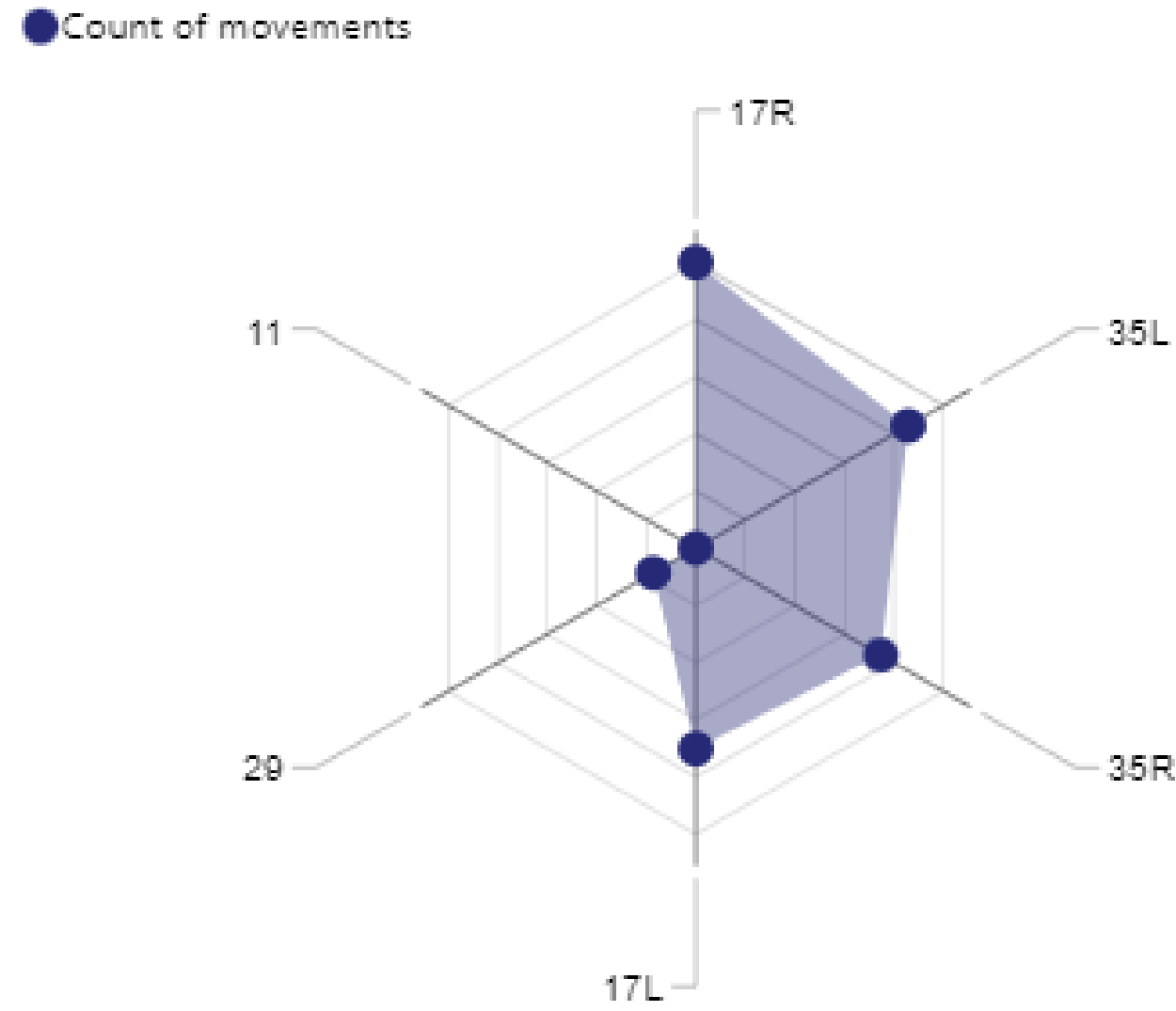
VRF Traffic and Aircraft Type



