



## VANCOUVER AIRPORT AUTHORITY

### MINUTES OF REGULAR MEETING

#### Aeronautical Noise Management Committee (ANMC)

Thursday 5 December 2019 - 1:00PM

Vancouver International Airport, Link Boardroom 1

#### In Attendance:

|                       |   |   |
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| <b>Chair:</b>         | Marion Town   | Director, Environment - YVRAA   |
| <b>Secretariat:</b>   | Lionel Leong  | Noise Information Officer - YVRAA   |
| <b>Admin Support:</b> | Michael Ferguson  | Administrative Assistant, Environment - YVRAA   |
| <b>Participants:</b>  | Gary Abrams<br>Arvind Sharma<br>John Hopkins<br>Meg Brown<br>Alena Straka<br>Ron Sorensen<br>Allan Ridgway<br>Terry Hiebert<br>Fraser McKinnell<br>Terry Cruse<br>Jennifer Aldcroft<br>Mary Point<br>Mark Cheng | Citizen Representative – Richmond<br>Citizen Representative – Richmond<br>City of Richmond<br>Citizen Representative – Vancouver<br>City of Vancouver<br>Citizen Representative – Surrey<br>Citizen Representative – Delta<br>Float Plane Operators Association<br>Transport Canada<br>NAV CANADA<br>Manager, Environment - YVRAA<br>Manager, Indigenous Relations - YVRAA<br>Supervisor, Noise Abatement & Air Quality - YVRAA |
| <b>Guests:</b>        | Rachel Min-Brown<br>Peta Wolmarans  | Coordinator, Airline Client Relations - YVRAA<br>Manager, Engineering Planning - YVRAA  |

## 1.0 INTRODUCTIONS AND ADOPTION OF AGENDA

Marion Town welcomed members and guests and reviewed the meeting agenda. The following individuals were identified as first-time attendees or guests:

- Fraser McKinnell - Civil Aviation Inspector, Transport Canada
- Peta Wolmarans - Manager, Engineering Planning - YVRAA
- Lionel Leong - Noise Information Officer - YVRAA
- Michael Ferguson - Administrative Assistant, Environment - YVRAA
- Rachel Min-Brown - Coordinator, Airline Client Relations - YVRAA

## 2.0 YVR AIRSIDE PLAN UPDATE

Peta Wolmarans presented a summary of work on YVR's Airside Plan, which identifies potential near, medium, and long-term infrastructure projects and procedural initiatives to support efficient aircraft operations. The Airside Plan was prepared with input from NAV CANADA and various Airport Authority departments. The timing of some of these projects will depend on traffic growth and other business factors.

This work builds upon key elements of YVR's 2037 Master Plan, which identifies the need to enhance the capacity of the existing airside system to accommodate the forecasted increase in air traffic.

Capacity constraints due to the single runway operations at night were identified as critical, given forecasted growth in air traffic during the late evening and early morning periods. The use of the north and south runways both for arrivals and departures during the day was recognized as the most efficient type of operation, and the Airside Plan identifies supporting initiatives to improve the airfield to facilitate this type of operation.

Mark Cheng stated that the Airport Authority has started the process to enact new Airport Zoning Regulations to protect the airspace for the two runway options identified in the 2027 and 2037 YVR Master Plans. Information on work to enact new Airport Zoning Regulations is currently posted on YVR's website ([www.yvr.ca](http://www.yvr.ca)) and Committee members with questions can contact Mark directly.

## 3.0 UPDATE – 2019 NOISE MANAGEMENT INITIATIVES

### Noise Monitoring Terminal Hardware & Network Expansion Project

As presented at the previous Committee meeting, Mark commented that a project request to replace the current Noise Monitoring Terminal (NMT) hardware and add new NMTs to the network was prepared and submitted for review. The work is planned to span over a five-year period with a small number of sites done each year.

Lionel presented on project results to identify sites for the new NMTs. An acoustical consulting firm (BKL), was retained to assess various locations around the Metro Vancouver area. BKL used GIS mapping tools to select sites for further evaluation and collected noise data at each site. Seven sites were selected for further evaluation – Musqueam, Delta (two sites), Surrey, Burnaby, and New Westminster (two sites).

