

Springbank Airport Community Noise Consultative Committee

Location: Calgary Flying Club

Date: October 18, 2019 19:00 Hrs.

Agenda

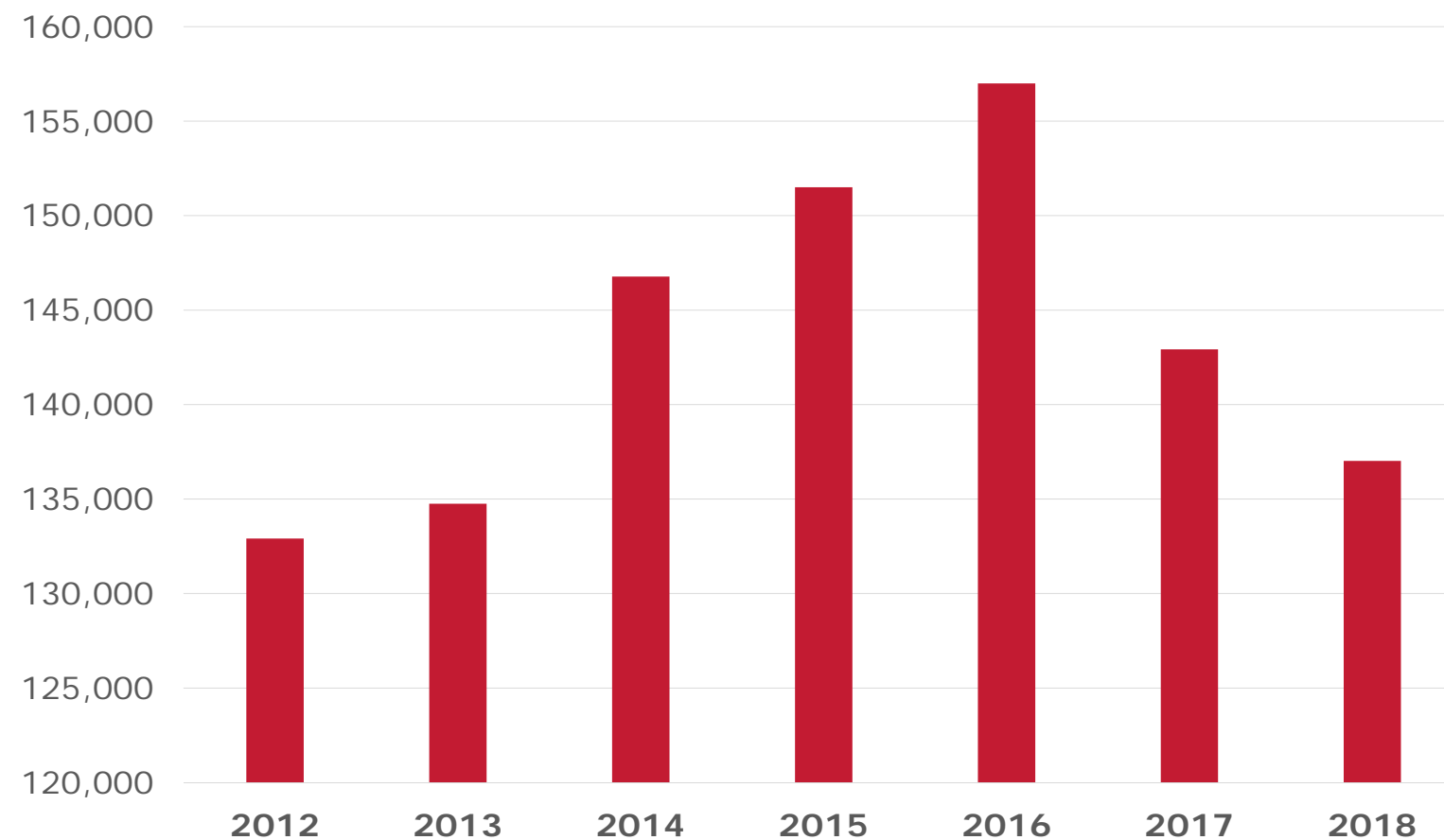
- Welcome & Introductions
- 2018 Operational Information
- YBW 2018 Noise Study
- Continued Noise Monitoring
- Live Radar Flight Tracking
- 2019 Airshow Recap
- New Business



