

## **POSTING OF TRANSMISSION SERVICE OFFERINGS**

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### **1.0 OVERVIEW**

BC Hydro's [Open Access Transmission Tariff](#) (OATT) requires that all transmission service requests be made on BC Hydro's OASIS (Open Access Same-Time Information System). For information on how to register and be enabled on BC Hydro's OASIS, refer to BC Hydro's OATT Business Practice on *Becoming a BC Hydro Transmission Customer*.

These Business Practices provide clarification of the rules, standards and practices used by BC Hydro to implement its OATT. While the terms of BC Hydro's OATT and these Business Practices govern, customers should also refer to the NAESB WEQ Business Standards, and WECC Regional Criteria, which BC Hydro has followed in most, but not all, respects. BC Hydro also complies with the Mandatory Reliability Standards adopted by the BCUC.

### **2.0 VALID PATH NAME AND POR/POD (Point of Receipt/Point of Delivery) COMBINATIONS**

OASIS will only accept Transmission Service Requests (TSRs) that have a valid POR and POD combination for the BC Hydro transmission system.

Transmission Customers should validate that its source and/or sink is registered in NAESB's webRegistry. Transmission Customers need to verify with [BC Hydro Wholesale Market Services](#) that its source and/or sink is linked to a valid BC Hydro POR and/or POD. If a new POR and/or POD is to be added, BC Hydro will register the appropriate POR and/or POD in the webRegistry and OASIS. This will take approximately 1 week. BC Hydro will advise the Transmission Customer once the above steps are complete.

Table 1 below provides the valid Path Name and POR/POD combinations on the BC Hydro System.

**Table 1: Valid Path Name and POR/POD Combinations on the BC Hydro System**

Path Name	POR	POD
<b>BC – US</b>		
W/BCHA/BCHA – BPAT/KI – BC.US.BORDER/	KI	BC.US.BORDER
W/BCHA/BCHA – BPAT/GMS.MCA.REV – BC.US.BORDER	GMS.MCA.REV	BC.US.BORDER
W/BCHA/BCHA – BPAT/BCHA.INT.SYS – BC.US.BORDER/	BCHA.INT.SYS	BC.US.BORDER
W/BCHA/BCHA – BPAT/BCHA.LM.SYS – BC.US.BORDER/	BCHA.LM.SYS	BC.US.BORDER
W/BCHA/BCHA – BPAT/POWELL.RIVER – BC.US.BORDER	POWELL.RIVER	BC.US.BORDER
<b>BC – AB</b>		
W/BCHA/BCHA – AESO/KI – AB.BC/	KI	AB.BC
W/BCHA/BCHA – AESO/GMS.MCA.REV – AB.BC/	GMS.MCA.REV	AB.BC
W/BCHA/BCHA – AESO/BCHA.INT.SYS – AB.BC/	BCHA.INT.SYS	AB.BC
W/BCHA/BCHA – AESO/BCHA.LM.SYS – AB.BC/	BCHA.LM.SYS	AB.BC
W/BCHA/BCHA – AESO/POWELL.RIVER – AB.BC/	POWELL.RIVER	AB.BC
<b>AB – BC</b>		
W/BCHA/AESO – BCHA/AB.BC – KI/	AB.BC	KI
W/BCHA/AESO – BCHA/AB.BC – FBC.LAM.LD/	AB.BC	FBC.LAM.LD
W/BCHA/AESO – BCHA/AB.BC – BCHA.INT.SYS/	AB.BC	BCHA.INT.SYS
W/BCHA/AESO – BCHA/AB.BC – FBC.PRI.LD/	AB.BC	FBC.PRI.LD
W/BCHA/AESO – BCHA/AB.BC – BCHA.LOSSES/	AB.BC	BCHA.LOSSES
W/BCHA/AESO – BCHA/AB.BC – FBC.OK.LD/	AB.BC	FBC.OK.LD
W/BCHA/AESO – BCHA/AB.BC – BCHA.NTWK.LD/	AB.BC	BCHA.NTWK.LD
W/BCHA/AESO – BCHA/AB.BC – BCHA.SEL.LD/	AB.BC	BCHA.SEL.LD
<b>AB – US</b>		
W/BCHA/AESO – BPAT/AB.BC – BC.US.BORDER	AB.BC	BC.US.BORDER
<b>US – BC</b>		
W/BCHA/BPAT – BCHA/BC.US.BORDER – KI	BC.US.BORDER	KI
W/BCHA/BPAT – BCHA/BC.US.BORDER – BCHA.INT.SYS/	BC.US.BORDER	BCHA.INT.SYS
W.BCHA/BPAT – BCHA/BC.US.BORDER – BCHA.LOSSES/	BC.US.BORDER	BCHA.LOSSES
W/BCHA/BPAT – BCHA/BC.US.BORDER – BCHA.NTWK.LD/	BC.US.BORDER	BCHA.NTWK.LD
W/BCHA/BPAT – BCHA/BC.US.BORDER – FBC.LAM.LD/	BC.US.BORDER	FBC.LAM.LD
W/BCHA/BPAT – BCHA/BC.US.BORDER – FBC.OK.LD	BC.US.BORDER	FBC.OK.LD
W/BCHA/BPAT – BCHA/BC.US.BORDER – FBC.PRI.LD	BC.US.BORDER	FBC.PRI.LD
<b>US – AB</b>		
W/BCHA/BPAT – AESO/BC.US.BORDER – AB.BC	BC.US.BORDER	AB.BC

