

# YYC Update

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

December 12 | 2024



# Agenda

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- **Welcome**
- **Land Acknowledgment**
- **West Runway Rehabilitation Update**
- **YYC Operations Update**
- **NAV Canada Update**
- **Environment, Sustainability & Governance**
- **Guest Presentation**
- **Round-Table Discussion**







In the spirit of respect, reciprocity, and truth, we honour our ancestors and the original caretakers of this land long before we were here. We recognize the Treaty 7 territory, home to the Blackfoot Confederacy, comprising the **Siksika, Kainai, and Piikani** First Nations, as well as the **Tsuut'ina** and the **Îyâxe Nakoda** Nations, including the **Bearspaw, Chiniki,** and **Goodstoney** First Nations. Additionally, the City of Calgary is shared with the **Otipemisiwak Métis Government**, encompassing **Districts 5** and **6**.

As one of North America's leading hubs for connectivity, YYC Calgary International Airport welcomes a global community of visitors, connecting them to nationally significant landmarks and experiences throughout the region. These include Banff National Park, the Canadian Badlands, Waterton Lakes, the Rocky Mountains, and many authentic Indigenous tourism experiences.

Committed to the growth and prosperity of the diverse communities on these traditional lands, YYC supports the lives, work, and leisure of those who inhabit and visit the areas we serve.



# WEST RUNWAY REHABILITATION

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ACCC Quarterly Meeting: December 12, 2024





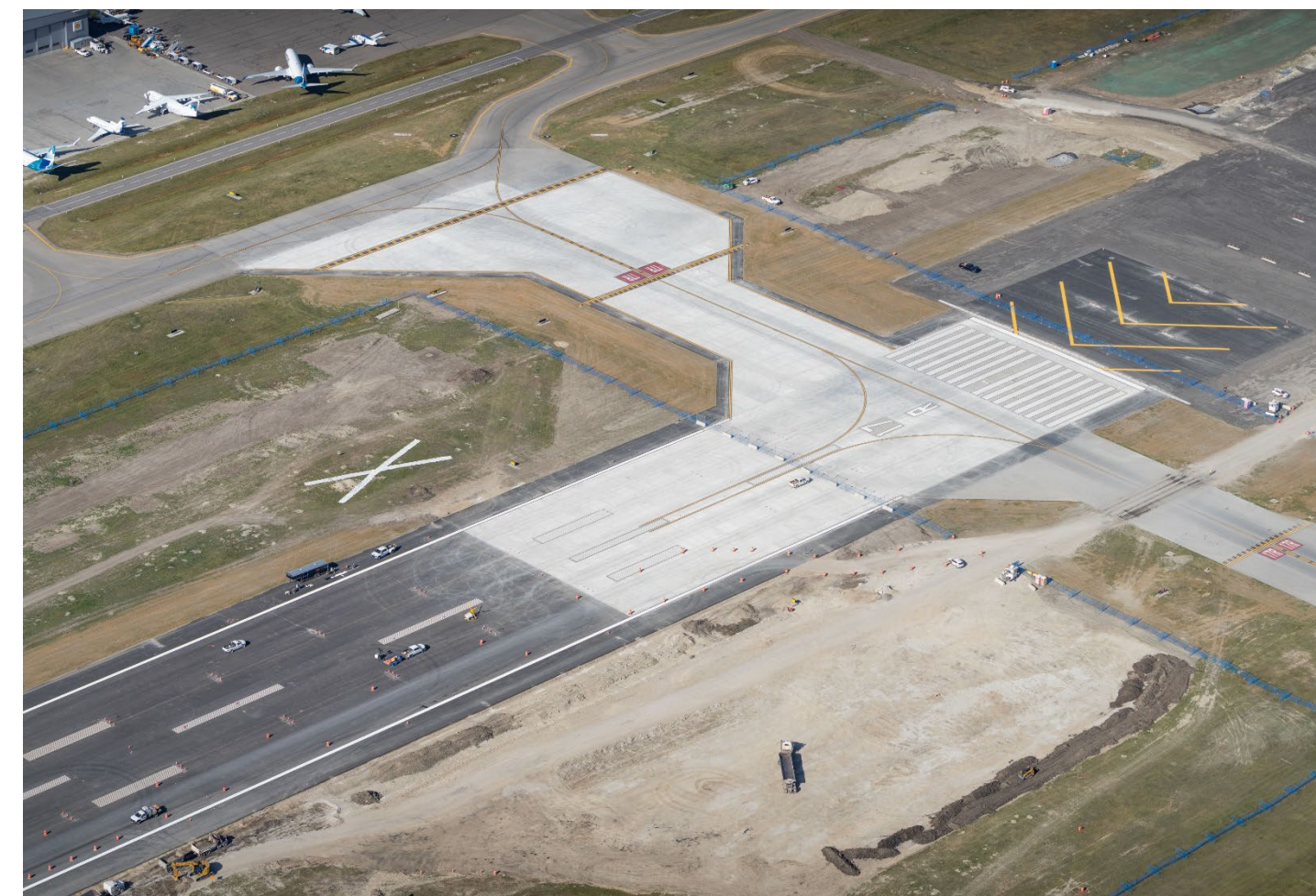
RY  
TV  
RTV



# 2024 CONSTRUCTION

## Phases 1-4 completed:

- Relocated both north vehicles service roads
- North blast pad completed
- North and South RESA completed
- Rehabilitation of 17R/35L completed north of 11-29 Intersection including approach lights towers
- Rehabilitation of electrical infrastructure is partially completed.
- Improvements to storm management system is completed north of 11-29 intersection
- Electrical and communications duct banks are partially completed.





# SAFETY UPDATE

Incredible effort and commitment by all workers - trades, consultants and contractors!

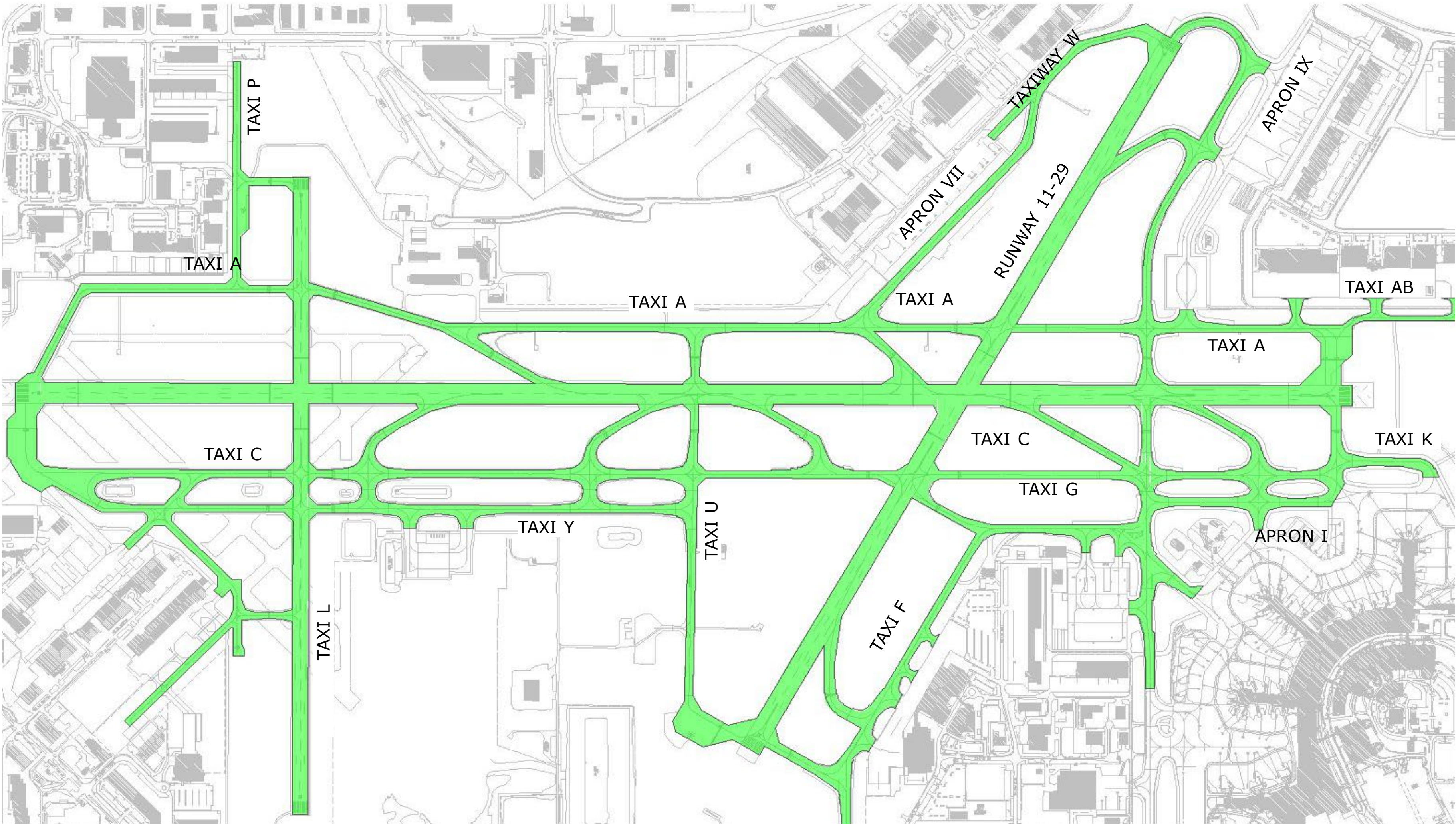


Metrics	
Hours Worked	210, 000
Hazard Assessments Completed	6054
Audits Completed	1921
Inspections Completed	109
Hazards Corrected	601
Work related incidents requiring medical aid, first aid	0
Lost Time Injury	0



