



VANCOUVER AIRPORT AUTHORITY

# ENVIRONMENTAL MANAGEMENT PLAN

ENVIRONMENTAL EXCELLENCE AT YVR: A STRATEGY TO SUSTAIN & GO BEYOND

November, 2008



Beyond, Every Day.

## INTRODUCTION

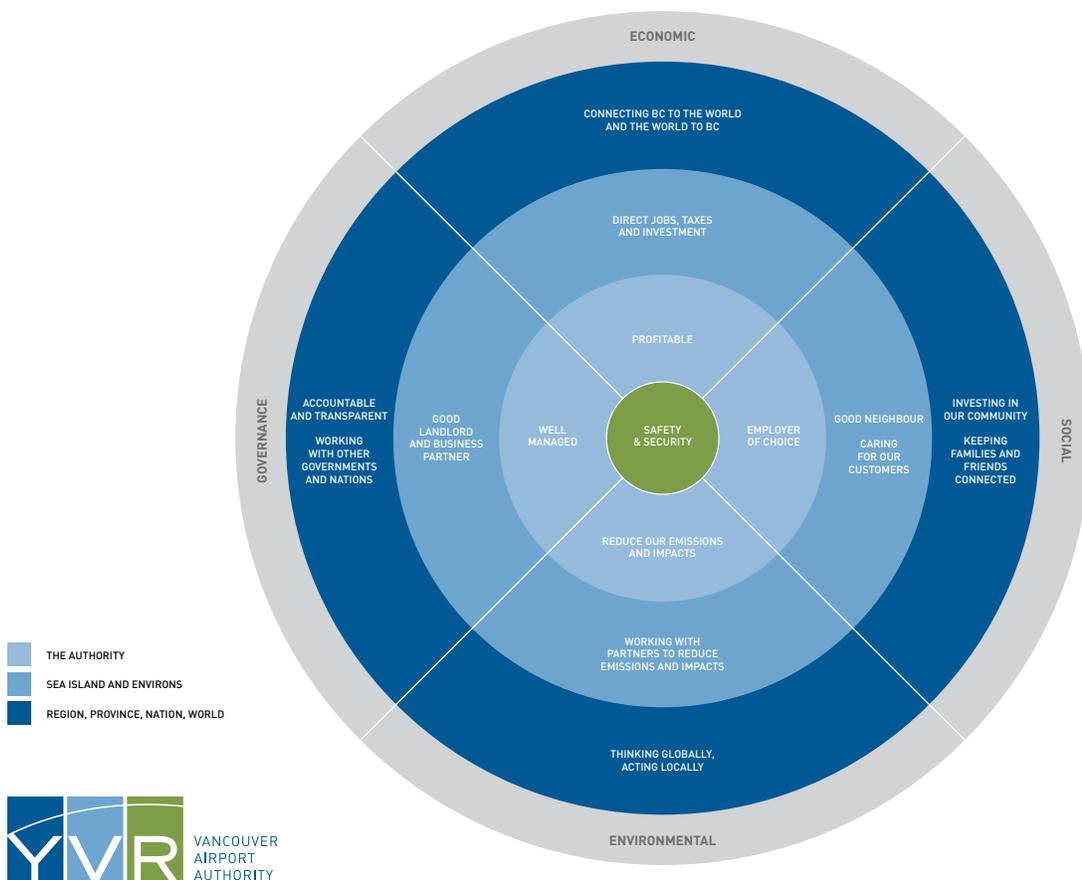
The Vancouver Airport Authority is committed to the development of a sustainable airport for the future of British Columbia. To do this, we seek to better integrate the economic, social, environmental and governance aspects of our business.

We envision the Vancouver International Airport (“YVR”) as a sustainable airport and we will advance this vision by increasing our contribution to the economic, social and environmental well-being of the Fraser River Estuary, British Columbia and Canada.

The Airport Authority is dedicated to operating YVR in a manner that minimizes negative impacts on the environment, both natural and urban while seizing opportunities to create environmental benefits. As a community based organization, the Airport Authority is committed to the long-term health and vitality of our surrounding communities.

We recognize that our success as a global operator comes from our commitment to environmental excellence and our responsibility in communicating our plans and activities to our communities. This commitment has resulted in YVR being widely viewed as an innovative environmental leader in the aviation industry.

Building on this success, this update of our Environmental Management Plan will set out how the Airport Authority will sustain environmental excellence at YVR. It identifies the programs, plans, and initiatives that enhance the Airport Authority’s operations and development to become more environmentally sustainable.



