

Meeting Minutes Environmental Advisory Committee

Meeting Date:	November 30, 2016	Meeting Time:	1:30 PM
Location:	Vancouver International Airport, Link Boardroom	Prepared by:	Catherine Alderson
In Attendance:	Marion Town Simon Robinson René McKibbin Kevin Eng Hayley Rowlands June Ryder Anika Calder Suzanne L'Heureux	YVR, Environment - Chairperson YVR, Environment Canadian Wildlife Services City of Richmond City of Vancouver Nature Vancouver Port of Vancouver Transport Canada	
Guests	Amanda Chow Shaye Folk-Blagbrough Brenden McBain Jennifer Aldcroft	YVR, Environment YVR, Environment YVR, Environment YVR, Environment	
Regrets:	Penny Thompson Christopher Bakker Rob Safrata Judy Williams Morgan Guerin Laurie Bates-Frymel	Air Canada Citizen Representative, Richmond Citizen Representative, Vancouver Fraser River Coalition Musqueam Indian Band Metro Vancouver	
Secretary	Catherine Alderson	YVR, Environment	

Next Meeting: Wednesday February 8, 2017. 1:30PM

1. Introductions & Welcome

Marion Town welcomed the committee and there was a round of introductions.

2. Review Minutes from April 21, 2016

Marion asked the committee if there were any comments or questions on the draft meeting minutes from the April 21, 2016 meeting. There were no comments or questions. The minutes will be accepted as final and posted on the YVR website (www.yvr.ca).

3. Reduce Greenhouse Gas Emissions – Airport Carbon Accreditation

Jennifer Aldcroft provided an overview of YVR's recent achievement of receiving Airport Carbon Accreditation from Airports Council International. YVR has achieved the Level 2 – Reduction under the program. Jennifer explained how 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. YVR has demonstrated that emissions are being reduced through a variety of actions including improved vehicle fleet efficiency. There was some discussion about the difference between Scope 1, Scope 2 and Scope 3 emissions at YVR. Marion provided some information on emissions reduction work that airlines and the International Civil Aviation Organization (ICAO) are undertaking to provide context for this achievement. Information on ICAO's emission reduction initiatives can be found on their website: <http://www.icao.int/environmental-protection/Pages/Environmental-Trends.aspx>

Attachment 1: Airport Carbon Accreditation Presentation

4. Reduce Waste – Waste Management

Shaye Folk-Blagbrough provided an update on Waste Management at YVR. Shaye explained that YVR is currently diverting approximately 51% of waste material from terminal operations which is a dramatic improvement over the 35% diversion rate at the beginning of 2015. YVR is working with a consultant on a Waste Management Study to identify more opportunities for reducing the amount of waste that is sent to landfill. Some of the waste reduction projects underway and soon to be rolled out include creation of a new food court waste sortation station and installation of a composter that will treat organic material collected at ITB Pre-security food court. The composter will reduce the amount of food waste by 80%, minimizing the amount of material that needs to be transported off of Sea Island. The airport hopes to find a use for the compost material produced, but further investigation will be needed to ensure that the compost can be used around the airport. There are concerns with the compost's compatibility with our wildlife and landscaping

program. In 2016, YVR held its second annual Waste Wars competition. The Waste Wars program was implemented to raise awareness of waste reduction goals with airport tenants in a fun and competitive way. YVR's Waste Wars program was recognized by Airports Council International with an environmental achievement award in the Outreach and Education category. As passenger volumes grow, the airport continues to look for new and innovative ways to achieve measurable results in waste management.

Attachment 2: Waste Management Plan Presentation

5. Reduce Potable Water Use – Water Conservation Plan

Amanda Chow presented the results of the Sea Island Water Conservation Study undertaken with Kerr Wood Leidal consultants. YVR has set a target to reduce water use by 30% over 2012 levels by 2020. The water audit identified the main water users and uses on Sea Island including land tenants and terminal building water use. In 2012 the airport used 1.2 million cubic meters of water with washrooms, food services and heating/cooling systems being the largest categories of use. With YVR's 2020 water demand forecasted to be 1.3 million cubic meters of water, the airport will need to reduce potable water use by approximately 477,000 cubic meters in order to reach the 30% water reduction target. To achieve these reductions the airport will be conducting many water conservation measures such as installing water efficient fixtures and educating staff about water use and our goals. However, conservation measures alone are not expected to achieve the target and therefore YVR will be exploring opportunities to collect and use non-potable water to offset potable water use. Sources of non-potable water being considered include rainwater, groundwater and wastewater. The committee questioned water use by tenants and how tenants were billed for water. Amanda explained that most airport tenants are billed for water by the Airport Authority but some get water directly from the City of Richmond and are billed by the City.