# CURRENT STATUS | Winter 2024/2025

**DURATION:**  
December 2024 to  
March 2025



**RUNWAY 17R-35L OPEN (CAT I)**  
**RUNWAY 11-29 OPEN**

**NO OPERATIONAL IMPACTS**





## 2025 CONSTRUCTION SCOPE

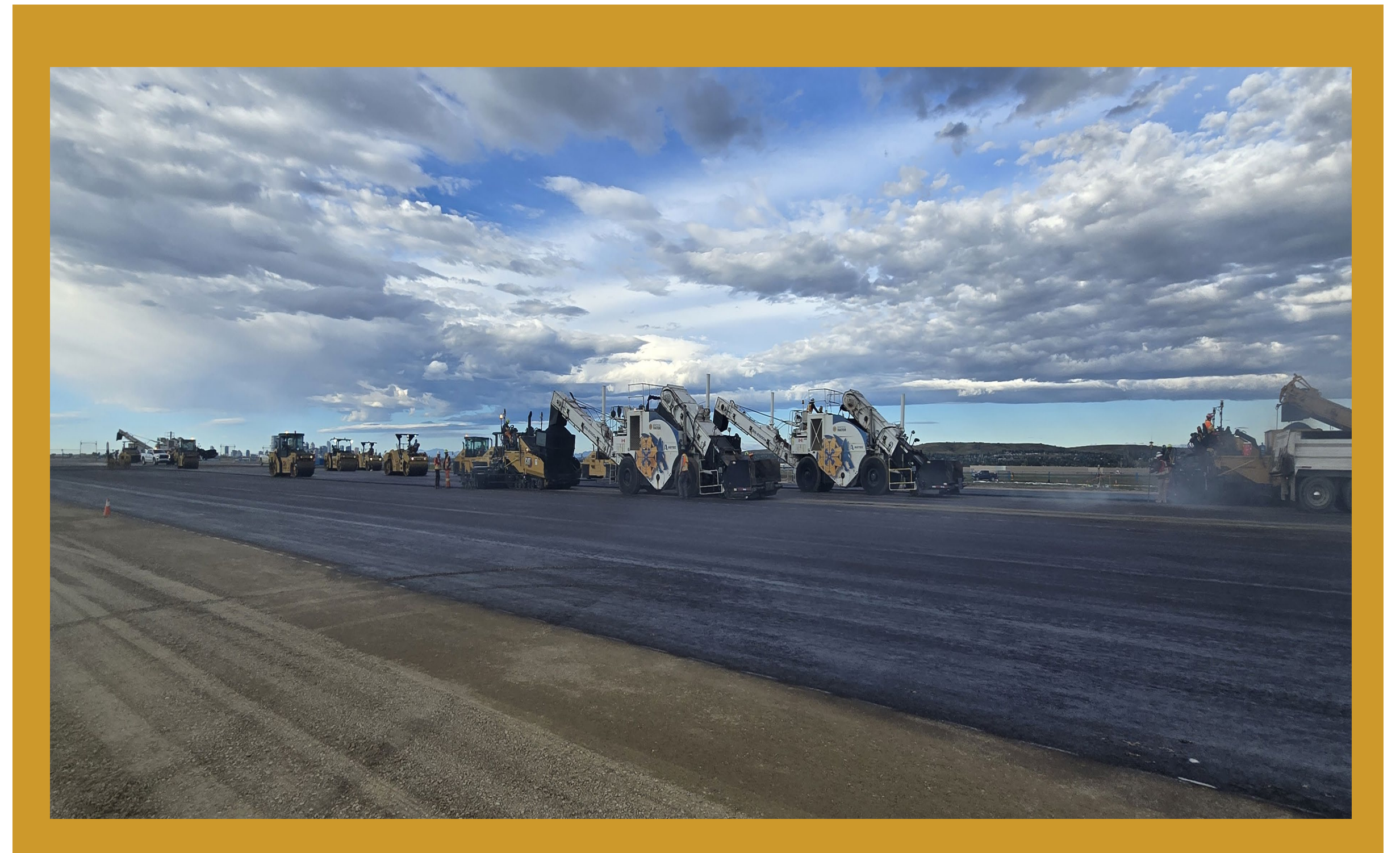
- Complete the rehabilitation of Runway 17R/35L pavement structures and visual aids
- New and upgraded approach lighting system, new runway centerline lights, touchdown lights, new exit taxiway centerline lights
- Upgrading electrical system to CAT II
- Complete power and communication duct banks work
- Complete storm management system improvements



# 5,500 m<sup>3</sup> Concrete Pavement



# 100,000 m<sup>2</sup> Asphalt Paved





# QUESTIONS?

**Laura Samson**, Director of Infrastructure

[lauras@yyc.com](mailto:lauras@yyc.com)

**Evan Dyson**, GM Civil Construction

[evand@yyc.com](mailto:evand@yyc.com)







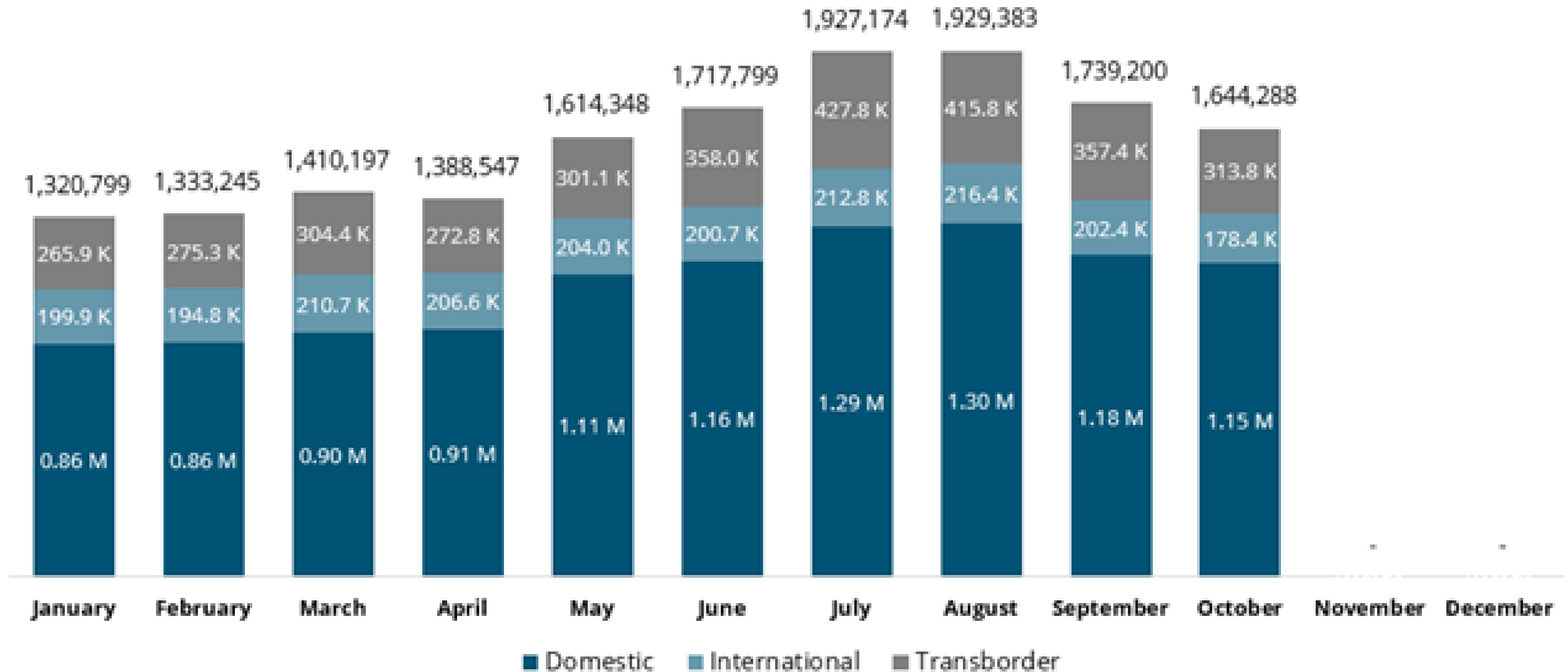
January 2024 – October 2024

YYCUpdate





## YYC Monthly E&D Passengers - 2024





NAV CANADA ► PROPRIETARY

# ATC Winter Operations

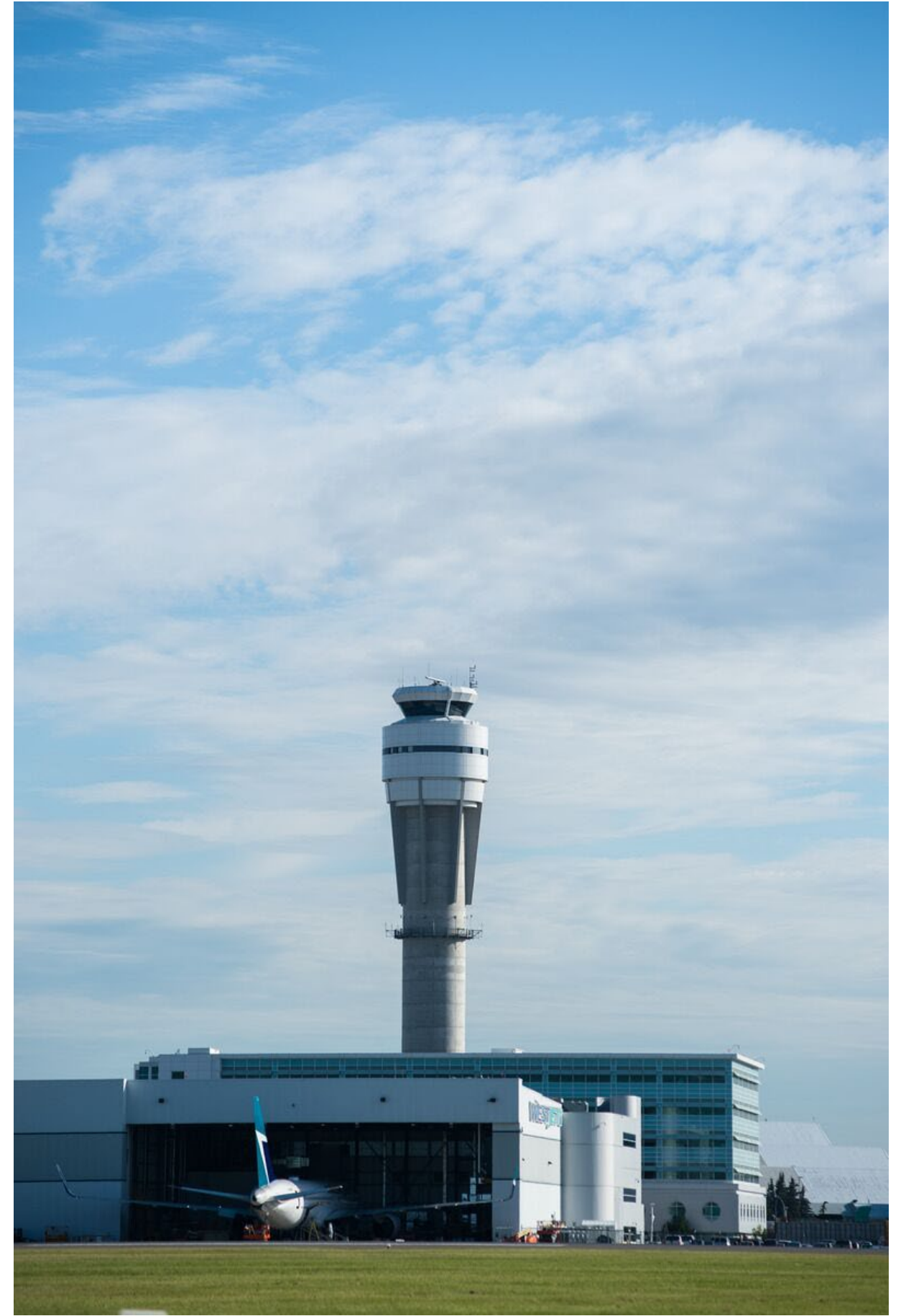


Serving a world in motion  
[navcanada.ca](http://navcanada.ca)





# Preparing!





# Time and Complexity







# Runway Surfaces



## ✓ RSC by Full Runway Length

Provide an RSC by full runway length using the following phraseology.

