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January 16, 2023

British Columbia Utilities Commission
Suite 410, 900 Howe Street
Vancouver, BC
V6Z 2N3

Attention: Ms. Sara Hardgrave, Acting Commission Secretary

Dear Ms. Hardgrave:

**Re: FortisBC Energy Inc. (FEI)
2022 Long Term Gas Resource Plan (LTGRP) ~ Project No. 1599324
FEI Summary of the Proposed Evidentiary Update**

FEI writes in response to British Columbia Utilities Commission (BCUC) letter dated January 4, 2023 (Exhibit A-8), requesting that FEI provide a summary of its proposed evidentiary update, including potential length of the evidence and timelines for filing.

In response to information requests in this proceeding,¹ FEI has indicated its intention to file the Kelowna Electrification Case Study (Study), which is being developed in collaboration with FortisBC Inc. (FBC). FEI proposes to file the Study by February 24, 2023. FEI estimates the Study will be under 30 pages in length. As the Study remains a work-in-progress, the below summary is necessarily high-level.

The Study examines the impact that different levels of gas load electrification could have on peak demand for electricity in the City of Kelowna, and the resulting transmission and distribution system upgrades that would be required to serve the City out to 2040 under those scenarios. The Study will:

1. Use best available information to model the peak demand growth on the electric system under different electrification scenarios where the space and water heating load currently served by the gas system transitions to the electric system;
2. Include the assumptions and method used for modelling different levels of electrification and the results in terms of peak electricity demand for each scenario of assumed electrification;
3. Estimate and describe the electricity system upgrade requirements for each electrification scenario;

¹ Exhibit B-6, BCUC IR1 30.3; Exhibit B-8, BC Hydro IR1 4.1 and 4.2; Exhibit B-11, BCSSIA IR1 9.1 and 9.2.

4. Use the estimated distribution and transmission upgrade requirements to provide high-level estimates of system upgrade costs; and
5. Include a discussion of the challenges to developing electricity infrastructure, irrespective of costs.

FEI's purpose for filing the Study is to provide the BCUC and interveners with additional information to better understand the impacts of electrification on peak demand and other resource planning considerations.

If further information is required, please contact the undersigned.

Sincerely,

FORTISBC ENERGY INC.

Original signed:

Diane Roy

cc (email only): Registered Intervenors