



OFFICE OF THE PARLIAMENTARY BUDGET OFFICER
BUREAU DU DIRECTEUR PARLEMENTAIRE DU BUDGET

November 2nd, 2023

The Honourable Chrystia Freeland
Deputy Prime Minister and Minister of Finance
Finance Canada
90 Elgin Street, Room 16-027
James Michael Flaherty Building
Ottawa ON K1A 0G5

Chrystia.Freeland@canada.ca

Information Request: IR0719

Dear Minister Freeland:

As you are likely aware, the Parliamentary Budget Officer (PBO) provides independent and non-partisan analysis to the Senate and to the House of Commons about matters related to the nation's finances and the economy, the estimates, certain other government documents, and the cost of proposals. In carrying out my mandate, I often require information held by government departments and Crown corporations and I am entitled to free and timely access – subject to limited exceptions – to such information under section 79.4 of the *Parliament of Canada Act*.

I am currently undertaking an analysis pursuant to paragraph 79.2(1)(a) of the *Parliament of Canada Act*, which mandates the PBO to prepare reports analyzing the following federal government documents: (i) a budget tabled by or on behalf of the Minister of Finance; (ii) an economic and fiscal update or statement issued by the Minister of Finance; (iii) a fiscal sustainability report issued by the Minister of Finance; (iv) the estimates of the government for a fiscal year.

For this analysis, I am requesting the list of projects, either planned, proposed or currently operating in hydrogen production or hydrogen transformation to ammonia. For each project, we are requesting:

- Project name
- Company name
- Location of project
- Status of project
- Project type: hydrogen production or hydrogen conversion to ammonia.
- Technology: natural gas with carbon capture, utilisation and storage (CCUS), electrolysis (alkaline, proton exchange membrane electrolysis, solid oxide electrolysis cells), others.

- The type of electricity source for electrolysis; if renewable, the type of renewable.
- For projects using natural gas with CCUS, please provide the rate of CCUS (50%, 90%, etc.).
- The estimated carbon intensity.
- Then for each project, we ask for the annual profile from 2020 onwards of:
 - Capital Expenses (CAPEX). For projects using natural gas, please provide the amount or the share of CAPEX going to CCUS equipment (CCA classes 57 and 58).
 - Operating Expenses (OPEX).
 - Expected public support incentives.
 - If there are any additional infrastructure needs for the project to proceed, please provide the requirements and the profile of these additional infrastructure needs (CAPEX and OPEX).
 - Proportion of dual use heat/and or power equipment and water use equipment.

If the annual profile is not available, please provide the totals over the project horizon and the actual or anticipated start of construction and the actual or anticipated start date of operation.

In order to provide the analysis to parliamentarians in a timely manner, I ask the information to be provided to my office no later than **November 16th, 2023**. If access to the requested information cannot be granted by that date, a response must be provided by you or your deputy minister as soon as possible.

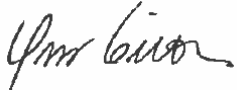
Should you or your staff have any questions about this information request, the analyst responsible, Rolande Kpekou Tossou can be contacted directly at Rolande.KpekouTossou@parl.gc.ca, 613-617-5709.

Attached is a reply form. It too should be filled out and returned by November 16th, 2023, whether or not you provide access to the requested information. Should you refuse to provide access to the requested information, you or your deputy minister must provide a written justification for the refusal as required under section 79.41 of the *Parliament of Canada Act*.

The response letter will be posted on the PBO website and, therefore, it should not be marked “confidential”. As well, the requested information should be attached separately. If this information is confidential, please clearly mark it as such, either on the electronic spreadsheet or the hard copy version.

Providing timely and effective analysis to the Senate and House of Commons and promoting greater budget transparency and accountability are the PBO’s primary objectives. The degree to which this is possible depends, to a large extent, on free and timely access to quality information held by government departments. In doing so, you are assisting us in better serving the Senate, the House of Commons, and their members.

Yours Sincerely,



Yves Giroux

Parliamentary Budget Officer

c.c.: Antoine Brunelle-Côté, Privy Council Office, Assistant Secretary to the Cabinet, Liaison Secretariat for Macroeconomic Policy

Chris Forbes, Deputy Minister, Finance Canada

Attachment: Reply form for IR0719

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