 Notes	
[ location ] RUNWAY SURFACE CONDITION	If the location differs from where the control service is being provided, issue the location.
( runway id )	Runway Identification
( condition )	—
[ ON ( date ) ]	If the date of the report differs from the current date, include the date in the report.
AT ( time )	Time – The time relayed to the pilot is the RSC valid “from” time.

-  FORT MCMURRAY RUNWAY SURFACE CONDITION, RUNWAY ZERO-EIGHT-TWO-SIX, ONE-ZERO-ZERO PERCENT WET, AT ONE-FOUR-ONE-FIVE.
- RUNWAY SURFACE CONDITION RUNWAY TWO-FIVE, NINE-ZERO PERCENT ONE-HALF INCH DRY SNOW AND ONE-ZERO PERCENT COMPACTED SNOW ON MARCH EIGHTH AT TWO-THREE-ONE-FIVE.
- RUNWAY SURFACE CONDITION, RUNWAY ZERO-FOUR-TWO-TWO, FIVE-ZERO PERCENT ONE-EIGHTH INCH DRY SNOW AND TWO-FIVE PERCENT COMPACTED SNOW, ONE-SIX-ZERO FOOT WIDTH, REMAINING WIDTH COMPACTED SNOW, AT ONE-THREE-TWO-FIVE.



# Snow





Questions?