Data collected was evaluated against criteria in *ISO 20906:2009 Acoustics – Unattended monitoring of aircraft sound near airports*. Additional acoustical aspects of each site were considered through identification of local obstructions or terrain features that could shield an NMT location from aircraft noise, as well as nearby noise sources that could adversely affect the NMT's ability to detect aircraft noise.

Based on a review of the data collected, BKL determined that:

- The sites in Musqueam, the two Delta sites, and Surrey were very favorable for permanent NMTs.
- The sites in Burnaby and one New Westminster site were determined to be moderately favorable.
- The other New Westminster site was determined to be not suitable due to the high level of background noise from vehicle traffic.

Pending budget approval, the plan is to install two new NMTs at the sites in Delta in summer 2020 and take delivery of a new portable NMT later in the year. The other new NMTs and hardware replacements at the current sites would be phased over a five-year period.

#### 4.0 UPDATE – VANCOUVER AIRSPACE MODERNIZATION PROJECT

Mark advised that NAV CANADA held stakeholder consultation sessions in early October. Separate sessions were organized for municipal staff, airports, and aircraft operators and were hosted in Vancouver and Vancouver Island. Information on the project background and planned timelines was presented, and NAV CANADA subject matter experts had been in attendance to answer questions.

The session with airports was well-attended, with staff from airports in the Lower Mainland, Fraser Valley, and Vancouver Island present. Following the meeting, a survey was circulated to airports to collect information on growth and infrastructure plans.

Alena Straka mentioned that she had attended the session with municipal staff where NAV CANADA provided an overview of the project and sought land-use information from municipalities. Mark noted that Paula Kolisnek from the City of Delta also attended the municipal staff session. Paula has also posted useful project information on the City of Delta's website, which has received positive feedback from residents. The website address is: <http://www.delta.ca/your-government/external-projects-issues/aircraft-noise>.

NAV CANADA has requested time on the agenda for the first meeting in 2020 to present an update on this project.

#### 5.0 Q4 – 2019 REPORT

Lionel presented the Q4 report, covering the period from January through November 2019. During this period, the Airport Authority received a total of 2,217 concerns from 249 individuals.

Of the 2,217 concerns, 63% (n=1,403) were received from three Richmond residents. Of these 1,403 concerns, 45% (n=637) originated from one individual regarding jet departure routing and frequency during Runway 08 operations.

Comparing this data to the same period in 2018, a 4% increase was seen in 2019 of the number of individuals submitting complaints. The total number of concerns rose in 2019 because of frequent and repeated concerns registered by a small number of residents in Richmond and Surrey. Offers by the Airport Authority to meet with these residents and discuss their concerns were not responded to. It was also noted that Gary Abrams had offered to talk to the Richmond residents, but his offer was also not responded to.

## 6.0 OTHER BUSINESS

- It was noted that Craig Richmond, President & CEO of the Vancouver Airport Authority, has announced his intention to retire at the end of June 2020.
- Airports Council International – North America (ACI-NA) and the American Association of Airport Executives (AAAE) hosted an Airport Noise Conference in October 2019. The topic of Urban Air Mobility (UAM) and Remotely Piloted Airborne Systems (RPAS) were discussed. These are emerging technologies and it was identified that noise data for the proposed equipment to support these services is currently lacking.
- The Canadian Airports Council - Noise Working Group met on 21 November. Noise management staff from several Canadian airports attended. Updates from each airport were shared and the group discussed various noise management strategies.
- Meeting dates for the ANMC meetings in 2020 are as follows: 16 April, 10 September, and 3 December. Additional meetings may be scheduled as required.

## MEETING ADJOURNMENT

Marion thanked members for their attendance and contributions throughout the year. The meeting was adjourned at 2:35 PM.

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| <b>Next ANMC Meeting: 16 April 2020</b> |                        |
| <b>Lionel Leong</b>                     | <b>29 January 2020</b> |
| Secretariat Signature                   | Date                   |