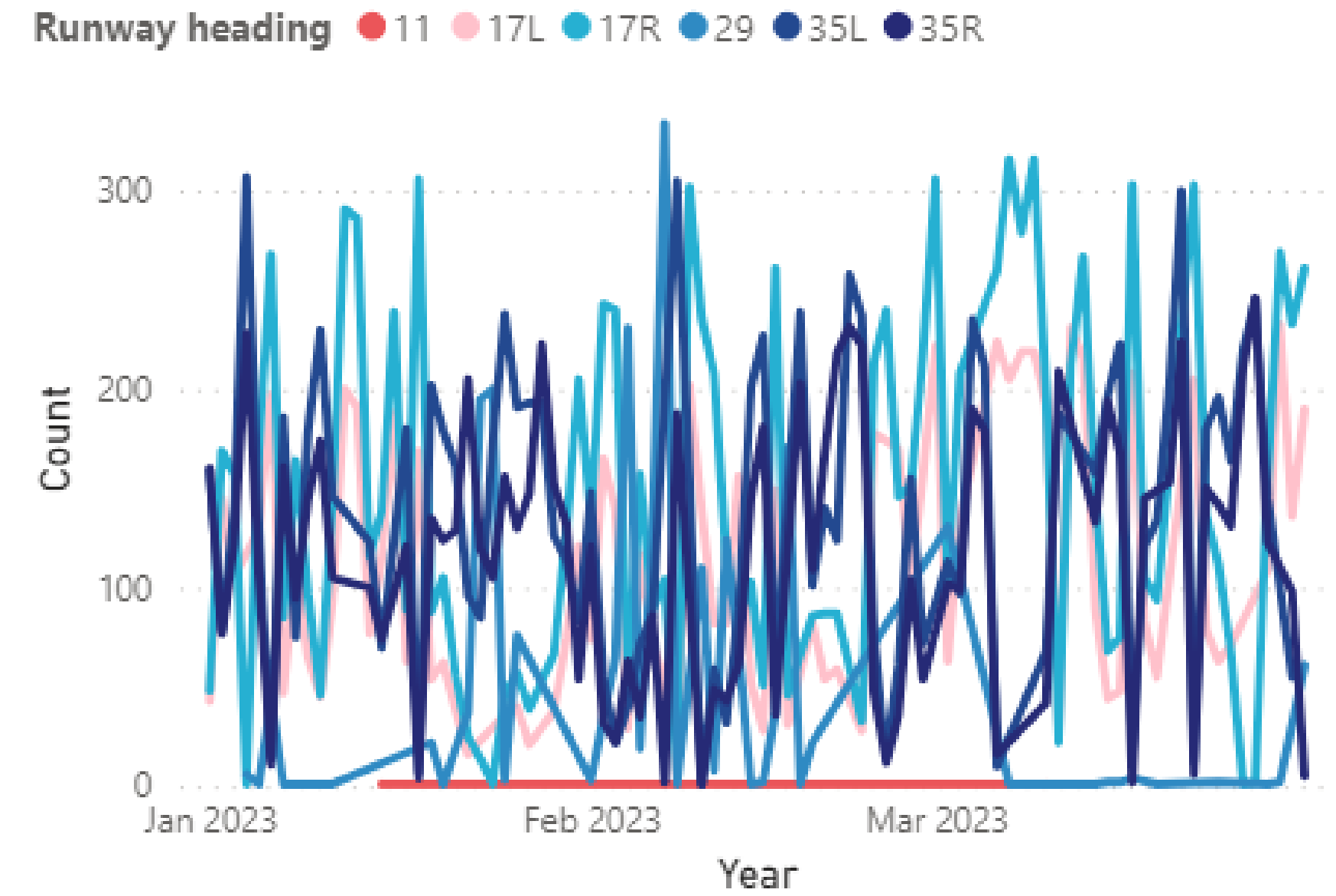
### Wind Rose (3-Hourly Observations @ 10m)