2018 Operational Information

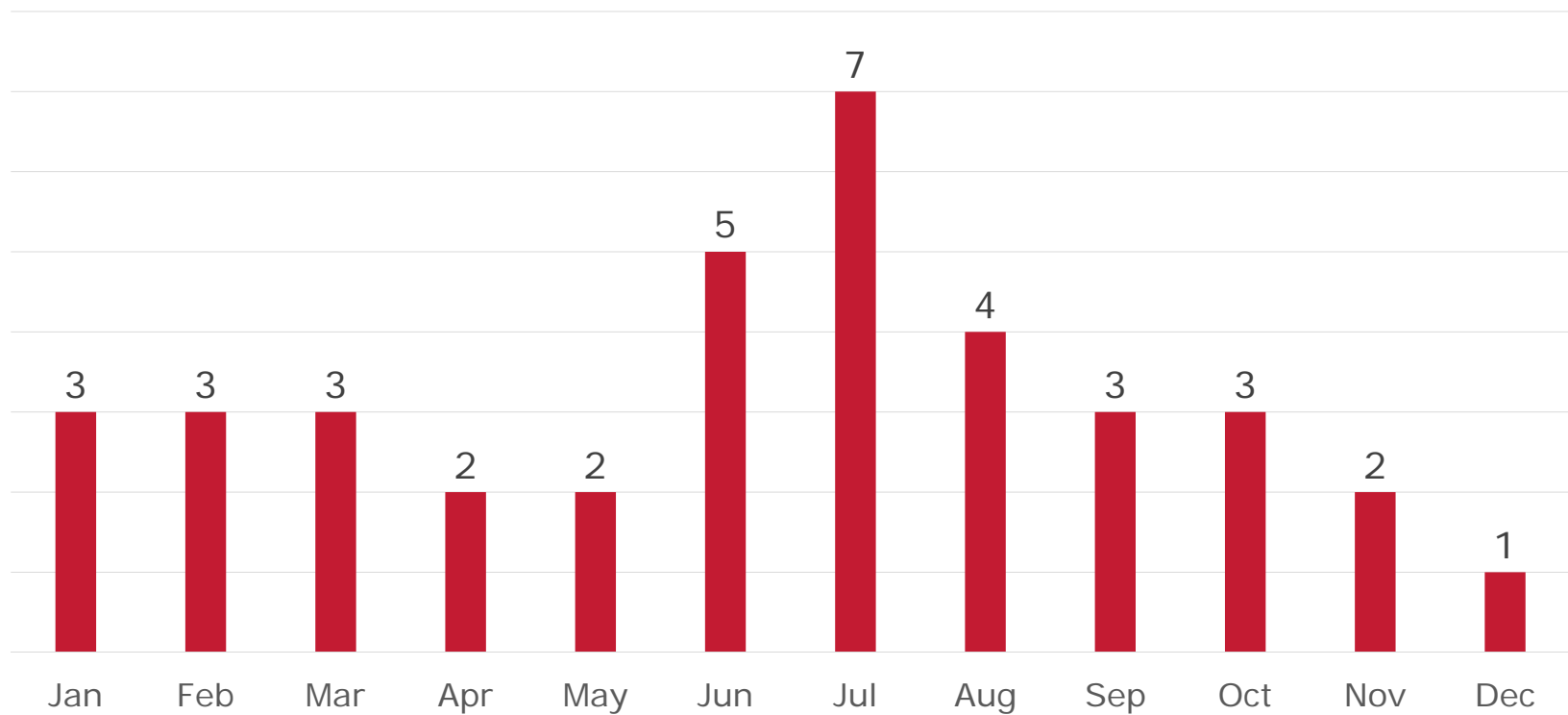
Aircraft Movements for 2018

- Aircraft movements climbed from 2012 to 2016
- Between 2016 and 2018, aircraft movements decreased 13%