**Table 1: Valid Path Name and POR/POD Combinations on the BC Hydro System (Cont'd)**

Path Name	POR	POD
BC – BC		
W/BCHA/BCHA – BCHA/KI – FBC.OK.LD/	KI	FBC.OK.LD
W/BCHA/BCHA – BCHA/KI – FBC.LAM.LD/	KI	FBC.LAM.LD
W/BCHA/BCHA – BCHA/KI – FBC.PRI.LD/	KI	FBC.PRI.LD
W/BCHA/BCHA – BCHA/KI – BCHA.NTWK.LD/	KI	BCHA.NTWK.LD
W/BCHA/BCHA – BCHA/KI – BCHA.INT.SYS/	KI	BCHA.INT.SYS
W/BCHA/BCHA – BCHA/KI – BCHA.LOSSES/	KI	BCHA.LOSSES
W/BCHA/BCHA – BCHA/BCHA.INT.SYS – KI/	BCHA.INT.SYS	KI
W/BCHA/BCHA – BCHA/GMS.MCA.REV – KI/	GMS.MCA.REV	KI
W/BCHA/BCHA – BCHA/POWELL.RIVER – KI/	POWELL.RIVER	KI
W/BCHA/BCHA – BCHA/BCHA.INTRNL – BCHA.NTWK.LD	BCHA.INTRNL	BCHA.NTWK.LD

**Notes to Table 1:**

1. BCHA.NTWK.LD is only available to BC Hydro for network service from designated/ non-designated resources.
2. PODs that have a suffix of “.LD” are to be used to serve load.
3. Pursuant to Attachment Q-4 of BC Hydro’s OATT, Mixed Class Wheelthrough service is available on the US – AB path only. It is posted and must be purchased on OASIS as Mixed Class Wheelthrough. The POR is BC.US.BORDER and the POD is AB.BC. The purchased Mixed Class Wheelthrough service will be of equal amount and duration: (1) a Firm service on the US – BC path; and (2) a Non-Firm service on the BC – AB path.
4. Transmission Customers combining an import and export path to make a wheelthrough must use BCHA.INT.SYS as the POD and then POR. For example, BCHA.INT.SYS as POD for the AB – BC portion and POR for the BC – US portion. The Transmission Customer will be charged for two separate transmission reservations.
5. BCHA.LOSSES POD is to be used for the delivery of energy losses.
6. Transmission Customers wishing to utilize internal BC paths to/from the FBC service territory must submit an OASIS request to book the transmission and submit an energy schedule.

### 3.0 PRICING

All Offer Prices are in CDN \$.

#### 3.1 Long Term Firm Point-to-Point (LTFPTP) Transmission Service

The price for LTFPTP transmission service is defined in Rate Schedule 01 of BC Hydro's OATT.

#### 3.2 Short Term Point-to-Point (STPTP) Transmission Service

The price for STPTP Firm and Non-Firm transmission service to a load serving point within BC will be the maximum price as defined in Rate Schedule 01 of BC Hydro's OATT.

Refer to Table 2, in Section 3.3 for further details of pricing per Path and POR/POD combination.

For export and wheel-through transmission services, the price for STPTP Firm and Non-Firm transmission service is:

- 1) for hourly delivery:
  - i. \$3/MW per hour in Heavy Load Hour period (06:00-22:00, Monday – Saturday, excluding NERC holidays);
  - ii. \$1/MW per hour in Light Load Hour period (remaining hours and days, including NERC holidays).
- 2) for daily delivery :
  - i. \$56/MW per day (Monday – Saturday, excluding NERC holidays) and \$24 /MW per day (Sunday and NERC holidays);
  - ii. daily price will be adjusted for Daylight Savings Time change.
- 3) for weekly delivery: the maximum weekly price as defined in Rate Schedule 01 of BC Hydro's OATT.
- 4) for monthly delivery: the maximum monthly price as defined in Rate Schedule 01 of BC Hydro's OATT.