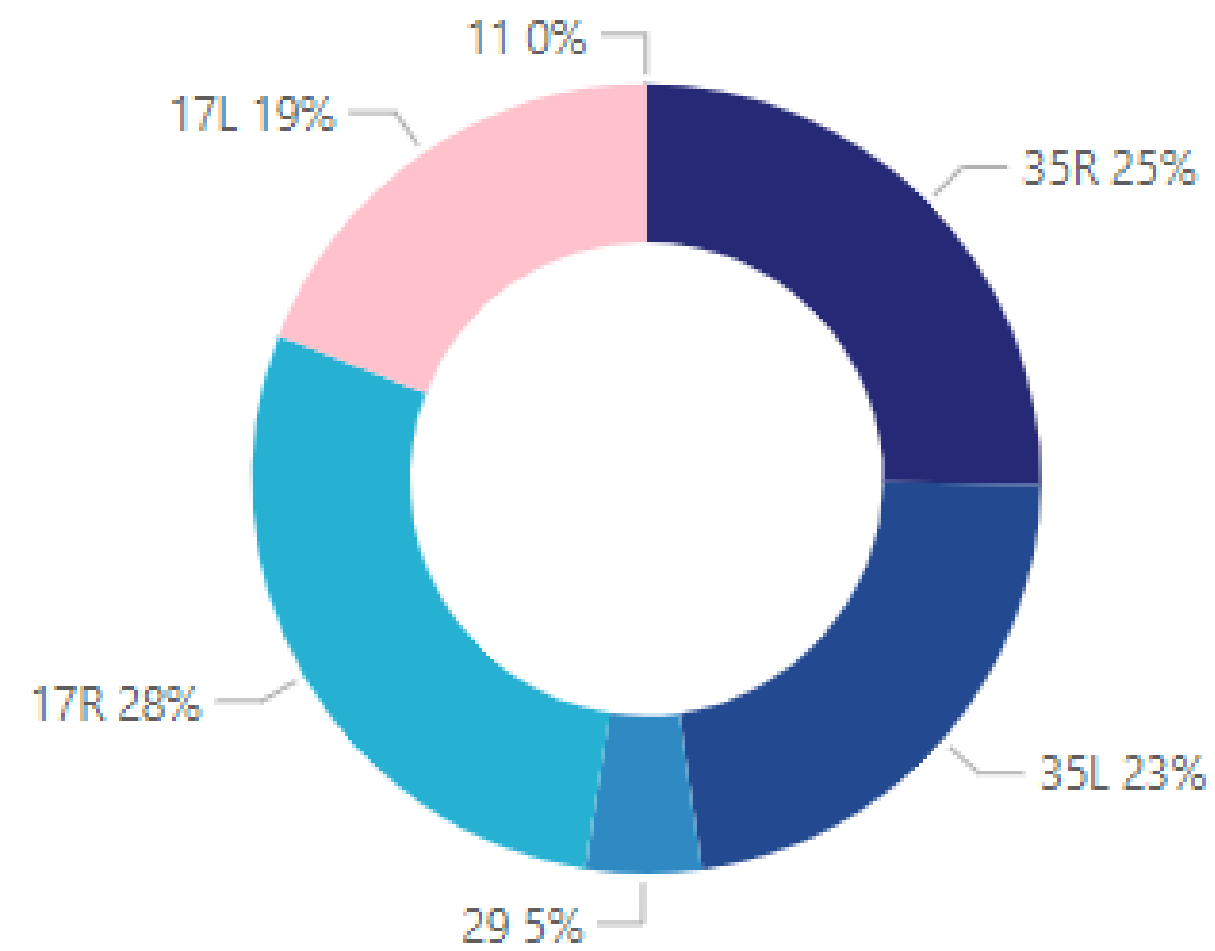
### Breakdown by Runway for Selected Timeframes