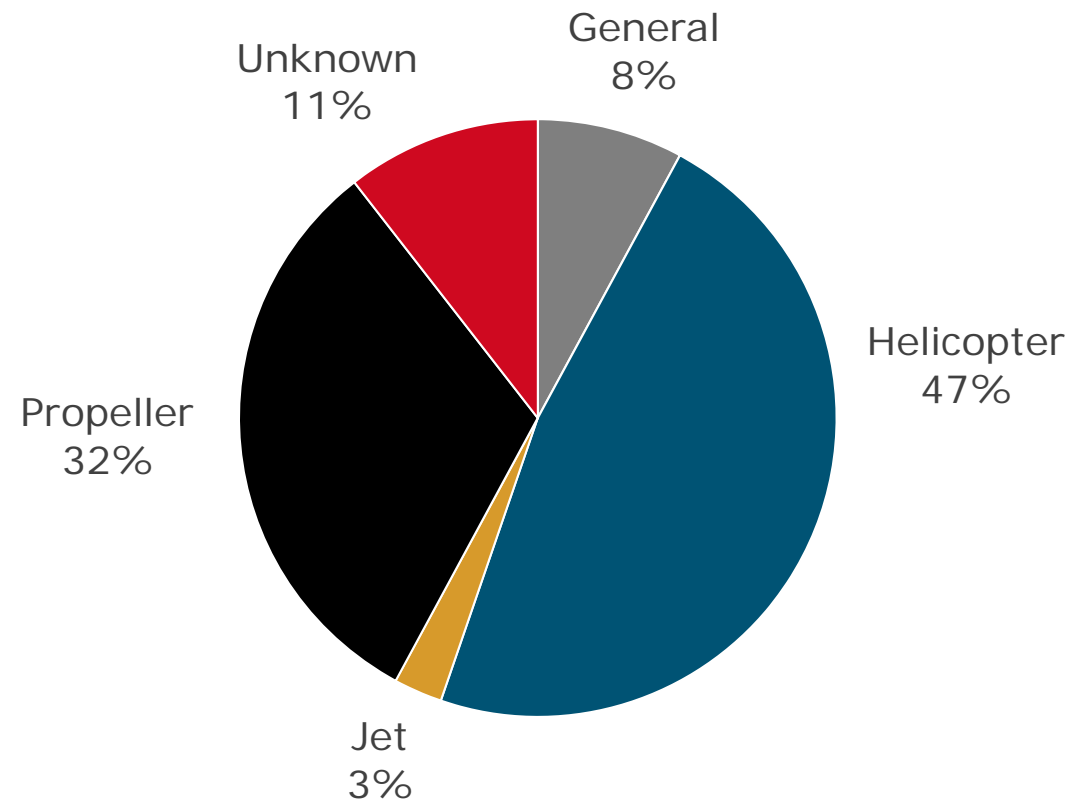
Aircraft Noise Concerns - 2018

- 38 noise concerns submitted by 30 households



