

ISO Tariff – Rate UFLS Demand Under-Frequency Load Shedding Credit

Applicability

1 Rate UFLS applies to **system access service** provided at a **point of delivery** to a **market participant** who:

- (a) receives **system access service** under Rate DTS, *Demand Transmission Service*; and
- (b) is directed by the **ISO** to install and activate an **underfrequency load shedding** relay satisfactory to the **ISO**.

Underfrequency Load Shedding Capacity Requirements

2(1) The **ISO** may require that a **market participant** maintain a minimum of 50% of its aggregate load, across all **points of delivery** through which the **market participant** receives **system access service** under Rate DTS, connected to an **underfrequency load shedding** device in order to maintain the integrity of the **interconnected electric system**.

(2) The **ISO** must determine the Rate UFLS capacity requirement as the share of the Rate DTS **contract capacity**, in MW, for each relay trip setting specified in subsection 3(2) below for which the **market participant** has agreed to be shed.

(3) The **ISO** may from time to time revise a **market participant's** Rate UFLS capacity requirement to maintain the minimum of 50% of the **market participant's** aggregate load.

(4) The **market participant** must ensure the aggregate Rate UFLS capacity, across all **points of delivery** through which the **market participant** receives **system access service** under Rate DTS, continues to meet a revised Rate UFLS capacity requirement.

Rate

3(1) The **ISO** must determine the **underfrequency load shedding** credit to compensate a **market participant** who has load connected to **underfrequency load shedding** devices and therefore faces a higher risk of **forced outage**.

(2) The **ISO** must calculate the **underfrequency load shedding** credit by multiplying the connected Rate UFLS capacity times the credit level for each relay trip setting in the following table.

Relay Trip Setting	Credit Level (\$/MW of Rate UFLS Capacity/month)
59.1 Hz	\$65.00
58.9 Hz	\$60.00
58.7 Hz	\$55.00
58.5 Hz	\$50.00
58.3 Hz	\$45.00
58.1 Hz	\$40.00

Relay Trip Setting	Credit Level (\$/MW of Rate UFLS Capacity/month)
58.0 Hz	\$35.00

Effect of Non-Compliance

4 The **ISO** may limit, reduce, withhold or terminate **system access service** to a **market participant** to whom Rate UFLS applies if the **market participant** fails to comply with the requirements of Rate UFLS.

Terms

5(1) The **ISO** provides no assurance as to the number or duration of any future **forced outages** due to **underfrequency load shedding**.

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

Revision History

Effective	Description
2015-07-01	Updated subsections, as approved in Commission Decision 3473-D01-2015 issued on June 17, 2015.
2011-07-01	Revised and reformatted all subsections, as approved in Commission Decision 2011-275 issued on June 24, 2011.