

Carbon Neutral Action Report BC Oil and Gas Commission

Executive Summary

The Commission continues to support the Province's Energy Plan and objectives by implementing flaring reduction guidelines and investing in measures to reduce its operational carbon footprint to achieve carbon neutrality by 2010. The Commission will continue to implement plans and pursue actions to minimize its carbon footprint. This will include measuring GHG emissions using the Climate Action Secretariat's SMARTTOOL. The Commission continues to move forward with implementing priority aspects of the BC Energy Plan, including flaring reduction, commingling policy and community-level engagements.

Objectives

The Commission's Service Plan outlines the Goals the Commission intends to achieve. Goal 1 of the Service Plan is "The Commission protects the interests of the people of British Columbia."

Objectives:

1. Maintain public safety and safety of operations.
2. Minimize potential for negative environmental effects from oil and gas activities.
3. Ensure optimal recovery of oil and gas resources over time.

Strategies:

1. Develop, implement and maintain internal systems and processes for managing risks to public interests.
2. Maintain emergency management and emergency response planning framework.
3. Develop innovative reservoir management techniques for efficient and effective extraction of petroleum resources for unconventional gas.

Part 1: Actions Taken to Reduce Greenhouse Gas Emissions in 2008

Overview

During the 2008 Calendar year the Commission has changed vehicles in its fleet to hybrid models, it has also implemented flaring reduction guidelines. In addition to this, the Commission's Victoria office will be moving to a LEED Certified building. The Commission has installed multi-use printer/photocopier/scanners, has reduced paper consumption by implementing double-sided printing, has reduced travel by installing video conferencing.

1.1 Mobile Fuel Combustion

The Commission has been using hybrid vehicles to offset its fuel consumption.

Action	Action Taken	Outcome/Performance Measure	Notes Clarifying Action Taken
Replaced # of TYPE OF VEHICLE with MORE EFFICIENT VEHICLE/Hybrid	In Progress		The Commission currently has several Hybrid Vehicle and is looking to expand the number of Hybrids based on their performance in the climates in North East BC
Initiated new fleet maintenance program (could include – changing filters, checking tire pressure, regular check-ups)	In Progress	The percentage of employees who participate in this	The Commissions vehicles receive regular maintenance as per the manufacturers instructions
Encouraged car pooling in fleet vehicles	In Progress	The percentage of employees who participate in this	
Encouraged use of public transit/active transportation	In Progress	The percentage of employees who participate in this	The Commission encourages public transportation where available
Established travel reduction goals	In Progress	The percentage of employees who participate in this	The Commission has cut down on travel whenever possible, and has implemented video conferencing
Adopted a travel policy	In Progress	The percentage of employees who participate in this	The Commission has cut down on travel whenever possible, and has implemented video conferencing

1.2 Stationary fuel combustion and electricity

Action	Action Taken	Outcome/Performance Measure	Notes Clarifying Action Taken
Undertaken workstation tune-ups to help staff understand what they can do to reduce personal energy use	Complete	The percentage of employees who participate in this	The Commission has conducted "Power Smart" sessions in conjunction with BC Hydro. Employees were encouraged to take actions to reduce their power consumption at the office as well as in their own homes. They were also provided with materials to support this. Although the Commission held these sessions they were not considered mandatory.
Supplied power bars – to turn off power to non-essential items when not in use (e.g. phone chargers)	Complete	The percentage of employees who participate in this	All employees have power bars and have been encouraged to turn off not essential items when they are not in use
Replaced # computers with EnergyStar models	Complete	Over the last year the Commission has replaced all computers with EnergyStar models	All Commission computers are EnergyStar

Turned off lights in unused rooms	Complete	The percentage of employees who participate in this	
Replaced Refrigerators (EnergyStar rated appliance)	Complete	The percentage of employees who participated in this	
Replaced other appliances (with EnergyStar rated appliance)	Complete	The percentage of employees who participated in this	
Installed multi-function devices (and removed stand-alone printers/faxes)	Complete	The percentage of employees who participated in this	
Applied for LEED existing building rating	Complete	The percentage of employees who participated in this	The Victoria Office of the Commission will be moving into a LEEDS Certified building