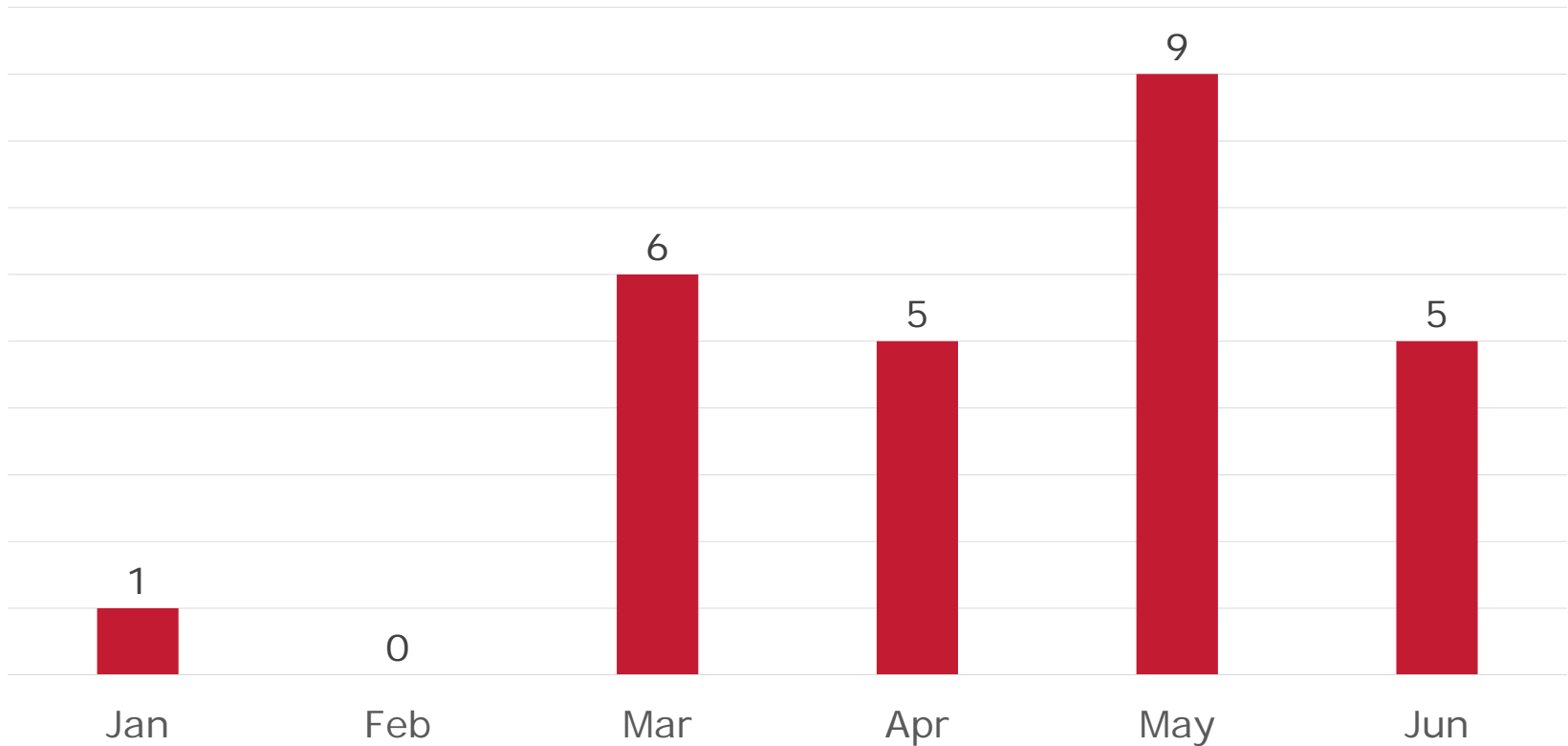
Noise Concerns by Inquiry - 2018

- Helicopter operations generated the highest number of inquiries



