

## Applicability

1 Rate FTS of the **ISO tariff**, *Fort Nelson Demand Transmission Service*, applies to **system access service** provided at the **point of delivery** to BC Hydro at Fort Nelson, British Columbia.

## Rate

2 The **ISO** must determine the charge under Rate FTS in a **settlement period** in accordance with subsections 3 through 7 below as the sum of the connection charge, the **operating reserve** charge, the **transmission constraint rebalancing** charge, the voltage control charge and the other system support services charge.

## Connection Charge

3(1) The **ISO** must determine the connection charge as the sum, over all rows, of the products calculated by multiplying the volume and charge in each row (a) through (d) of the following table.

Volume in <b>Settlement Period</b>	Charge
Bulk System Charge	
(a) Coincident <b>metered demand</b>	\$10,840.00/MW/month
(b) <b>Metered energy</b>	\$1.18/MWh
Regional System Charge	
(c) <b>Billing capacity</b>	\$2,844.00/MW/month
(d) <b>Metered energy</b>	\$0.90/MWh

3(2) The **ISO** must determine the coincident **metered demand** as the **metered demand** at the **point of delivery** averaged over the 15-minute interval in which the sum of the **metered demands** for all Rate DTS of the **ISO tariff**, *Demand Transmission Service*, and Rate FTS **market participants** is greatest in the **settlement period**.

3(3) The **ISO** must determine the rate for the regional system charge in subsections 3(1)(c) and (d) above as the greater of:

- (a) the rate for the regional system charge in subsections 3(1)(c) and (d) of Rate DTS; or
- (b) a specific Fort Nelson rate based on the levelized cost of the original ATCO Electric line providing service to Fort Nelson.

## Operating Reserve Charge

4(1) The **ISO** must determine the **operating reserve** charge as the sum, over all hours in the **settlement period**, of the amount calculated in each hour as the product of:

- (a) **metered energy** for the Rate FTS **market participant** in the hour; and
- (b) the total cost of **operating reserves** in the hour divided by the total **metered energy** for all Rate DTS and Rate FTS **market participants** in the hour.

**4(2)** The **ISO** must estimate the **operating reserve** charge, if unable to determine it for a **settlement period** in accordance with subsection 4(1) above, as the sum, over all hours in the **settlement period**, of the amount calculated in each hour as the product of:

- (a) **metered energy** for the Rate FTS **market participant** in the hour; and
- (b) **pool price** in the hour multiplied by 5.18%.

### Transmission Constraint Rebalancing Charge

**5** The **ISO** must determine the **transmission constraint rebalancing** charge as the sum, over all hours in the **settlement period**, of the amount calculated in each hour as the product of:

- (a) **metered energy** for the Rate FTS **market participant** in the hour; and
- (b) the total cost of **transmission constraint rebalancing** payments in the hour divided by the total **metered energy** for all Rate DTS and Rate FTS **market participants** in the hour.

### Voltage Control Charge

**6** The **ISO** must determine the voltage control charge as the sum of:

- (a) the product of **metered energy** in the **settlement period** multiplied by \$0.09/MWh; and
- (b) the sum, over all hours in the **settlement period** in which Rainbow area load exceeds 145 MW and transmission must-run generation is required in the Rainbow area, of the cost associated with transmission must-run generation in the Rainbow area in an hour multiplied by the ratio in the hour of:
  - (i) Fort Nelson load in excess of 38.5 MW; to
  - (ii) the sum of Fort Nelson load in excess of 38.5 MW and Alberta Rainbow area load (excluding Fort Nelson load) in excess of 106.5 MW.

### Other System Support Services Charge

**7** The **ISO** must determine the other system support services charge as the sum of:

- (a) the highest **metered demand** in the **settlement period** multiplied by \$24.00/MW/month; and
- (b) when **power factor** is less than 90% during the interval of highest **metered demand** in the **settlement period**, \$400.00/MVA multiplied by the **apparent power** difference calculated during the interval of highest **metered demand** in the **settlement period** as the difference between the metered **apparent power** and 111% of **metered demand**, unless the **ISO** waived the application of such a charge prior to December 31, 2016.

### Terms

**8(1)** BC Hydro must, if it terminates the **system access service** provided under this rate prior to the full payment of the levelized cost of the original ATCO Electric line providing service to Fort Nelson under subsection 3(3)(b) above, pay the amount the **ISO** determines as the remaining unpaid balance of those costs net of any residual value, in addition to any **financial obligations** under section 5 of the **ISO tariff**, *Changes to System Access Service*.

**8(2)** The **ISO** must apply Rider C of the **ISO tariff**, *Deferral Account Adjustment Rider*, to **system access service** provided under this rate.

**8(3)** The terms and conditions of the **ISO tariff** form part of this rate.

## Revision History

Effective	Description
2023-01-01	Updated charges, as approved in <b>Commission</b> Decision 27777-D01-2020 issued on December 21, 2022.
2022-01-01	Updated charges as approved on a final basis in <b>Commission</b> Decision 26980-D01-2021 issued on December 17, 2021.
2021-01-01	Updated charges, as approved in <b>Commission</b> Decision 26054-D01-2020 issued on December 18, 2020.
2020-04-01	Updated charges as approved on an interim refundable basis in <b>Commission</b> Decision 25175-D01-2020 issued February 28, 2020 and revised Other System Support Services Charge waiver, as approved on a final basis in <b>Commission</b> Decision 25175-D02-2020 issued on November 30, 2020.
2019-01-01	Updated charges, as approved in <b>Commission</b> Decision 24036-D01-2018 issued on December 18, 2018.
2018-01-01	Updated charges, as approved in <b>Commission</b> Decision 23065-D01-2017 issued on November 28, 2017.
2017-01-01	Updated charges, as approved on an interim refundable basis in <b>Commission</b> Decision 22093-D01-2016 issued on December 2, 2016 and on a final basis in <b>Commission</b> Decision 22093-D02-2017 on April 4, 2017.
2016-04-01	Updated charges, as approved in <b>Commission</b> Decision 21302-D01-2016 issued on March 31, 2016.
2016-01-01	Updated charges, as approved in <b>Commission</b> Decision 20753-D02-2015 issued on December 21, 2015.
2015-11-26	Updated subsections and charges, as approved in <b>Commission</b> Decision 20623-D01-2015 issued on November 5, 2015.
2015-07-01	Updated subsections and charges, as approved in <b>Commission</b> Decision 3473-D01-2015 issued on June 17, 2015.
2013-10-01	Updated charges, as approved on an interim refundable basis in <b>Commission</b> Decision 2013-325 issued on August 28, 2013 and on a final basis in <b>Commission</b> Decision 2014-242 issued on August 21, 2014
2011-07-01	Revised and reformatted all subsections, as approved in <b>Commission</b> Decision 2011-275 issued on June 24, 2011.