



Environment  
Canada

Environnement  
Canada

Deputy Minister

Sous-ministre

**MAY 24 2019**

Mr. Yves Giroux  
Parliamentary Budget Officer  
99 Bank Street, 9th Floor  
Ottawa ON K1A 0A9

Dear Mr. Giroux:

*Yves*

On behalf of the Honourable Catherine McKenna, Minister of Environment and Climate Change, I am responding to your letter of May 2, 2019 concerning Information Request IR0421.

As requested, please find enclosed Canada's CO<sub>2</sub>-equivalent, CO<sub>2</sub>, CH<sub>4</sub> and N<sub>2</sub>O emission projections for the reference and additional measures scenarios for the years 2005–2030.

A more recent 2019 National Inventory Report was published in April 2019; however, the enclosed 2005 to 2016 historical emissions data and the 2017 to 2030 projections data are based on the 2018 National Inventory Report. As only the CO<sub>2</sub>-equivalent reference scenario emissions in Annex A and the macroeconomic assumptions in Annex C have been previously released to the public, Environment and Climate Change Canada requests the Parliamentary Budget Office treat all other data as confidential. Only files marked public may be released.

Enclosed are nine sets of Excel files:

- Annex A contains emissions projections for the reference and additional measures cases at a more aggregated sector level.
- Annex B contains the same emissions projections at the most disaggregated level available.
- Annex C contains macroeconomic assumptions, including gross domestic product, population and energy prices, underlying these projections.

Further details on greenhouse gas emission projections are provided in *Canada's Greenhouse Gas and Air Pollutant Emissions Projections Report – 2018*.

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While the 2018 greenhouse gas projections were generated from Environment and Climate Change Canada's E3MC model, the estimated economic impacts of the federal carbon pollution pricing system were informed by the Department's computable general equilibrium EC-PRO model. This model has different sector definitions than E3MC. For the Fall 2018 analysis, it also employed a baseline calibrated to a revised version of the 2017 E3MC reference scenario projections, which are different than the ones presented here. More information can be found at [www.canada.ca/en/environment-climate-change/services/climate-change/pricing-pollution-how-it-will-work/fall-2018-update-estimated-impacts-federal-pollution-pricing-system.html](http://www.canada.ca/en/environment-climate-change/services/climate-change/pricing-pollution-how-it-will-work/fall-2018-update-estimated-impacts-federal-pollution-pricing-system.html).

Should you require further clarification, I would be pleased to provide additional information.

Sincerely,

A handwritten signature in blue ink that reads "Stephen Lucas". The signature is stylized with a large, looping initial "S" and a cursive "Lucas".

Stephen Lucas, Ph.D.

Enclosures