# Aviation Noise and Operational Update

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December 12 | 2024

**YYC** CALGARY  
AIRPORT  
AUTHORITY



# Runway Usage Trends

## ⇒ Dashboard overview

<https://www.yycsustainability.com/healthy-people-communities/#4.1>



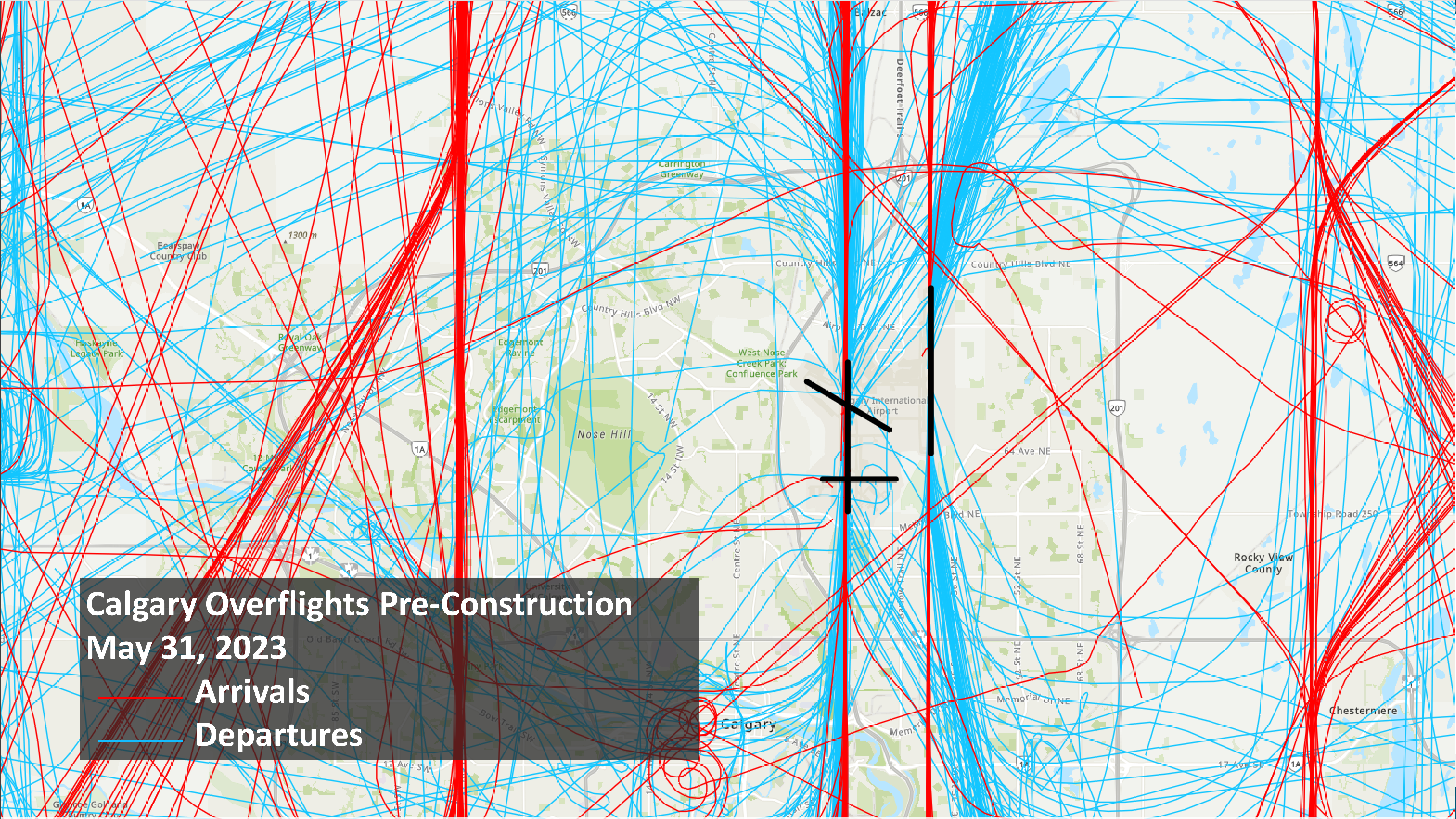


# Calgary Overflights Pre-Construction

May 31, 2023

— Arrivals

— Departures







# Calgary Overflights Mid-Construction West Runway Closed May 29, 2024

— Arrivals

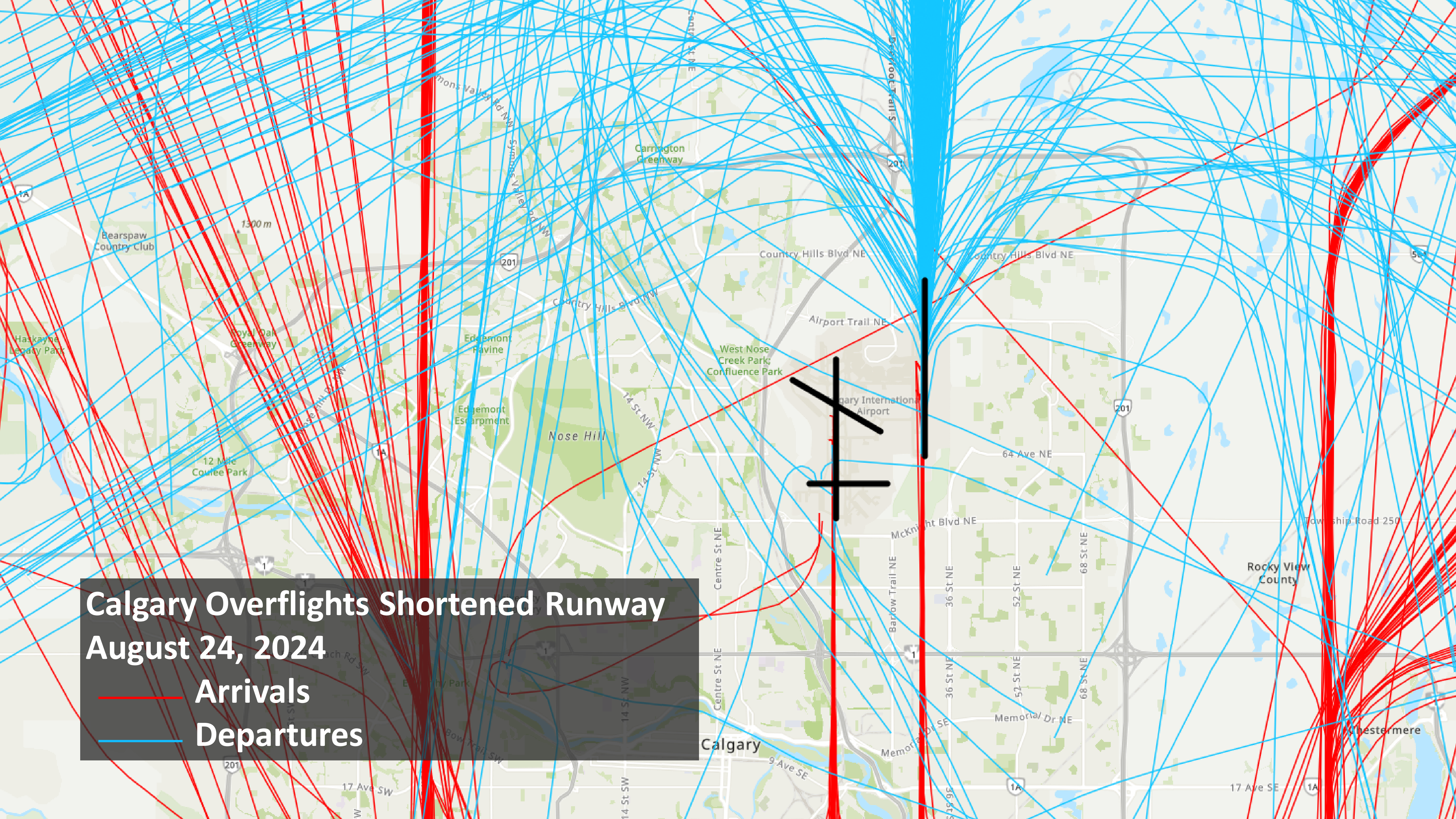
— Departures



# Calgary Overflights Shortened Runway August 24, 2024

— Arrivals

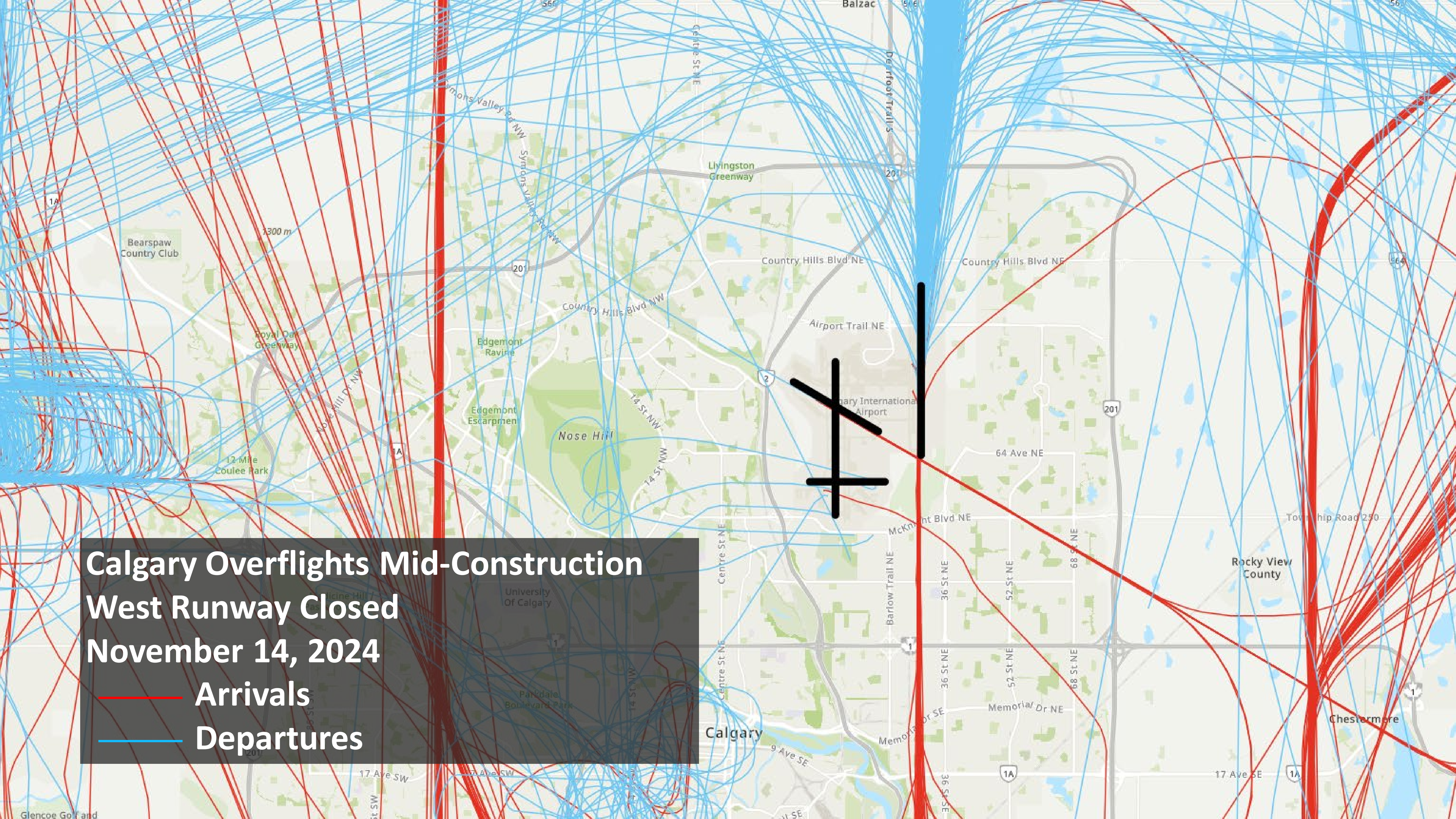
— Departures





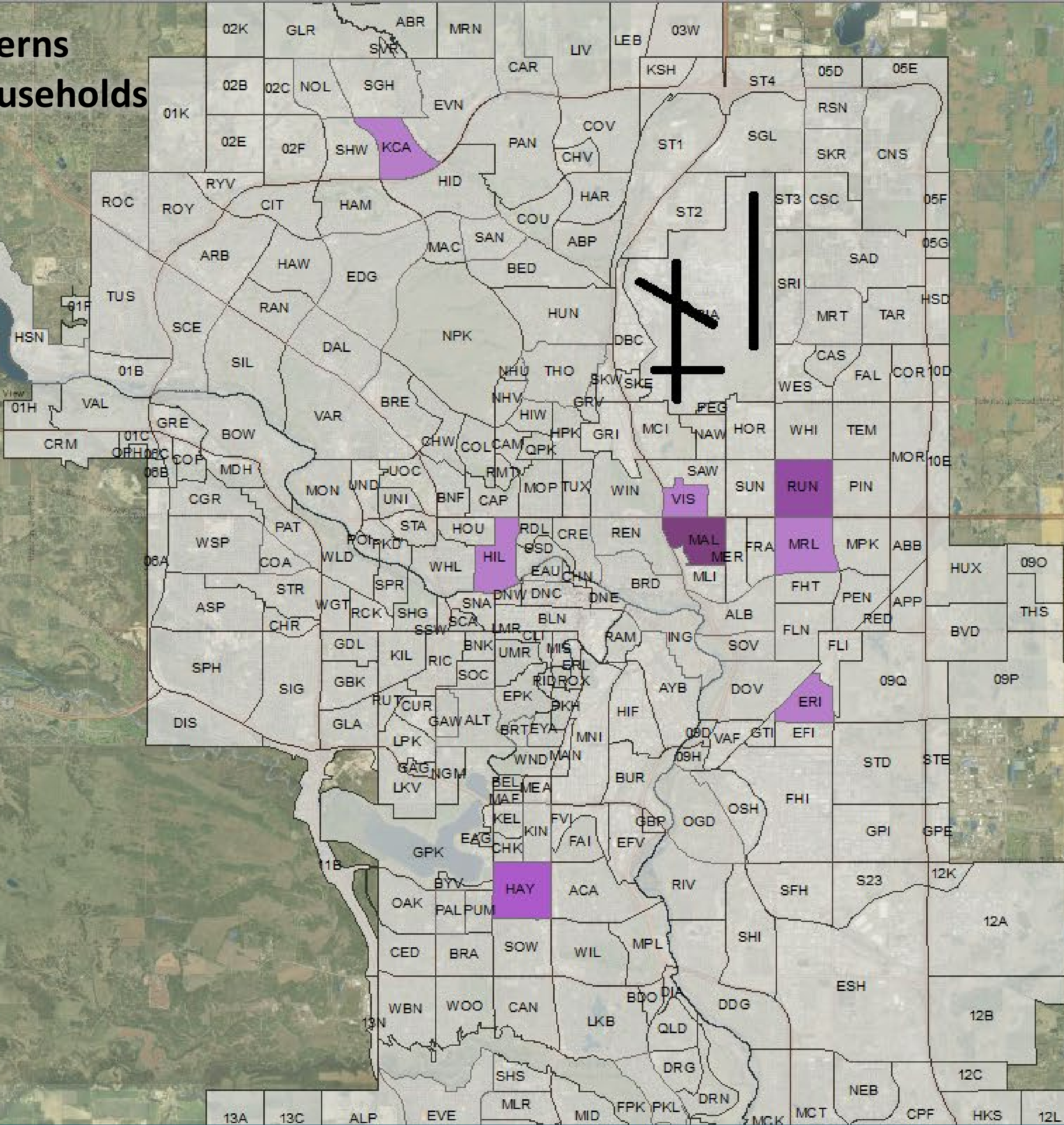
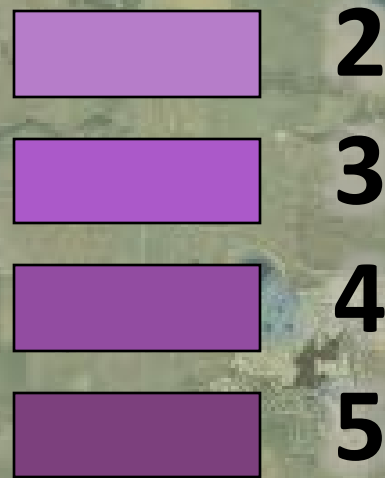
# Calgary Overflights Mid-Construction West Runway Closed November 14, 2024

