

Janet Fraser

Chief Regulatory Officer

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February 27, 2015

Ms. Erica Hamilton
Commission Secretary
British Columbia Utilities Commission
Sixth Floor – 900 Howe Street
Vancouver, BC V6Z 2N3

Dear Ms. Hamilton:

**RE: British Columbia Utilities Commission (BCUC or Commission)
British Columbia Hydro and Power Authority (BC Hydro)
Electric Tariff and Open Access Transmission Tariff (OATT)
Application to Replace Mid Columbia Electricity Price Indices**

BC Hydro writes pursuant to sections 58 to 61 of the *Utilities Commission Act* to submit an application for approval of amendments to BC Hydro's Electric Tariff and OATT (together **Tariffs**) to replace the electricity price indices that are used to calculate certain rates under each of the Tariffs (**Application**).

BC Hydro has performed a review of its usage of indices prepared by various index publishers with the goal of identifying synergies, optimizing licensing requirements and reducing costs across its business groups.

As a result of this review and as set-out in the Application, BC Hydro seeks amendments to the Tariffs to replace all references to Mid-C firm daily electricity price indices published by Platts, McGraw Hill Financial (**Platts**) with equivalent indices published by Intercontinental Exchange Inc. (**ICE**).

The rate schedules (**RS**) and tariff supplements (**TS**) to be amended are as follows:

Electric Tariff:

- RS 1253 – Distribution Service – IPP Station Service
- RS 1853 – Transmission Service – IPP Station Service
- TS 54 Modified Demand Agreement – RS 1852

Clean and black-lined copies of revised Electric Tariff pages are included in **Appendix A** of the Application.

OATT:

- RS 06 – Energy Imbalance Service
- RS 09 – Loss Compensation Service
- TS 80 – Network Economy

Clean and black-lined copies of revised OATT pages are included in **Appendix B** of the Application.

Consultation

BC Hydro invited comments on the proposed amendments from its OATT customers (by way of a bulletin posted on BC Hydro's transmission website) and its affected Electric Tariff customers and other interested parties (by way of an email) on January 16, 2015, and provided stakeholders with a two-week comment period. A copy of this notification is included as **Appendix C** of the Application. No comments were received during this consultation.

Proposed Process

Based on the low level of interest demonstrated by customers during consultation and in response to a similar application in 2013 which resulted in the Commission approving the use of the Platts indices in the Tariffs through Order No. G-214-13, BC Hydro believes that the Commission can approve the application with minimal process. However, should the Commission determine that a review of the application is required, BC Hydro believes that a written process, with a single round of information requests, is appropriate for the Commission to consider the amendments proposed in the Application. BC Hydro includes a draft Order in **Appendix D** of the Application.

For further information, please contact Gordon Doyle at 604-623-3815 or by email at bchydroregulatorygroup@bchydro.com.

Yours sincerely,

Original signed

Janet Fraser
Chief Regulatory Officer

ch/ma

Enclosure (1)

Copy to:

AMPC

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Attention: Brian R. Wallace
rbw@bht.com

Cargill

Attention: Philip Pauls
Philip_Pauls@cargill.com
Attention: Robert Walker
Robert_Walker@cargill.com

Enmax

Attention: Darren Gogol
dgogol@enmax.com

Partner, The Progressive Group

Attention: Cynthia Burton
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Teck Metals Ltd

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Richard.Deane@teck.com

BCOAPO

Attention: Tannis Braithwaite
tbraithwaite@bcpiac.com

Clean Energy Association

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Morgan Stanley

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Attention: Michael McWilliams
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dan.ohearn@powerex.com
Attention: Tom Bechard
tom.bechard@powerex.com

TransAlta

Attention: Marcy Cochlan
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Capital Power Corporation

Attention: Daniel Jurijew
djurijew@capitalpower.com

Commercial Energy Consumers Association of BC

Attention: Christopher Weafer
cweafer@owenbird.com

NorthPoint Energy

Attention: Dean K. Krauss
dkrauss@northpointenergy.com
Attention: Dean Jones
djones@northpointenergy.com

REMC Rainbow Energy Marketing Corporation

Attention: Bob Friessen
b.friessen@rainbowenergy.com

TransCanada

Attention: Regulatory Department
tce_regulatory@transcanada.com
Attention: Vince Kostaskey
vince_kostaskey@transcanada.com

Via email to:

Electric Tariff Customers

Advanced Energy Systems
Ashlu Creek Investments
Limited Partnership
Atlantic Power Preferred Equity
Ltd
Barr Creel Limited Partnership
Bear Mountain Wind Limited
Partnership
Boston Bar Limited Partnership
Brown Miller Power Limited
Partnership

Fraser Richmond Soil and Fibre Ltd
Furry Creek Power Ltd.
HAA-AK-SUUK Creek Hydro LP
Harrison Hydro Limited Partnership
Hauer Creek Power Inc.
Jamie Creek Limited Partnership
Kensington Crowsnest Power LP
Kwagis Power Limited Partnership
Kwoiek Creek Resources Ltd
Partnership
Long Lake Hydro Inc

Sakwi Creek Hydro Limited
Partnership
Skookum Creek Power Partnership
South Sutton Creek Hydro Inc
Summit Power Corp.
Swift Power LP
Synex Energy Resources
Toba Montrose General Partnership
Tyson Creek Hydro Corp
Upnit Power Corp
Valisa Energy Inc

