

2015 CARBON NEUTRAL ACTION REPORT – SMALL EMITTERS FORM

DUE: May 31, 2016

This form is for the use of BC Public Sector Organizations whose GHG emissions were less than 600 tonnes CO₂e during the previous reporting year. Please fill in the required information below:

Organization Name:

BC Innovation Council

Contact name:

Michelle Foster

GHG Emissions and Offsets for 2015 (TCO ₂ E)	
GHG Emissions created in Calendar Year 2015 (from SMARTTool Homepage):	
Total Emissions (tCO ₂ e)	2
Total Offsets (tCO ₂ e)	0
Adjustments to GHG Emissions Reported in Prior Years (from SMARTTool Homepage):	
Total Emissions (tCO ₂ e)	0
Total Offsets (tCO ₂ e)	0
Grand Total Offsets for the 2015 Reporting Year (from SMARTTool Homepage): (This is the total emissions that must be offset for Reporting Year 2015)	
Grand Total Offsets (tCO ₂ e)	2

To enable comparisons with all B.C. public sector organizations, please provide the following data for your organization:

1. How many Full Time Equivalent (FTE) employees were part of your organization as of Dec 31, 2015? 25
2. Crowns & Health Authorities only: What was the total amount of floorspace (m²) in your organization (including occupied and unoccupied space, owned or leased) as of Dec 31, 2015: 7,400 (m²)
3. What was the primary use of that space (office, education, warehousing, health services, lodging, arts and recreation, other)? Office
4. How many motor vehicles did your organization own or lease as of Dec 31, 2015? 0

List the top three actions taken by your organization in 2015 to reduce GHG emissions and/or improve sustainability:

Action

1. Foresight Accelerator:

The Foresight Cleantech Accelerator, a member of our BC Acceleration network, continues to be one of the leading accelerators in the province, supporting the development and advancement of cleantech companies in the province, that are generating efficiencies through clean/green innovations while mitigating the impacts of various industries. In 2015, they reported the following:

41 Companies Active in the Program

44 New Jobs Created

\$5M New Company Revenue Generated

\$7M New Private Investment Attracted

\$5.1M Other New Investment

Success Stories Include:

Hydra Energy has set up a number of strategic relationships and have a \$5M investment commitment conditional on the results of their pilot.

Recycle Now received \$2,000,000 in investment (\$500K in notes including BDC and \$1.5M in equipment loans).

Ecoation Innovative Solutions signed a SPI with Houweling's Tomato and received a \$250K grant and investment.

2. Cleantech Initiatives - Examples of events involving cleantech, which were sponsored or offered by BCIC in 2015/16:

2a. #BCTECH Summit – Jan 2016

(BCIC Co-hosted)

- A two-day event that showcases BC's vibrant technology industry, build cross-sector opportunities for businesses. For participants to discover how technology can boost competitive advantage in every sector of our economy. The Tech Summit included cleantech in various ways as follows:

- Keynote Speakers and Panel Discussions. Cleantech E.g. = Sustainable innovation to build the resource industries of tomorrow – A huge opportunity for BC.
- Technology Showcase. Cleantech E.g. = Electric/hybrid/alternative vehicle showcase, etc.
- Exhibitor Showcase. Cleantech E.g = Foresight Clean Innovation Pavilion, Future of Food Pavilion, etc.
- Venture Capital Presentations = Pitches from 10, cleantech BC companies, Including Ronin8, Sunpump Solar, Saltworks Technologies, Etalim, etc.

2b. The PowerHaus Pavillion at GLOBE Leadership Summit – March 2016

(BCIC Sponsored)

The PowerHaus Pavilion hosts global innovation from emerging companies seeking financing and customers for clean technology solutions such as power generation, smart grid, energy, natural resource efficiency, alternative fuels, advanced materials and transportation, carbon capture and storage, as well as greenhouse gas (GHG) management.

Companies showcasing their technologies throughout the three-day GLOBE event include:

Air Phaser Environmental Ltd., BC Biocarbon, BL Innovative Lighting, Climate SmartBusiness, dPointTechnologies Inc, ElectraMeccanica, Vehicles Corp, Emergent Waste Solutions Inc., Endura-Form, General Fusion Inc., Ground Effects Environmental Services Inc, Highbury Energy Inc., iDus Controls Ltd., PCS Technologies, Polymer Research Technologies Ltd., Saltworks Technologies Inc., Solegear Bioplastics Inc., Sun Pump Solar Inc., Tenth Principle Energy Technologies and more to come!

**2c. Vancouver Island Sustainable Technology Expo – June 24th 2015
(BCIC Sponsored)**

This Expo, which rotates each year between Nanaimo, Greater Victoria and/or Campbell River, aims to present some of the best sustainable technology talent, through panel discussions, poster-boards, booth exhibitors and stakeholders with both island and regional experts in attendance.

3. Canada's Oil Sands Innovation Alliance

Cleantech Energy Innovation Challenge Event

- In September 2014, BCIC became a COSIA Associate Member, to serve as a provincial conduit for BC innovators (researchers, entrepreneurs, startups, and established businesses) to apply for funding in solving the environmental challenges of COSIA's 13 multi-national member oil companies. In November 2015, BCIC hosted the Cleantech Energy Innovation Challenge Event with COSIA. The event brought together BC cleantech firms and university researchers with COSIA experts to learn, ask technical questions, and discuss the greenhouse gas and water challenges identified by COSIA. The event was an initiative of COSIA and BCIC, in partnership with: Alberta Innovates Energy and Environment Solutions (AI-EES), Climate Change and Emissions Management Corporation (CCEMC), Natural Resources Canada (NRCan), Sustainable Development Technology Canada (SDTC), and Western Economic Diversification (WD). The objective of the event was to build relationships between the BC innovators and funding partners, to drive technology solutions to environmental challenges, and build business opportunities for BC's cleantech sector. The event was attended by over 80 BC innovators, and 12 technology submissions were received as potential solutions to the presented challenges. To date, 4 submissions are in progress to potentially receive funding by the various event partners.

