

MEETING MINUTES



Beyond, Every Day.

Meeting Minutes Environmental Advisory Committee

Meeting Date:	October 31, 2017	Meeting Time:	3:00 PM
Location:	Sea to Sky Boardroom B – Domestic Terminal	Prepared by:	Cathy Pham
In Attendance:	Marion Town Elaine Fisher Simon Robinson Helen Popple Judy Williams June Ryder Robert Horner Stan O’Keefe Kevin Eng Joanne Kwok Rob Safrata Laurie Bate-Frymel	YVR, Environment – Chairperson YVR, Environment YVR, Environment City of Vancouver Fraser River Coalition Nature Vancouver Citizen Representative, Richmond Citizen Representative, Richmond City of Richmond Transport Canada Citizen Representative, Vancouver Metro Vancouver	
Guests:	Jennifer Aldcroft Brittany Point Amanda Chow Shaye Folk-Blagbrough	YVR, Environment YVR, Environment YVR, Environment YVR, Environment	
Regrets:	Anika Calder Courtney Albert Morgan Guerin Shelina Sidi Terry Crowe	Port Metro Vancouver Canadian Wildlife Services Musqueam Indian Band Metro Vancouver City of Richmond	
Secretary	Cathy Pham	YVR, Environment	

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Discussion:

1. **Welcome and Introductions**

Marion Town welcomed the committee and thanked them for their participation earlier in afternoon in the Sustainability Materiality consultation session YVR hosted under the Global Reporting Initiative.

Actions items from last meeting were addressed: (1) Simon Robinson reported on winter 2016-17 glycol monitoring program; (2) An action to bring in Salmon Safe's local representative to this meeting was not possible as Amy Greenwood has left the organization. YVR will try to reschedule in her replacement for a future meeting.

2. **Review Minutes from April 12, 2017**

Marion asked the committee if there were any comments or questions on the draft meeting minutes from the April 12, 2017 meeting. There were no comments or questions. The minutes will be accepted as final and posted on the YVR website (www.yvr.ca).

3. **Glycol Monitoring Results**

Simon Robinson presented the glycol monitoring results associated with the winter 2016/2017. The committee had previously seen results for 2016 but not for the first few months of 2017. From October 2016 to March of 2017, there were 16 days of snowfall, which resulted in over 65cm of snow. With the significant amount of snow received, considerable deicing activity took place; most of which occurred at the deicing pad. Weekly water samples were taken at perimeter airport drainage ditches to monitor water quality. More than 400 water samples were collected and tested for glycol during the winter, five of which had glycol present at concentrations higher than the guideline limit.

The committee inquired about glycol and amount of glycol used. Simon explained that glycol is a deicing fluid used during the winter to permit planes to depart safely that breaks down quickly to water and carbon dioxide, consuming oxygen. The total amount of glycol used depends on the amount of snow and number of snow or frost days in any given season; more snow means more glycol will be used.

4. **YVR Construction Update**

Simon Robinson provided an update on current, completed and planned construction for 2017/2018. Construction is underway for the Equipment Marshalling Pads, Templeton Parking Lot Upgrade, Pier D Expansion and Taxiway Mike Overlay projects. Construction has been completed for the South Runway Overlay and South Airfield RESA (26L, 13 and 31) projects. Construction projects are planned for the South Dyke, North RESA, Transborder Terminal and Apron Expansion, and SeaAir Dock Upgrade projects.

The committee inquired about the South Templeton Parking Lot and why it was being built. Simon indicated that this new parking lot will temporarily replace our current economy

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parking lot while construction of our new Utilities Building/Geothermal energy system and parkade is underway.

The committee inquired about the SeaAir Dock project and how the new dock will be anchored, specifically referring to the timing of limitations on construction windows associated with salmon. Simon indicated that the dock infrastructure needs to be replaced and that the new dock will be anchored in the same way that it is now, using concrete blocks. Because the work will be taking place in the river, there are permits and approvals required for this project, as well as notification of Musqueam Indian Band.

Simon provided an update on the current status of permits and construction for the proposed VAFFC Fuel Delivery Project. The proposed alignment on Sea Island was shared. Simon indicated that approval has been granted to install a section of pipeline through the area of the Templeton parking lot so the pipeline is installed ahead of parking lot paving. No other part of the pipeline has been approved by YVR as of this date.