— Arrivals  
— Departures





Pre-Construction Concerns  
Number of Distinct Households  
May, 2023

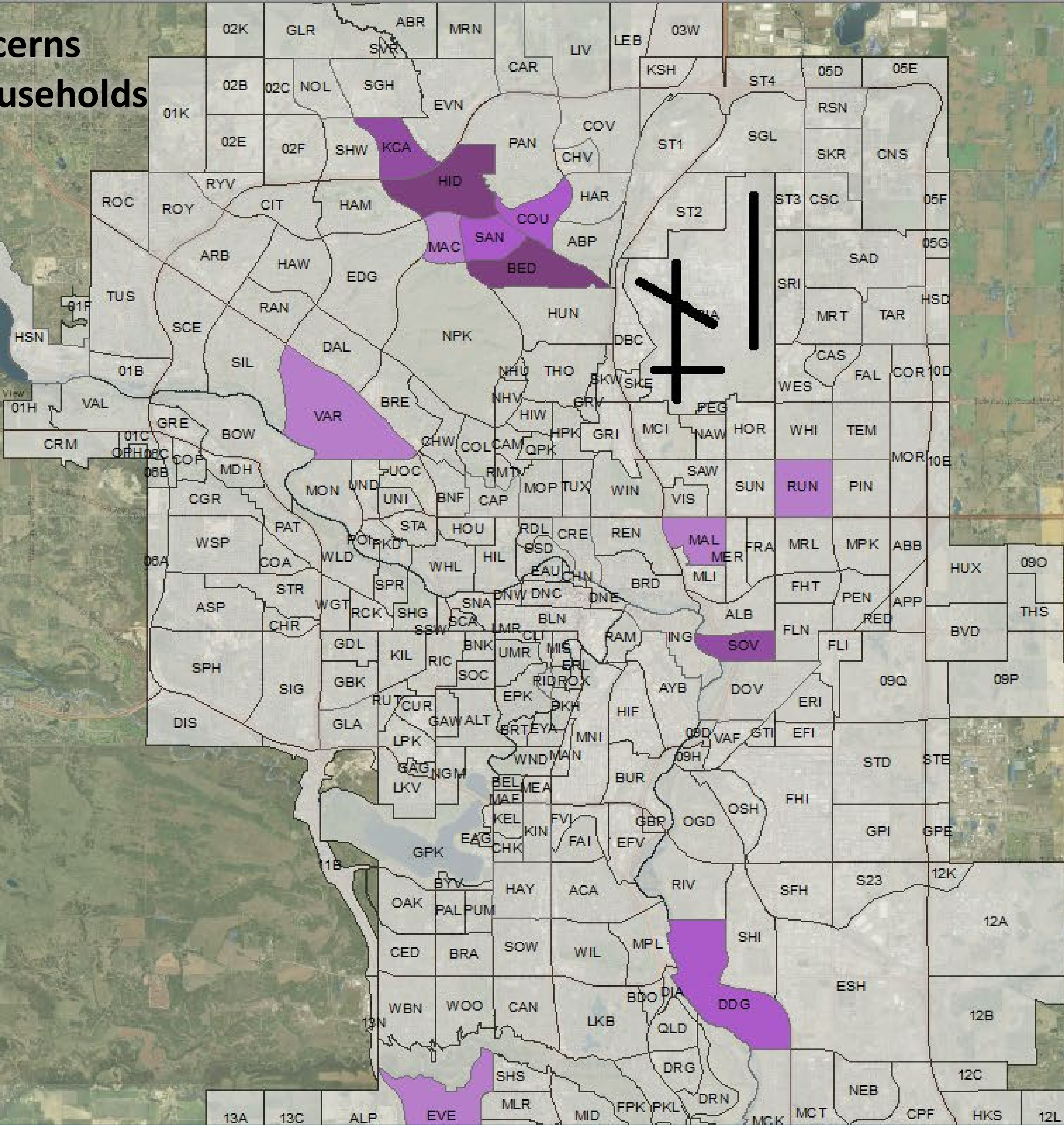
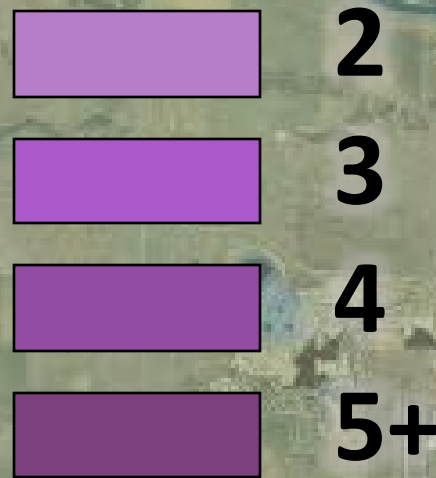




# Mid-Construction Concerns

## Number of Distinct Households

May, 2024

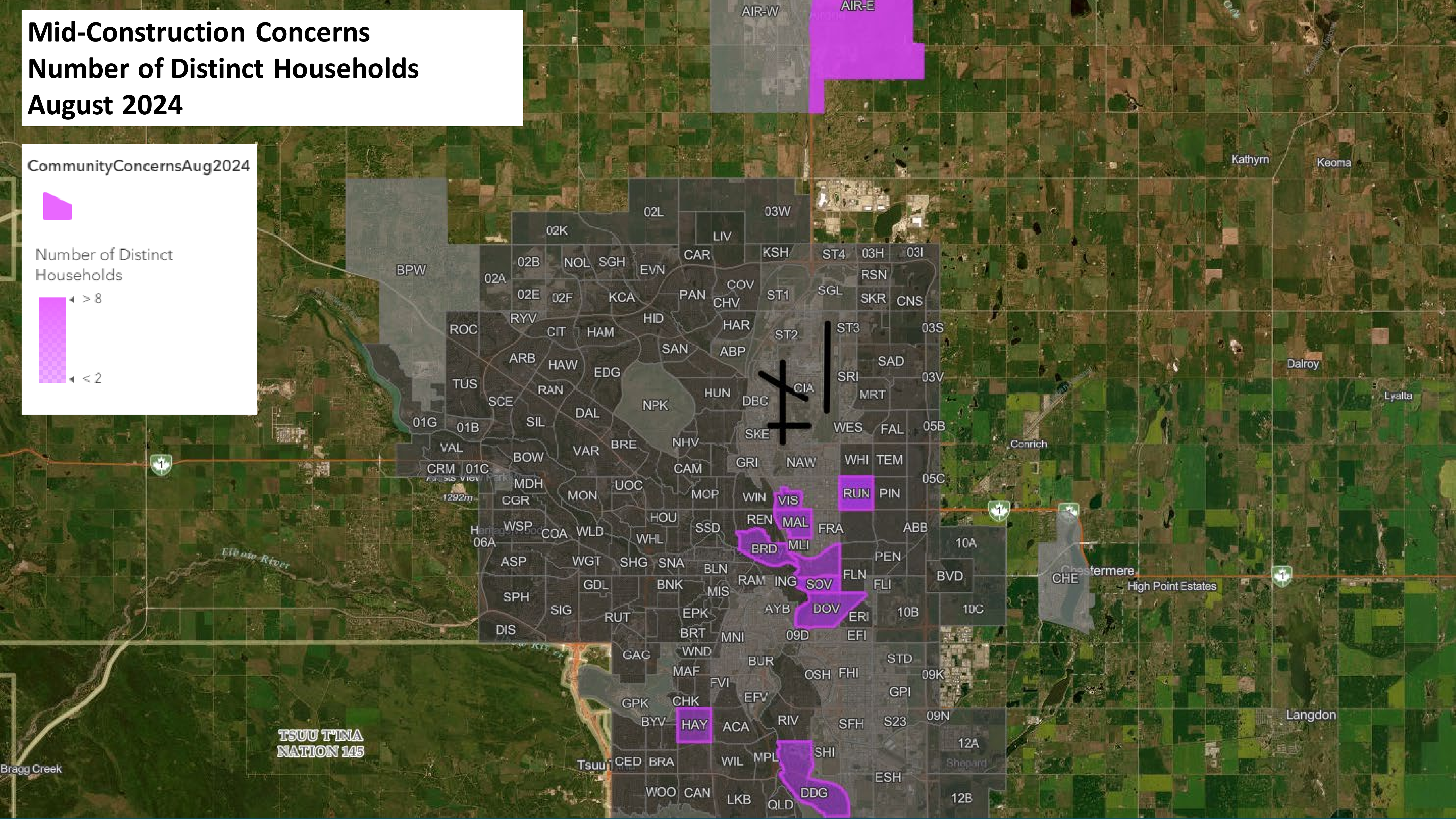
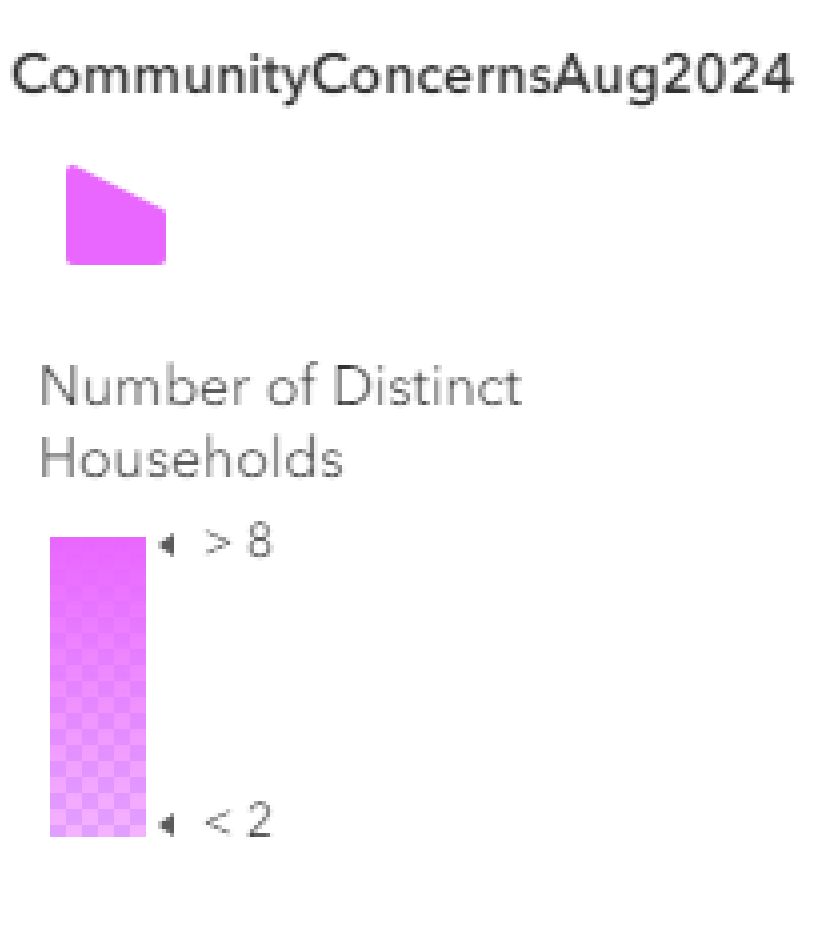




