

Evaluation of Conditional Firm Service (CFS)

AREFs: 102007084 and 102007085

On the AB.BC to BC.US.BORDER Path

SCOPE

Pursuant to BC Hydro OATT Section 19, The following Long-Term Firm Point-to-Point (LTFFTP) transmission service requests (TSRs) have been studied:

ARef	POR	POD	MW	Start Time	Stop Time	Duration
102007084	AB.BC	BC.US.BORDER	50	2025-01-01	2027-01-01	2 years (no rollover rights)
102007085	AB.BC	BC.US.BORDER	50	2025-01-01	2030-01-01	5 years (with rollover rights)

PROCESS

BC Hydro adapted the methodology in *British Columbia Transmission Corporation (BCTC) Application to Amend the Open Access Transmission Tariff (OATT)* section 3.4.3, dated November 21, 2008¹, to determine the availability of CFS that can be offered to the Transmission Service Requests (TSRs) included in this study. The evaluation process has the following steps:

1. Identify the segments that make up the AB.BC to BC.UC.BORDER Path on OASIS; there are three:
 - o AESO-BCHA
 - o BCHA-LM
 - o LM-BPAT
2. For each segment, obtain the information that computes monthly firm ATC between June 2024 and May 2025 from OASIS
3. Where appropriate, each segment's monthly firm ATC values are adjusted to reflect Long Term circumstances, accounting for
 - o Planned outages and anomalies that do not impact the TSRs' active periods.
 - o Where appropriate, removing existing STFFTP Transmission Reservations that do not impact the TSRs' active periods.
4. The monthly firm ATC for CFS for the path is determined by the minimum ATC of the three segments for each month.
5. The path's monthly firm ATC for CFS that can be offered, before load growth adjustments, are then determined by assuming that the results from Step 4 is valid for all years of this study and then adjusted by:
 - o Confirmed LTFFTP service agreements from all LTFFTP customers that will be active during the TSRs' active periods, and assuming that these service agreements will rollover, as applicable.
 - o Assuming the full amount of LTFFTP Transmission Service (full or partial service) that results from the System Impact Study will become executed LTFFTP Service Agreements.
6. Extrapolation is then performed to project ATC for CFS to December 31, 2034 by accounting for domestic load growth. That is, the outcome from step 5 will be changed using load growth factors from BC Hydro's April 2023 Reference Integrated System Peak Demand After DSM and Rate Impacts (see Attachment A).
7. Adjust January 2025 ATC for CFS value due to confirmed Short-Term Firm Point-to-Point reservations that impact the ATC on the AB.BC to BC.US.BORDER path; note that this is only a one-month adjustment and is not carried forward into future months.

¹ https://docs.bccub.com/Documents/Proceedings/2008/DOC_20466_B1-1_BCTC-AmendingOATT-Application.pdf

OUTCOMES

Assuming EPCR accepts a Service Agreement for 30 MW of LTFPTP for 102007084 as determined by the accompanying System Impact Study, and 100% utilization for existing LTFPTP reservations, the projected monthly ATC for CFS (MW) is as follows:

	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034
Jan		Nil	142	172	171	205	203	203	203	202	201
Feb		142	142	172	171	205	203	203	203	202	201
Mar		142	142	172	171	205	203	203	203	202	201
Apr*		142	142	172	173	205	205	204	203	202	201
May		142	142	172	173	205	205	204	203	202	201
Jun	205	142	142	172	173	205	205	204	203	202	201
Jul	205	142	142	172	173	205	205	204	203	202	201
Aug	205	142	142	172	173	205	205	204	203	202	201
Sep	205	142	142	172	173	205	205	204	203	202	201
Oct	172	142	142	172	173	205	205	204	203	202	201
Nov	172	142	142	172	173	205	205	204	203	202	201
Dec	172	142	142	172	173	205	205	204	203	202	201

*Fiscal year is April to March.

RESULTING OFFER

Pertaining to BC Hydro OATT Section 13.2a, *Long Term Firm Point-to-Point Transmission Service shall be available on a first-come, first-served basis; i.e. in the chronological sequence in which each Transmission Customer has reserved service if available transfer capability is insufficient to satisfy all requests and reservations.*

Given the results from the System Impact Study and the Evaluation of CFS, BC Hydro (Transmission Provider) will tender the following Service Agreement for TSR 102007084. Note that All CFS Service Agreements are subject to amendment from Biennial Reassessments.

A second Service Agreement may be tendered for TSR 102007085 after the process for TSR 102007084 has concluded.

AREF	Offers	Rollover Amounts (Max MW)
102007084	30 MW of LTFPTP 20 MW of CFS	Not applicable
102007085	May be tendered after the process for TSR 102007084 is concluded	

*To administer CFS, the Transmission Customer will create a new TSR with the same attributes as **AREF 102007084**, with the exception of 20 MW as the requested capacity.

ATTACHMENT A

Projected growth rate for integrated system demand, used as reduction factors for modelling ATC for CFS, referenced from BC Hydro's April 2023 Reference Integrated System Peak Demand After DSM and Rate Impacts:

Fiscal Year (Month Range)	Annual Growth Rate (reduction factors)
F2026 (April 2025 to March 2026)	0.13%
F2027 (April 2026 to March 2027)	-0.27%
F2028 (April 2027 to March 2028)	0.45%
F2029 (April 2028 to March 2029)	-0.36%
F2030 (April 2029 to March 2030)	0.73%
F2031 (April 2030 to March 2031)	-0.02%
F2032 (April 2031 to March 2032)	0.34%
F2033 (April 2032 to March 2033)	0.30%
F2034 (April 2033 to March 2034)	0.47%
F2035 (April 2034 to March 2035)	0.51%
F2036 (April 2035 to March 2036)	0.60%