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July 6, 2016

Via email:

dscarlett@kaslo.org

Attention: Mr. Donald Scarlett

Dear Mr. Scarlett:

Re: FortisBC Inc. (FBC)

Project No. 3698875

Application for the Net Metering Program Tariff Update (the Application)

Response to Donald Scarlett (Scarlett) Information Request (IR) No. 1

On April 15, 2016, FBC filed the Application referenced above. In accordance with Commission Order G-94-16 setting out the Amended Regulatory Timetable for the review of the Application, FBC respectfully submits the attached response to Scarlett IR No. 1.

If further information is required, please contact Corey Sinclair, Manager, Regulatory Services at 250-469-8038.

Sincerely,

FORTISBC INC.

Original signed:

Diane Roy

Attachments

cc: Commission Secretary
Registered Parties



FortisBC Inc. (FBC or the Company) Net Metering (NM) Program Tariff Update Application (the Application)	Submission Date: July 6, 2016
Response to Don Scarlett Information Request (IR) No. 1	Page 1

1 1 What percentage of FBC’s average annual electricity requirements is purchased
2 from sources not owned by FBC?

3
4 **Response:**

5 In 2015 FBC purchased approximately 50 percent of its energy requirements with the balance
6 being supplied by FBC-owned generation.

7
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9
10 2 Please list the suppliers of electricity, other than Net Metering (NM) customers,
11 from whom FBC has purchased energy since 2009. If purchases have been
12 made on the “spot market” please identify the point of purchase.

13
14 **Response:**

15 FBC purchased energy from the Brilliant Plant, Brilliant Expansion Plant, Waneta Expansion
16 Plant and BC Hydro as well as from various market suppliers. At this time the sole market
17 supplier is Powerex under current agreements. The point of purchase for spot market
18 purchases is not tracked by FBC.

19 In addition to these larger agreements, FBC has agreements with a number of suppliers under
20 which smaller amounts of power have been purchased since 2009. This would include, Celgar,
21 Tolko, the City of Kelowna, the City of Nelson, the Pend Oreille PUD, Goat River, and private
22 individuals.

23
24

25
26 3 Please provide the complete range of prices FBC has paid for electricity from
27 sources other than NM customers since 2009.

28
29 **Response:**

30 The low and high prices paid by FBC are both set by the market and are typically of short
31 duration. The Company does not have a readily available tabulation. Market prices vary widely
32 and the high and low number since 2009 will be for only a very few hours out of a total of 61,000
33 hours since 2009. The range of prices will be from negative prices to in excess of \$100 per
34 MWh during a few hours in times of regional shortfalls. Negative prices occur when generators
35 pay to have FBC take energy that the generators must generate but they can’t find sufficient
36 load to absorb all the must run generation. This can be fairly common in certain years during
37 the Spring Freshet when there is more than ample regional generation.

FortisBC Inc. (FBC or the Company) Net Metering (NM) Program Tariff Update Application (the Application)	Submission Date: July 6, 2016
Response to Don Scarlett Information Request (IR) No. 1	Page 2

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4 4 Does FBC participate in any program allowing its electricity customers to
5 purchase “green” power (e.g. Bullfrog Power) at a premium?

6

7 **Response:**

8 Please refer to the response to Resolution IR 1.11.

9

10

11

12 5 If so, please describe the program and provide the cost customer would pay for
13 the “green” power.

14

15 **Response:**

16 Please refer to the response to Resolution IR 1.11.

17

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19

20 6 How much electricity (GWh) did FBC sell in the most recent year of record?

21

22 **Response:**

23 Please refer to the response to CEC IR 1.1.7.

24

25

26

27 7 What percentage of FBC’s annual electricity sales were transmission line losses
28 during that year?

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30 **Response:**

31 FBC does not calculate transmission line losses on an ongoing basis. However, FBC believes
32 transmission voltage line losses will be between 2.5% and 3%. Please refer to the response to
33 BCUC IR 1.9.4 for further information.



FortisBC Inc. (FBC or the Company) Net Metering (NM) Program Tariff Update Application (the Application)	Submission Date: July 6, 2016
Response to Don Scarlett Information Request (IR) No. 1	Page 3

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8 What was FBC's annual expenditure for electricity demand-side management (Power Smart) programs including advertising & promotion, rebates, subsidies and free energy saving supplies in the most recent year of record?

Response:

FBC's expenditures on Conservation and Energy Management (C&EM) programs, formerly known as PowerSense, were \$3,531,300.00 in 2015.

The FBC DSM Program Annual Report for 2015, and prior years, can be found here:

<https://www.fortisbc.com/About/RegulatoryAffairs/ElecUtility/ElectricBCUCsubmissions/DemandSideManagement/Pages/DSM-Reports.aspx>

9 How much electrical energy is estimated to have been saved by FBC's Power Smart programs in the most recent year of record?

Response:

In 2015 FBC's C&EM programs saved an estimated 12,608 MWh/yr.

The FBC DSM Program Annual Report, for 2015 and prior years, can be found here:

<https://www.fortisbc.com/About/RegulatoryAffairs/ElecUtility/ElectricBCUCsubmissions/DemandSideManagement/Pages/DSM-Reports.aspx>

10 What is the value of lost sales to FBC resulting from FBC's Power Smart programs in the most recent year of record?

Response:

Notionally the 2015 C&EM program savings of 12,607 MWh are valued at \$1.3m based on the average customer rate paid last year.



FortisBC Inc. (FBC or the Company) Net Metering (NM) Program Tariff Update Application (the Application)	Submission Date: July 6, 2016
Response to Don Scarlett Information Request (IR) No. 1	Page 4

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4 11 Have NM customers since 2009 created voltage or frequency stability problems,
5 safety issues, damaged FBC equipment or infrastructure or caused any other
6 harm to FBC?

7

8 **Response:**

9 FBC is not aware of any voltage or frequency stability problems, safety issues, damaged FBC
10 equipment or infrastructure resulting from connected NM customers since 2009.