

MEETING MINUTES



Beyond, Every Day.

Meeting Minutes Environmental Advisory Committee

Meeting Date:	May 10, 2018	Meeting Time:	1:00 PM
Location:	Link Boardroom 1	Prepared by:	Cathy Pham
In Attendance:	Marion Town Elaine Fisher Courtney Albert Danielle Wensauer Kevin Eng June Ryder Haley Hoikka	YVR, Environment – Chairperson YVR, Environment Canadian Wildlife Services Transport Canada City of Richmond Nature Vancouver City of Vancouver	
Guests:	Jennifer Aldcroft Arran McAteer David Bradbeer	YVR, Environment YVR, Engineering Wildlife, Airside Services	
Regrets:	Laurie Bates-Frymel Helen Popple Teresa Ehman Jacquelyn Kankam Morgan Guerin Judy Williams Stan O’Keefe Robert Horner	Metro Vancouver City of Vancouver Air Canada Air Canada Musqueam Indian Band Fraser River Coalition Citizen Representative, Richmond Citizen Representative, Richmond	
Secretary	Cathy Pham	YVR, Environment	

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Discussion:

1. **Welcome and Introductions**

Marion Town welcomed the committee.

Action items from the last meeting were addressed: (1) Circulate the ANMC community web survey; (2) Circulate additional information on chopstick recycling, in particular information on the process and what resins are used, with a view to ensuring the resins are not toxic.

2. **Review Minutes from February 28, 2018**

Marion asked the committee if there were any comments or questions on the draft meeting minutes from the February 28, 2018 meeting. There being none, the minutes were adopted as final and will be posted on the YVR website (www.yvr.ca).

3. **Environmental Management Plan Results**

Jennifer Aldcroft presented the Environmental Management Plan (EMP) 2017 Results. The Environmental Management Plan provides the framework for YVR's environmental initiatives for the period 2015 to 2019.

Reduce Greenhouse Gas Emissions

Goal: Reduce Airport Authority tonnes of emissions by 33% over 2012 levels by 2020

In 2017, YVR's total emissions reductions were 3% below 2012 baseline levels. When comparing greenhouse gas (GHG) emissions per passenger, this number has decreased by 30%. Our 2017 results indicate a carbon footprint of 9,355 tonnes, which is a higher value than prior years due to passenger growth and colder weather. YVR has seen success from fleet renewal activities and LED lighting projects. Highlights of tenant engagement activities include the Project Green YVR program which has now assisted 28 tenants to reduce emissions. The planned geo-exchange system in the new Centralized Utilities Building will help meet YVR's GHG reduction target, albeit later than projected.

Reduce Potable Water Use

Goal: Reduce Sea Island cubic meters of potable water consumption by 30% over 2012 levels by 2020

Water use on Sea Island increased slightly in 2017 by 1%, although the usage per

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passenger has been trending downward and is now 26% lower than the 2012 baseline. Water conservation efforts in 2017 focused on the highest water users: food and beverage tenants, hotel, and flight kitchens. All food and beverage tenants underwent a water audit last year which identified areas for improvement and reduction. 2017 highlights include a partnership with Air Canada to retrofit 14 continuous flush urinals at South Hangar, resulting in a 97% reduction in water use at the location.

Reduce Waste

Goal: Reduce 50% kilograms total waste diverted from landfill by 2020

YVR's 2017 waste diversion rate was 51%, meeting our 2020 target for the second year in a row. Since 2012, due to improving diversion rates, waste per passenger has been steadily decreasing and in 2017 was 25% lower than the 2012 baseline. Our award winning Waste Wars program, ITB food court sortation and on-site composter are key to diversion rate improvements. Construction waste diversion rate remains high at 99%. 2017 highlights include diverting 234,000 wooden chopsticks from landfill to be repurposed into wood products as well as launching a latex glove recycling program.

Improve Ecosystem Health

Goal: Improve Ecosystem Health

A colder winter in 2017 required more deicing than the past several years. This colder weather, combined with an unfortunate wildlife breach of the glycol containment lagoon, led to 6 glycol exceedances in 2017. Ecosystem health activities were many and varied, driven in part by the conditions imposed by YVR's Salmon Safe certification. 2017 activities and highlights include:

- Implementing YVR's Integrated Pest Management Plan, including an invasive plant survey, and training to staff and contractors to manage regional invasive species of concern;
- A Drought Tolerant Landscape Management Study;
- Continued a multi-year habitat enhancement program to identify opportunities to improve aquatic habitats in and around Sea Island.
- Completed Stormwater Management Phase 1 planning; and
- Completed a Water Quality Study to review testing parameters.

Noise Management Plan

The Noise Management Plan contains initiatives that support the goal of managing aircraft noise. In 2017, YVR received 1,293 noise concerns, which is a 31% decrease from 2016. The YVR 2017 community survey of Metro Vancouver residents' shows that 82% of

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respondents reported being not annoyed by aircraft noise – down from 86% in 2016.

The committee inquired about the noise mitigation measures that are applied at YVR. Marion Town provided a brief overview of the Noise Management Plan and its initiatives, noting that there is also a dedicated Noise Management Committee. The noise team will follow up directly with committee members who are interested in getting more information.

Compliance: 2017 Activities

In 2017, the Environment department reviewed 210 facility alteration permits, conducted over 150 site visits to conduct construction monitoring and completed environmental audits of 17 tenants.

4. Sustainability in Action – Flywheel Storage and Airfield Critical Power System Project

Arran McAteer, Manager, Technical Services presented the North FEC flywheel project as an example of a sustainable initiative that led to significant reductions in GHGs. These reductions were due to fuel savings that arose from a reduced need to run emergency generators during low visibility operations. This project represents a unique combination of improved safety, increased reliability of our power source, cost savings, and sustainability in the form of fewer GHG emissions.

5. Update on YVR Wildlife Management

David Bradbeer provided an overview of YVR's wildlife management program, with a focus on statistics for various hazard birds including snow geese, gulls, dabbling ducks, and more. He spoke of the challenges faced by the wildlife team such as changes in bird migration routes, drainage issues on Sea Island which attract birds, and the work to ensure compliance with the Salmon Safe certification. New techniques and technologies being trialed and employed include a new avian radar, research into different turf species to discourage feeding, and alternate pest management trials. David also highlighted the use of dogs and trained predator birds as well as noise and light deterrents as additional harassment techniques.

6. Construction Update

Marion provided an update of completed, active, and planned construction projects.

- Completed: south runway overlay, RESA 26L, 13 and 31, and airside/groundside electrification, new value long term parking lot, equipment marshalling pads, and North FEC flywheel / IPU12.
- Active: Taxiway J slab replacement, Pier D expansion, Taxiway M overlay, South

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FEC electrical upgrade, east remote stands, curbside hardening, and pre-work on new CUB site

- Planned: CORE, south dyke upgrade, north RESA, Transborder terminal and apron expansion, additional deicing pads, and taxiway L slab replacement.

The committee inquired about the Templeton site redevelopment. Marion responded that the site has undergone an environmental assessment and that consultation with the local community and others is underway.

7. Other Business

Marion commented to the committee on the proposed new federal Impact Assessment Act that will replace the Canadian Environmental Assessment Act (CEAA).

The next meeting dates will be the Summer Tour on June 20, and the final Q4 meeting on October 24.

Action:

Next Meeting Date:

June 20, 2018 (Summer Tour)