



Diane Roy
Director, Regulatory Affairs

FortisBC Energy
16705 Fraser Highway
Surrey, B.C. V4N 0E8
Tel: (604) 576-7349
Cell: (604) 908-2790
Fax: (604) 576-7074
Email: diane.roy@fortisbc.com
www.fortisbc.com

Regulatory Affairs Correspondence
Email: gas.regulatory.affairs@fortisbc.com

June 26, 2014

Via Email
Original via Mail

British Columbia Utilities Commission
Sixth Floor
900 Howe Street
Vancouver, B.C. V6Z 2N3

Attention: Ms. Erica M. Hamilton, Commission Secretary

Dear Ms. Hamilton:

Re: FortisBC Energy Utilities¹ (FEU)
2014 Long Term Resource Plan (the Application)
Response to the British Columbia Utilities Commission (BCUC or the Commission) Information Request (IR) No. 1.47.1 - Erratum

On June 19, 2014, the FEU filed its response to BCUC IR No. 1. It has come to our attention that a table required in the response to BCUC IR 1.47.1 was inadvertently omitted.

The FEU hereby attach an erratum to the response to BCUC IR No. 1.47.1 containing the correction on revised pages 169 and 170 for insertion into the binder Volume 2. .

We apologize for any inconvenience this may have caused. If further information is required, please contact the undersigned.

Sincerely,

on behalf of the FORTISBC ENERGY UTILITIES

Original signed by: Ilva Bevacqua

For: Diane Roy

Attachments

cc (e-mail only): Registered Parties

¹ comprised of FortisBC Energy Inc., FortisBC Energy (Vancouver Island) Inc. and FortisBC Energy (Whistler) Inc.

1 **47.0 Reference: SYSTEM RESOURCE NEEDS AND ALTERNATIVES**
2 **Exhibit B-1, Application, Section 5, p. 95**
3 **System Resource Needs and Alternatives**

4 On page 95 of the Application, FEU states:

5 “... the FEU’s system sustainment planning process has identified important
6 near-term and longer term system renewal requirements, particularly in the
7 Lower Mainland area of FEI’s system. The FEU take a broad outlook that
8 considers long term system capacity and sustainment plans, potential new, large
9 increases in industrial load and growing NGT demand, which enables an
10 integrated approach to determining the most effective system improvements.”

11 47.1 Please identify, for each utility and region, which of the pipeline projects are to
12 meet increasing demand and which are reliability-driven to meet existing
13 demand.

14 **Response:**

15 Pipeline projects discussed in the 2014 LTRP on pages 95 to 131 are listed in the following
16 table showing which ones are driven by reliability and/or increasing demand. In some cases,
17 multiple alternatives exist to meet these drivers; this is shown by numbering and grouping the
18 pipeline projects in a solid box. In general, when a pipeline is looped to address capacity
19 concerns there is also an improvement in system reliability resulting from having two pipelines
20 available to serve load.
21
22

| Utility | Pipeline Project – or – Potential Reinforcement Options | Increasing Demand | Reliability Driven | Comment |
|---------|---|----------------------|-----------------------|--|
| FEVI | 1. Mt. Hayes send out 2. Compression at Squamish 3. Renegotiate BC Hydro contract | X X X | | Three options to address demand driver |
| FEVI | Pipeline loops, compression | X | | Potential industrial loads (e.g. Woodfibre) |
| FEI CTS | 1. Loop Cape Horn to Coquitlam NPS36 2. Mt. Hayes LNG support 3. Loop Nichol to Port Mann NPS36 | X X X | X X | Three options to address demand driver |
| FEI CTS | Loop Nichol to Roebuck NPS42 | X | X | Potential additional LNG loads; Single point of failure identified |
| FEI CTS | Increased compression at Langley | X | | Potential industrial loads |

| Utility | Pipeline Project – or – Potential Reinforcement Options | Increasing Demand | Reliability Driven | Comment |
|------------------------------------|---|-------------------|--------------------|---|
| FEI IP system | Replace NPS20 IP pipeline from Coquitlam Gate to 2 nd & Woodland | | X | Integrity concerns |
| FEI IP system | Replace NPS30 IP pipeline from outlet of Fraser Gate station | | X | Seismic vulnerability |
| FEI ITS | 1. Loop from Ellis Creek NPS20 2. Loop from Savona NPS20 3. LNG Storage | X X X | | Three options to address demand driver |
| FEI ITS: Cache Creek / Ashcroft | 1. Loop 2. Re-Negotiate Contract | X X | | Capacity driven |
| FEI ITS: Revelstoke | Convert to natural gas with LNG supply | | X | Potential opportunity currently under examination |

1

2

3

4

47.1.1 Are there alternative system reliability measures currently in place to ensure existing demand is met safely and reliably? If so, please identify these measures.

5

6

7

8 **Response:**

9 Yes, FEI does have alternative system reliability measures currently in place to ensure existing
10 demand is met safely and reliably. These measures are within the Integrity Management Plan
11 (IMP).

12 The IMP is the primary management system the FEU use to ensure the integrity of gas system
13 assets. It includes activities to monitor for hazards that may lead to failures, to mitigate such
14 hazards, and to manage integrity data. Activities monitored within the IMP include third party
15 damage, natural hazards, pipe condition, material defects & equipment failures, construction
16 and operations, class location management, odorization management, leak survey, and also
17 core activities such as asset assessment and design, corrective work management, planning,
18 and standards management. Together, these activities are fundamental to the FEU's
19 commitment to the safe, efficient and reliable delivery of natural gas and propane to homes and
20 businesses throughout British Columbia.

21