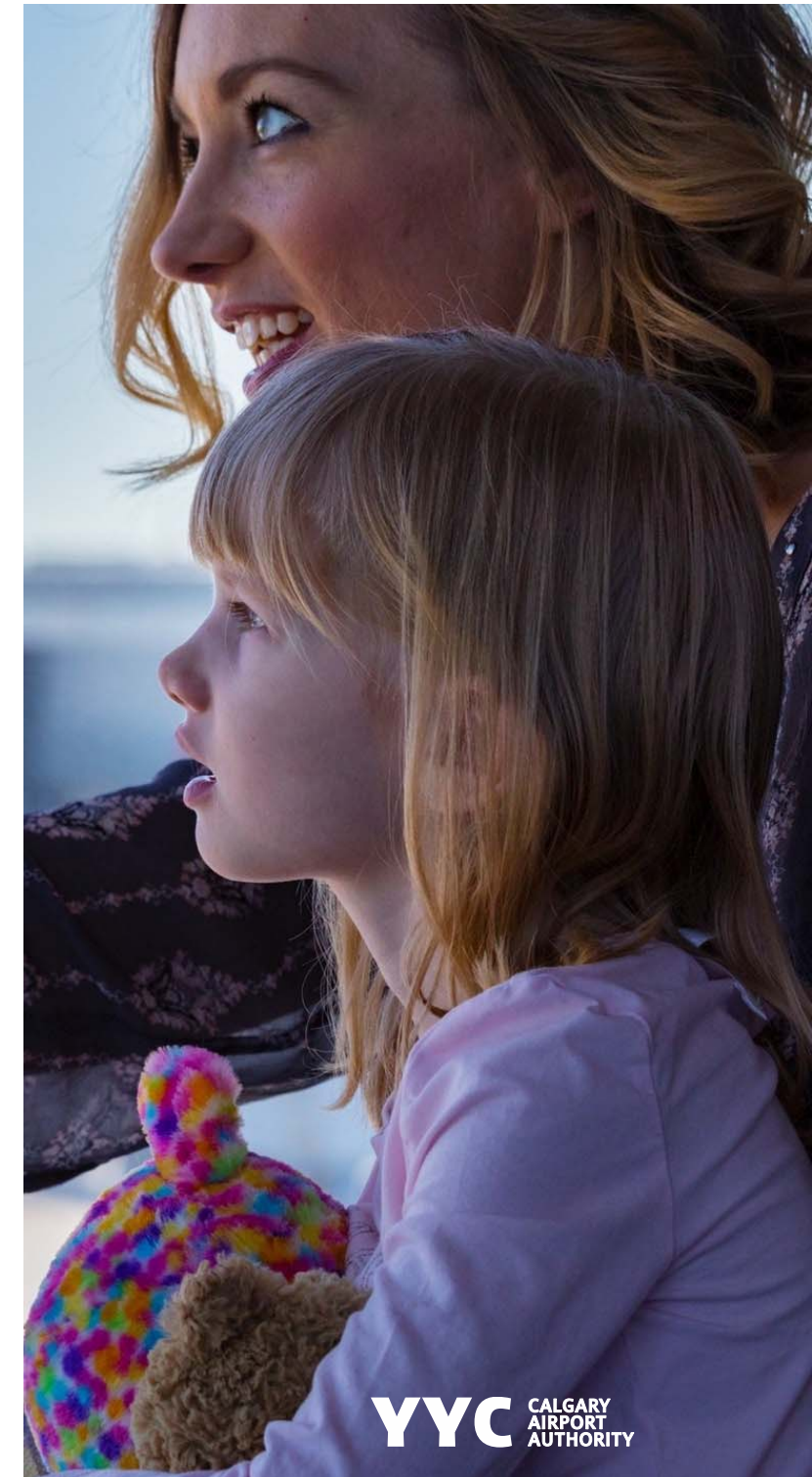
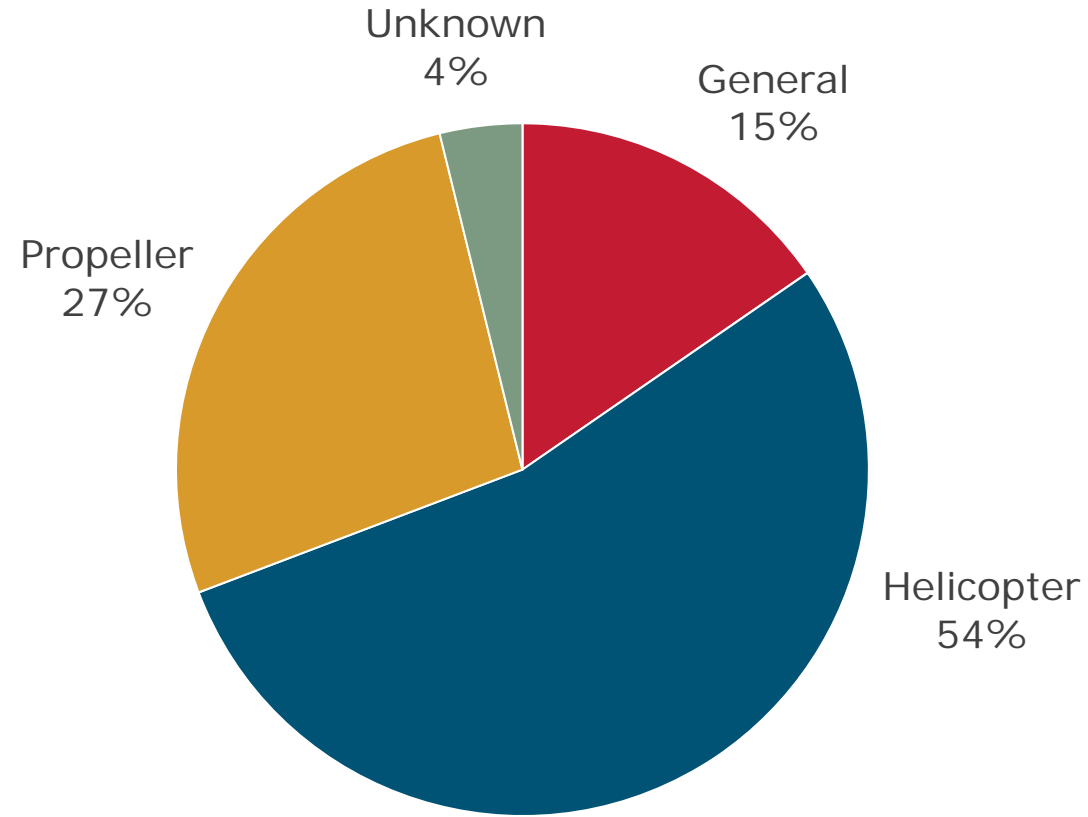
Noise Concerns - 2019 (First Half)