# Mid-Construction Concerns

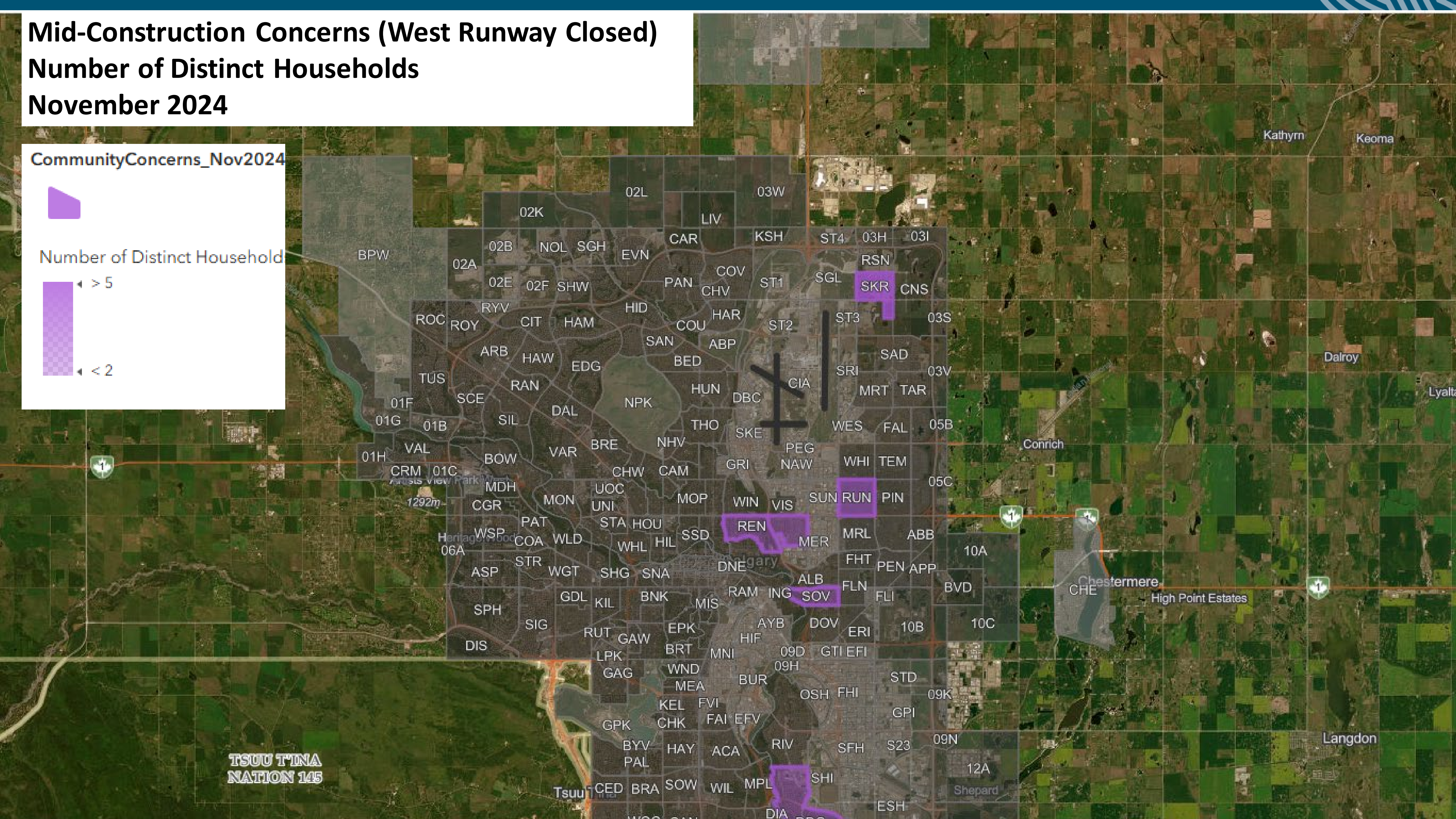
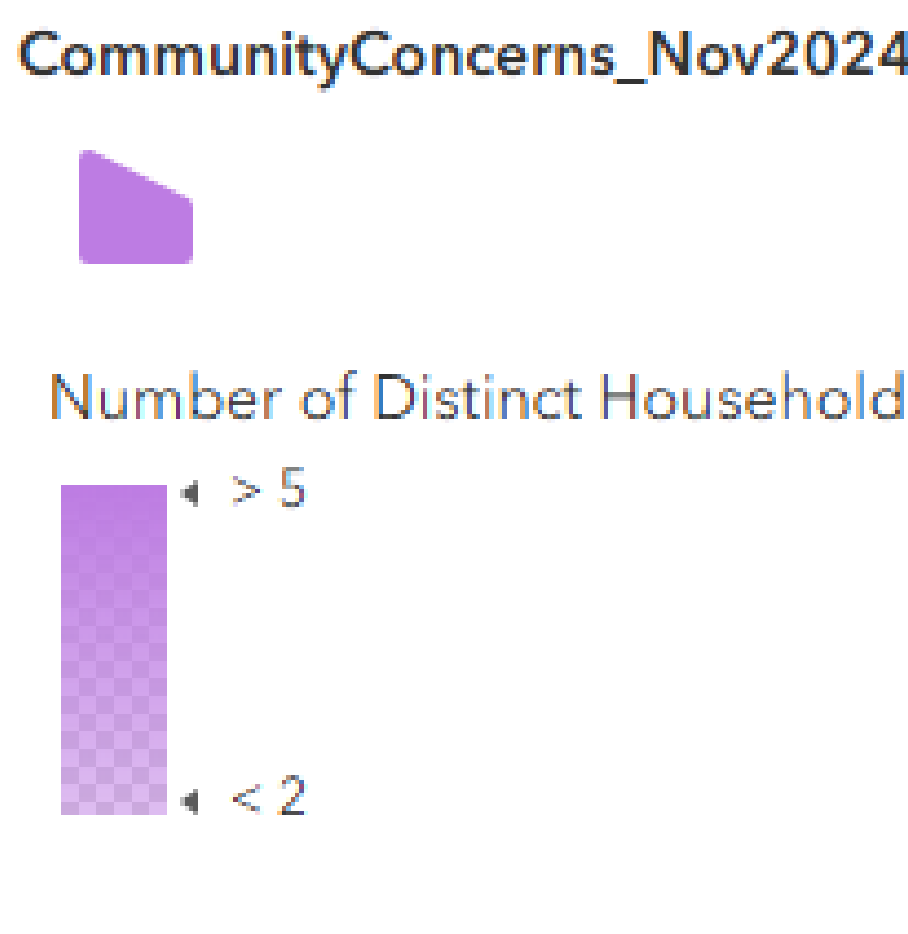
## Number of Distinct Households