February 27, 2015
Ms. Erica Hamilton
Commission Secretary
British Columbia Utilities Commission
Electric Tariff and Open Access Transmission Tariff (OATT)
Application to Replace Mid Columbia Electricity Price Indices

Canadian Hydro Developers Inc	Marion Creek Hydro Inc	Valemount Hydro Limited
Canoe Creek Hydro LP	Maxim Power BC Inc	Partnership
Cape Scott Wind LP	McNair Creek Hydro Partnership	Village Farms Canada LP
Capital Power LP	Miller Creek Power Ltd	V.I. Power Ltd Partnership
Capital Regional District	MPT Hydro LP	Walden Power Partnership
Clowhom Power L.P.	NANAIMO LANDFILL IPP	Wescup
Covanta Burnaby Renewable	Raging River Power	West Fraser Mills Ltd
Energy ULC	RFP Power Ltd.	Western Forest Products Inc
District of Lake Country	Robson Valley Power Corp	Zeballos Lake Hydro Limited
Dokie General Partnership	Rockford Energy Corp	Partnership
Enpower Green Energy	Rutherford Creek Power Limited	
Fitzsimmons Creek Hydro	Partnership	

**Electric Tariff and Open Access Transmission Tariff
Application to Replace Mid Columbia
Electricity Price Indices**

February 2015

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1 **1 Introduction**

2 **1.1 Application**

3 British Columbia Hydro and Power Authority (**BC Hydro**) files this application pursuant
4 to sections 58 to 61 of the *Utilities Commission Act (UCA)*, R.S.B.C. 1996, c. 473 to
5 amend its Electric Tariff and its Open Access Transmission Tariff¹ (**OATT**, together
6 **Tariffs**) to replace the electricity price indices that are used to calculate certain rates
7 under each of the Tariffs (**Application**).

8 On September 9, 2013, BC Hydro submitted to the British Columbia Utilities
9 Commission (**BCUC or Commission**) its application (**2013 Application**) to replace
10 references in its Tariffs to indices prepared by S&P Dow Jones Indices LLC (**SPDJI**),
11 specifically the daily Mid Columbia (**Mid-C**) electricity price indices, with equivalent
12 indices prepared by Platts, McGraw Hill Financial (**Platts**). The 2013 Application was
13 necessitated by the discontinuation of the SPDJI indices and was approved on
14 December 12, 2013 by Commission Order No. G-214-13. At that time, BC Hydro
15 considered that there were business efficiency advantages to using indices published
16 by Intercontinental Exchange Inc. (**ICE**), however BC Hydro instead proposed to use
17 Platts, based largely on the fact that the data format of the SPDJI indices and the Platts
18 indices were identical which facilitated a simple technical transition between indices.
19 This was an important consideration to BC Hydro due to short timeframe that BC Hydro
20 had in order to effect the transition after the discontinuation of the SPDJI indices.

21 BC Hydro has now performed a broader review of its usage of indices prepared by
22 various index publishers and has confirmed that it wants to replace all references to
23 Mid-C firm daily electricity price indices published by Platts with equivalent indices
24 published by ICE.

¹ Electric Tariff and OATT available at: http://www.bchydro.com/about/planning_regulatory/tariff_filings.html.

1 This change is consistent with the corporate direction that BC Hydro has been taking in
2 using ICE in its commercial arrangements and provides business efficiencies to
3 BC Hydro.

4 The following Tariff pages are affected by the proposed changes:

- 5 • **Electric Tariff:** Rate Schedule (**RS**) 1253, RS 1853, Tariff Supplement (**TS**) 54;
6 and
- 7 • **OATT:** RS 06, RS 09 and TS 80

8 **1.2 Order Sought**

9 In this application, BC Hydro seeks an order approving its proposed changes to the
10 Electric Tariff and to the OATT to reflect the replacement of the Platts Mid-C electricity
11 price indices with equivalent indices prepared by ICE, all as described in the Application
12 and as reflected in the revised tariff pages attached in Appendix A to this application
13 (Electric Tariff) and Appendix B to this application (OATT).

14 A draft order is included in Appendix D to this application.

15 **1.3 Consultation**

16 BC Hydro notified its affected customers and other interested parties of its proposed
17 filing of the Application with the Commission and that the Application would seek
18 approval to replace the Platts Mid-C electricity price indices that are referenced in the
19 Tariffs with the equivalent ICE indices. BC Hydro notified its OATT customers (by way
20 of a bulletin posted to on BC Hydro's transmission website) and its affected Electric
21 Tariff customers and other interested parties (by way of an email) of the proposed
22 amendments on January 16, 2015 and established a two week comment period. A copy
23 of the email/bulletin is attached as Appendix C to this application. No comments were
24 received from customers or other interested parties during this consultation.

1.4 Proposed Process

Based on the low level of interest expressed by customers and interested parties in both the 2013 Application process and in the consultation described above in section 1.3, BC Hydro believes that the Commission can approve the Application with minimal process. However, should the Commission determine that a review of the Application is required, BC Hydro believes that a written process with a single round of information requests is appropriate for the Commission to consider the amendments proposed by BC Hydro in the Application.