- 26 noise concerns submitted by 18 households.



Noise Concerns by Inquiry – 2019 (First Half)

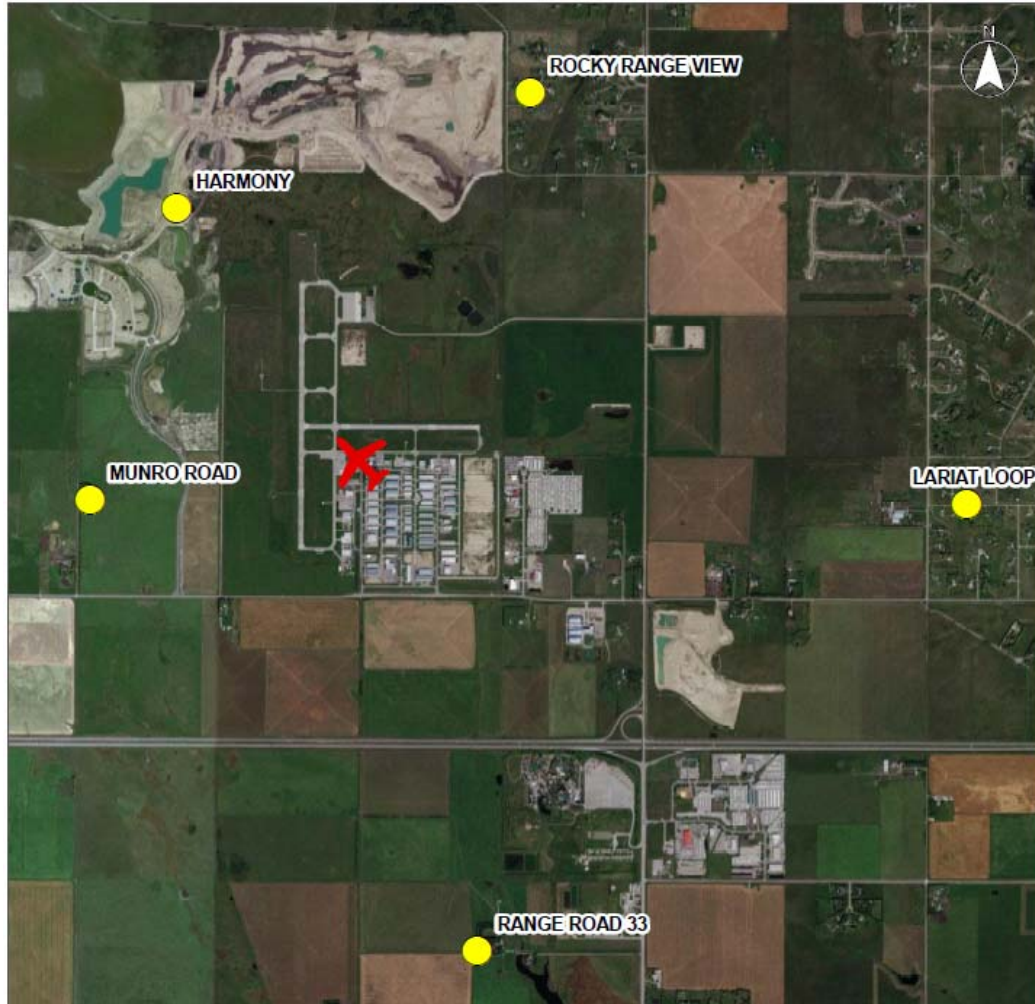
- Helicopters continue to generate the largest number of noise concerns





2018 Aircraft Noise Study

Study Overview



- Conducted between August and October 2018
- Temporary noise monitoring terminal was positioned at 5 locations, one site at a time
- Measured noise levels at each site for 8 consecutive days
- Noise events were correlated with aircraft movements
- Sets a baseline for future studies

Study Results

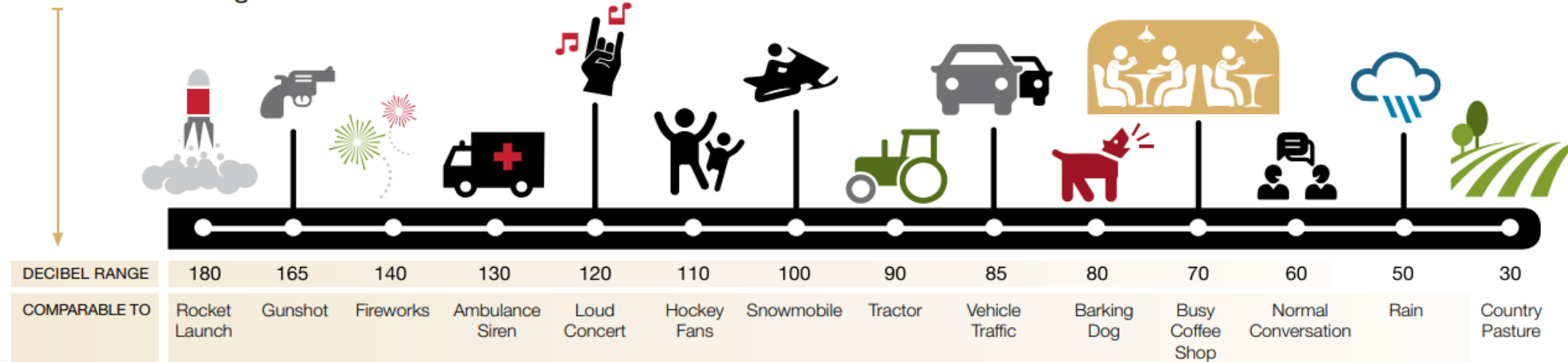
- Aircraft noise levels were lower than general community noise levels at all sites (averaged over a 24-hour period)
- Aircraft noise levels increased with a rise in air traffic volume, impacted less by aircraft type
- Weather conditions played a significant role in air traffic volume
 - Most aircraft movements happen during clear days
 - Flight training requires visual flight rules (VFR)
 - Hazy conditions from forest fires reduced traffic during the study