### August 2024



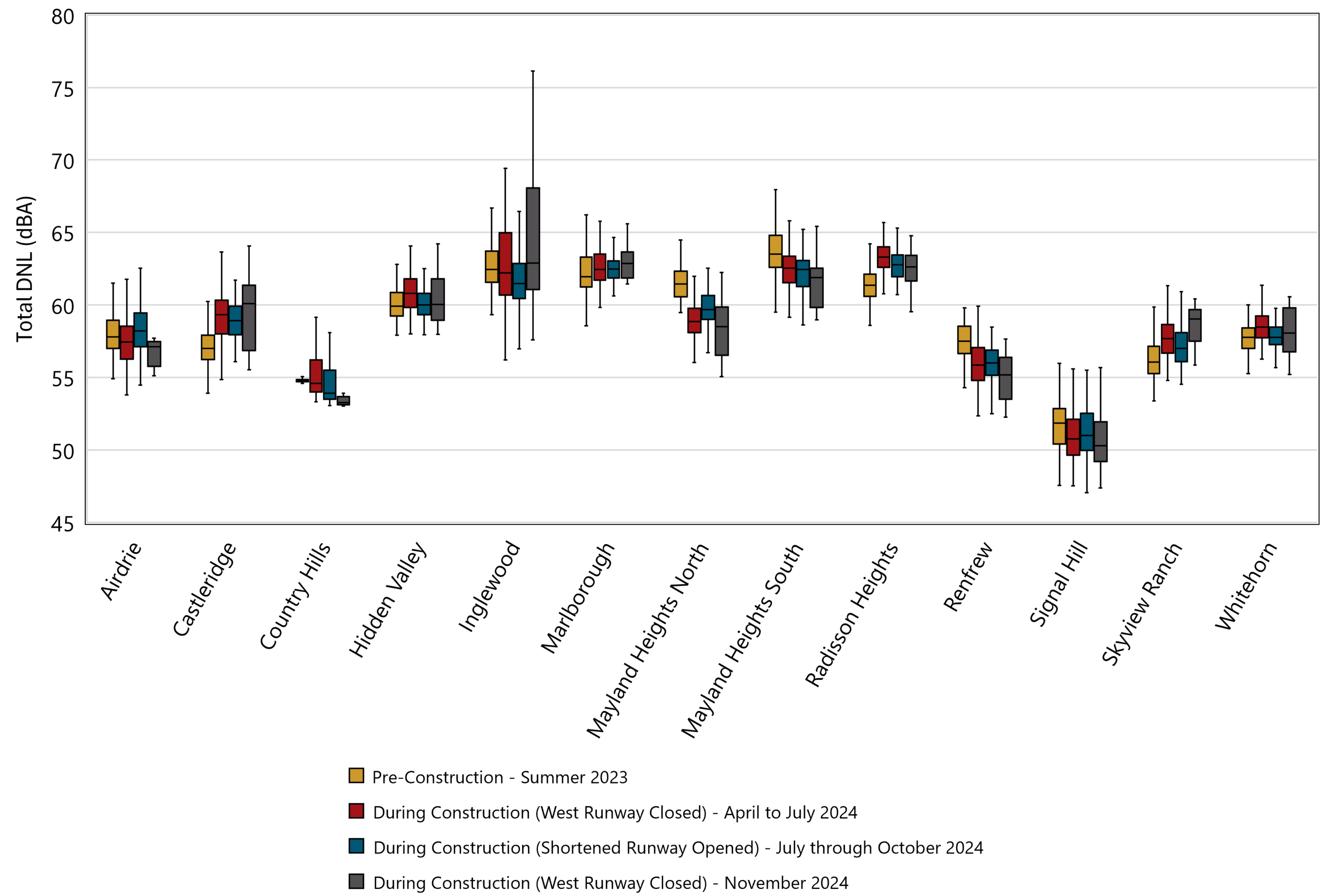


# Mid-Construction Concerns (West Runway Closed) Number of Distinct Households November 2024



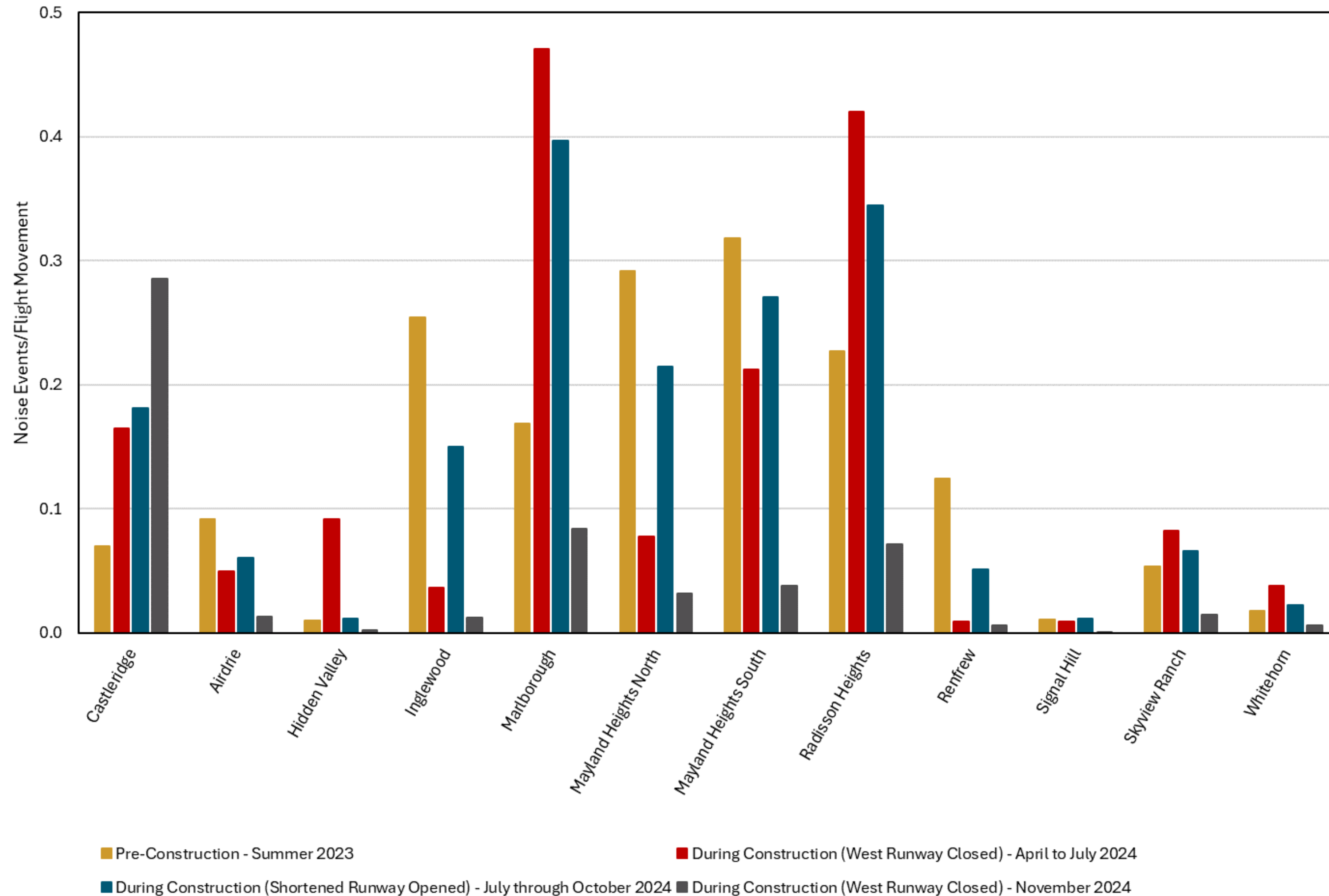


Total DNL During Different Project Phases





## Noise Events per Flight Movement





# Air Cargo 101





# OUR MANDATE

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## We will:

**Manage and operate the Calgary and Springbank airports** for which we are responsible in a safe, secure and efficient manner.

**Advance economic and community development** by means that include promoting and encouraging improved airline and transportation service and an expanded aviation industry.