2 Tariff Amendments

2.1 Electric Tariff

BC Hydro is proposing amendments to the Electric Tariff to revise references to the Platts electricity price indices as follows:

- **RS 1253 – Distribution Service – IPP Station Service:** BC Hydro proposes to amend RS 1253 to replace all references in the energy charge rate calculation from the “Platts Mid-C Firm on-peak (HLH)² and Firm off-peak (LLH)³ daily price indices” with the ICE Mid-C Day-Ahead Peak, and Mid-C Day-Ahead Off-Peak Daily Fixed-Price Future weighted average electricity price indices,⁴ respectively;
- **RS 1853 – Transmission Service – IPP Station Service:** BC Hydro proposes to amend the RS 1853 to replace all references in the energy charge rate calculation from the “Platts Mid-C Firm on-peak (HLH) and Firm off-peak (LLH) daily price indices” with the ICE Mid-C Day-Ahead Peak, and Mid-C Day-Ahead Off-Peak Daily Fixed-Price Future weighted average electricity price indices, respectively; and

² HLH = High-Load Hours.

³ LLH = Low-Load Hours.

⁴ Published as “Mid-C Peak” and “Mid-C Off-Peak” weighted average index prices on the ICE Day Ahead Power Price Report.

-
- 1 • **TS 54 - Modified Demand Agreement – RS 1852:** BC Hydro proposes to amend
2 the definition of “Mid-C Price” in section 1.1(c) to replace the “Platts Mid-C Firm
3 on-peak (HLH) daily price index” with the ICE Mid-C Day-Ahead Peak Fixed-Price
4 Future weighted average electricity price index.

5 Clean and black-lined versions of the affected tariff pages are included in Appendix A.

6 **2.2 OATT**

7 BC Hydro is proposing amendments to the OATT to revise references to the Platts
8 electricity price indices as follows:

- 9 • **RS 06 - Energy Imbalance Service:** BC Hydro proposes to amend RS 06 to
10 replace all references in the Energy Imbalance rate calculations to the “Platts
11 Mid-C Firm on-peak (HLH), Firm off-peak (LLH), and Firm Sunday and NERC
12 Holiday daily price indices” with the ICE Mid-C Day-Ahead Peak, and Mid-C
13 Day-Ahead Off-Peak Daily Fixed-Price Future weighted average electricity price
14 indices, respectively;⁵
- 15 • **RS 09 - Loss Compensation Service (LCS):** BC Hydro proposes to amend RS 09
16 to replace all references in the LCS sell price rate calculations to the “Platts Mid-C
17 Firm on-peak (HLH), Firm off-peak (LLH), and Firm Sunday and NERC Holiday
18 daily price indices” with the ICE Day-Ahead Peak, and Mid-C Day-Ahead Off-Peak
19 Daily Fixed-Price Future weighted average electricity price indices, respectively;
20 and
- 21 • **TS 80 - Network Economy:** BC Hydro proposes to amend TS 80 section 2(c)(i)
22 and (ii) to replace the references to the “Platts Mid-C Firm on-peak (HLH) and Firm
23 off-peak (LLH) daily price indices” with the ICE Mid-C Day-Ahead Peak, and Mid-C
24 Day-Ahead Off-Peak Daily Fixed-Price Future weighted average electricity price
25 indices, respectively.

⁵ Transactions occurring on Sundays and NERC Holidays are included in the ICE Mid-C Day-Ahead Off-Peak Daily Fixed-Price Future weighted average electricity price index.

1 Clean and black-lined versions of the affected tariff pages are included in Appendix B.

2 **3 Rationale for Amendments**

3 **3.1 Background – Use of Platts Mid-C Electricity Price Indices**

4 In the 2013 Application, BC Hydro elected to transition from the SPDJI indices to the
5 Platts indices for use in the Tariffs primarily because of the ease of use of the Platts
6 data as a result of the identical data format and the resulting ease of transition. As
7 discussed in section 1.1 of this application, the SPDJI indices were being discontinued
8 and, as a result, BC Hydro needed to move to a new index in a fairly short timeframe.
9 Platts was the best choice for BC Hydro at that time because its format was the same
10 as the SPDJI indices and BC Hydro could easily incorporate the data for use in its
11 Market Operations and Development System (**MODS**). However, BC Hydro did commit
12 in the 2013 Application to continue considering whether Platts was the best index for
13 use in the Tariffs.

14 Since then, BC Hydro has done a more detailed review of the different indices and has
15 concluded that it prefers to use the ICE indices to calculate rates under its Tariffs as
16 opposed to Platts. A summary of the rationale for this change is discussed below.

17 **3.2 Benefits of Replacement with ICE Mid-C Electricity Price Indices**

18 In the 2013 Application, BC Hydro reviewed index calculation methodologies and the
19 correlation of the data among the indices for Mid-C electricity pricing. In BC Hydro's
20 opinion, the results of that review do not, to any significant extent, inform the decision
21 on which index to use. All were found to use acceptable methodologies and appeared to
22 correlate very well with each other. This review has therefore not been repeated for the
23 current Application.

24 BC Hydro proposes to change its Tariffs to reference ICE as opposed to Platts indices
25 at this time because BC Hydro believes this change aligns with the direction BC Hydro
26 is taking in using ICE in its commercial arrangements, including the use by BC Hydro's

1 Generation Resource Management (**GRM**) group. BC Hydro believes there will be
2 business efficiencies gained as a result of this change as well.

