

**Schedule 06 – Energy Imbalance Service (continued)**

<p>Energy Imbalance</p>	<p>Energy imbalances are calculated hourly based on deviations from scheduled generation and load. Positive imbalances occur when actual generation is greater than scheduled generation or when actual load is less than scheduled load. Negative imbalances occur when actual generation is less than scheduled generation or when actual load is greater than scheduled load.</p> <ol style="list-style-type: none"> <li>1. Positive imbalances that do not exceed 20 MWh over an Energy Imbalance Period, will be settled at BC Hydro's hourly Energy Imbalance Price for the amount of the imbalance that does not exceed 4 MW in any hour, and at BC Hydro's hourly buy price for the amount of the imbalance in any hour that exceeds that amount.</li> <li>2. Positive imbalances that exceed 20 MWh over an Energy Imbalance Period will be settled at BC Hydro's hourly buy price for the entire amount of the imbalance over that Energy Imbalance Period.</li> <li>3. Negative imbalances that do not exceed 20 MWh over an Energy Imbalance Period, will be settled at BC Hydro's hourly Energy Imbalance Price for the amount of the imbalance that does not exceed 4 MW in any hour, and at BC Hydro's hourly sell price for the amount of the imbalance in any hour that exceeds that amount.</li> <li>4. Negative imbalances that exceed 20 MWh over an Energy Imbalance Period will be settled at BC Hydro's hourly sell price for the entire amount of the imbalance over that Energy Imbalance Period.</li> </ol> <p>BC Hydro's Energy Imbalance Price will be calculated hourly based on the average of BC Hydro's hourly buy price and BC Hydro's hourly sell price.</p>
<p>Rate</p>	<p>"BC Hydro's hourly buy price" for energy received is equal to the <del>Dow Jones</del> <u>Platts Mid-C</u> Firm <del>off-peak Daily Mid-Columbia (LLH)</del> <u>Daily Index Price</u>, less Bonneville Power Authority's (BPA) wheeling rate from B.C.-U.S Border to Mid-Columbia (Mid-C). On Sundays and NERC Holidays, BC Hydro's hourly buy price is equal to the <u>Platts Mid-C</u> Firm Sunday and NERC Holidays <u>Daily Index Price</u>, less the wheeling rate from B.C.-U.S. Border to Mid-C. If a BC Hydro system spill occurs during the month, the buy price for all hours of the month will be zero.</p>

ACCEPTED: \_\_\_\_\_

ORDER NO. \_\_\_\_\_

COMMISSION SECRETARY

# BC Hydro

Open Access Transmission Tariff

Effective: ~~09 December 2010~~ 13 September 2013

OATT Schedule 06 – First Revision of Page 3

	<p>“BC Hydro's hourly” sell price for energy provided during High Load Hours(HLH are hours ending 0700 to 2200) is set hourly as follows:</p> <p>BPA's Mid-C to U.S.-B.C. Border wheeling rate will be added to the <del>Dew JonesPlatts Mid-C</del> Firm <del>on-peak Daily Mid Columbia</del>-(HLH) <u>Daily Index Price</u> and the result will be multiplied by the following factors to derive hourly prices.</p> <table border="0" data-bbox="503 567 1299 1071"> <tr> <td>Hour 0700</td> <td>0.8531</td> <td>Hour 1500</td> <td>0.9668</td> </tr> <tr> <td>Hour 0800</td> <td>0.9437</td> <td>Hour 1600</td> <td>0.9766</td> </tr> <tr> <td>Hour 0900</td> <td>0.9852</td> <td>Hour 1700</td> <td>1.0365</td> </tr> <tr> <td>Hour 1000</td> <td>0.9995</td> <td>Hour 1800</td> <td>1.0966</td> </tr> <tr> <td>Hour 1100</td> <td>1.0026</td> <td>Hour 1900</td> <td>1.0850</td> </tr> <tr> <td>Hour 1200</td> <td>0.9945</td> <td>Hour 2000</td> <td>1.0615</td> </tr> <tr> <td>Hour 1300</td> <td>0.9861</td> <td>Hour 2100</td> <td>1.0360</td> </tr> <tr> <td>Hour 1400</td> <td>0.9731</td> <td>Hour 2200</td> <td>1.0031</td> </tr> </table> <p>BC Hydro's hourly sell price for energy provided during Low Load Hours (LLH are hours ending 2300 to 0600) is equal to the <del>Dew JonesPlatts Mid-C</del> Firm <del>off-peak (LLH) Daily Mid Columbia LLH</del> Index <u>Price</u>, plus BPA's wheeling rate from Mid-C to the U.S.-B.C. Border.</p> <p>BC Hydro's hourly sell price for energy provided during Sundays and NERC Holidays is equal to the <del>Dew JonesPlatts Mid-C</del> Firm Sunday and NERC Holidays <u>Daily Index Price</u>, plus BPA's wheeling rate from Mid-C to the U.S.-B.C. Border.</p> <p>BPA's wheeling rate is available on the BPA OASIS website.</p>	Hour 0700	0.8531	Hour 1500	0.9668	Hour 0800	0.9437	Hour 1600	0.9766	Hour 0900	0.9852	Hour 1700	1.0365	Hour 1000	0.9995	Hour 1800	1.0966	Hour 1100	1.0026	Hour 1900	1.0850	Hour 1200	0.9945	Hour 2000	1.0615	Hour 1300	0.9861	Hour 2100	1.0360	Hour 1400	0.9731	Hour 2200	1.0031
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Taxes	The Charges contained herein are exclusive of applicable taxes.																																
Note	A description of the methodology for discounting Energy Imbalance Services provided under this Schedule is contained in Section 3 of the BC Hydro OATT.																																

