



US Department of Energy

Upper Great Plains



Integrated Transmission System (IS)

Network and Point-to-Point (P-t-P) Transmission and Ancillary/Interconnected

Operations Services Rates and Losses

Effective 5/1/2004

Integrated Transmission System Network and Point-to-Point (P-t-P) Rates and Losses

Transmission Service Type	Network Load Ratio Share	Yearly Firm P-t-P	Monthly Firm P-t-P	Weekly Firm P-t-P	Daily Firm P-t-P	Monthly Non-Firm P-t-P	Weekly Non-Firm P-t-P	Daily Non-Firm P-t-P	Hourly Non-Firm P-t-P
Price	\$10,668,160.25/month	\$32,640/Mw Year	\$2,720/Mw Month	\$627.69/Mw Week	\$89.67/Mw Day	\$2,720/Mw Month	\$627.69/Mw Week	\$89.67/Mw Day	\$3.73/Mw Hour
Losses	4% (8)								

Ancillary/Interconnected Operations Services Rates

Service Type	Scheduling, System Control and Dispatch (1)	Reactive Supply and Voltage Control from Generation Sources (2)			Regulation and Frequency Response (3)			
Price	\$49.29 per Schedule per Day	\$60/Mw Month	\$13.85/Mw Week	\$1.98/Mw Day	8.2 cents/Mw Hour	\$40/Mw Month	\$9.23/Mw Week	\$1.32/Mw Day

Ancillary/Interconnected Operations Services Rates

Service Type	Energy Imbalance (4)	Operating Reserve - Spinning Reserve (5)			Operating Reserve - Supplemental Reserve (6)		
Price	Over Delivery > 2 MW or 1.5% = Energy Retention Under Delivery > 2 MW or 1.5% = \$100/Mw-hr	\$110/Mw Month	\$25.38/Mw Week	\$3.63/Mw Day	\$110/Mw Month	\$25.38/Mw Week	\$3.63/Mw Day

Notes

(1) As per Western's Open Access Transmission Service Tariff, the Western Area Power Administration - Upper Great Plains Region (WAPA) will charge a Scheduling and Dispatch (S&D) Ancillary Service fee for all transactions that involve the movement of energy into, out of or through the Upper Great Plains Region control area(s).

In applying the S&D fee the following notes of clarification will be applied:

A. A Scheduling and Dispatch (S&D) Fee for MAPP Service Schedule F will be applied in accordance with the Mid-Continent Area Power Pool (MAPP) tariff. Whomever purchases MAPP Service Schedule F transmission (listed as the Company under Customer Information on the OASIS request) for the movement of energy into, out of, or through the WAPA control area(s) will be assessed an S&D fee (see exception in item 5 below).

B. There is no additional S&D fee applied for transmission purchased under the WAPA tariff, as this fee is currently included in the transmission rate.

C. An S&D fee will be applied to those transactions that use transmission other than the WAPA tariff or MAPP F tariff but still require the movement of energy into, out of or through the WAPA control area.

D. The S&D fee is based on one fee per OASIS request per day. Multiple OASIS requests will each have their own S&D fee assessed.

E. MAPP has waived Schedule F transmission service charges for transmission purchases by, or deliveries to, the WAPA Network Service Customers. As such, WAPA will not assess an S&D fee for MAPP Schedule F purchases or deliveries that meet the same requirement, regardless of the transmission customer. These purchases serve Network load and would normally require Network service from Non-designated resources (a transmission product that MAPP does not currently offer), which would not incur any additional fee. Purchases from, or Deliveries from, these Network customers will be assessed an S&D fee based on the transmission customer on the OASIS request.

If you have any questions, please contact: Terry Harmel (WAPA, Watertown, SD), (605) 882-7541.

(2) Reactive Supply and Voltage Control from Generation Sources Service is Mandatory (provided by WAPA) and must be purchased when purchasing transmission under the Western Tariff.

The charge is based on the following -

A. Point-to-Point Transmission Service Customers

(i) The Transmission Reservation, not the energy schedule.

B. Other Customers with Load inside of the Control Area

(i) The Transmission Customer's metered Load(s), or calculated Load(s) (if meters are not available), or a combination of the metered and calculated Load(s) (when some meters are available), each Month at the time of the WAPA transmission system peak.