3 **3.2.1 Corporate Alignment**

4 While BC Hydro's business groups that implement the Tariffs use the Platts indices
5 currently, BC Hydro's GRM group uses the ICE Mid-C daily indices for market based
6 decisions about the operation of BC Hydro generating assets. BC Hydro has also
7 identified a trend within BC Hydro of using the ICE indices in its new commercial
8 arrangements. BC Hydro believes this change to using ICE in the Tariffs aligns with the
9 general direction of BC Hydro's business groups in using ICE.

10 **3.2.2 Cost Analysis**

11 BC Hydro does not believe the cost differences between the various index providers are
12 material and therefore they were not a persuasive consideration for BC Hydro.
13 However, BC Hydro does expect to achieve cost savings by transitioning to ICE, as
14 discussed below.

15 BC Hydro currently has a total of five licences with Platts for use of the daily Mid-C
16 Electricity price indices in its Tariffs. These licenses cost BC Hydro approximately
17 US\$32,100 (approximately C\$40,100) per year in 2014. In addition, GRM currently pays
18 for a single ICE market subscription at a cost of US\$8,800 (C\$11,000) per year. This
19 results in current total costs to BC Hydro of US\$40,900 (C\$51,100).

20 If BC Hydro transitioned to ICE, BC Hydro would require an additional two licences for
21 this conversion at an ongoing annual licencing costs of approximately US\$17,600
22 (C\$22,000) per year for all uses under its Tariffs. With GRM's license, this results in a
23 total cost to BC Hydro for ICE licences of approximately US\$26,400 (C\$33,000).

24 In addition to the annual costs, BC Hydro would incur one-time costs to develop, test
25 and implement automated methodologies to download the ICE Mid-C electricity price
26 index data and parse it to allow auto population into MODS for application under the
27 OATT. The cost of these methodologies will depend on the extent to which BC Hydro is

1 able to negotiate with ICE for the provision of the data in a format that can be imported
2 directly into MODS, or alternatively leverage in-house expertise to develop the required
3 methodologies. Nevertheless, BC Hydro expects that the maximum cost to develop
4 these methodologies could be C\$15,000 to C\$20,000 if all work needs to be
5 outsourced, and these costs are not considered material. For clarity, there are no similar
6 costs required to transition to ICE for application under the Electric Tariff.

7 BC Hydro will continue to evaluate whether it is receiving good value for expenditures
8 on indexing services and if pricing or other factors become material in the future,
9 BC Hydro would consider seeking further revisions to the indexing requirements of its
10 Tariffs.

11 **3.2.3 Implementation**

12 BC Hydro has undertaken preliminary discussions with ICE and believes that it can
13 implement the required MODS methodologies for OATT application in advance of the
14 expiry of its current subscription with Platts in July 2015. If this is not the case,
15 BC Hydro would need to renew its subscriptions with Platts that are used for OATT
16 purposes (three licences) for an additional year and would delay its compliance filing
17 with the Commission to submit the OATT tariff pages for stamping following approval by
18 the Commission until the methodologies are ready for implementation.

19 The Electric Tariff applications are not sensitive to the data format requirements and
20 BC Hydro could make a compliance filing to submit the affected Electric Tariff pages to
21 the Commission for stamping at any time following approval by the Commission.

22 **3.3 Replace with Powerdex Mid-C Electricity Price Indices**

23 Although Powerdex publishes indices that could be used in place of the Platts indices,
24 BC Hydro did not consider this index provider because it is not widely used at BC Hydro
25 so would not be consistent with BC Hydro's current direction and would require potential
26 technology changes to allow the data to be captured in a way that would work with

1 BC Hydro's MODS system as well. As a result, BC Hydro did not consider this to be a
2 viable option to be considered at this time.

3 **4 Conclusion and Recommendation**

4 For the reasons discussed above, BC Hydro proposes to amend both the Electric Tariff
5 and the OATT to replace all references to the Platts Mid-C electricity price indices for
6 HLH, LLH or Sundays and NERC holidays with the appropriate ICE Mid-C Day-Ahead
7 Peak, and Mid-C Day-Ahead Off-Peak Daily Fixed-Price Future weighted average
8 electricity price indices.

9 **5 Communications**

10 All communications regarding this proceeding are to be addressed to:

Janet Fraser
Chief Regulatory Officer

BC Hydro
1600-333 Dunsmuir Street
Vancouver, BC V6B 5R3

Telephone: (604) 623-4046
Fax No.: (604) 623-4407
e-mail: bhydroregulatorygroup@bhydro.com

**Electric Tariff and Open Access Transmission Tariff
Application to Replace Mid Columbia
Electricity Price Indices**

Appendix A

**Revised Electric Tariff Pages
RS 1253, RS 1853 and TS 54**

Clean and Black-lined

BC Hydro

Rate Schedules

Effective: _____, 2015

Fifteenth Revision of Page 24

SCHEDULE 1253 – DISTRIBUTION SERVICE – IPP STATION SERVICE

Availability: For Customers who are Independent Power Producers (IPPs) served at distribution voltage, subject to the Special Conditions below.

Applicable in: Rate Zone I excluding Districts of Kingsgate-Yahk and Lardeau-Shutty Bench.

