

### Applicability

1 Rate DTS of the **ISO tariff**, *Demand Transmission Service*, applies to **system access service** provided at a **point of delivery** to:

- (a) the **legal owner** of an **electric distribution system**;
- (b) a **person** who has entered into an arrangement directly with the **ISO** for the provision of **system access service** under subsection 101(2) of the **Act**;
- (c) the **legal owner** of an industrial system that has been designated as such by the **Commission**; or
- (d) the City of Medicine Hat.

### Rate

2 The **ISO** must determine the charge under Rate DTS 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 (i) of the following table.

Volume in <b>Settlement Period</b>	Charge
<b>Bulk System Charge</b>	
(a) Coincident <b>metered demand</b>	\$10, <del>501.00</del> <u>840</u> /MW/ <b>month</b>
(b) <b>Metered energy</b>	\$1. <del>45</del> <u>18</u> /MWh
<b>Regional System Charge</b>	
(c) <b>Billing capacity</b>	\$2, <del>775</del> <u>844</u> .00/MW/ <b>month</b>
(d) <b>Metered energy</b>	\$0. <del>87</del> <u>90</u> /MWh
<b>Point of Delivery Charge</b>	
(e) <b>Substation fraction</b>	\$14, <del>332</del> <u>728</u> .00/ <b>month</b>
(f) First (7.5 × <b>substation fraction</b> ) MW of <b>billing capacity</b>	\$4, <del>717</del> <u>847</u> .00/MW/ <b>month</b>
(g) Next (9.5 × <b>substation fraction</b> ) MW of <b>billing capacity</b>	\$2, <del>797</del> <u>875</u> .00/MW/ <b>month</b>

Volume in <b>Settlement Period</b>	Charge
(h) Next (23 × <b>substation fraction</b> ) MW of <b>billing capacity</b>	\$1, <del>873</del> <u>924</u> .00/MW/ <b>month</b>
(i) All remaining MW of <b>billing capacity</b>	\$1, <del>185</del> <u>3</u> .00/MW/ <b>month</b>

**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 and Rate FTS of the ISO tariff, *Fort Nelson Demand Transmission Service*, **market participants** is greatest in the **settlement period**.

### 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 DTS **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 DTS **market participant** in the hour; and
- (b) **pool price** in the hour multiplied by 4.535.18%.

### 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 DTS **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 product of **metered energy** in the **settlement period** multiplied by \$0.~~080~~9/MWh.

### 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)** The **ISO** must apply Rate DTS separately at each **point of delivery**, except where Rate DTS applies to totalized **points of delivery** under subsection 10.3 of the **ISO tariff**, *Settlement and Payment Terms*.

**8(2)** The **ISO** must determine **metered energy** under Rate DTS, in an hour for which a Rate DOS of the **ISO tariff**, *Demand Opportunity Service*, transaction has been approved by the **ISO** at a **point of delivery** where Rate DOS applies, as the sum of:

- (a) **metered energy** up to the Rate DTS **contract capacity**; plus
- (b) any additional **metered energy** determined under subsection 2(2) of Rate DOS.

**8(3)** The **ISO** must apply Rider C of the **ISO tariff**, *Deferral Account Adjustment Rider*, to **system access service** provided under this rate.

**8(4)** The **ISO** must apply Rider F of the **ISO tariff**, *Balancing Pool Consumer Allocation Rider*, to **system access service** provided under this rate.

**8(5)** The terms and conditions of the **ISO tariff** form part of this rate.

## Revision History

Effective	Description
<a href="#">2023-xx-xx</a>	<a href="#">Updated charges, as applied for in the 2023 ISO tariff update application.</a>
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 on a final basis 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 on a final basis approved in <b>Commission</b> Decision 25175-D02-2020.
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.