

INNOVATION UNIT  
**GREENHOUSE CARBON TAX RELIEF GRANT**  
Producer Survey 2018

**SECTION 1: GRANT RECIPIENT INFORMATION**

1. Legal Name(s) of Grant Recipient:

2. Corporation(s) or Business Name:

*Please note that for accurate reporting purposes, a separate survey must be completed for each business that received a grant in 2017. Only one survey is required for a business with multiple locations under the same business name.*

3. Sector:

- Greenhouse vegetables
- Floriculture
- Wholesale Nursery
- Forest Seedling

**SECTION 2: PRODUCTION**

4. In 2018 do you anticipate that your eligible heated production area will:

- Increase (if so, by how many hectares):\_\_
- Decrease (if so, by how many hectares):\_\_
- Stay the same

**SECTION 3: ENERGY MANAGEMENT**

5. Has your company implemented any of the following energy efficiency measures since January 2017? (please check all that apply)

- Isolation of standby boilers
- Installation of condensers for heat recovery
- Installation or expansion of a hot water heat storage tank
- Installation or expansion of rainwater capture and storage system
- Replacement or updating of existing thermal curtains
- Installation of new thermal curtains
- Repair of greenhouse covering to reduce heat loss
- Upgrade to high efficiency boiler or heater
- Installation of automated climate control system
- Lighting improvements (e.g., high efficiency LED lighting)
- Installation of a biomass boiler

(if box checked) Since January 2015, what percentage of your energy needs was met using biomass? (0-25%; 26%-50%; 51%-75%; 76%-100%)

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(if box checked) in 2017 do you anticipate biomass usage to:

- Increase (if so, by how much)
- Decrease (if so, by how much)
- Stay the same?
- Other (please specify): \_\_\_\_\_

6. Please list all energy efficiency measures your company plans to implement in 2017: \_\_\_\_\_

7. Has your company installed any of the following renewable energy technologies since January 2017? (please check all that apply)

- Geo-exchange (ground source heat pump) system
- Solar thermal system
- Solar photovoltaic (PV) system
- Landfill/methane gas capture and conversion
- Cleaning and capture of CO2 from biomass boilers
- Other (please specify): \_\_\_\_\_

8. Has the carbon tax relief grant influenced your energy management decisions?

- No
  - Yes
- 8a. If so, how? \_\_\_\_\_

9. Have you completed an energy audit through the Environmental Farm Plan Program, BC Hydro or your natural gas provider since 2017? (yes/no)

- Yes
- 11a. (If yes) Have you implemented the recommendations?
- Yes
  - No → Why not? \_\_\_\_\_

- No
- 11b. (If no) – Why not? \_\_\_\_\_

10. Are your greenhouses CO2 enhanced?

- No
- Yes

12a. (If yes) Have you used sources of CO2 other than burning natural gas (e.g., liquid CO2, other) since January 2017?

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- o No
- o Yes

12a1. (If yes) Please list all sources and years:\_\_\_\_\_

12a2.(If yes), what proportion of your CO2 needs were met using sources other than the burning of natural gas since January 2017 (e.g, liquid CO2, other)?

**SECTION 4: TECHNOLOGY IMPROVEMENTS AND SKILLS TRAINING**

11. Has your business made any of the following improvements since January 2017?  
 (Please check all that apply.)

- New or upgraded technologies to improve processing efficiency (e.g., robots, vision systems, system automation)
- Improved production efficiency (reduced production costs)
- New technologies or practices to improve labour efficiency (e.g., labour tracking system, performance incentive packages, more competitive wages)
- Capital or infrastructure upgrades (please specify):\_\_\_\_\_
- Improved product distribution
- New or innovative packaging (please specify):\_\_\_\_\_
- Other (please describe):\_\_\_\_\_

12. Has your business implemented any of the following types of staff training since January 2017?

- LEAN training
- Safety training
- Energy management training
- Quality control system operation training
- Vegetable grading and packaging training
- Other (please describe):\_\_\_\_\_

**SECTION 5: JOB CREATION**

13. How many new employees has your company hired since January 2017 as a result of the carbon tax relief grant?

	2017
Part time	
Full time	