### 3.3 Ancillary Services

Rate Schedules 03 through 09 of BC Hydro’s OATT define the pricing of BC Hydro Ancillary Services.

#### 3.3.1 Loss Compensation

For customers that financially settle for energy losses, BC Hydro posts on OASIS an estimate of the Loss Compensation charge (according to Rate Schedule 09 of BC Hydro’s OATT) for that day. A forecast of the Loss Compensation charges is also posted with the Transmission Customer’s daily settlement report. Actual Loss Compensation charges are finalized on the Transmission Customer’s Monthly invoice and settlement details. Refer to BC Hydro’s OATT Business Practice on *Settlements and Billing* for further details.

Table 2 below summarizes the Pricing for each path and POR/POD combination on the BC Hydro system. “M” indicates the maximum tariff price and “D” indicates the discounted tariff price as defined in Rate Schedule 01 of BC Hydro’s OATT.

**Table 2: Pricing for BC Hydro’s Transmission Paths**

Path Name	Price
BC – US	
W/BCHA/BCHA – BPAT/KI – BC.US.BORDER/	D
W/BCHA/BCHA – BPAT/GMS.MCA.REV – BC.US.BORDER	D
W/BCHA/BCHA – BPAT/BCHA.INT.SYS – BC.US.BORDER/	D
W/BCHA/BCHA – BPAT/BCHA.LM.SYS – BC.US.BORDER/	D
W/BCHA/BCHA – BPAT/POWELL.RIVER – BC.US.BORDER	D
BC – AB	
W/BCHA/BCHA – AESO/KI – AB.BC/	D
W/BCHA/BCHA – AESO/GMS.MCA.REV – AB.BC/	D
W/BCHA/BCHA – AESO/BCTC.INT.SYS – AB.BC/	D
W/BCHA/BCHA – AESO/BCHA.LM.SYS – AB.BC/	D
W/BCHA/BCHA – AESO/POWELL.RIVER – AB.BC/	D
AB – BC	
W/BCHA/AESO – BCHA/AB.BC – KI/	M
W/BCHA/AESO – BCHA/AB.BC – FBC.LAM.LD/	M
W/BCHA/AESO – BCHA/AB.BC – BCHA.INT.SYS/	M
W/BCHA/AESO – BCHA/AB.BC – FBC.PRI.LD/	M
W/BCHA/AESO – BCHA/AB.BC – BCHA.LOSSES/	M
W/BCHA/AESO – BCHA/AB.BC – FBC.OK.LD/	M
W/BCHA/AESO – BCHA/AB.BC – BCHA.NTWK.LD/	M
W/BCHA/AESO – BCHA/AB.BC – BCHA.SEL.LD/	M

**Table 2: Pricing for BC Hydro’s Transmission Paths (Cont’d)**

Path Name	Price
AB – US	
W/BCHA/AESO – BPAT/AB.BC – BC.US.BORDER	D
US – BC	
W/BCHA/BPAT – BCHA/BC.US.BORDER – KI	M
W/BCHA/BPAT – BCHA/BC.US.BORDER – BCHA.INT.SYS/	M
W.BCHA/BPAT – BCHA/BC.US.BORDER – BCHA.LOSSES/	M
W/BCHA/BPAT – BCHA/BC.US.BORDER – BCHA.NTWK.LD/	M
W/BCHA/BPAT – BCHA/BC.US.BORDER – FBC.LAM.LD/	M
W/BCHA/BPAT – BCHA/BC.US.BORDER – FBC.OK.LD	M
W/BCHA/BPAT – BCHA/BC.US.BORDER – FBC.PRI.LD	M
US – AB	
W/BCHA/BPAT – AESO/BC.US.BORDER – AB.BC	D
BC – BC	
W/BCHA/BCHA – BCHA/KI – FBC.OK.LD/	M
W/BCHA/BCHA – BCHA/KI – FBC.LAM.LD/	M
W/BCHA/BCHA – BCHA/KI – FBC.PRI.LD/	M
W/BCHA/BCHA – BCHA/KI – BCHA.INT.SYS/	M
W/BCHA/BCHA – BCHA/KI – BCHA.LOSSES/	M
W/BCHA/BCHA – BCHA/KI – BCHA.NTWK.LD/	M
W/BCHA/BCHA – BCHA/GMS.MCA.REV – KI/	M
W/BCHA/BCHA – BCHA/BCHA.INT.SYS – KI/	M
W/BCHA/BCHA – BCHA/POWELL.RIVER – KI/	M
W/BCHA/BCHA – BCHA/BCHA.INTRNL – BCHA.NTWK.LD	M