**For the general benefit of the public in our region.**

**YYC** CALGARY  
AIRPORT  
AUTHORITY





# YYC Cargo Operations

**\$500M**

IS GENERATED BY YYC  
TOWARD THE CITY AND  
REGIONS' GDP



**5.5%**

Of YYC Overall Impact



**\$250M**

Annual Labour Income



**6K+**

PEOPLE ARE  
EMPLOYED ON  
YYC CAMPUS







## APRON IX

### **Apron IX:**

- CBSA
- Cargojet
- Air Canada Cargo
- DHL
- GTAdnata

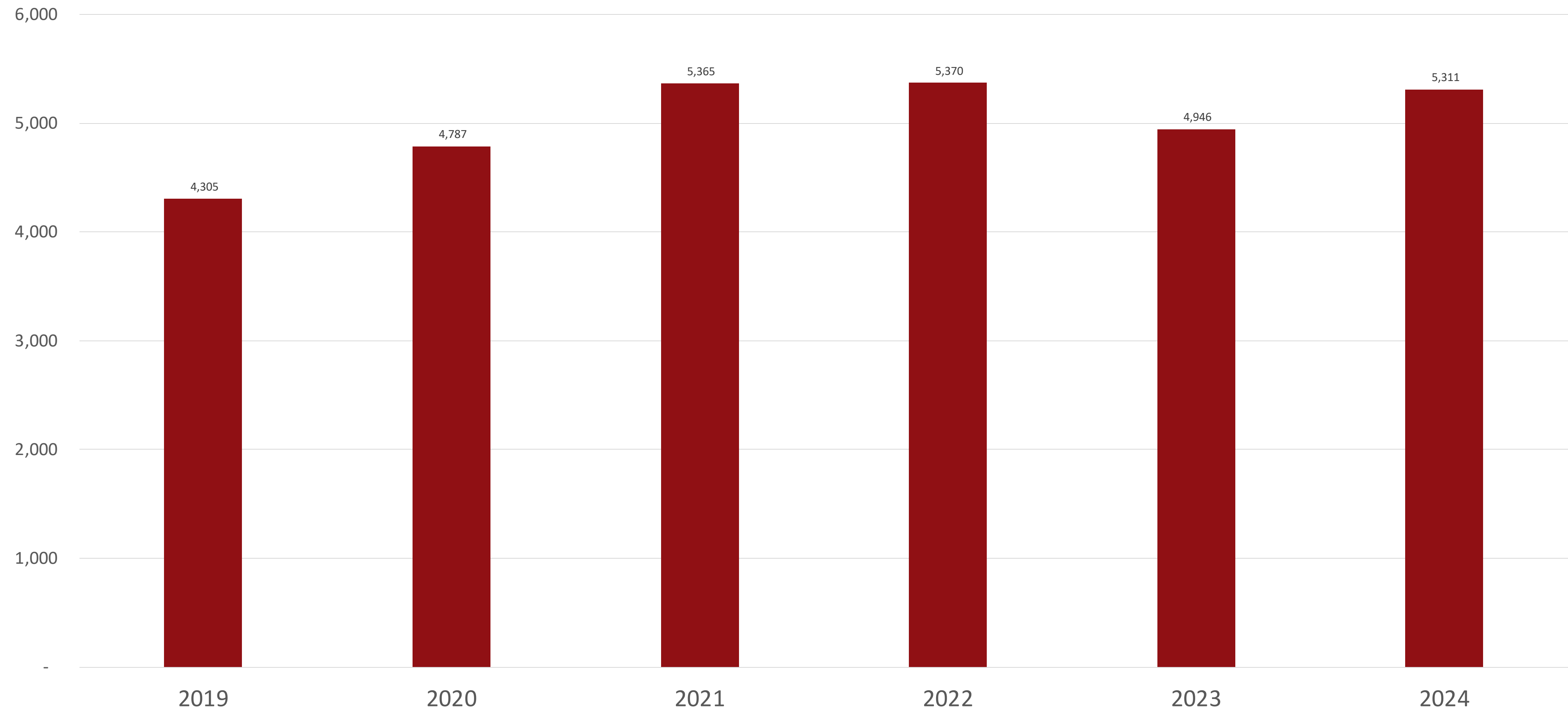
## APRON VII

### **Apron VII:**

- Purolator
- FedEx
- UPS

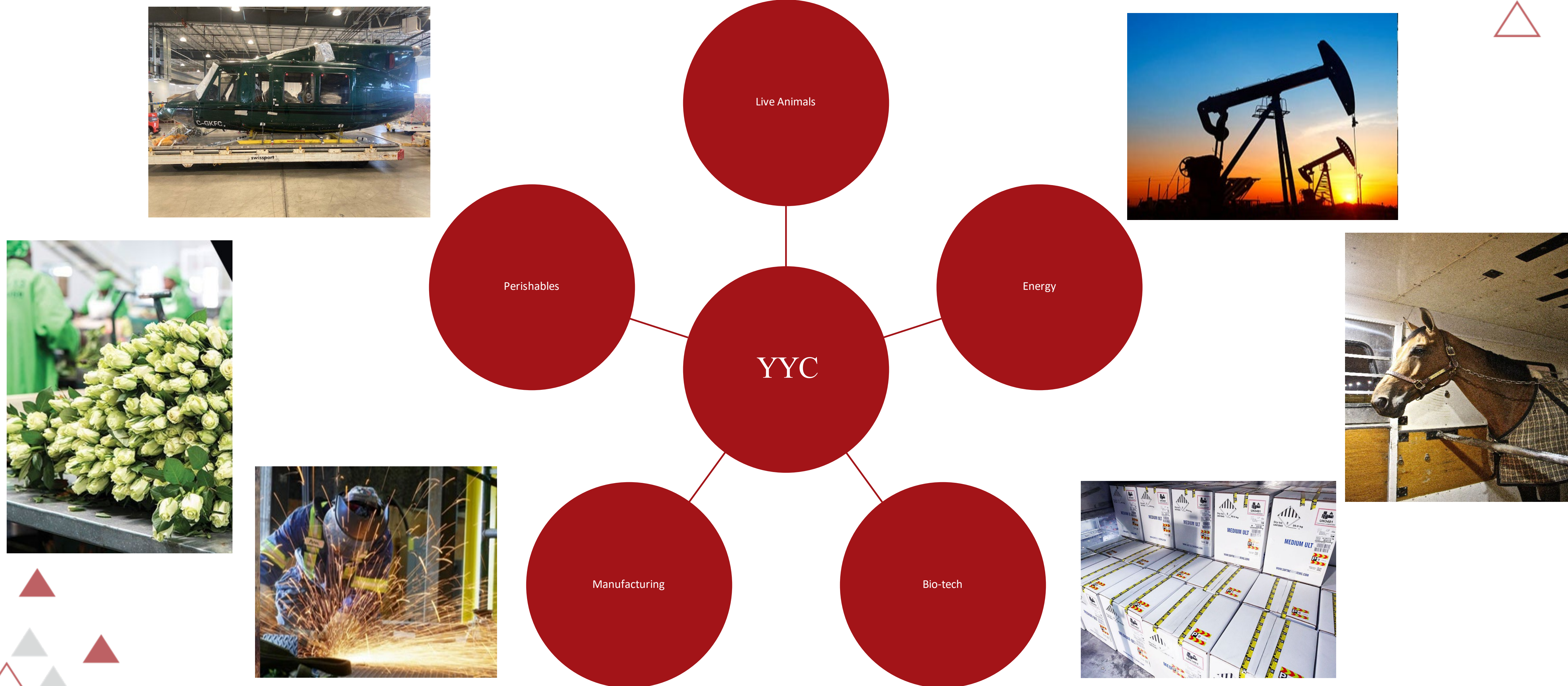


# Year over Year Growth – Landings





# Cargo Commodities





# What is Air Cargo?



## Dedicated Freighter

- Handle the flying of cargo
- Cargojet, Cargolux, WestJet Cargo, Cargo Charters



## Integrators

- Handle all aspects of the cargo shipments including the “last mile”
- FedEx, UPS, Purolator, DHL

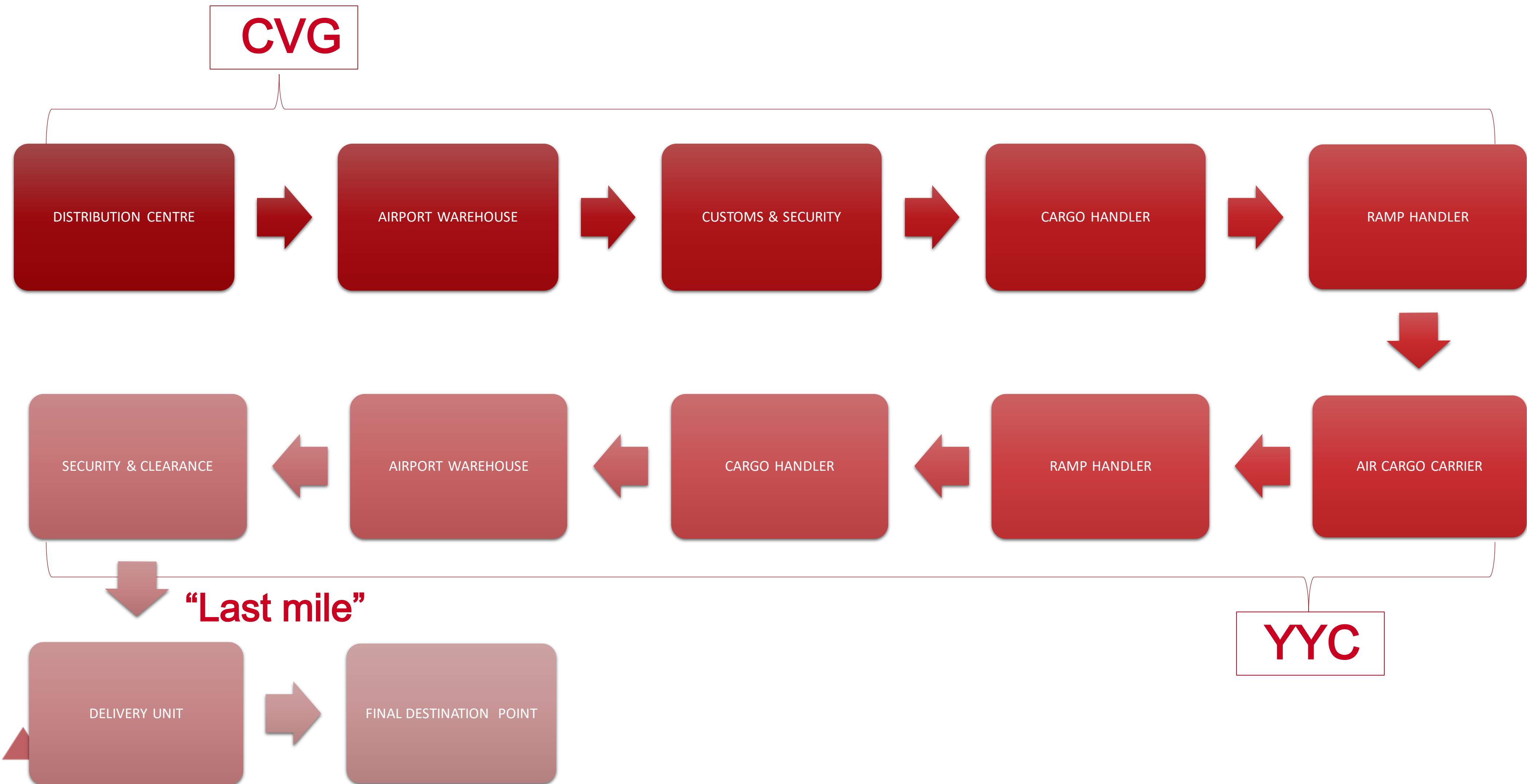


## Belly Cargo

- Shipped on passenger airplanes, tends not to be as time sensitive and is destined for a route already in service



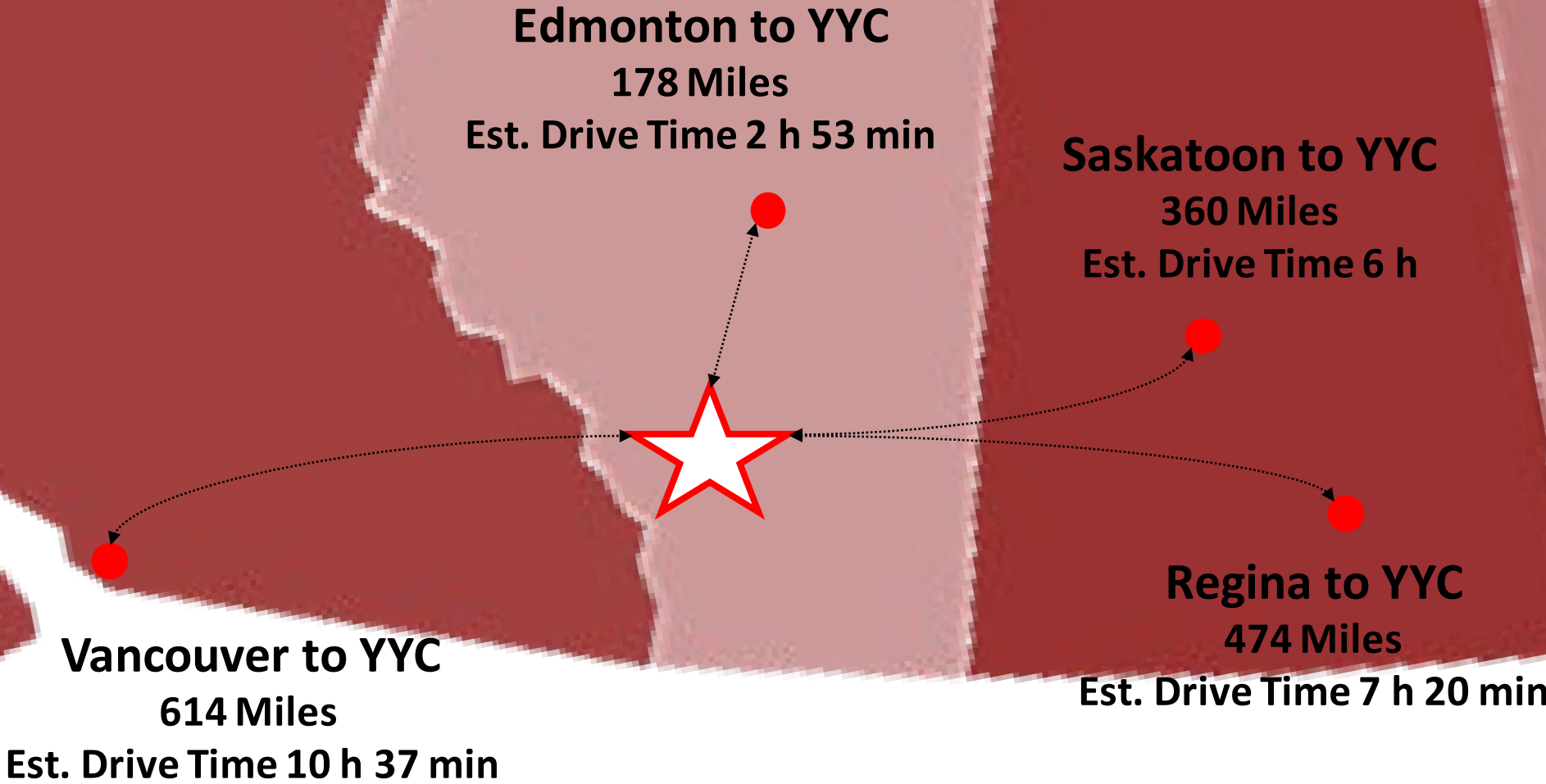
# Air Cargo Delivery Process





# Trucking Distances & Times

Over **60%** of Albertans live within **200 Miles** of Calgary



Trucking Times to Calgary International Airport		
City	Distance (Miles)	Estimated Drive Time
Fort McMurray	452	6 hr 52 min
Grand Prairie	437	6 hr 49 min
Kelowna	386	7 h 5 min
Medicine Hat	186	3 h 4 min
Lethbridge	138	2 h 25 min
Red Deer	86	1 h 23 min
High River	47	51 mins
Okotoks	35	38 min
Airdrie	14	18 min



# THANK YOU





# MEMBER ROUND-TABLE

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- QUESTIONS & FEEDBACK
  - NEXT MEETING: March 20
  - UPDATING TERMS OF REFERENCE
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