Rate: Energy Charge: The sum, over the Billing Period, of the hourly energy consumed multiplied by the entry in the ICE Mid Columbia (Mid-C) Peak, and Mid-C Off-Peak weighted average index price as published by ICE in the ICE Day Ahead Power Price Report that corresponds to the time when consumption occurred, during that hour.

Monthly
Minimum
Charge: \$39.03

Special Conditions:

1. BC Hydro agrees to provide Electricity under this Schedule to the extent that it has energy and capacity to do so.
2. BC Hydro may, without notice to the Customer, terminate the supply of Electricity under this Schedule if at any time BC Hydro does not have sufficient energy or capacity.
3. Prior to taking Electricity under this Schedule, the Customer may be required to obtain approval from BC Hydro. BC Hydro will advise the Customer of the need to obtain approval prior to the taking of energy under this Schedule.
4. Electricity taken under this Schedule is to be used solely for maintenance and black-start requirements and shall not displace Electricity that would normally be generated by the Customer.

Rate Rider: The Deferral Account Rate Rider as set out in Rate Schedule 1901 applies to all charges payable under this Rate Schedule, before taxes and levies.

Rate Increase: Effective April 1, 2014 the Rates and Minimum Charge under these schedules include an increase of 9.00% before rounding, approved by BCUC Order No. G-48-14.

ACCEPTED: _____

ORDER NO. _____

COMMISSION SECRETARY

BC Hydro

Rate Schedules

Effective: _____, 2015

Fifteenth Revision of Page 57

SCHEDULE 1853 – TRANSMISSION SERVICE – IPP STATION SERVICE

- Availability:** For Customers who are Independent Power Producers (IPPs) served at transmission voltage subject to the Special Conditions below.
- Applicable in:** Rate Zone I excluding Districts of Kingsgate-Yahk and Lardeau-Shutty Bench.
- Rate:** **Energy Charge:** The sum, over the Billing Period, of the hourly energy consumed multiplied by the entry in the ICE Mid- Columbia (Mid-C) Peak, and Mid-C Off-Peak weighted average index price as published by ICE in the ICE Day Ahead Power Price Report that corresponds to the time when consumption occurred, during that hour.
- Minimum Monthly Charge:** \$39.03
- Special Conditions:** BC Hydro agrees to provide Electricity under this Schedule to the extent that it has energy and capacity to do so.
- BC Hydro may, without notice to the Customer, terminate the supply of Electricity under this Schedule if at any time BC Hydro does not have sufficient energy or capacity.
- Prior to taking Electricity under this Schedule, the Customer may be required to obtain approval from BC Hydro. BC Hydro will advise the Customer of the need to obtain approval prior to the taking of energy under this Schedule.
- Electricity taken under this Schedule is to be used solely for maintenance and black-start requirements and shall not displace Electricity that would normally be generated by the Customer.
- Taxes:** The rates and minimum charge contained herein are exclusive of the Goods and Services tax and the Social Services tax.
- Rate Rider:** The Deferral Account Rate Rider as set out in Rate Schedule 1901 applies to all charges payable under this Rate Schedule, before taxes and levies.
- Rate Increase:** Effective April 1, 2014 the Rates and Minimum Charge under these schedules include an increase of 9.00% before rounding, approved by BCUC Order No. G-48-14.

ACCEPTED: _____

ORDER NO. _____

COMMISSION SECRETARY

**MODIFIED DEMAND AGREEMENT
Rate Schedule 1852**

This Agreement, which together with all Demand Reduction Transactions is referred to as the "Agreement", is made to be effective on the ___ day of _____ 200_,

BETWEEN:

BRITISH COLUMBIA HYDRO AND POWER AUTHORITY, a body corporate with its head office at 333 Dunsmuir Street, Vancouver, British Columbia

("B.C. Hydro")

AND:

("the Customer")

(Each of B.C. Hydro and the Customer are referred to individually as the "Party" and collectively, as the "Parties")

WHEREAS the Customer is currently receiving service from B.C. Hydro pursuant to Rate Schedule 1821 and the Electricity Supply Agreement approved by the British Columbia Utilities Commission, and in addition, wishes to take service from B.C. Hydro under Rate Schedule 1852.

NOW THEREFORE, THIS AGREEMENT WITNESSES that the Parties agree as follows:

1. INTERPRETATION

1.1. Definitions

The following definitions and any terms defined internally in this Agreement will apply to this Agreement and all notices and communications made pursuant to this Agreement:

- (a) "Business Day" means any day other than a Saturday, Sunday or a Statutory Holiday.
- (b) "Calendar Hour" means a 60 minute period commencing at the start of the first minute of one of the 24 one hour periods in a day.
- (c) "Mid-C Price" means the daily entry in the ICE Mid Columbia (Mid-C) Peak weighted average index price as published by ICE in the ICE Day Ahead Power Price Report .

ACCEPTED: _____

ORDER NO. _____

COMMISSION SECRETARY

BC Hydro

Rate Schedules

Effective: April 1, 2014

Fourteenth-Fifteenth Revision of Page 24

SCHEDULE 1253 – DISTRIBUTION SERVICE – IPP STATION SERVICE

Availability: For Customers who are Independent Power Producers (IPPs) served at distribution voltage, subject to the Special Conditions below.

Applicable in: Rate Zone I excluding Districts of Kingsgate-Yahk and Lardeau-Shutty Bench.