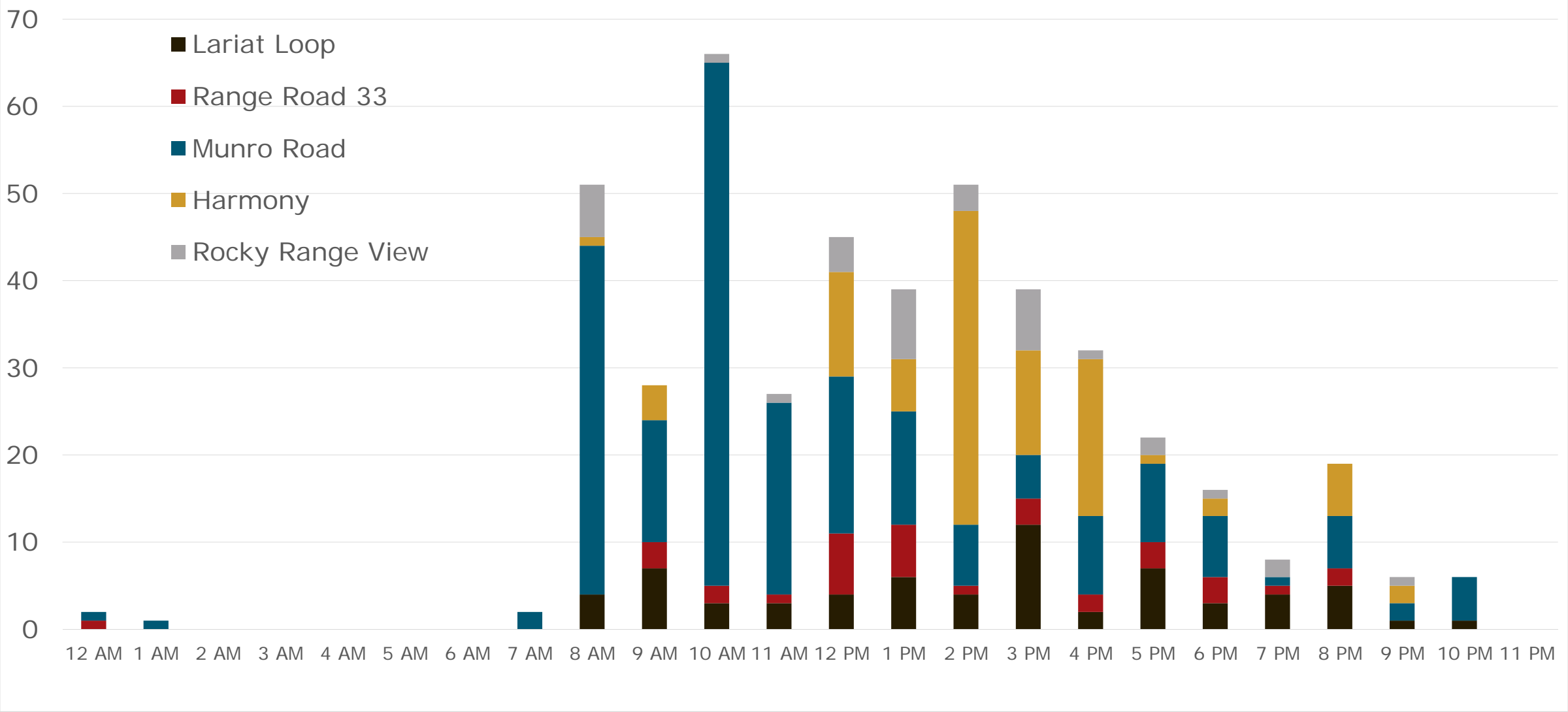
Aircraft Noise Events

- Mainly associated with propeller aircraft and helicopters
 - Max noise: 60-70 dBA range
- Few aircraft movements by turboprop aircraft
 - Max noise: 70-80 dBA range
- Only 5 jet aircraft movements during the entire study period
 - Max noise: 80-90 dBA range