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## SETTING THE CONTEXT

### ECOLOGICAL CONTEXT

YVR's Sea Island home is part of a vibrant natural setting at the mouth of the Fraser River. The Fraser River supports one of the world's largest salmon runs and its estuary provides a major staging area for migratory birds on the Pacific Flyway. Sea Island and the immediate surroundings include five designated protected habitat areas: Sea Island Conservation Area, McDonald Beach Park, Sturgeon Bank Wildlife Management Area, Iona Beach Regional Park and Swishwash Island. The Airport is located on federal property within the City of Richmond, across the river from the City of Vancouver, and only 15 kilometres from Vancouver's downtown. This proximity to major urban settings adds to the challenge of operating YVR 24 hours a day while minimizing the level of disturbance from aircraft noise and airport operations on its neighbours.

### REGULATORY CONTEXT: ENVIRONMENTAL LAWS

Since the transfer of responsibility for airport management in 1992, the Airport Authority has been operating the airport under the provisions of a lease from the federal government. Federal regulations and standards are used as the basis for environmental programs and performance. In the interests of responsible environmental management, the Airport Authority works to meet or exceed additional, self-imposed standards, including the adoption of applicable provincial and regional regulations. This means that if provincial, regional or municipal regulations or bylaws provide pertinent standards, the Airport Authority will endeavour to meet those standards. The Airport Authority also requires its tenants to uphold the same standards.



## ENVIRONMENTAL MANAGEMENT AT YVR

There are risks and obligations associated with aviation safety, security, occupational health & safety and environment that are inherent in operating an international airport. To effectively manage and mitigate these risks, an organization needs robust policies, procedures and management systems. The Airport Authority has established systems and core programs in all these areas. Wherever possible, we have integrated these elements to ensure consistency and simplicity.

## VANCOUVER AIRPORT AUTHORITY SAFETY, SECURITY AND ENVIRONMENTAL POLICY

In 2008, the Airport Authority adopted an integrated policy for safety, security and environment.

Specifically the **Safety, Security and Environmental Policy** states:

The Vancouver Airport Authority is committed to excellence in safety, security, and environmental management. Our primary objective is to build, operate and maintain a safe, secure and environmentally sustainable airport for our employees and customers alike.

Our commitment is delivered through a collaborative approach with continuous review and improvement of our operating performance. Our safety, security and environmental programs are driven and supported by our Executive working together with our strong, flexible and capable team of professional employees.

The Executive Committee will lead our efforts to:

- Meet all applicable safety, security and environment laws and regulations;
- Train and educate our employees in support of safety, security and environmental excellence;
- Set specific measurable goals for safety, security and environmental performance and regularly report on these results; and,
- Promote a culture whereby employees:
  - voluntarily self-report any acts, deficiencies, hazards or occurrences that threaten safety, security or the environment and,
  - actively identify, seek out, report and rectify hazards in order to maintain a safe, secure and environmentally sustainable airport.

This overarching integrated policy provides definition to what we mean by excellence in management of these risk areas.

## ENVIRONMENTAL MANAGEMENT: A SYSTEMS APPROACH

To ensure that we continually improve our environmental performance, the Airport Authority has an Environmental, Health and Safety Management System (“EHSMS”) that is based on ISO 14001 and OHSAS 18001 (YVR is ISO aligned but not certified). Both ISO 14001 and OHSAS 18001 are internationally recognized standards that outline the structure of an Environmental Management System and Occupational Safety and Health Management System, respectively.

In addition, the Airport Authority is updating the Aviation Safety Management System (“ASMS”) to comply with the new Transport Canada regulated framework by March, 2009. The ASMS has a similar framework as the Airport Authority’s EHSMS, therefore wherever there are opportunities, we will integrate common system elements such as risk assessment and incident reporting.

The EHSMS sets out the framework for ensuring accountability for implementation and operation at the departmental level along with a program of auditing to support issue identification and continuous improvement. The system is a framework to help achieve continual improvement in environmental, health and safety performance. Internal audits are carried out to make certain that the Airport Authority continues to achieve compliance and continual improvement.