**Note to Table 2:**

BC Hydro and FortisBC have adopted (as directed pursuant to BCUC Order G-12-99) the harmonization of transmission wheeling rates. Such harmonization eliminates rate “pancaking” between the two utility service areas by using a “license plate” approach whereby a transmission service rate customer within BC is only charged for wheeling by the utility within whose service area the customer is located. Rate harmonization is meant to mimic a transmission reservation as if it were on a single transmission system and charged one Point-to-Point Transmission Service rate. A transmission customer will need to demonstrate to BC Hydro, with a BC Hydro TSR, that its POD at a FortisBC POI is associated with an equivalent PTP reservation to a FortisBC TSR POD located in FortisBC’s service territory to receive \$0 rate per BC Hydro OATT Schedule 01. BC Hydro defines an equivalent PTP reservation as having the same class (firm or non-firm), service increment (hourly, daily, weekly, monthly, yearly), and volume on both the BC Hydro and FortisBC’s transmission reservations. In addition, the POD on the delivering utility must match the POR on the receiving utility as demonstrated by the Transmission Customer with the TSR on each utility’s OASIS.

The Transmission Customer requesting rate harmonization is required to provide a summary of the approved reservation(s) information on both utility's transmission systems to BC Hydro within the same billing month that the Transmission Customer is seeking \$0 rate. Information required to be provided includes, but is not limited to:

- the name of the Transmission Customer,
- the TSR AREF(s) (transmission reservation assigned reference number),
- the class of transmission purchased,
- the service increment of the transmission service,
- the POR and POD,
- the volume, and
- the term

If FortisBC does not have an OASIS to enable the Transmission Customer to provide evidence of a TSR, the Transmission Customer must provide to BC Hydro a copy of the agreement for service between FortisBC and the Transmission Customer, or other evidence acceptable to BC Hydro acting reasonably, that shows that the service contracted for on the FortisBC transmission system meets the equivalency requirements set out in this Business Practice.

TSR resales are not eligible for rate harmonization.

Ancillary Services will be charged by each utility independently based on the reserved capacity for these reservations.

#### **4.0 POSTING OF TOTAL TRANSFER CAPACITY (TTC) AND AVAILABLE TRANSFER CAPACITY (ATC)**

BC Hydro posts TTC and ATC for each Path and POR/POD combination on OASIS. Refer to BC Hydro's OATT Business Practice on *TTC/ATC* for information on how BC Hydro calculates and determines TTC/ATC for a Path and POR/POD combination.

Updates or changes to TTC and ATC are posted immediately to OASIS. TTC and ATC are posted for current month plus 12 months on OASIS. Transmission Customers are subject to the TSR submission timelines as referenced in BC Hydro's OATT Business Practices on *Submitting a Short Term Transmission Request and Submitting a Long Term Firm Transmission Service Request*.

##### **4.1 Release of Unused Firm Transmission Capacity in Real Time**

At the top of the hour, 1 hour before the start of the next delivery hour, unscheduled Firm PTP transmission capacity, including ATC from Redirects, is released and posted on OASIS as Hourly Non-Firm PTP transmission service for the appropriate path and POR/POD combination.

Transmission reservations purchasing unused Firm capacity shall be considered an Economic purchase. Refer to BC Hydro's OATT Business Practice on *Curtailments of Transmission and Energy* with regards to Economic Interruption.

**Document Change History**

<b>Issue</b>	<b>Reason for Issue</b>	<b>Date</b>
7	Clarified <i>Note to Table 2</i> regarding “equivalent PTP reservation.”	February 22, 2019
6	Clarified requirement for customer to receive \$0 rate per OATT Schedule 01 under rate harmonization provision. Updated overview.	October 20, 2016
5	Updated current language.	December 9, 2013
4	Finalized language about Firm to Non-Firm Redirect ATC as postback.	May 10, 2013
3	Included language about Firm to Non-Firm Redirect ATC as postback.	April 17, 2013
2	Corrected typos.	June 23, 2011
1	Updated procedures to align with new BC Hydro scheduling system. Previously Business Practice 3, 4 and 5.	November 1, 2010

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