ARCTIC Program

- In April 2015, BCIC worked with the Foresight Cleantech Accelerator to leverage their existing BCIC funding in an application to Western Economic Diversification (WD) for the Advanced Resource Clean Technology Innovation Centre (ARCTIC). This application was successful and ARCTIC was formally launched in April 2015. ARCTIC offers a structured Challenge Dialogue System to foster innovation in select Canadian industries, by iterating challenges and sourcing/securing/advancing solutions. ARCTIC is currently piloting with COSIA and FPIInnovations, and is in conversations with other organizations and industries for subsequent challenges. The COSIA pilot is on waste heat recovery in Canada's oil sands, while the FPIInnovations pilot involves remote sensing to improve land management.

Describe plans your organization has for continuing to minimize your GHG emissions:

- BCIC will continue to promote, support and sponsor initiatives that help to increase sustainability awareness and reduce GHG emissions both internally and externally throughout our community.

Describe any actions your organization took during 2015 to strengthen its ability to manage the likely effects of climate change in the coming years and decades (e.g., have assessed whether increased frequency of extreme weather events and/or long term changes in climate will affect your organization's infrastructure, its employees and/or its clients.)

- Cleantech Energy Innovation listed above, which BCIC is investigating implementing again with other stakeholders.

- ARCTIC program listed above, as BCIC continues to work with the Foresight Cleantech Accelerator for opportunities to utilize ARCTIC in various sectors. E.g. ARCTIC has recently initiated a second Challenge Sprint with FPIInnovations to support the forestry industry.
- #BCTECH Summit listed above, which BCIC will offer again, and BCIC continues to look at ways to further integrate support and showcasing of BC cleantech.
- BCIC Ignite Program – Development of BCIC Ignite program, launched in 2016, to provide funding to accelerate commercialization of new technologies and innovations in the natural resources and applied sciences in British Columbia, which will certainly include support of cleantech initiatives.

Retirement of Offsets:

In accordance with the requirements of the Greenhouse Gas Reduction Targets Act and Carbon Neutral Government Regulation, *BC Innovation Council* (the Organization) is responsible for arranging for the retirement of the offsets obligation reported above for the 2015 calendar year, together with any adjustments reported for past calendar years. The Organization hereby agrees that, in exchange for the Ministry of Environment ensuring that these offsets are retired on the Organization’s behalf, the Organization will pay the associated invoice to be issued by the Ministry in an amount equal to \$25 per tonne of offsets retired on its behalf plus GST.

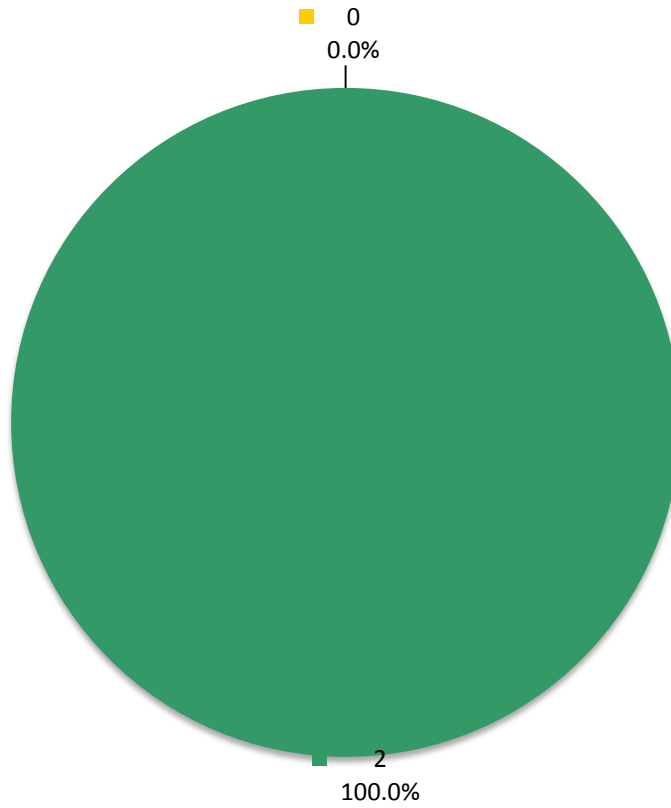
Executive Sign-off *[To be signed by a senior official, such as CEO, COO or Superintendent]*

Name: Carl M. Anderson Title: Entrepreneur in Residence
 (print)

Signature: Carl M Anderson Date: June 3rd 2016

Please scan and email the completed form to climateactionsecretariat@gov.bc.ca

**BC Innovation Council
Greenhouse Gas Emissions by Source
for the 2015 Calendar Year (tCO₂e*)**



Total Emissions: 2

■ Stationary Fuel Combustion (Building Heating and Generators) and Electricity ■ Supplies (Paper)

Offsets Applied to Become Carbon Neutral in 2015 (Generated May 24, 2016 4:36 PM)

Total offsets required: **2**. Total offset investment: **\$50**. Emissions which do not require offsets: **0** **

*Tonnes of carbon dioxide equivalent (tCO₂e) is a standard unit of measure in which all types of greenhouse gases are expressed based on their global warming potential relative to carbon dioxide.

** Under the *Carbon Neutral Government Regulation of the Greenhouse Gas Reduction Targets Act*, all emissions from the sources listed above must be reported. As outlined in the regulation, some emissions do not require offsets.