Attachment 3: Water Conservation Plan Presentation

6. Improve Ecosystem Health –Salmon-Safe

Brenden McBain presented an overview of what it means to be a Salmon-Safe airport and the history behind the certification process. In May 2016 YVR became the first airport to be Salmon-Safe certified and we were followed closely by Sea-Tac airport. Brenden explained that Salmon-Safe is a certification program based on rigorous standards that are intended to promote sustainable development with emphasis on landscape-level conservation, stormwater management, water quality protection and protection of biological diversity. Marion pointed out that Salmon-Safe is not about allowing salmon onto the airfield, it is about managing airport land to ensure water leaving the airport is clean and safe for salmon.

YVR underwent a rigorous assessment process that led to the certification. Over the next few years YVR will be conducting work to continually improve practices in a variety of areas

including but not limited to pest management, stormwater management and habitat enhancement. The committee asked if any specific habitat enhancement projects were planned. Marion said that no specific plans were in place yet but YVR will be looking at this more closely and will be potentially looking to partner with other groups such as Canadian Wildlife Service in SICA. The committee encouraged YVR to consider creating pollinator gardens and butterfly gardens as quick and easy enhancement opportunities.

Attachment 4: Salmon-Safe Presentation

7. Master Plan 2037

Marion provided an update on the YVR Master Plan consultation program. Phase 2 of the consultation program ended in November 2016 and included a series of workshops and open house events including a workshop for the Environmental Advisory Committee and Aeronautical Noise Management Committee. The public response and interest was strong and the consultation program was expanded to include a travelling roadshow that toured several parts of the Lower Mainland. A summary of consultation findings will be posted on the Master Plan website when it is completed. A draft Master Plan will be prepared in early 2017 with a final plan being delivered to the Minister in late 2017 and shared with the public in 2018.

Attachment 5: Master Plan Presentation

8. South Airfield Runway End Safety Areas

Simon provided an update on Runway End Safety Area work completed during 2016 and work planned for 2017 in the airfield. In 2016 the second year of a three year construction program was completed on the Runway End Safety Area for Runway 26L. This work will be completed in 2017 along with construction of the crosswind runway end safety areas. There are several other airfield projects planned for 2017 including a pavement overlay on the south runway and resurfacing several taxiways.

Simon let the committee know that the Airport Authority will start to prepare plans for the north runway Runway End Safety Areas in early 2017. Further information on this project will be provided to the committee at the next meeting in early 2017.

Attachment 6: RESA Update Presentation

9. VAFFC Fuel Delivery Project Update

Simon provided an update on the Vancouver Airport Fuel Delivery Project. Simons update was based on information provided by Adrian Pollard at FSM Management. The Fuel Delivery Project received approval of the addendum to their Environmental Assessment Certificate in October. The project received a construction permit approval from Port Metro and has submitted a permit application to the BC Oil and Gas Commission and a

Development Permit to the City of Richmond.

10. Other Business

Marion invited feedback on annual public meeting and sustainability report effectiveness or new ways to engage.

Action:

No new actions resulted from this meeting.

Attachment 1 - Airport Carbon Accreditation Presentation

Attachment 2 - Waste Management Plan Presentation

Attachment 3 - Water Conservation Plan Presentation

Attachment 4 - Salmon-Safe Presentation

Attachment 5 - Master Plan Presentation

Attachment 6 - RESA Update Presentation

2017 Meeting Schedule:

- Wednesday February 8, 2017. 1:30PM-4:30PM
- Wednesday April 12, 2017. 1:30PM-4:30PM
- Tuesday October 3, 2017. 1:30PM-4:30PM