## **CORE ENVIRONMENTAL PROGRAM AREAS**

The EHSMS identifies key areas of risk or opportunity, which along with the Airport Authority Safety, Security and Environmental Policy, become the basis for the development of environmental programs. The Airport Authority has integrated the following series of valuable core programs into the Airport's business and operations:



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## AERONAUTICAL NOISE

The purpose of the Aeronautical Noise Management Program is to minimize the level of disturbance to those living in communities in the vicinity of the airport while recognizing the need for continued airport operations. The challenge inherent to this program is balancing the often competing demands for safe, convenient, 24-hour airport services and those for enjoyable urban living. We work to achieve this balance through:

- Implementing initiatives outlined in a five-year Noise Management Plan developed in consultation with stakeholders;
- Developing policies and procedures in consultation with community and industry through the Aeronautical Noise Management Committee;
- Providing input into the development of noise abatement procedures governing take-offs and landings, runway use, hours of operations and aircraft type;
- Responding to public concerns and questions;
- Participating in and supporting international efforts to develop new standards and technologies for noise mitigation.

### WHAT HAVE WE ACCOMPLISHED TO DATE?

- Implemented special air traffic control procedures for certain flights at night to minimize over-flight of populated areas.
- Prepared and implemented two Noise Management Plans (1998 – 2008) and currently developing the third edition
- Expanded the network on noise monitoring terminals to report on the contribution of aircraft noise in the community.
- Created the YVR Fly Quiet Awards to promote awareness of noise management practices among airlines.
- Completed delay reduction initiatives including the development of guidelines for the use of the north runway for departures to reduce delays.

## AIR QUALITY AND CLIMATE CHANGE

The Airport Authority's air quality program addresses airport and airport-related activities that could impact local, regional and global air quality through the production of pollutants, including greenhouse gases and ozone-depleting substances.

Climate change has become a significant global issue and the Airport Authority is committed to confronting carbon by reducing our carbon footprint along with the emissions that impact local air quality. The Air Quality Management program aims to reduce emissions by promoting alternative forms of transportation to and from Sea Island, working with business partners to increase the use of low-emission vehicles, improving Airport infrastructure to reduce emissions and raising awareness of clean air issues. We carefully manage our activities, such as halocarbon (refrigerant) and point source fossil fuel usage, to ensure we minimize the impact of activities and equipment within our jurisdiction.

### WHAT HAVE WE ACCOMPLISHED TO DATE?

- Implemented a Green Commuter Rebate program
- Improved public transit access through transit exchange loop and rapid bus service as well as from \$300M investment in light rapid transit (Canada Line)
- Constructed a dedicated employee cycling storage and change facility for bike commuters
- Established an Express Exit parking payment system to reduce vehicles waits at pay/exit stations
- Established a taxi incentive program to encourage conversion to low emission vehicles
- Introduced low emission vehicles into airport fleet: 5 hybrids and 13 fuel efficient vehicles were acquired by year end of 2008
- Introduced biodiesel (B5) for groundside and airside fleet vehicles
- Implemented an idle-free campaign and guideline
- Installed fixed and/or mobile ground power units at all terminal gates

## WATER QUALITY

The purpose of the Water Quality Program is to protect the Fraser River and Strait of Georgia from airport activities by preventing the contamination of surface water runoff on Sea Island. Groundwater is addressed in the Contaminated Sites Program. The challenge is to identify and manage activities that may impact surface water using best management practices and economically viable procedures. The program consists of:

- Developing and implementing policies and standards that help prevent water pollution;
- Monitoring the quality of storm water runoff;
- Reporting and communicating results.

### WHAT HAVE WE ACCOMPLISHED TO DATE?

- Constructed dedicated de-icing pads and lagoons; established an on-site glycol processing program
- Installed oil water separators in most apron drainage areas.
- All major construction projects develop site specific spill response plans and erosion control plans
- Regular monitoring of airport runoff water quality
- Comprehensive deicing and winter operations plans updated annually

## NATURAL HABITAT

The goal of the Natural Habitat Management Program is to protect environmentally sensitive features (e.g., Sea Island Conservation Area) from impacts of airport operations. The Airport Authority works closely with owners of adjacent lands, regulatory agencies, environmental groups and other stakeholders to protect environmentally sensitive features on and adjacent to YVR from the impact of airport operations. The key challenge is to balance competing interests such as the safety of airport operations and wildlife control with environmental protection.