Noise Level Diagram



Hourly Aircraft Movements

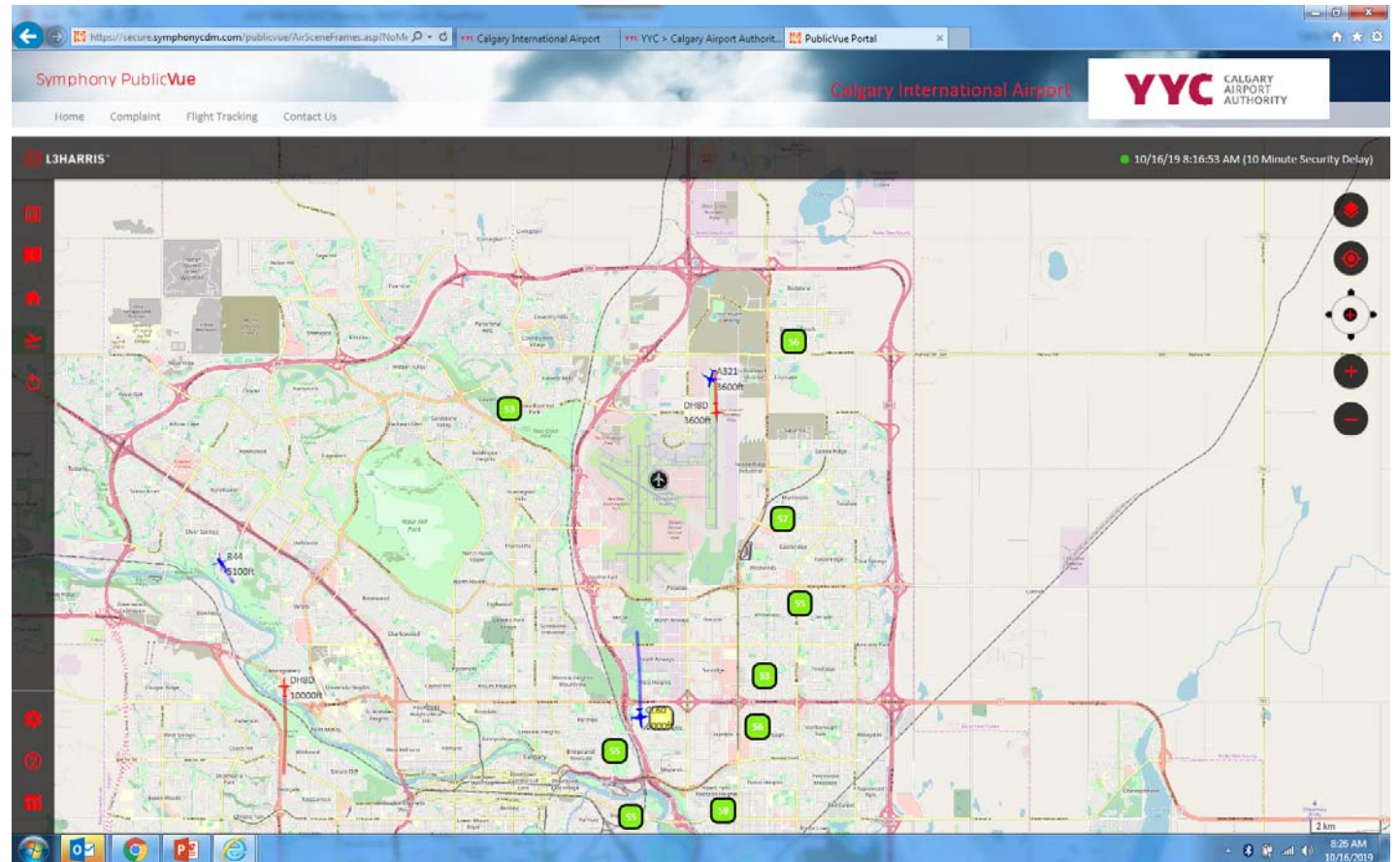


Noise Monitoring at YBW Going Forward

- We are investigating the possibility of a dedicated noise monitoring device for Springbank Airport.
- At YYC there are fixed noise monitoring terminals at various locations in the city that can be viewed on the YYC's website flight tracking page.
- In order to obtain meaningful data we would like to solicit ideas from the committee as to future deployments of a noise monitor that would add value to the ongoing understanding of aircraft impact on the local communities surrounding the airport.

Live Flight Tracking

- YYC's PublicVue Tracking System allows viewers to observe almost live (10 min delay) flight activity surrounding YYC, including readings at fixed noise monitoring terminals.
- The system is available on YYC's website at www.yyc.com/noise.
- We are currently investigating this option for YBW's website.





2019 Airshow Recap

WINGS OVER SPRINGBANK AIRSHOW 2019

- Held July 27th and 28th with theme of YBW 50th Anniversary of Ops
- Day 1 was interrupted by a severe weather event
- Day 2 was well attended
- Airshow attendance was down over 2017. Total approx. 12K



WINGS OVER SPRINGBANK AIRSHOW 2019







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Peak Experience Imagery
The Art and Photography of Keith Walker







New Business

- Questions?
- Comments?



Thank you!