

October 1, 2010

Via Email
Original via mail

Ms. Erica M. Hamilton
Commission Secretary
BC Utilities Commission
Sixth Floor, 900 Howe Street, Box 250
Vancouver, BC V6Z 2N3

Dear Ms. Hamilton:

Re: *FortisBC Inc. Application for Approval of the 2011 Capital Expenditure Plan – Project No. 3698603*

FortisBC provides the following errata to its 2011 Capital Expenditure Plan Application. Replacement pages are attached.

- 1. 2011 Capital Expenditure Plan Application, Page 73, Table 7.2**
Low Income TRC Benefit/Cost Ratio of “3.0” should read “1.5”
- 2. 2011 Capital Expenditure Plan Application, Appendix 3 (2011 Demand Side Management Plan), Page 21, Table 3.2.1**
Low Income TRC Benefit/Cost Ratio of “3.0” should read “1.5”
- 3. 2011 Capital Expenditure Plan Application, Appendix 3 (2011 Demand Side Management Plan), Page 29, Line 13**
“2,000” should read “1,400”
- 4. 2011 Capital Expenditure Plan Application, Response to BCUC Information Request No. 1, Q55.2, page 122**
The Low Income program has been expanded to show the ESK and light retrofit programs contained within the Low Income program. As a result:
The measure TRC B/C ratio for the Low Income program is expanded to show a TRC of 2.4 for ESKs, and 1.1 for light retrofits.
Forecast number of units for ESKs of “1,600” becomes “1,400”
The total residential cost of “\$11,892,151” becomes “\$12,072,958”
The total residential benefits of “22,863,882” becomes “\$22,759,166”

Please refer to the attached replacement page.

Sincerely,

A handwritten signature in black ink, appearing to be 'Dennis Swanson', with a long horizontal flourish extending to the right.

Dennis Swanson
Director, Regulatory Affairs

cc: Registered Intervenors

1
2

**Table 7.2
Residential Programs**

1		Savings	Cost	TRC	Status
2		MWh	(\$000s)	Benefit/Cost	
3	Building Envelope	5,460	1,379	1.7	Enhanced
4	Heat Pumps	3,397	694	1.4	Enhanced
5	Lighting	3,420	438	2.4	Enhanced
6	New Home	105	54	1.4	Enhanced
7	Appliances	680	245	3.0	New
8	Electronics	180	49	4.8	New
9	Water heating	960	162	2.1	New
10	Low Income	540	305	1.5	Enhanced
11	Behavioural	1,680	310	6.8	Enhanced
12	Total	16,422	3,636	1.9	

3
4
5

**Table 7.3
General Service Programs**

1		Savings	Cost	TRC	Status
2		MWh	(\$000s)	Benefit/Cost	
3	Lighting	7,130	1,080	2.4	Enhanced
4	Street Lighting				New
5	Building Improvement	3,010	572	2.8	Enhanced
6	Weatherization				
7	Building envelope				
8	Refrigeration				
9	HVAC				
10	Pumps and fans				
11	Compressed air				
12	Computers	240	34	2.6	Enhanced
13	Servers/Networks				New
14	Municipal	3,560	432	4.0	Enhanced
15	Wastewater				
16	Irrigation				
17	Total	13,940	2,118	2.8	

6

2011 Demand Side Management Plan

1 administration costs are based on the existing 2010 approved expenditures, prudently escalated, with the
2 addition of staffing required to administer the higher level of program participation.

3 The measure benefits are based on unit savings and measure life, sourced from the CDPR report,
4 multiplied by the avoided power purchase costs provided in the assumptions section 5.0 of the 2011
5 DSM Plan.

6 The CDPR report excludes from program achievable savings all known (provincial and federal) Codes
7 and Standards through the appropriate UEC (unit energy consumption) – for products regulated
8 beforehand, or by modification of the ramp rates for affected measures – for products to be regulated in
9 the future.

10 3.2 Plan Overview

11 The 2011 DSM Plan portfolio includes programs for the residential, general service, industrial and
12 irrigation sectors and is intended to capture potential savings identified in the CDPR. It also includes new
13 programs that have been specified as part of the DSM Regulations issued in November 2008 pursuant to
14 the UCA as described above.

15 The following tables illustrate the Residential General Service and Industrial Programs and include kWh
16 savings, the program costs, the TRC, and status of the program components.

17 **Table 3.2.1: Residential Programs in the 2011 DSM Plan**

Residential Programs				
Program Description	MWh	Cost (\$000s)	TRC	Status
Building Envelope	5,460	1,379	1.7	Enhanced
Heat Pumps	3,397	694	1.4	Enhanced
Lighting	3,420	438	2.4	Enhanced
New Home	105	54	1.4	Enhanced
Appliances	680	245	3.0	New
Electronics	180	49	4.8	New
Water heating	960	162	2.1	New
Low Income	540	305	1.5	Enhanced
Behavioural	1,680	310	6.8	Enhanced
Residential Total	16,422	3,636	1.9	

2011 Demand Side Management Plan

1 **Irrigation Sector Programs**

2 ***Irrigation Rebates***

3 Rebates will continue to be offered for upgrading irrigation systems and equipment with energy efficient
4 features such as variable speed drives, energy efficient motors and pumps and digital controls. Rebates
5 are based on \$0.05 of the estimated annual kW.h saved. The maximum rebate is 50 percent of the
6 incremental project cost or the amount required to provide the customer with a two-year payback,
7 whichever is less.

