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February 29, 2016

Ms. Laurel Ross  
Acting Commission Secretary  
British Columbia Utilities Commission  
Sixth Floor – 900 Howe Street  
Vancouver, BC V6Z 2N3

Dear Ms. Ross:

**RE: Project No. 3698781  
British Columbia Utilities Commission (BCUC or Commission)  
British Columbia Hydro and Power Authority (BC Hydro)  
2015 Rate Design Application (2015 RDA)  
Commission Order No. G-12-16  
Reasons for Decision – February 1, 2016 – Page 11  
Revised Responses to BCOAPO Information Requests (IRs)**

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BC Hydro writes further to its correspondence of February 12, 2016 to provide its revised responses to the following outstanding BCOAPO IRs:

- BCOAPO IR 1.108.4
- BCOAPO IR 1.108.6
- BCOAPO IR 1.109.3
- BCOAPO IR 1.109.6

For further information, please contact Gordon Doyle at 604-623-3815 or by email at [bchydroregulatorygroup@bchydro.com](mailto:bchydroregulatorygroup@bchydro.com).

Yours sincerely,



Tom Loski  
Chief Regulatory Officer

gd/ma

Enclosure (1)

Copy to: BCUC Project No. 3698781 (2015 RDA) Registered Intervener Distribution List.

<b>British Columbia Old Age Pensioners' Organization</b> Information Request No. <b>1.108.4</b> Dated: <b>November 17, 2015</b> British Columbia Hydro & Power Authority <b>REVISED</b> Response issued <b>February 29, 2016</b>	Page 1 of 1
British Columbia Hydro & Power Authority <b>2015 Rate Design Application</b>	

## 108.0 CHAPTER 5 RESIDENTIAL RATE DESIGN

**Reference: Exhibit B-1, Section 5.6.2  
Energy Savings Kits**

1.108.4 At p.5-75 of the Application, BC Hydro asserts that “The energy savings kits referred to above can help recipients save up to \$100/year on utility bills.” Please explain how the savings more than tripled, and provide a working spreadsheet that identifies the energy saved by individual components of the ESK, and the value of that energy, for both the \$30 and the \$100 annual savings calculation.

### ORIGINAL RESPONSE:

This IR appears to be based on a misunderstanding of what the \$100/year and \$30/year savings estimates represent. The up to \$100/year figure referenced at page 5-75 of Exhibit B-1 is based on the estimate of the maximum savings potential of a customer with electric space heating and electric hot water heating that installs all of the products provided in an ESK. The \$30/year figure referenced in the question is the average savings of an ESK based on install rates and type of fuel used for space and water heating.

BC Hydro respectfully declines to provide the requested working spreadsheet that identifies the energy saved by individual components of the ESK program on the basis that the requested spreadsheet is not relevant to and cannot aid in the review of the 2015 RDA or the orders sought in respect of it, or for purposes of the Minister RIB Report Letter.

### REVISED RESPONSE:

**This IR appears to be based on a misunderstanding of what the \$100/year and \$30/year savings estimates represent. The up to \$100/year figure referenced at page 5-75 of Exhibit B-1 is based on the estimate of the maximum savings potential of a customer with electric space heating and natural gas hot water heating that installs all of the products available in an ESK. The \$30/year figure referenced in the question is the average savings of an ESK based on install rates and type of fuel used for space and water heating.**

**The attached spreadsheet contains two workbooks. The tab, labelled *\$30 Average Savings*, shows the average electrical savings for an energy saving kit based on install rates and estimates for fuel used for space and water heating. The tab, labelled *\$100 Potential Savings*, shows the calculations for the electricity portion of the savings in an electrically space heated and natural gas hot water heated home. The natural gas savings have been provided by FortisBC.**

## 108.0 CHAPTER 5 RESIDENTIAL RATE DESIGN

**Reference: Exhibit B-1, Section 5.6.2  
Energy Savings Kits**

1.108.6 Please provide the annual cost of the ESK program for each year since 2008, by cost type, together with BC Hydro's estimate of energy saved.

### ORIGINAL RESPONSE:

BC Hydro respectfully declines to respond to this IR for the reason set out in BC Hydro's response to BCOAPO IR 1.108.5.