### WHAT HAVE WE ACCOMPLISHED TO DATE?

- Developed and implemented a comprehensive wildlife control plan
- Compensated for potential wildlife impacts associated with wildlife control
- Provide support to Nature Conservancy of Canada for maintenance of the Swishwash Island

## HAZARDOUS MATERIALS

The goal of the hazardous materials program is to reduce risk by exceeding the regulatory requirements for the life cycle management and safe handling of hazardous materials while preventing and preparing for possible spills. The Airport Authority does this through specific training and workplace inspections to ensure compliance with all regulations, and through our recycling and disposal system for hazardous waste. The program also includes responsibilities for managing and updating the Environmental Emergency Response Plan, including planning, preparing and practicing for environmental emergencies.

### WHAT HAVE WE ACCOMPLISHED TO DATE?

- Developed and implanted a hazardous waste management program, whereby all regulated waste is recycled or disposed at approved hazardous waste facilities
- Developed and implemented an environmental emergency preparedness and response program that has limited the spills of hazardous materials; we experienced only 2 spills of jet fuel (over 100L) of the total 1.6 billion litres handled in 2007

## CONTAMINATED SITES

The purpose of this program is to enable the Airport Authority and its tenants, in conjunction with Transport Canada, to manage contaminated sites at YVR and reduce any potential risks and long-term liabilities. Transport Canada is responsible for contaminated sites on Sea Island that existed prior to 1992. The challenge for this program is that Transport Canada must manage all its sites across Canada on a priority basis. Sometimes a contaminated site that presents a lower risk still becomes an issue because of land development. We continue to work together to ensure that contaminated sites are managed in accordance with the Treasury Board's Federal Contaminated Sites Management Policy.

### WHAT HAVE WE ACCOMPLISHED TO DATE?

- Developed a comprehensive inventory of contaminated sites on Sea Island
- Conducted several large remediation programs in conjunction with new building construction

## ENVIRONMENTAL IMPACT ASSESSMENT & SUSTAINABLE BUILDING DESIGN

The goal of the Environmental Impact Assessment Program is to ensure environmental impacts are identified, avoided or mitigated by integrating environmental management measures into planning, design, construction and operation of all new projects. In addition, the review process considers any potential archaeological, cultural or historical impacts. The key challenge facing this program is providing a transparent review process that is open to public comment and consultation with external agencies, while not burdening the process with unnecessary bureaucracy. To achieve this, the Airport Authority uses the Facility Permit process to review and monitor all new construction activities. The program includes providing environmental input during all projects phases and promoting the benefits of addressing environmental issues at the design phase of a project. Large projects and those that are environmentally sensitive are monitored regularly by Environment staff to ensure mitigation efforts are implemented as planned and all standards are met.

### WHAT HAVE WE ACCOMPLISHED TO DATE?

- Proactively managed environmental issues on the \$1.5 billion capital program with no significant environmental impacts
- Environmental reviews completed for hundreds of projects
- Developed a Sustainable Building Design Guideline and checklist to incorporate environmental features into the design of new construction

## ENERGY AND RESOURCES

This program promotes the importance of resource-efficient operations and identifies ways to reduce consumption of natural gas, diesel, gasoline, water and electricity at the airport. As a BC Hydro PowerSmart Leader, YVR is committed to continual energy efficiency improvements. The focus of the program is to identify new and innovative energy management opportunities and facilitate their implementation into building design, operation and maintenance. The program also explores opportunities beyond energy for resource efficiency improvements.

### WHAT HAVE WE ACCOMPLISHED TO DATE?

- Designated the first BC Hydro Power Smart Certified Company
- The first North American airport to install LED lighting on taxiways
- Installed photocells and motion sensors to regulate and optimize interior and exterior lighting
- Patented a black box to regulate electrical power to the Flight Information Display monitors when no flights are scheduled
- Developed an econo-mode setting on baggage conveyor belts to shut down conveyors when no bags are present
- Installed a solar hot water heating system in the domestic terminal building, which in 2003 was BC's largest installation
- Installed a groundwater cooling system for the International terminal building
- Installed carbon dioxide sensors to control heating, ventilation and air conditioning (HVAC) according to number of people in area
- Installed efficient doorways to help regulate interior temperature
- Optimized heating and cooling set points
- Installed water efficient fixtures in all new washrooms
- Lighting retrofit: replaced thousands of lights with more efficient models

## WASTE

The Airport Authority oversees a series of initiatives aimed at reducing waste and promoting recycling by Airport Authority employees, airport tenants and passengers. The challenge to achieving this target is that the Airport Authority does not have direct control over tenants and airport visitors who are large contributors to the waste stream. In addition to providing effective systems and infrastructure, the Airport Authority implements educational initiatives to increase awareness of recycling facilities and practices at YVR.