1.3 Supplies

Action	Action Taken	Outcome/Performance Measure	Notes Clarifying Action Taken
Committed to use 30% recycled paper	Complete	The amount of paper used by each facility	
Re-used non-confidential scrap paper	Complete	The percentage of employees who participated in this	
Used laptops/tablets	Complete	The percentage of employees who participated in this	
Restructured a process to use less paper	Complete	The percentage of employees who participated in this	
Actions on non-paper related supplies:			
Purchased cradle to cradle goods	Complete		
Chose "Green" items from Distribution Centre	Complete		
Encouraged re-use of furniture and equipment	Complete		

1.4 Travel

Action	Action Taken	Outcome/Performance Measure	Notes Clarifying Action Taken
Set a X% Travel reduction goal	in progress	Travel has been decreased	The Commission has reduced travel whenever possible
Installed Video Conferencing facilities	Complete	The percentage of employees who participated in this	Video Conferencing has been installed in the Victoria and Fort St. John offices
Initiated Travel Policy	Complete	The percentage of employees who participated in this	

1.5 Employee Engagement

Action	Action Taken	Outcome/Performance Measure	Notes Clarifying Action Taken
Provided climate change education	Complete	The percentage of employees who participated in this	There have been BC Hydro PowerSmart Presentations
Provided conservation education	Complete	The percentage of employees who participated in this	There have been BC Hydro PowerSmart Presentations
Developed Green Teams	In progress	The percentage of employees who participated in this	The Commission Currently has a Green Team in place

Supported Green Teams (resources)	In progress	The percentage of employees who participated in this	
Provided green tips	In progress	The percentage of employees who value and use these strategies	The Health and Wellness program supports and provides "green tips" for employees
Supported professional development	Complete	The percentage of employees who participated in this	
Added green work goal to performance management	Complete	The percentage of employees who participated in this	

1.6 Sustainability Actions (others)

Action	Action Taken	Outcome/Performance Measure	Notes Clarifying Action Taken
Ran dishwasher only when full	Complete	The percentage of employees who participated in this	
Reduced/replaced bottled water with filtered or refrigerated water	Complete		
Improved recycling measures	Complete	The percentage of employees who participated in this	
Used re-usable dishes	Complete	The percentage of employees who participated in this	
Purchased green cleaning products	Complete	The percentage of green cleaning products versus non-green cleaning products	

Part 2: Plans to Continue Reducing Greenhouse Gas Emissions 2009 -- 2011

Overview	The Commission will continue to take steps to further reduce its Carbon Footprint.
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2.1 Mobile Fuel Combustion

Action	Action Planned	Outcome/Performance Measure	Notes Clarifying Action Taken	Timeframe
Replace # of TYPE OF VEHICLE with MORE EFFICIENT VEHICLE/Hybrid	In Progress	percentage of fleet that are hybrid	The Commission Plans on continuing to add Hybrid Vehicles to its fleet	
Provide driver training to reduce fuel use	In Progress	percentage of employees who participate	Provide training	
Initiate new fleet maintenance program (could include – changing filters, checking tire pressure, regular check-ups)	In Progress	percentage of employees who participate		
Establish anti-idling behaviour change program (e.g. signs, stickers, messages)	In Progress	percentage of employees who participate	Provide training / information for employees	
Encourage car pooling in fleet vehicles	In Progress	percentage of employees who participate	Provide training / information for employees	
Encourage use of public transit/active transportation	In Progress	percentage of employees who participate	Provide training / information for employees	
Encourage alternatives to travel in fleet vehicles – bicycles, scooters, electric carts	In Progress	percentage of employees who participate	Promote use of alternate transportation	
Establish travel reduction goals	In Progress	number of flights decreased, number of meetings are by video conference	continued use of Video Conference	