Rate: **Energy Charge:** The sum, over the Billing Period, of the hourly energy consumed multiplied by the entry in the ~~Platts-ICE~~ Mid Columbia (Mid-C) ~~Peak, and Mid-C Off-Peak Firm on-peak (HLH) and Firm off-peak (LLH) daily weighted average index price indices as published by ICE in the ICE Day Ahead Power Price Report~~ that corresponds to the time when consumption occurred, during that hour.

Monthly Minimum Charge: \$39.03

Special Conditions:

1. BC Hydro agrees to provide Electricity under this Schedule to the extent that it has energy and capacity to do so.
2. BC Hydro may, without notice to the Customer, terminate the supply of Electricity under this Schedule if at any time BC Hydro does not have sufficient energy or capacity.
3. Prior to taking Electricity under this Schedule, the Customer may be required to obtain approval from BC Hydro. BC Hydro will advise the Customer of the need to obtain approval prior to the taking of energy under this Schedule.
4. Electricity taken under this Schedule is to be used solely for maintenance and black-start requirements and shall not displace Electricity that would normally be generated by the Customer.

Rate Rider: The Deferral Account Rate Rider as set out in Rate Schedule 1901 applies to all charges payable under this Rate Schedule, before taxes and levies.

Rate Increase: Effective April 1, 2014 the Rates and Minimum Charge under these schedules include an increase of 9.00% before rounding, approved by BCUC Order No. G-48-14.

ACCEPTED: _____

ORDER NO. _____

COMMISSION SECRETARY

BC Hydro

Rate Schedules

Effective: April 1, 2014/2015

~~Fourteenth~~ Fifteenth Revision of Page 57**SCHEDULE 1853 – TRANSMISSION SERVICE – IPP STATION SERVICE**

Availability: For Customers who are Independent Power Producers (IPPs) served at transmission voltage subject to the Special Conditions below.

Applicable in: Rate Zone I excluding Districts of Kingsgate-Yahk and Lardeau-Shutty Bench.

Rate: Energy Charge: The sum, over the Billing Period, of the hourly energy consumed multiplied by the entry in the ~~Platts-ICE~~ Mid-Columbia (Mid-C) Firm on-peak ~~Peak~~, and Mid-C Off-Peak (HLH) and Firm off-peak (LLH) daily weighted average index price as published by ICE in the ICE Day Ahead Power Price Report ~~indices~~ that corresponds to the time when consumption occurred, during that hour.

Minimum
Monthly
Charge: \$39.03

Special Conditions: BC Hydro agrees to provide Electricity under this Schedule to the extent that it has energy and capacity to do so.

BC Hydro may, without notice to the Customer, terminate the supply of Electricity under this Schedule if at any time BC Hydro does not have sufficient energy or capacity.

Prior to taking Electricity under this Schedule, the Customer may be required to obtain approval from BC Hydro. BC Hydro will advise the Customer of the need to obtain approval prior to the taking of energy under this Schedule.

Electricity taken under this Schedule is to be used solely for maintenance and black-start requirements and shall not displace Electricity that would normally be generated by the Customer.

Taxes: The rates and minimum charge contained herein are exclusive of the Goods and Services tax and the Social Services tax.

Rate Rider: The Deferral Account Rate Rider as set out in Rate Schedule 1901 applies to all charges payable under this Rate Schedule, before taxes and levies.

Rate Increase: Effective April 1, 2014 the Rates and Minimum Charge under these schedules include an increase of 9.00% before rounding, approved by BCUC Order No. G-48-14.

ACCEPTED: _____

ORDER NO. _____

COMMISSION SECRETARY

**MODIFIED DEMAND AGREEMENT
Rate Schedule 1852**

This Agreement, which together with all Demand Reduction Transactions is referred to as the "Agreement", is made to be effective on the ___ day of _____, 200_,

BETWEEN:

BRITISH COLUMBIA HYDRO AND POWER AUTHORITY, a body corporate with its head office at 333 Dunsmuir Street, Vancouver, British Columbia

("B.C. Hydro")

AND:

("the Customer")

(Each of B.C. Hydro and the Customer are referred to individually as the "Party" and collectively, as the "Parties")

WHEREAS the Customer is currently receiving service from B.C. Hydro pursuant to Rate Schedule 1821 and the Electricity Supply Agreement approved by the British Columbia Utilities Commission, and in addition, wishes to take service from B.C. Hydro under Rate Schedule 1852.

NOW THEREFORE, THIS AGREEMENT WITNESSES that the Parties agree as follows:

1. INTERPRETATION

1.1. Definitions

The following definitions and any terms defined internally in this Agreement will apply to this Agreement and all notices and communications made pursuant to this Agreement:

- (a) "Business Day" means any day other than a Saturday, Sunday or a Statutory Holiday.
- (b) "Calendar Hour" means a 60 minute period commencing at the start of the first minute of one of the 24 one hour periods in a day.
- (c) "Mid-C Price" means the daily entry in the ~~Platts~~ ICE Mid Columbia (Mid-C) Peak weighted average index price as published by ICE in the ICE Day Ahead Power Price Report Firm-on-peak Price Index.