### WHAT HAVE WE ACCOMPLISHED TO DATE?

- Established a comprehensive program to recycle: paper, newspaper, cardboard, glass, metal, plastic, organic food waste, laser toner cartridges, yard waste, fluorescent lamps, household batteries, electronics (computers, cellular phones and pagers), used oil, oil filters, antifreeze, automotive batteries, scrap metal, construction waste, tires
- Established program to collect & recycle waste grease generated from food & beverage tenants
- Designed and began deployment of new combined waste and recycling containers throughout terminal complex

While the Environment Department plays a lead in managing these programs and their associated plans, a variety of departments across the Airport Authority share responsibility & accountability. These departments make a significant contribution to the programs' success, often taking the lead in implementing program initiatives. (see following table)

## INTRODUCTION

The Vancouver Airport Authority is committed to the development of a sustainable airport for the future of British Columbia. To do this, we seek to better integrate the economic, social, environmental and governance aspects of our business.

COMMUNITY AND ENVIRONMENTAL AFFAIRS		AIRPORT OPERATIONS		MARKETING AND COMMERCIAL DEVELOPMENT		ENGINEERING		BUSINESS, FINANCE AND ADMINISTRATION		LEGEND
FUNCTION OR DEPARTMENT	ENVIRONMENTAL ELEMENT	FUNCTION OR DEPARTMENT	ENVIRONMENTAL ELEMENT	FUNCTION OR DEPARTMENT	ENVIRONMENTAL ELEMENT	FUNCTION OR DEPARTMENT	ENVIRONMENTAL ELEMENT	FUNCTION OR DEPARTMENT	ENVIRONMENTAL ELEMENT	
Environmental Services and Education (Including Noise Abatement)		Airside Operations (Including Airfield Emergency Services)		Land Development and Leasing		Engineering Services		Finance, Purchasing and Contracting Services		<p><b>LEGEND</b></p> <ul style="list-style-type: none"> <li> Aeronautical Noise</li> <li> Construction and Environmental Impact Assessment</li> <li> Air Quality and Climate Change</li> <li> Hazardous Materials</li> <li> Contaminated Sites</li> <li> Waste Management and Recycling</li> <li> Wildlife and Natural Habitat</li> <li> Water Quality</li> <li> Energy Efficiency</li> </ul>
Communications		Customer Care (Including Terminal Operations)		Parking and Ground Transportation		Engineering Projects and Capital Facilities Development		Human Resources (Including Health and Safety)		
		Security and Emergency Planning		Retail Sales and Services		Maintenance and Fleet Planning		Strategic Planning and Legal Services		
								Information Technology and Simplified Passenger Travel		



## KEY ELEMENTS TO SUSTAINING ENVIRONMENTAL EXCELLENCE

The following key elements that underlie the policy, the system and the programs are essential to sustaining environmental excellence at YVR.

### COMMITMENT & ACCOUNTABILITY

The President and Chief Executive Officer is responsible for ensuring compliance with the Airport Authority's environmental, health and safety policies and practices. The Vice President, Community and Environmental Affairs, provides leadership, direction and management for the environmental issues of the airport. All Airport Authority employees are responsible for, and are expected to abide by the Airport Authority's Environmental Policy in their routine operations and will be held accountable for environmental performance. Airport tenants are required to adhere to the environmental requirements of their leases so that collectively we can improve environmental performance. All contractors and suppliers are required to conduct their business in a manner that meets the objectives of the Environmental Management Plan.

The Environment Department provides professional environmental expertise, leadership and support to all Airport Authority departments through four key functions:

- environmental program development and implementation;
- environmental technical support, including research & development;
- communications including raising awareness, training and reporting;
- implementation of the environmental, health and safety management system, jointly with the Health and Safety Group of the Human Resources Department and Aviation Operations.

The Environment Department has a role to advise, facilitate and support Airport Authority departments and external partners within the YVR community to identify and advance key environmental initiatives.

## **CROSS-DEPARTMENT TEAMS**

A key focus of developing a culture of sustainability is to empower cross-departmental teams with the ability and responsibility to create positive change through innovative solutions. The value of these teams is their cross-functional nature and collective accountability to move forward on action plans and initiatives. These teams coordinate the core knowledge and expertise that exists within various Airport Authority departments with a focus on developing new best management practices.