8 **Residential Low-Income Households Program**

9 The Residential Low-Income Households program is an energy efficiency initiative that assists
10 FortisBC's low-income customers in reducing their electricity bills. Phase 1 is the distribution of the
11 popular Energy Saving Kits (ESKs) to qualified customers, which began in 2010 and will continue
12 throughout 2011.

13 In collaboration with Terasen Gas and BC Hydro, it is expected that FortisBC will distribute 1,400 ESKs
14 throughout the FortisBC service area. To maximize efficiencies, information distribution will be targeted
15 specifically to advocates and service delivery organizations, as well as social housing societies.

16 PowerSense representatives will also promote the kits at health and seniors' trade shows and at events or
17 functions targeting low-income households.

18 During 2011, to support those households that may not have the ability to install all the components of the
19 ESK, FortisBC will contract a company or individuals to install more than 400 kits.

20 Also in collaboration with Terasen Gas and BC Hydro, in 2011 FortisBC will deliver a more in-depth
21 Energy Conservation Assistance Program (ECAP) for those customers with higher electricity
22 consumption and without the financial ability to make their home more energy efficient. FortisBC will
23 provide approximately 150 qualified applicants with a free home energy evaluation and select energy
24 efficiency upgrades.

25 **Rental Accommodation Programs – Single- and Multi-Family**

26 In its first phase, the Single-Family Rental Accommodation Program will be delivered in the same
27 manner as the Low-Income Program. ESKs will be made available to all qualifying households and if
28 residents are physically unable to install the ESK items, a contractor will provide the installation services
29 needed.

Project No. 3698603: FortisBC 2011 Capital Expenditure Plan
Requestor Name: British Columbia Utilities Commission
Information Request No: 1
To: FortisBC Inc.
Request Date: August 12, 2010
Response Date: October 1, 2010

Table BCUC IR1 A55.2

Sector	Program	Measure	Unit Measure Savings (kWh)	Unit Cost (\$/Unit)	EML (years)	Unit Benefit (\$/unit)	No. Units	Total Cost (\$)	Total Benefit (\$)	Measure TRC B/C ratio
Residential										
	Bldg Envelope	Insulation R0 base	2.3	1.49	25	3.75	359,649	534,628	1,348,011	2.5
		R19 base	1.6	0.68	30	2.70	910,256	621,603	2,461,852	4.0
		Draftproofing - SFD	1,074	950	25	1,766	158	150,401	279,466	1.9
		Windows - single	23	24.45	20	34.0	57,778	1,412,740	1,965,593	1.4
		- dual	15	24.08	20	21.9	73,793	1,776,752	1,617,834	0.9
		T-stats	469	257	15	618	1,045	268,417	645,898	2.4
		furnace fan	109	145	20	165	1,743	252,914	287,279	1.1
	Ht Pumps	AS-conversion	6,276	8,369	20	9,489	252	2,106,977	2,388,952	1.1
		AS-upgrade	3,036	1,859	20	4,590	181	336,748	831,597	2.5
		AS-ductless	4,000	4,953	20	6,048	109	538,627	657,718	1.2
		Geo	10,014	10,880	30	17,361	83	903,941	1,442,437	1.6
	New Home	whole house - EG80	3,455	3,361	30	5,990	26	87,562	156,033	1.8
		- EG90	7,357	20,344	30	12,755	2	41,478	26,005	0.6
	Lighting	CFL screw-in	35	8	5	21.5	63,714	499,220	1,371,176	2.7
		hard-wired	71	30	15	93.6	3,521	106,751	329,540	3.1
		T8 upgrade	29	19	15	38.2	32,414	627,368	1,239,070	2.0
	Appliances	Clothes Washer	173	368	14	1,228	1,156	425,530	1,419,240	3.3
		Refrigerator	75	54	20	113	2,000	107,008	226,799	2.1
		P/U	840	179	5	516	214	38,410	110,678	2.9
		Freezer	54	53	20	82	741	38,906	60,480	1.6
		P/U	755	175	5	464	146	25,537	67,637	2.6
	Electronics	Electronics	176	29	8	156	908	26,536	141,597	5.3
		Computers etc.	136	37	5	84	147	5,512	12,298	2.2
	Wtr Heating	HPWH	2,001	794	15	2,638	90	71,469	237,269	3.3
		Other (watersavers)	407	44	10	421	1,572	69,215	661,346	9.6
		Solar Thermal	2,200	6,026	20	3,326	64	383,459	211,679	0.6
	Low Income	ESK + installs	239	60	5	147	1,400	84,000	205,738	2.4
		light retrofits (ECAP)	1,371	1,475	13	1,669	150	221,250	250,313	1.1
	Behavioural	clotheslines	225	15	7	180	10,000	150,000	1,804,007	12.0
		Other	50	11	3	19.8	15,200	160,000	301,623	1.9
Residential B/C ratios:								\$ 12,072,958	\$ 22,759,166	1.9