5. YVR Environmental Management Plan Update

Reduce Greenhouse Gas Emissions - Airport Carbon Accreditation and Airports Going Green

Elaine Fisher provided an update on Greenhouse Gas Emissions at YVR. Elaine shared that YVR has received the Airport Carbon Accreditation, Level 2 – Reduction for the second year. The Airport Carbon Accreditation Program consists of four levels starting at Level 1 (Mapping), Level 2 (Reduction), Level 3 (Optimization) and Level 4 (Neutrality). YVR has set a target to reduce greenhouse gas emissions by 33% over 2012 levels by 2020. As of 2016, YVR has reduced emissions by 20% over 2012 levels.

Elaine shared that YVR has also won an award from the Chicago Department of Aviation's "Airports Going Green" for the tenant engagement program 'Project Green YVR'.

Reduce Waste – Waste Management

Shaye Folk-Blagbrough provided an update on Waste Management at YVR. Waste Wars 2017 was a 6 week long competition between YVR's food and beverage tenants. This year, the competition was divided between two groups – Restaurants and Quick Service Restaurants. The winners in the Restaurants category were Lift, Hanami and Fairmont. The winners in the Quick Service Restaurants category were Starbucks, Vino Volo and A&W.

The committee inquired with Waste Wars how the tenants were scored and evaluated, and also asked whether the winners could use the win for promotional purposes within the airport community. Shaye explained that all food and beverage tenants participated in Waste Wars and winners are provided with trophies to help raise awareness about their

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achievements. Random waste audits are conducted for each tenant and a score is assigned based on how well the waste is sorted in their facility. Every two weeks a report card is distributed to show tenants how they can improve their performance.

The food waste composter that YVR installed late in 2016 is significantly reducing the volume of food waste removed from the airport. The airport would like to reuse composter "dust" and is looking into potential solutions for this waste matter that is high in salt with low pH conditions, not ideal for plant growth.

The airport has commenced plastic glove recycling at all security points at the terminal. Within three weeks 42,000 gloves were recycled.

The airport posted a series of blogs and articles during Waste Reduction Week to promote employee engagement and provide education and awareness about waste.

Reduce Potable Water Use - Water Conservation

Amanda Chow provided an update on the tenant water audits undertaken this year. Two types of water audits were conducted. One type was performed by a third party auditor on the four tenants that consume the most water on Sea Island. A second more simplified type was undertaken on all the food and beverage tenants in the terminal conducted by Airport Authority staff. Audit activities included inspecting and developing an inventory of the appliances and equipment used and meeting with managers to gain a better understanding of the organization and their operations. At the end of the water audits, all tenants were provided with a report that detailed how much water was used each year, an equipment inventory, and recommendations on how to reduce water consumption. The airport is exploring incentives and disincentives to help encourage tenants to undertake the suggested water reduction recommendations.

Improve Ecosystem Health – Salmon-Safe

Shaye Folk-Blagbrough showed the recently released Salmon Safe video and provided an update on the numerous activities in progress as part of the airport's Salmon Safe program, including Integrated Pest Management Plan & Water Quality Management Plan.

She further explained YVR's ongoing efforts to improve ecosystem health, which include updating the airport's Water Quality Management Plan, the Stormwater Management Plan, Drought Tolerant Landscaping Plan, Integrated Pest Management Plan, Wildlife program, and the Environmental Construction Standards.

Environmental Audit Program

Elaine Fisher provided an overview of the Environmental Audit program. In 2017, 17 audits

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were conducted on the airport's tenants using a risk-based approach. Audits include a review of storage tanks, oil-water separators, spill kits and training records. At the end of the environmental audits, tenants were provided with a report on compliance and required corrective action; follow up audits are conducted to ensure compliance.

6. Other Business

There will be a note sent out on possible 2018 meeting dates.

Action:

1. Poll the committee via doodle poll about the 2018 dates.
2. Judy Williams has requested a copy of the VAFFC pipeline route across Sea Island.

Next Meeting Date:

Tentative meeting dates that will be confirmed with the committee:

- a) February 28
- b) May 14
- c) June 20 Summer Tour
- d) October 24