

## Meeting Minutes Environmental Advisory Committee

<b>Meeting Date:</b>	January 14, 2016	<b>Meeting Time:</b>	1:30 PM
<b>Location:</b>	Vancouver International Airport, Link Boardroom	<b>Prepared by:</b>	Catherine Alderson
<b>In Attendance:</b>	Marion Town Simon Robinson Rene McKibbin Christopher Bakker Helen Popple Helen Cain Judy Williams Morgan Guerin June Ryder Ashley Graham Karen Hall	YVR, Environment - Chairperson YVR, Environment Canadian Wildlife Services Citizen Representative, Richmond City of Vancouver City of Richmond Fraser River Coalition Musqueam Indian Band Nature Vancouver Port Metro Vancouver Transport Canada	
<b>Guests</b>	Lawrence Guerin Shaye Folk-Blagbrough Amanda Chow Jennifer Aldcroft Marcia Strang	Musqueam Indian Band YVR, Environment YVR, Environment YVR, Environment YVR, Emergency Planning	
<b>Regrets:</b>	Penny Thompson Rob Safrata Terry Crowe Erin Embley	Air Canada Citizen Representative, Vancouver City of Richmond Metro Vancouver	
<b>Secretary</b>	Catherine Alderson	YVR, Environment	

**Next Meeting:** Thursday April 21, 2016. 1:30PM

**1. Introductions & Welcome**

Marion Town welcomed the committee. Three new members were in attendance; Morgan Guerin (Musqueam), Helen Popple (City of Vancouver) and Rene McKibbin (Canadian Wildlife Service). Lawrence Guerin (Musqueam) attended as a guest.

**2. Review Minutes from October 15, 2015**

Simon Robinson apologized for the delay sending out the previous meetings minutes which were distributed on January 13<sup>th</sup>. He reviewed the three actions items from the October meeting. Marion said she would give the committee a week to provide comments on the draft minutes from both the April 23<sup>rd</sup> and October 15<sup>th</sup> meetings. If no comments are received the minutes will be finalized and posted on the YVR website ([www.YVR.ca](http://www.YVR.ca)).

**3. Reduce Greenhouse Gas Emissions – Commuter Survey Results**

Amanda Chow presented the results of the 2015 Sea Island Commuter Survey. The survey included responses from 1,404 people out of the 22,554 people who work on Sea Island. It asked questions about commuting habits and what incentives would encourage people to choose sustainable transportation methods such as transit and carpooling. Approximately 40% of respondents were currently using sustainable transportation options while 60% were commuting in a single occupant car. This represents a significant increase in sustainable transportation modes compared to the 20% reported in a similar survey conducted in 2004. The main reason for this increase is believed to be the opening of the Canada Line train service. Popular incentives that would encourage drivers to commute more sustainably included subsidized transit passes and extended hours of operation for public transit. A discussion followed. Some of the questions asked include:

Has YVR approached TranLink to extend hours of Canada Line service? Marion responded that the Airport Authority works closely with TranLink and InTransit but pointed out that the Canada Line system requires some downtime each night for maintenance.

Does the Airport Authority have data on transit use around the time the Canada Line startup? Marion said we do but it does not separate out employees from non-employees. The current survey specifically targeted employees who work on Sea Island.

Has the Airport Authority worked with BEST or TranLink to promote transit to businesses on Sea Island. Marion pointed out that the GoGreen program offered by BEST is no longer funded and has not been for many years. The Airport Authority is aware of TranLinks' TravelSmart program and has included it in recent sustainability workshops with airport tenants.

Attachment 1 - Commuter Survey Results presentation

**4. Reduce Greenhouse Gas Emissions - Electric vehicles/EV charging**

Jennifer Aldcroft provided a brief update on electric vehicle (EV) charging stations and a recent study assessing current and future demand for EV infrastructure. The airport currently has 8 EV charging stations on Sea Island and will be expanding infrastructure in 2016 reflecting the results of the study.

**5. Reduce Waste – Waste Program**

Shaye Folk-Blagbrough presented on the Airport Authority's waste program initiatives planned for 2016 including continued installation of expanded recycling and compost bins in food courts and purchase of a composter for handling organics material in the terminal. The Airport Authority will also be developing a smartphone app that will assist terminal building tenants with sorting and managing their own waste materials.

Attachment 2 - Waste Program presentation

**6. Reduce Potable Water Use – Water Conservation Plan**

Amanda let the committee know that the Airport Authority will be creating a Water Conservation Plan in 2016. More information will be provided to the committee at future meetings.