ACCEPTED: \_\_\_\_\_

ORDER NO. \_\_\_\_\_

COMMISSION SECRETARY

**Schedule 09**

**Loss Compensation Service**

Preamble	To Transmission Customers taking Network Integration Transmission Service, Long and Short-Term Firm Point-to-Point Transmission Service, and Non-Firm Point to Point Transmission Service who have elected to take the Loss Compensation Service.																																
Termination Date	1 March 2018																																
Rate	<p>Loss Compensation Service will be priced at “BC Hydro’s hourly sell price”.</p> <p>BC Hydro's hourly sell price for energy provided during any hour in which the intertie for US to BC is fully utilized, as measured by zero Available Transmission Capacity at the close of the scheduling period for that hour, is the AESO Export Opportunity Service Rate (XOS) added to the greater of \$0/MWh or the Alberta Power Pool price corresponding to that hour.</p> <p>If the intertie for the US to BC is not fully utilized, the following hourly prices apply.</p> <p>BC Hydro's hourly sell price for energy provided during High Load Hours (HLH are hours ending 0700 to 2200) is set hourly as follows:</p> <p>BPA's wheeling rate from Mid-C to the U.S.-B.C. Border will be added to the greater of \$0/MWh or the <del>Dow Jones Firm Daily Mid Columbia HLH Index</del> <u>Platts Mid-C Firm on-peak (HLH) Daily Index Price</u> and the result will be multiplied by the following factors to derive hourly prices.</p> <table border="0" data-bbox="516 1339 1300 1833"> <tr> <td>Hour 0700</td> <td>0.8531</td> <td>Hour 1500</td> <td>0.9668</td> </tr> <tr> <td>Hour 0800</td> <td>0.9437</td> <td>Hour 1600</td> <td>0.9766</td> </tr> <tr> <td>Hour 0900</td> <td>0.9852</td> <td>Hour 1700</td> <td>1.0365</td> </tr> <tr> <td>Hour 1000</td> <td>0.9995</td> <td>Hour 1800</td> <td>1.0966</td> </tr> <tr> <td>Hour 1100</td> <td>1.0026</td> <td>Hour 1900</td> <td>1.0850</td> </tr> <tr> <td>Hour 1200</td> <td>0.9945</td> <td>Hour 2000</td> <td>1.0615</td> </tr> <tr> <td>Hour 1300</td> <td>0.9861</td> <td>Hour 2100</td> <td>1.0360</td> </tr> <tr> <td>Hour 1400</td> <td>0.9731</td> <td>Hour 2200</td> <td>1.0031</td> </tr> </table>	Hour 0700	0.8531	Hour 1500	0.9668	Hour 0800	0.9437	Hour 1600	0.9766	Hour 0900	0.9852	Hour 1700	1.0365	Hour 1000	0.9995	Hour 1800	1.0966	Hour 1100	1.0026	Hour 1900	1.0850	Hour 1200	0.9945	Hour 2000	1.0615	Hour 1300	0.9861	Hour 2100	1.0360	Hour 1400	0.9731	Hour 2200	1.0031
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ACCEPTED: \_\_\_\_\_

ORDER NO. \_\_\_\_\_

COMMISSION SECRETARY

# BC Hydro

Open Access Transmission Tariff

Effective: ~~April 18, 2013~~ September 13, 2013

OATT Schedule 09 – ~~Fourth-Fifth~~ Revision of Page 2

	<p>BC Hydro's hourly sell price for energy provided during Low Load Hours (LLH are hours ending 2300 to 0600) is equal to BPA's wheeling rate from Mid-C to the U.S.-B.C. Border plus the greater of \$0/MWh or the <del>Dow Jones Firm Daily Mid Columbia LLH Index</del> <u>Platts Mid-C Firm off-peak (LLH) eDaily Index Price</u>.</p> <p>BC Hydro's hourly sell price for energy provided during Sundays and NERC Holidays is equal to BPA's wheeling rate from Mid-C to the U.S.-B.C. Border plus the greater of \$0/MWh or the <del>Dow Jones</del> <u>Platts Mid-C Firm Sunday and NERC Holidays eDaily Index Price</u>.</p> <p>AESO's XOS Rate is available on the AESO website.</p> <p>BPA's wheeling rate is available on the BPA OASIS website</p>
Taxes	The Rate and Charges contained herein are exclusive of applicable taxes.