This fee is not assessed for transmission using MAPP Service Schedule F.

(3) Regulation and Frequency Response Service is Required (provided by the WAPA, self provided, or provided by a third party) for all Customers with Load inside the Control Area.

The charge is based on the following -

A. The Transmission Customer's metered Load(s), or calculated Load(s) (if meters are not available), or a combination of the metered and calculated Load(s) (when some meters are available), each Month at the time of the WAPA transmission system peak.

(4) Energy Imbalance Service is Required (provided by WAPA, self provided, or provided by a third party) for all Customers with Load inside the Control Area. This service is provided when a difference occurs between the actual and scheduled energy delivery. Western's energy imbalance service is based on a bandwidth of +/- 1.5%, with a 2 MW minimum (schedule deviations exceeding 2 MW's apply on all schedules up to 133 MW, above that the 1.5% deviation applies). This imbalance is determined by comparing the actual generation and/or scheduled energy to the metered Load(s), (or calculated Load(s) if meters are not available), or a combination of the metered and calculated Load(s) (when some meters are available). Western does not currently impose Energy Imbalance penalty charges (but reserves the right to do so). Monthly energy imbalance accounts will be maintained. These accounts will be repaid within the following month.

(5) Operating Reserve - Spinning Reserve Service (service needed to serve load immediately in the event of a system contingency) is Required (provided by WAPA, self provided, or provided by a third party) for all Customers with Load inside the Control Area.

The Charge is based on the following -

A. The Transmission Customer's metered Load(s), or calculated Load(s) (if meters are not available), or a combination of the metered and calculated Load(s) (when some meters are available), each month at the time of the WAPA transmission system system peak. These charges are for providing the service. If energy is actually supplied, the costs associated, will equal the MAPP EM rate (currently \$100/Mw-hr) or the prevailing market energy rate, whichever is greater.

(6) Operating Reserve - Supplemental Reserve Service (Service needed to serve load in the event of a system contingency; that is not available immediately to serve load, but is available within a short period of time) is Required (provided by WAPA, self provided, or provided by a third party) for all Customers with Load inside the Control Area. The Charge is based on the following - A. The Transmission Customer's metered Load(s), or calculated Load(s) (if meters are not available), or a combination of the metered and calculated Load(s) (when some meters are available), each month at the time of the WAPA transmission system system peak. These charges are for providing the service. If energy is actually supplied, the costs associated, will equal the MAPP EM rate (currently \$100/Mw-hr) or the prevailing market energy rate, whichever is greater.

(7) These rates are recalculated each year, with any changes taking effect May 1. Unless superceded, these Transmission Service Rate Schedules shall remain in effect until September 30, 2005 (per 3/4/2003 Federal Register Notice)

(8) Losses for schedules within, through, into, or out of Western's East Control Area (WAUE) are to be delivered to the WAUE control area. Losses for schedules within, through, into, or out of Western's West Control Area (WAUW) that do not meet the above requirements shall be delivered to the WAUW control area. All transmission requests under Western's Tariff must include the losses required by Western to transmit the energy from the point of receipt to the point of delivery on Western's system, if these losses are to be delivered across a constrained path. There will be no charge under Western's Tariff for the additional transmission capacity required to supply Western's losses. The losses required, will be supplied based on the following procedures:

A. Losses are based on the energy scheduled, not the reservation.

B. A minimum of 1 MW of losses will be supplied for all energy transactions

C. Losses for On-peak energy schedules will be supplied On-peak, and losses supplied for Off-peak energy schedules will be supplied Off-peak. These losses should also be supplied on a percentage basis during the same hour(s) the energy is scheduled.

D. Losses for single hour energy schedules = $.04$ (the current loss percentage) X the energy scheduled (rounded to the nearest whole number, with a 1 MW minimum), and are to be supplied during that same hour.

E. Losses for multiple hour energy schedules =

Off-peak losses = $.04$ (the current loss percentage) X the total off peak energy scheduled (rounded to the nearest whole number, with a 1 MW

minimum)

On-peak losses = .04 (the current loss percentage) X the total on peak energy scheduled (rounded to the nearest whole number, with a 1 MW minimum)

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Last Updated on 04/09/04

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