2.2 Stationary Fuel Combustion (including electricity)

Action	Action Planned	Outcome/Performance Measure	Notes Clarifying Action Taken	Timeframe
Undertake workstation tune-ups to help staff understand what they can do to reduce personal energy use	In Progress	The percentage of employees who participate		
Supply power bars – to turn off power to non-essential items when not in use (e.g. phone chargers)	In Progress	The percentage of employees who participate		
Undertaken Monitor turn-off challenge	planned	The percentage of employees who participate		
Replace # computers with EnergyStar models	In Progress			
Ask staff to close blinds daily	In Progress	The percentage of employees who participate		
Use air dry setting on dishwashers	In Progress	The percentage of employees who participate		
Encourage staff to use stairs	In Progress	The percentage of employees who participate		
Turn off lights in unused rooms	In Progress	The percentage of employees who participate		
Replace Refrigerators (EnergyStar rated appliance)	planned			
Replace other appliances (with EnergyStar rated appliance)	planned			
Install multi-function devices (and remove stand-alone printers/faxes)	In Progress			
Replace standard bulbs with CFLs	planned			
Install motion activated lights	planned			
Undertake lighting retrofit	planned			
Implement server virtualization	planned			
Utilize desk-top power management settings on computer	planned			
Unplug unused equipment	In Progress	The percentage of employees who participate		
Apply for LEED existing building rating	In Progress		The Victoria Office will be moving to a LEED Certified building	
Undertake building energy audit at LOCATION(s)	planned			
Initiate or complete a building energy retrofit	planned			

2.3 Supplies

Action	Action Planned	Outcome/Performance Measure	Notes Clarifying Action Taken	Timeframe
Commit to use 30% recycled paper	In Progress	The amount of paper used by each facility	Continue to purchase 30% recycled paper	
Commit to use 100% recycled paper	In Progress	The amount of paper used by each facility	Look into the purchase of 100% recycled paper	

Initiate automatic double sided printing	In Progress	The percentage of employees who participated in this	Continue with this
Re-use non-confidential scrap paper	In Progress	The percentage of employees who participated in this	
Use laptops/tablets	In Progress	The percentage of employees who participated in this	
Restructure a process to use less paper	In Progress	The percentage of employees who participated in this	
Actions on non-paper related supplies:			
Purchase cradle to cradle goods	In Progress		
Choose "Green" items from Distribution Centre	In Progress		
Encourage re-use of furniture and equipment	In Progress		
2.4 Travel			
Action	Action Planned	Outcome/Performance Measure	Notes Clarifying Action Taken
Install Video Conferencing facilities	In Progress	The percentage of employees who use this resource	
Initiate Travel Policy	In Progress	The percentage of employees who use this resource	
Mandate car pooling to government meetings	In Progress	The percentage of employees who use this resource	
2.5 Employee Engagement			
Action	Action Planned	Outcome/Performance Measure	Notes Clarifying Action Taken
Provide climate change education	In Progress	The number of employees who attend these sessions	To hold information sessions
Provide conservation education	In Progress	The number of employees who attend these sessions	To hold information sessions
Hold contests to change behaviour/make pledge	In Progress	The number of employees who attend these sessions	To hold information sessions
Hold contests/support to generate ideas	In Progress	The number of employees who participate in these sessions	To hold information sessions
Develop Green Teams	In Progress	The number of employees who participate in these sessions	To have more employee engagement
Support Green Teams (resources)	In Progress	The number of employees who participate in these sessions	To have more employee engagement
Provide green tips	In Progress	the number of employees who find this useful and implement their own strategies	Continue with this action
Add a green work goal to performance management	In Progress	Will be measured as per Goal 1 of the Commissions Service Plan	To continue with this

2.6 Sustainability Actions (others)

Action	Action Planned	Outcome/Performance Measure	Notes Clarifying Action Taken	Timeframe
Take water conservation measures – low flow showers or toilets, fix leaks	In Progress		The Victoria office plans on moving to a LEED Certified Building where this will be implemented - This has not been implemented in all office locations	
Run dishwasher only when full	In Progress	We will monitor how many loads are run in each office on a given day	This has been implemented in all office locations	
Reduce/replace bottled water with filtered or refrigerated water	In Progress	Will be tracked and monitored	All offices have filtered water; This has been implemented in all office locations	
Improve recycling measures	In Progress	Will be tracked and monitored	This has been implemented in all office locations	
Support composting	In Progress			
Use re-usable dishes	In Progress	Will be tracked and monitored	This has been implemented in all office locations	
Purchase green cleaning products	In Progress	Will be tracked and monitored		