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ORDER NO. \_\_\_\_\_

COMMISSION SECRETARY

**Network Economy Service**

## 1. In this Tariff Supplement:

**“Burrard Heat Rate”** means the heat rate used by British Columbia Hydro and Power Authority (BC Hydro) in making economic decisions about whether to run Burrard Thermal Generating Station.

**“Sumas 2 Gas Index”** means the “Midpoint Price” listed in *Gas Daily* for “Northwest, Canadian Border (Sumas)”.

**“Threshold Purchase Price”** means the Threshold Purchase Price, as defined, and as determined from time to time, in the Transfer Pricing Agreement for Electricity and Gas between BC Hydro and Powerex Corp, dated April 1, 2003.

**“Network Economy Service”** is as defined in section 1 of Attachment Q-2.

## 2. For the purposes of section 2 of Attachment Q-2 to the Tariff:

- (a) During the period from March 1 to October 31, the Trigger Price is the Threshold Purchase Price;
- (b) During the period from November 1 to February 28 or February 29, as applicable, the Trigger Price is:
  - (i) for transactions at the BC-US intertie, the Sumas 2 Gas Index multiplied by the Burrard Heat Rate; and
  - (ii) for transactions at the BC-Alberta intertie, the Threshold Purchase Price.
- (c) At all times, in the case of imports using Network Economy Service over the US-BC intertie, the Market Price is:
  - (i) for Hours Ending 07:00:00 to 22:00:00 (Monday to Saturday, excluding US NERC Holidays) the ~~Mid-C Heavy Load Hour price as reported by Dow Jones~~ Platts Mid-C Firm on-peak (HLH) Daily Index Price, net of transmission losses, from the last day available as of 17:00:00 of each current day; and
  - (ii) for Hours Ending 01:00:00 to 06:00:00, Hour Ending 23:00:00 and Hour Ending 24:00:00, Monday to Saturday; all day Sunday; and all US NERC Holidays: the Platts Mid-C Firm off-peak (LLH) dDaily Index Price ~~Mid-C Light Load Hour price as reported by Dow Jones~~, net of transmission losses, from the last day available as of 17:00:00 of each current day.

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ORDER NO. \_\_\_\_\_

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COMMISSION SECRETARY

201013 September 2013

10.3 This Agreement shall be subject to the Parties obtaining and maintaining any required regulatory approvals.

10.4 The Transmission Customer acknowledges that ~~the CME Group Index Services LLC, Dow Jones & Company, Inc. and their respective affiliates~~ any index publishing services firms or their respective affiliates that are identified in the Open Access Transmission Tariff, including its schedules and supplements do not sponsor, endorse, sell or promote the purchase or sale of transmission service as outlined in British Columbia Hydro and Power Authority’s Open Access Transmission Tariff, and none of them make any representation regarding the advisability of investing in the transmission service offered by British Columbia Hydro and Power Authority thereunder.

11. The signatories hereby represent that they have been appropriately authorized to execute this Agreement on behalf of the Party for whom they sign.

12. The Tariff is incorporated herein and made a part hereof.

IN WITNESS WHEREOF, the Parties have caused this Agreement to be executed by their respective authorized officials.

Transmission Provider:

By: \_\_\_\_\_  
Name Title Date

Transmission Customer:

By: \_\_\_\_\_  
Name Title Date

ACCEPTED: \_\_\_\_\_

ORDER NO. \_\_\_\_\_

201013 September 2013

- (b) BC Hydro and the Transmission Customer will promptly comply with all relevant laws and regulations and the relevant orders, rules and requirements of all authorities having jurisdiction.
- (c) The Transmission Customer acknowledges that any index publishing services firms or their respective affiliates that are identified in the Open Access Transmission Tariff, including its schedules and supplements~~the CME Group Index Services LLC, Dow Jones & Company, Inc. and their respective affiliates~~ do not sponsor, endorse, sell or promote the purchase or sale of transmission service as outlined in British Columbia Hydro and Power Authority’s Open Access Transmission Tariff, and none of them make any representation regarding the advisability of investing in the transmission service offered by British Columbia Hydro and Power Authority thereunder.

- 10. Nothing contained in this Service Agreement shall restrict or limit either Party from establishing, altering or terminating interconnection points with any entity not a party to this Service Agreement or amending or entering into such agreements.
- 11. This Service Agreement shall inure to the benefit of and be binding upon the Parties and their respective successors.
- 12. The Tariff and the attached Specifications for Long-Term Firm Point-To-Point Transmission Service is incorporated herein and made a part hereof.

IN WITNESS WHEREOF, the Parties have caused this Service Agreement to be executed by their respective authorized officials.

Transmission Provider:

By: \_\_\_\_\_  
 Name Title Date

Transmission Customer:

By: \_\_\_\_\_

ACCEPTED: \_\_\_\_\_

ORDER NO. \_\_\_\_\_