ACCEPTED: _____

ORDER NO. _____

COMMISSION SECRETARY

**Electric Tariff and Open Access Transmission Tariff
Application to Replace Mid Columbia
Electricity Price Indices**

Appendix B

**Revised OATT Pages
RS 06, RS 09 and TS 80**

Clean and Black-lined

BC Hydro

Open Access Transmission Tariff

Effective: _____ 2015

OATT Schedule 06 – Second Revision of Page 2

Schedule 06 – Energy Imbalance Service (continued)

Energy Imbalance	<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"> 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. 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. 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. 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. <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>
Rate	<p>"BC Hydro's hourly buy price" for energy received is equal to the ICE Mid-C Off-Peak weighted average index price, as published by ICE in the ICE Day Ahead Power Price Report , less Bonneville Power Authority's (BPA) wheeling rate from B.C.-U.S Border to Mid Columbia (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: _____ 2015

OATT Schedule 06 – Second 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, Monday through Saturday excluding NERC Holidays) is set hourly as follows:</p> <p>BPA's Mid-C to U.S.-B.C. Border wheeling rate will be added to the ICE Mid-C Peak weighted average index price, as published by ICE in the ICE Day Ahead Power Price Report and the result will be multiplied by the following factors to derive hourly prices.</p> <table data-bbox="527 567 1299 1050"> <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 Monday through Saturday and all day Sunday and NERC Holidays) is equal to the ICE Mid-C Off-Peak weighted average index price, as published by ICE in the ICE Day Ahead Power Price Report, 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

BC Hydro

Open Access Transmission Tariff

Effective: _____, 2015

OATT Schedule 09 – Sixth Revision of Page 1

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 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, Monday through Saturday excluding NERC Holidays) 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 ICE Mid-C Peak weighted average index price, as published by ICE in the ICE Day Ahead Power Price Report, and the result will be multiplied by the following factors to derive hourly prices.</p> <table border="0"> <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: _____, 2015

OATT Schedule 09 – Sixth 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 Monday through Saturday and all day Sunday 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 ICE Mid-C Off-Peak weighted average index price, as published by ICE in the ICE Day Ahead Power Price Report.</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>
<p>Taxes</p>	<p>The Rate and Charges contained herein are exclusive of applicable taxes.</p>

ACCEPTED: _____

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 NERC Holidays) the ICE Mid-C Peak weighted average index price, as published by ICE in the ICE Day Ahead Power Price Report , 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 and all day Sunday and NERC Holidays) the ICE Mid-C Off-Peak weighted average index price, as published by ICE in the ICE Day Ahead Power Price Report , net of transmission losses, from the last day available as of 17:00:00 of each current day.

ACCEPTED: _____

ORDER NO. _____

 COMMISSION SECRETARY

BC Hydro

Open Access Transmission Tariff

Effective: ~~13 September~~ 2013 ~~2015~~OATT Schedule 06 – ~~First~~ Second Revision of Page 2**Schedule 06 – Energy Imbalance Service (continued)**

Energy Imbalance	<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"> 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. 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. 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. 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. <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>
Rate	<p>"BC Hydro's hourly buy price" for energy received is equal to the Platts ICE Mid-C Off-Peak weighted average index price, as published by ICE in the ICE Day Ahead Power Price Report Firm off-peak (LLH) Daily Index Price, 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 Platts Mid-C Firm Sunday and NERC Holidays Daily Index Price, less the wheeling rate from B.C. U.S. Border to Mid-C. If a BC Hydro system spill occurs</p>

ACCEPTED: _____

ORDER NO. _____

COMMISSION SECRETARY

BC Hydro

Open Access Transmission Tariff

Effective: ~~13 September~~ 2013~~2015~~

OATT Schedule 06 – ~~First~~ Second Revision of Page 3

<p>during the month, the buy price for all hours of the month will be zero.</p> <p>“BC Hydro's hourly” sell price for energy provided during High Load Hours (HLH are hours ending 0700 to 2200, <u>Monday through Saturday excluding NERC Holidays</u>) is set hourly as follows:</p> <p>BPA's Mid-C to U.S.-B.C. Border wheeling rate will be added to the Platts ICE Mid-C Peak weighted average index price, as published by ICE in the ICE Day Ahead Power Price Report Firm on peak (HLH) Daily Index Price and the result will be multiplied by the following factors to derive hourly prices.</p> <table border="0"> <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, <u>Monday through Saturday and all day Sunday and NERC Holidays</u>) is equal to the Platts ICE Mid-C Off-Peak weighted average index price, as published by ICE in the ICE Day Ahead Power Price Report Firm off-peak (LLH) Daily Index Price, 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 Platts Mid-C Firm Sunday and NERC Holidays Daily Index Price, 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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ACCEPTED: _____

ORDER NO. _____

COMMISSION SECRETARY

BC Hydro

Open Access Transmission Tariff

Effective: ~~13 September~~ _____ ~~2013~~2015

OATT Schedule 06 – ~~First~~Second Revision of Page 4

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

BC Hydro

Open Access Transmission Tariff

Effective: ~~September 13~~, 2013 ~~2015~~OATT Schedule 09 – ~~Fifth~~ Sixth Revision of Page 1**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, <u>Monday through Saturday excluding NERC Holidays</u>) 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 Platts ICE <u>ICE Mid-C Peak weighted average index price, as published by ICE in the ICE Day Ahead Power Price Report, 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"> <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: ~~September 13~~, 20132015

OATT Schedule 09 – ~~Fifth~~Sixth 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 <u>Monday through Saturday and all day Sunday and NERC Holidays</u>) 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 Platts ICE Mid-C Off-Peak weighted average index price, as published by ICE in the ICE Day Ahead Power Price Report <u>Firm off-peak (LLH) Daily 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 Platts Mid-C Firm Sunday and NERC Holidays Daily Index Price.</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.