## **CONSULTATION**

There are two key external stakeholder groups that play important advisory roles in terms of reviewing and contributing to improved and more effective environmental management at YVR. The Environmental Advisory Committee provides input on the Airport Authority's environmental management program and consists of representatives from community and environmental groups, industry, government, citizens and the Musqueam Indian Band. The Aeronautical Noise Management Committee has representatives from communities, airlines, industry associations, NAV Canada and governments. It addresses aircraft noise issues, and is used as a forum to discuss mitigation programs and to solicit input on noise management initiatives.

## **COMMUNICATION & REPORTING**

Communication and awareness building is key to ensuring environmental excellence. The Airport Authority undertakes a variety of approaches to communicate the various aspects of sustainability to staff, tenants, partners and the traveling public.

The Airport Authority believes that the best way to ensure continuous improvement in environmental performance is to have all employees and business partners be aware of their natural and social surroundings, as well as their role in protecting it. With this understanding comes a sense of responsibility for the environmental performance of the Airport. In addition to awareness-building, specific training includes new employee orientations, professional development for Environment Department staff, and targeted training for other departments and tenants.

The Airport Authority promotes environmental awareness among our employees, passengers, and partners through the Communication, Awareness, Recognition, and Education ("CARE") program. The goal of the CARE program is to create a culture of environmental responsibility through-out the airport community. Projects that fall under the CARE program focus on key environmental principles such as waste reduction, carbon neutrality, and energy efficiency. These projects include public displays, educational presentations, internal bulletins, eco-initiative rewards, tenant education workshops, and community outreach. Further, the Airport Authority actively participates during Environment Week, an annual event to promote the environment.

The Airport Authority is committed to reporting publicly on its environmental performance and does so annually through the YVR Sustainability Report.

## **CONTINUOUS IMPROVEMENT OF ENVIRONMENTAL MANAGEMENT PLAN**

To ensure continuous improvement, the Plan will be reviewed annually and updated as required. The Environment Department under the direction of Vice President, Community and Environmental Affairs, will lead the review, consulting with the Environmental Advisory Committee and the Airport Authority's departments and management to identify recommended improvements. The results of this review will be considered by the Executive Committee and the Board of Directors, through the Governance Committee. Any changes to the Safety, Security and Environmental Policy will be approved by the Executive Committee.



## **THE STRATEGY FOR GOING BEYOND**

Many of the environmental impacts of aviation are difficult to manage. In the process of supporting a productive economy, airports can create undesirable emissions and impacts including greenhouse gases, other pollutants, noise, waste and impair sensitive fish and wildlife habitats.

The Authority needs to lead by example to be environmentally sustainable. Airport facilities and operations in our direct control must be more environmentally sound to build credibility and respect. We must provide support and incentives to our Sea Island partners as they strive to reduce their environmental footprint within a sustainability context.

The Airport Authority's core environmental programs are effectively managing environmental risks, taking us well beyond compliance to environmental laws and regulations by incorporating leading environmental practices.

As a truly sustainable airport, we must build on our excellent record of compliance and implementation of innovative practices and initiatives. We will continuously focus efforts to improve and enhance our core environmental programs. And, as a priority over the next five years from 2009-2013, we will focus our efforts on implementing emission, energy and waste reduction strategies. In addition, we will develop and implement a communications program to promote awareness to support achievement of key sustainability goals throughout the entire airport community.

The following describes the five strategic priorities and their associated initiatives.

## **STRATEGIC PRIORITY #1: REDUCE EMISSIONS**

Minimizing greenhouse gases (“GHGs”) is now a global imperative. Emissions reduction will likely become an economic necessity as carbon releases are priced, taxed and traded. In addition, local air quality can be seriously affected through the release of criteria air contaminants (“CACs”) such as volatile organic compounds and nitrogen oxides.

GHGs and CACs are generated from airport operations including vehicle access by passengers, employees and freight, by air-carrier ground operations and the landing and take-off phase of flights.

A comprehensive inventory of air emissions was recently conducted at YVR. The 2007 Vancouver International Airport Emissions Inventory (“the Emissions Inventory”) estimated GHG and CAC emissions for 2007 from the majority of stationary and mobile source emissions associated with airport operations, thus helping to identify and target those sources of emissions which have the greatest reduction potential.

By taking action to reduce GHG and CAC emissions at YVR, the Airport Authority is contributing to the global effort to slow the rate of climate change and to improve local air quality.