**7. Improve Ecosystem Health – YVR Glycol Monitoring Results**

Simon Robinson provided a brief update on glycol monitoring results following the recent snowfall. There was light snowfall on January 4<sup>th</sup> and 5<sup>th</sup>, 2016 required aircraft de-icing operations. There have also been many days with frost conditions that required aircraft de-icing operations. Glycol monitoring efforts have included collection of more than 100 water samples around the airport over the previous 3 months. None of the samples contained glycol at a concentration over the Canadian Glycol Guidelines of 100/mg/L.

Judy Williams asked how floatplanes are de-iced. Simon explained that floatplanes will most often not operate during a snowfall but may be de-iced at the dock using a small handheld wand sprayer.

Attachment 3 – Glycol Monitoring Results Presentation

**8. Improve Ecosystem Health –Salmon-Safe**

Marion let the committee know the airport will be pursuing Salmon-Safe certification this year. She provided a brief overview of the Salmon-safe program which is administered from offices in Seattle and Portland and through an affiliation with the Fraser Basin Council in BC.

## 9. Emergency Planning

Marcia Strang presented on YVR's Emergency Planning with a focus on earthquakes. Her presentation included an overview of the likelihood of an earthquake occurring in the region, local fault lines, risk of tsunami, liquefaction and communication failures. She emphasized the need for all individuals and families to be prepared with a plan, some supplies and equipment and ideas on how to contact your family in the event of an earthquake. She reviewed some of the YVR specific risks, and resources for emergency planning.

The committee asked what would happen to the dikes that surround the airport during an earthquake. Simon responded that YVR has conducted several engineering assessments of the dikes around the airport and has included geotechnical assessments in some of these surveys. The airport manages risks by implementing a program of continuous improvement based on risk priority and is prepared to repair dikes quickly by stockpiling materials and having construction equipment onsite.

Attachment 4 – Earthquake Preparedness Presentation

## 10. Environmental Auditing

Shaye presented an overview of the airport's environmental audit program. Environmental auditing is important in the Plan-Do-Check-Act cycle of environmental management and efforts for continuous improvement. Shaye explained that the Airport Authority's auditing program covers both Airport Authority and tenant activities. Audits are scheduled on a rotation based on activity categories and risk assessment. The activity categories include fuel handling, fuel pipelines/storage (large facilities), fuel storage (small facilities) de-icing, and hazardous materials use and storage. The risk assessments considers the use of hazardous materials, fuel handling, de-icing, maintenance activities, results of previous audits, scale of operations, status of emergency response plans and professional judgment based on site visits and reviews.

Attachment 5 – YVR Environmental Auditing Presentation

## 11. South Airfield Runway End Safety Areas

Simon provided an update on the Runway End Safety Area (RESA) construction program including work planned for 2016 and the summer runway closure schedule. In 2016 construction will continue on RESA 26L. The runway closure is scheduled for May 8<sup>th</sup> through September 2<sup>nd</sup>, 2016.

Attachment 6 – South Airfield RESA and Construction Update Presentation

**12. Construction Update**

Simon provided a brief report on three new construction projects that are underway of planning to start soon. The Seair dock repairs will require a barge in the river to moor alongside the dock to complete repairs to support beams. The 2016 Dike Improvement work will be located on the south dike road and continues from where it left off last summer. All dike work will be located inside the airside fence and will not impact the river or riparian habitats. Finally, the Airside Gatehouse Improvements consists of upgrades to several security guardhouse locations.

**13. VAFFC Fuel Delivery Project**

Simon provided an update on the Fuel Delivery Project based on information provided by VAFFC. The project continues to pursue permits from Port Metro Vancouver, BC Oil and Gas Commission, City of Richmond and YVR.

**14. Other Business**

Marion reminded the committee that the YVR annual public meeting will take place in May. She also responded to questions about opportunities for the committee to get involved with the Master Plan process dates. The Airport Authority is planning another workshop on the Master Plan with both the Environmental Advisory Committee and the Aeronautical Noise Management Committee. This workshop has not yet been scheduled but is expected to be held this summer.

*Action:*

*No new actions resulted from this meeting.*

*Attachment 1 - Commuter Survey Results presentation*

*Attachment 2 - Waste Program presentation*

*Attachment 3 - Glycol Monitoring Results Presentation*

*Attachment 4 - Earthquake Preparedness Presentation*

*Attachment 5 - YVR Environmental Auditing Presentation*

*Attachment 6 - South Airfield RESA and Construction Update Presentation*

**2016 Meeting Schedule:**

- Thursday January 14, 2016. 1:30PM-4:30PM
- Thursday April 21, 2016. 1:30PM-4:30PM
- Thursday October 13, 2016. 1:30PM-4:30PM