ACCEPTED: _____

ORDER NO. _____

COMMISSION SECRETARY

BC Hydro

Tariff Supplements

Effective: ~~April 18~~, 2013~~2015~~

Tariff Supplement No. 80

~~Second~~Third Revision of Page 1 of 2**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 ~~Platts~~ICE Mid-C Peak weighted average index price, as published by ICE in the ICE Day Ahead Power Price Report 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~~); Monday to Saturday; all day Sunday; and all US NERC Holidays: the ~~Platts~~ICE Mid-C Off-Peak weighted average index price, as published by ICE in the ICE Day Ahead Power Price Report Firm-off-peak (LLH) Daily Index Price, net of transmission losses, from the last day available as of 17:00:00 of each current day.

ACCEPTED: _____

ORDER NO. _____

COMMISSION SECRETARY

**Electric Tariff and Open Access Transmission Tariff
Application to Replace Mid Columbia
Electricity Price Indices**

Appendix C

**Email/Bulletin to Affected Customers
and Interested Parties**

Application to Replace Platts Mid Columbia Indices

BC Hydro advises that it intends to file an Application with the British Columbia Utilities Commission for approval of amendments to BC Hydro's Electric Tariff and OATT to discontinue the use of the Platts, McGraw Hill Financial (Platts) U.S. Electricity Price Indices that are used to calculate certain rates under each of the tariffs (Application). In the Application, BC Hydro proposes that all references to the Platts Mid Columbia (Mid C) Electricity Price Indices for high load hours (HLH), low load hours (LLH) and Sundays and North American Electric Reliability Corporation (NERC) holidays be replaced with the equivalent index published by the Intercontinental Exchange (ICE) index. The rate schedules and tariff supplements to be amended are as follows:

Electric Tariff:

- RS 1253 – Distribution Service – IPP Station Service
- RS 1853 – Transmission Service – IPP Station Service
- TS 54 Modified Demand Agreement – RS 1852

OATT:

- RS 06 – Energy Imbalance Service
- RS 09 – Loss Compensation Service (LCS)
- TS 80 – Network Economy

BC Hydro will endeavor to address any comments received from interested parties up to close of business on January 30, 2015. Comments can be submitted by email to bchydroregulatorygroup@bchydro.com.

Black-lined versions of affected tariff pages can be accessed at the following links:

1. [Electric Tariff](#)
2. [OATT](#)

**Electric Tariff and Open Access Transmission Tariff
Application to Replace Mid Columbia
Electricity Price Indices**

Appendix D

Draft Order

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VANCOUVER, BC V6Z 2N3 CANADA
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**BRITISH COLUMBIA
UTILITIES COMMISSION**

**ORDER
NUMBER** G-

TELEPHONE: (604) 660-4700
BC TOLL FREE: 1-800-663-1385
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IN THE MATTER OF
the Utilities Commission Act, R.S.B.C. 1996, Chapter 473

and

Application by British Columbia Hydro and Power Authority (BC Hydro)
to Replace Mid Columbia Electricity Price Indices
in the Electric Tariff and Open Access Transmission Tariff

BEFORE:

, 2015

ORDER

WHEREAS:

- A. On February 27, 2015, British Columbia Hydro and Power Authority (BC Hydro), pursuant to sections 58 to 61 of the *Utilities Commission Act*, submitted an application (Application) to the British Columbia Utilities Commission (Commission) for approval to amend the Electric Tariff and the Open Access Transmission Tariff (OATT) to replace references to the use of electricity price indices published by Platts, McGraw Hill Financial (Platts) and with equivalent indices published by Intercontinental Exchange Inc. (ICE). The proposed amendments include:
- Replacing references to Mid-Columbia (Mid-C) indices published by Platts with references to equivalent indices published by ICE in Rate Schedule (RS) 1253, RS 1853 and Tariff Supplement (TS) 54 of the Electric Tariff; and
 - Replacing references to Mid-C indices published by Platts with references to equivalent indices published by ICE in RS 06, RS 09 and TS 80 of the OATT.
- B. The Commission has reviewed the Application and finds approval of the Application is warranted.

BRITISH COLUMBIA UTILITIES COMMISSION	
ORDER NUMBER	G-

2

NOW THEREFORE pursuant to sections 58 to 61 of the *Utilities Commission Act* the Commission, orders as follows:

1. The amendments to the Electric Tariff and the OATT as described in BC Hydro's Application dated February 27, 2015 are approved.
2. BC Hydro must post a bulletin of this Order on its transmission website and must send a copy of this Order and Application to all its affected Electric Tariff and OATT customers and those who received the Application within 30 days.
3. BC Hydro must file the amended pages of the Electric Tariff and OATT with the Commission, in accordance with the terms of this Order, within 30 days, or advise the Commission of its compliance filing date in the event a 30-day period cannot be achieved.

DATED at the City of Vancouver, in the Province of British Columbia, this day of , 2015.

BY ORDER