### **SPECIFIC EMISSION REDUCTION ACTIONS TO UNDERTAKE FOR 2009-2013:**

- Continue to implement Airport Authority fleet management initiatives
- Reduce emissions from ground transportation to YVR
- Support replacement or conversion of airside ground support fleet to low or no emission equipment
- Participate in a hydrogen technology demonstration project
- Develop and implement pilot project for Single Engine Taxiing
- Reduce emissions from auxiliary power units by increasing use of ground power units & pre-conditioned air
- Commence planning for the North-South Taxiway

## **STRATEGIC PRIORITY #2: REDUCE ENERGY USAGE**

With the cost of energy increasing at an unprecedented rate, coupled with the need to minimize greenhouse gases, the efficient use of energy is essential for a sustainable airport. Energy is consumed at YVR by interior and exterior lighting, baggage systems, electronics and computers, transport devices (moving walkways and elevators), heating, ventilation and air conditioning (HVAC) systems and ground power units.

### **SPECIFIC ENERGY REDUCTION ACTIONS TO UNDERTAKE FOR 2009-2013:**

- Support ongoing implementation of Energy Reduction Team and its activities
- Expand solar domestic hot water system
- Explore partnerships with others to develop alternative fuel sources for natural gas boilers and/or fleet
- Investigate the feasibility of expanding geothermal sources for future land development on Sea Island
- Demonstrate wind power applications on Sea Island
- Explore and expand LED technology opportunities
- Implement Sustainable Building Design Guidelines
- Support energy reduction efforts by concession partners

## **STRATEGIC PRIORITY #3: REDUCE WASTE GENERATION AND ENHANCE RECYCLING**

The Airport Authority oversees a series of programs aimed at reducing waste and increasing recycling by Airport Authority employees, airport tenants and passengers. Current tenant and public recycling infrastructure includes glass, metals, plastics, paper, cardboard, compostables, cooking oil, and batteries.

Waste statistics are tracked for three areas of the airport: terminals, satellite sites and construction projects. In 2007, the Airport Authority was able to recycle, compost or reuse 30% of waste from airport terminals, 34% of waste from satellite sites, and 80% of material from construction projects

### **SPECIFIC WASTE REDUCTION ACTIONS TO UNDERTAKE FOR 2009-2013:**

- Complete deployment of combined waste and recycling containers
- Improve usage of existing terminal system and infrastructure
- Develop pilot program for off-aircraft recycling
- Develop and implement Sustainable Purchasing Strategy

#### **STRATEGIC PRIORITY #4: IMPLEMENT A COMMUNICATION, AWARENESS, RECOGNITION AND EDUCATION (CARE) PROGRAM**

The Airport Authority currently offers a suite of environmental training, awareness, and communications initiatives delivered to tenants, to the public, and to our own employees. The Airport Authority is committed to increasing the effectiveness and outreach of these initiatives by coordinating them under a common program: Communication, Awareness, Recognition and Education – CARE.

##### **SPECIFIC ACTIONS TO UNDERTAKE FOR 2009-2013:**

- Formalize the CARE program to ensure initiatives are consistent and efficient and the results are traceable and reportable
- Engage Airport Authority employees in the CARE program by, for example, developing a team of sustainability champions throughout the Airport Authority to promote positive change, expanding to tenants, retailers, and airlines on Sea Island.
- Promote Airport Authority sustainability initiatives and increase public support, by for example, promoting use of Canada Line and developing a Community Information Center

#### **STRATEGIC PRIORITY #5: CONTINUOUS IMPROVEMENT OF ENVIRONMENTAL MANAGEMENT**

An ongoing priority for the Environment Department is to ensure that the core environmental programs continue to serve us well with respect to effectively managing our environmental risks and opportunities at YVR. While these programs are routinely updated to address new regulations and legislation and to incorporate emerging best management practices, there is an opportunity to undertake a more formal, comprehensive review of the system and the programs to ensure continuous improvement. These reviews will confirm the objective and scope of each program and will ensure we are focusing on the right risks and undertaking the most effective and innovative approach to manage them.

##### **SPECIFIC ACTIONS TO UNDERTAKE FOR 2009-2013:**

- Conduct a high level assessment of airport operations and their associated environmental risks to ensure the corresponding programs are in place
- Formalize program documentation for each of the core environmental programs
- Conduct a review of each of the nine core programs

