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British Columbia Utilities Commission
Sixth Floor, 900 Howe Street, Box 250
Vancouver, B.C. V6Z 2N3

Attention: Ms. Laurel Ross, Acting Commission Secretary and Director

By Electronic Filing

Dear Ms. Ross:

Re: FortisBC Inc. Project No. 3698875: Net Metering Project Tariff Update Application

Andy Shadrack: Intervenor Requests No 2

1. Residential customers Phil Trotter and Michelle Poulin write, in their Letter of Comment (E-4), that, according to calculations supplied to them by FBC itself, FBC's proposed changes will increase the overall Trotter/Poulin annual electricity bill by 52.8%. Under the current billing methodology, \$144.68 of the annual Basic Charge cost of \$187.38 is paid off by the Trotter/Poulin household at the Rate Schedule (RS) 95 retail kWh exchange rate. Under the proposed kWh bank proposal, and BC Hydro RS 3808 Tranche 1 rate of 4.303 cents per kWh, only \$57.38 of the annual Basic Charge cost of \$187.38 is paid off. Thus the amount of the Basic Charge that the Trotter/Poulin household pays cash for, even though they exchange the same number of kWh, increases from \$42.70 to \$130 - a tripling of the Basic Charge cash payout by them. Using the same method as FBC applied to the Trotter/Poulin account (but excluding GST and other non-consumptive charges), please state how many of the 97 (June 1, 2016) enrolled net metering customers can expect increased annual bills under the proposed changes, and please provide the percentage range of such increases:

- i. 300% or higher
- ii. 200% or higher
- iii. 100% or higher
- iv. 75% or higher
- v. 50% or higher
- vi. 25% or higher

vii. 10% or higher

2. During the six billing periods prior to enrollment in the net metering program, this intervenor's household purchased 2.768 MWh of power from FBC, whereas in the six most recent billing periods following enrollment (ending June 16th, 2016) our household purchased 2.66 MWh of power and exchanged a further 1.458 MWh, resulting in a net purchase from FBC of 1.202 MWh. This represents a 43.4% reduction in net purchase of electrical power from FBC. The cost to our household of the purchased electricity, including Basic Charge and before taxes, was \$480.66 compared to \$307.96 in the six most recent billing periods, a net reduction of \$172.70 or 35.9%.

i. What is the average net cost to FBC per delivered kWh of electricity supplied by FBC to residential and small commercial customers in B.C.?

ii. Using the same methodological calculation as described above, what is the average amount of the reduction in kWh purchased by all FBC's net metering customers and the reduction in retail dollar value as compared to the number of kWh and dollar value purchased prior to enrolling in the net metering program?

iii. Noting that if there is a reduction in cost to the customer, there must also be a corresponding reduction in cost to FBC, what is the total dollar reduction in cost to FBC as a result of the Company's net metering customers reducing their consumption of purchased kWh of power?

iv. Are the kWh dollar cost savings equal to, less than or more than the current dollar cost to FBC of purchased Net Energy (Excess) Generation from net metering customers?

3. The originally stated intent of the net metering program was to allow customers to offset a portion, or all, of their own electrical requirements. Over the last decade this intervenor's household has reduced grid consumption from FBC by 82% in the first three 2016 billing periods, as compared to the first three in 2006. A 49.5% reduction was achieved prior to joining the net metering program and a further 32.5% reduction after.

As a means to encourage reduced electrical power consumption FBC reimburses customers an average of 32% of their costs (Shadrack 1 23) for participating in Demand Side Management (DSM) programs, in the amount of (for example) \$527,000 for residential customers (Shadrack 1 22).

How do the dollars invested by FBC per kWh of reduced consumption for each of the 10 - 13 DSM programs (Shadrack 1.22 and 1.23) compare with the dollars spent by FBC per kWh saved by customers enrolled in the net metering program?

All of which is respectfully submitted,
Andy Shadrack