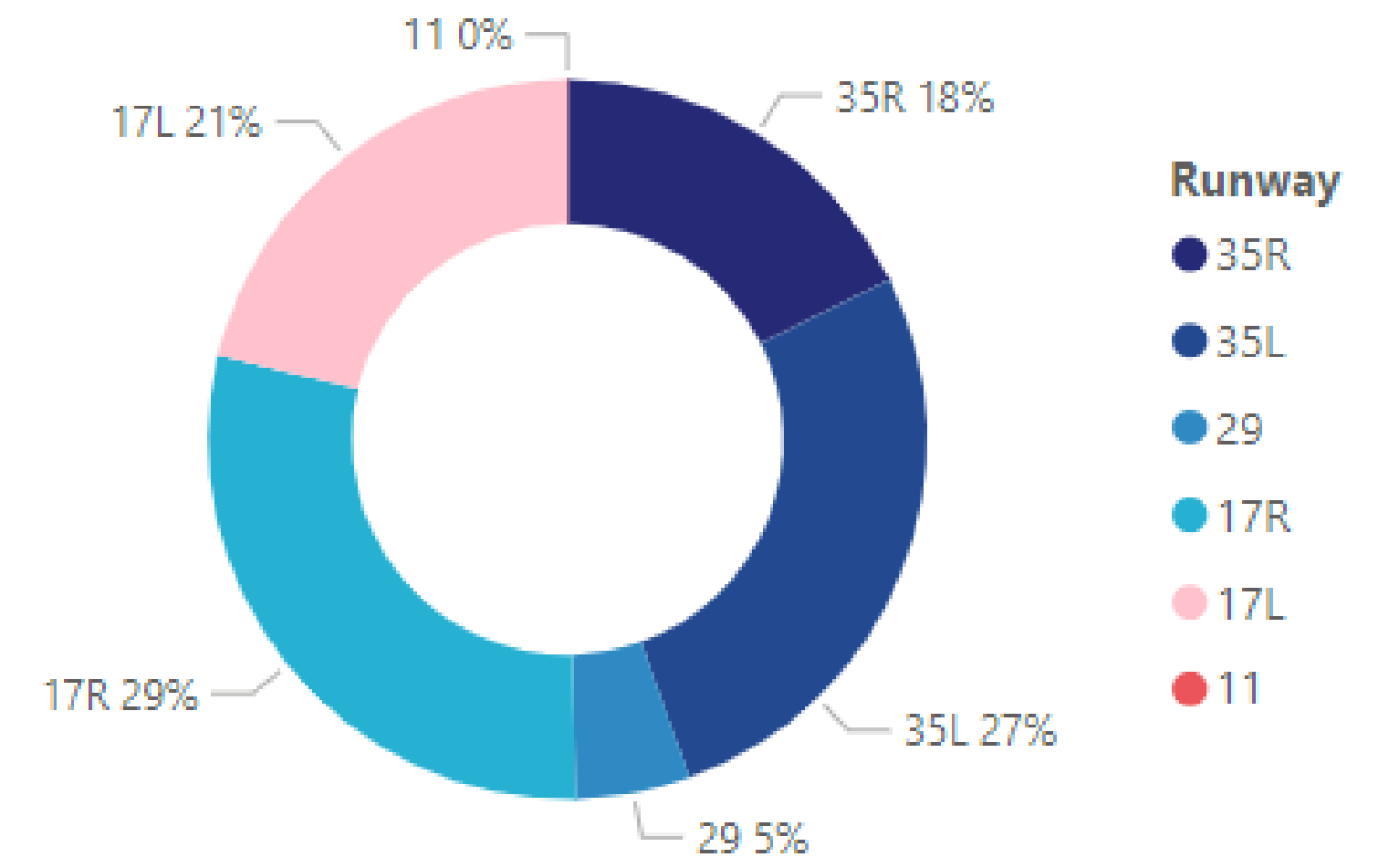
### Breakdown Over Time for Selected Timeframes



### Departures



### Arrivals



# HAWCS – Calgary Police Services

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- *A/Sergeant, Derek Field*

# Air Support Unit: HAWCS





# MEMBER ROUND TABLE

