

**SMALL EMITTERS FORM**

**A. Please fill in the required information below**

Organization Name:

*Innovate BC*

Contact name & title:

Michelle Foster, Operations Manager

***[Innovate BC]* GHG Emissions and Offsets for 2019**

As per the [Directive](#) issued March 31, 2020, each PSO will use their 2018 GHG Emissions as a placeholder for the purposes of their 2019 CNAR.

Total Emissions (tCO <sub>2</sub> e)	2
Total BioCO <sub>2</sub>	0
Total Offsets (tCO <sub>2</sub> e)	0
Offset Investment (\$25 per tCO <sub>2</sub> e) <i>[Total Offsets x \$25/tCO<sub>2</sub>e]</i>	2

**B. 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 December 31, 2019? 20
2. What was the total amount of floorspace (m<sup>2</sup>) in your organization (including occupied and unoccupied space, owned or leased) as of December 31, 2019? 7400 (m<sup>2</sup>)
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 December 31, 2019? 0

**C. Briefly describe the top three actions taken by your organization in 2019 to reduce GHG emissions and/or improve sustainability from its operations:**

## Action

### 1. Foresight Venture Acceleration Program Update

Our 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. Since 2013 they reported the following:

- 250 active companies in the program (BC #)
- 350+ new jobs created
- \$150 million in funding
- \$50 million in revenues generated by companies

### 2. Cleantech Initiatives – Examples of events involving cleantech, which were sponsored or offered by Innovate BC in 2018/2019

#### 2. 2<sup>nd</sup> Agritech Innovation Challenge

This challenge dialogue process (a partnership between Innovate BC and the BC Ministry of Agriculture) was offered for the agriculture sector, to communicate their challenges to BC innovators with agritech solutions to support the next generation of tech development to enhance the competitiveness and resiliency of BC's agriculture sector. The first Challenge was launched in 2016, and the follow up 2<sup>nd</sup> Agritech Innovation Challenge launched in 2019, completing in May 2020.

Although this initiative is specific to the agritech sector it includes a number of cleantech elements within the challenge areas:

- **Food processing technologies:** BC's food and beverage processors produce over \$9.8 billion worth of food each year, representing 70% of total agri-food revenues for the Province. With a shortage of skilled and unskilled laborers in BC and beyond, processors continue to be faced with operational challenges. To address this labor shortage and enhance the efficiency of the processing sector, innovations are sought that will improve processing mechanization and automation. Innovations for this challenge should consider technologies and solutions that are best suited to micro and small-scale processors in BC.
- **Agriculture, agri-food and seafood traceability technologies:** Traceability systems make it possible to follow the movement of animals, plants and foods from farm to the consumer through all points of a production and distribution system. With increased demand for food and export growth, our food supply chains are becoming more complex, making it difficult to trace food items back to their place of origin. Innovations are sought that will provide user-friendly and economical

traceability options to micro and small-scale producers and processors in BC. Innovations for this challenge should consider existing and emerging market and regulatory traceability requirements.

- **Precision agriculture technologies and bioproducts:** Through the adoption of precision agriculture technologies and the manufacturing of bioproducts (from agricultural waste streams), agricultural producers can reduce the negative environmental impacts that result from their operations. With increasing regulatory requirements and interest from producers and consumers to protect our environment, the demand for precision agriculture technology and bioproducts production is increasing. Innovations are sought that allow for improved adaptation and adoption of precision tools, technologies and practices in agricultural operations in BC. Innovations are also sought that allow for the transformation of agriculture waste streams or outputs into renewable products (other than food and feed) in BC.

A total of \$150,000 of funding was awarded to three Awardees (\$50,000 each). At the end of the six-month proof of concept:

- 11 jobs were created, 305 anticipated new hires in the next 7 years
- 4 customers acquired, 1400 anticipated customers over the next 7 years
- \$31,000 revenue generated, \$570M in anticipated revenue over the next 7 years
- \$1,248,000 of new investment secured, \$19M in anticipated investment over the next 7 years

### 3. Ignite Program

The Innovate BC Ignite Program is designed to provide funding for collaborative, industry-driven academic research leading to commercializable projects in the natural resources, applied sciences, and engineering in BC. The Ignite program launched in 2016, and to date has awarded \$6.5M to 27 innovative projects.

Of those awards, over **\$3.9M has been contributed to 17 projects that are classified as clean technologies** (defined as technologies will that improve operational performance, productivity, or efficiency while reducing costs, inputs, energy consumption, waste, or environmental pollution). With the support of Innovate BC Ignite, these clean technology projects will commercialize and move their innovations to market within a three-year time-frame or less. We will continue to promote, support and fund initiatives through Ignite, that will help increase sustainability and manage the likely effects of climate change in the coming years and decades.

### 3. B.C. Fast Pilot Program

In 2019, Innovate BC partnered with NRC IRAP to launch the B.C. Fast Pilot Program to provides up to \$200,000 for regional SMEs to design, build and operate a pilot plant or small demonstration of their technology in real-world conditions. The program allows B.C. technology companies to demonstrate the impact of their product, measure the value of their solution, and encourage customer adoption.

In total, Innovate BC invested over \$533K in funding to 12 pilot projects. Out of these projects, **\$433K was contributed to 10 projects** that identified as a clean-technology firm and/or pilot project with focus on GHG reduction.



**D. Briefly describe plans your organization has for continuing to reduce your GHG emissions in future years:**

Innovate BC 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.

**E. Describe any actions your organization took during 2019 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.)**

Innovate BC will continue to promote and support cleantech companies and in BC by growing and furthering their work so that they can mitigate environmental impacts from industry.

**Retirement of Offsets:**

In accordance with the requirements of the *Climate Change Accountability Act* and Carbon Neutral Government Regulation, **Innovate BC** (the Organization) is responsible for arranging for the retirement of the offsets obligation reported above for the 2019 calendar year, together with any adjustments reported for past calendar years (if applicable). The Organization hereby agrees that, in exchange for the Ministry of Environment and Climate Change Strategy (the Ministry) 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].**

Signature

June 2nd, 2020

Date

Raghwa Gopal

Name (please print)

CEO

Title



Please scan and email the completed form to [Carbon.Neutral@gov.bc.ca](mailto:Carbon.Neutral@gov.bc.ca)