### REVISED RESPONSE:

The answer below also responds to BCOAPO IR 1.109.06. Table A shows actual costs by fiscal year for all low income offers. The Energy Saving Kit offer and the Energy Conservation Assistance offer are a single program and the costs are captured under the same financial coding – costs are not tracked separately.

Table B shows the energy savings by fiscal year for Energy Saving Kits and the Energy Conservation Assistance Program.

**Table A Actual costs by fiscal year: Low Income Program Offers**

in \$ million	F08 Annual Actual	F09 Annual Actual	F10 Annual Actual	F11 Annual Actual	F12 Annual Actual	F13 Annual Actual	F14 Annual Actual	F15 Annual Actual
Program Costs	0.1	1.0	1.5	2.1	1.7	1.2	1.0	0.8
Incentives	0.0	0.4	1.1	2.5	2.8	1.8	1.2	1.1
Total	0.1	1.3	2.6	4.6	4.5	3.0	2.2	1.9

**Table B Savings by Program Offer**

in GWh	F08	F09	F10	F11	F12	F13	F14	F15
Energy Saving Kits	0.0	2.2	2.5	4.7	4.0	1.6	2.3	2.4
ECAP	0.0	0.0	0.4	1.4	2.0	1.9	1.2	0.8

*Incremental program savings, net of free riders*

## 109.0 CHAPTER 5 RESIDENTIAL RATE DESIGN

**Reference: Exhibit B-1, Section 5.6.2  
Energy Conservation Assistance Program (ECAP)**

1.109.3 How many assessments has Carillion performed since the inception of the program? Please provide an analysis by year and service area.

### ORIGINAL RESPONSE:

BC Hydro respectfully declines to respond to this IR for the reason set out in BC Hydro's response to BCOAPO IR 1.109.1.

### REVISED RESPONSE:

**Table 1 below shows the number of assessments by service area and fiscal year completed by Carillion Canada and one additional contractor that was active in F2010 to F2014. The F2016 values are up to the end of January 2016.**

**Table 1 Assessments\* by Region**

	Lower Mainland	North/Interior	South Interior	Vancouver Island/Coast	Carillion Grand Total	Program Grand Total
F10		1		160	161	536
F11	9		15	693	717	1,595
F12	5	1	83	868	957	2,708
F13	65		218	433	716	2,407
F14	75		119	500	694	1,655
F15	510	89	203	611	1,413	1,413
F16	1,259	46	251	752	2,308	2,308
<b>Grand Total</b>	<b>1923</b>	<b>137</b>	<b>889</b>	<b>4027</b>	<b>6976</b>	<b>12,623</b>

\* These numbers include basic ECAP assessments as well as direct install of energy saving measures in non-profit apartment suites completed by Carillion.

<b>British Columbia Old Age Pensioners' Organization</b> Information Request No. <b>1.109.6</b> Dated: <b>November 17, 2015</b> British Columbia Hydro & Power Authority <b>REVISED</b> Response issued <b>February 29, 2016</b>	Page 1 of 1
British Columbia Hydro & Power Authority <b>2015 Rate Design Application</b>	

## 109.0 CHAPTER 5 RESIDENTIAL RATE DESIGN

**Reference: Exhibit B-1, Section 5.6.2  
Energy Conservation Assistance Program (ECAP)**

1.109.6 Please provide the annual cost of the ECAP program for each year since 2008, by i) direct cost type (home evaluation, energy saving products, refrigerators and insulation); and ii) indirect cost type (administration, marketing, etc.). Please also provide BC Hydro's estimate of energy saved by program component.

### ORIGINAL RESPONSE:

BC Hydro respectfully declines to respond to this IR on the basis that the information sought is not relevant to and cannot aid in the review of the 2015 RDA or the orders sought in respect of it, or for purposes of the Minister RIB Report Letter. The information sought in this IR, which concerns the costs of BC Hydro's ECAP program, is more relevant to a DSM expenditure schedule determination filed with the Commission under subsection 44.2(1)(a) of the *UCA*. As noted in BC Hydro's response to BCOAPO IR 1.102.1, BC Hydro will be submitting a DSM expenditure schedule filing contemporaneously with or as part of the F2017 RRA in February 2016.

### REVISED RESPONSE:

**Please refer to BC Hydro's response to BCOAPO IR 1.108.6.**