

THERMAL MARKET ENERGY PRICING RIDER

DESCRIPTION	RATE CODE
Transmission Service	N657
Primary Service	N658
Secondary Service	N659

RULES AND REGULATIONS: Terms and conditions of this electric rate schedule and the General Rules and Regulations govern use of this rider.

MANDATORY AND VOLUNTARY RIDERS: The amount of a bill for service will be modified by any Mandatory Rate Riders that must apply and by any Voluntary Rate Riders selected by the Customer, unless otherwise noted in this rider. See Sections 12.00, 13.00 and 14.00 of the electric rates for the matrices of riders.

TERM OF SERVICE: Service under this rider shall be for a period not less than one year. The Customer shall take service under this rider by either signing a new electric service agreement (ESA) with the Company or by entering into amendments of existing ESA that covers new Energy requirements that sets forth, among other things, the Customer’s Billing Demand(s), firm Demand, and Baseline Demand(s). The ESA must address incremental fixed and/or variable service costs necessary to provide service to the Customer and maintain net benefits. A Customer who voluntarily cancels service under this rider is not eligible to receive service again under this rider for a period of one year.

AVAILABILITY: This rider is available on a voluntary basis only to new greenfield customers and locations that use thermal storage technology, have a Demand of at least 25 MW, and have a load factor less than 50 percent. The Customer’s entire thermal load must be registered as a load modifying resource in Midcontinent Independent System Operator (MISO) and take service coincident with and not to exceed the hourly generating output of a nearby specifically identified wind and/or solar generation resource that is not owned by the Company. MISO must have established a new Asset Owner and Commercial Pricing Load Node (CP Node) associated with the Customer’s load for market settlement purposes.

The Customer will have no behind the Meter generation except for emergency backup purposes.



METERING REQUIREMENTS: Company approved metering equipment capable of providing load interval information is required for Rider participation. The Customer agrees to pay for the additional cost of such metering when not provided in conjunction with existing retail electric service.

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CUSTOMER EQUIPMENT: Customers taking service under this Rider shall provide equipment to maintain a power factor at a level no less than the level at which power factor penalties would be invoked under the Tariff, if applicable.

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LIABILITY: The Company and the Customer agree that the Company has no liability for indirect, special, incidental, or consequential loss or damages to the Customer, including but not limited to the Customer's operations, site, production output, or other claims by the Customer as a result of participation in this Rider.

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BASELINE DEMAND(S): The Baseline Demand(s) is used to produce the Standard Bill and from which to measure changes in consumption for purposes of billing under the Thermal Market Energy Pricing Rider. It is specific to each Thermal Market Energy Pricing Rider Customer and is a representation of its typical pattern of electricity consumption. The Customer Baseline Demand(s) is designated through a Customer's ESA and allows the Company to curtail the participating Customer's load to an established Firm Demand.

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The Customer's Baseline Demand(s) must be agreed to in writing by the Customer as a precondition of receiving service under this rider.

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CUSTOMER CHARGE: A customer charge in the amount of \$282.00 will be applied to each monthly bill to cover billing, administrative, metering, and communication costs associated with market pricing, plus any other applicable Tariff charges.

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DAY-AHEAD REQUIREMENTS: By 7:00 a.m. (Central Time) the preceding day, the Customer will provide the Company its expected hourly load for the next business day. The Customer's expected loads for Saturday through Monday will be provided to the Company by 7:00 a.m. the previous Friday. By 7:00 a.m. on the last business day preceding a holiday, the Customer will provide its expected hourly load for the holiday and the next business day for the following holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Veterans Day, Thanksgiving, Christmas Eve, and Christmas Day.

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No later than 4:00 p.m. (Central Time) of the preceding day, the Company shall give its best efforts to make available to Customers the Day-Ahead Thermal Market Energy prices for the next business day. The Day-Ahead Thermal Market Energy prices for Saturday through Monday will be made available, whenever possible, the previous Friday. The Company may deviate from this procedure in abnormal operating conditions and for the holidays mentioned above

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The Company is not responsible for the Customer's failure to receive or obtain and act upon Day-Ahead Thermal Market Energy prices. If the Customer does not receive or obtain the prices made available by the Company, it is the Customer's responsibility to notify the Company by 4:30 p.m. of the business day preceding the day the prices are to take effect. The Company reserves the right to revise its Thermal Market Energy prices at any time prior to the Customer's acceptance and will be responsible for notifying the Customer of such revised prices.

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Because high-outage-risk circumstances may prevent the Company from projecting prices more than one day in advance, the Company reserves the right to revise and make available to the Customer prices for Sunday, Monday, any of the holidays mentioned above, or for the day following a holiday. Any revised prices shall be made available by the usual means no later than 4:00 p.m. of the day prior to the prices taking effect.

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PRICING METHODOLOGY: The Day-Ahead Thermal Market Energy prices will be determined for each day based on hourly MISO LMP at the Customer's CP Node, Network Integration Transmission Service (NITS) costs, customer charge, and other MISO charges incurred by the Company caused by the Customer's load.

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The Company is not responsible for providing the Real-Time Thermal Market Energy prices to the Customer.

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BILL DETERMINATION:

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Energy: A Customer's monthly bill for Energy will be determined in two parts: (1) Energy consumed up to and including the Baseline Demand(s), and (2) Energy consumed above the Baseline Demand(s).

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The monthly bill for Energy consumed up to and including the Baseline Demand(s) will be determined by multiplying the Customer's metered Energy consumption by the Energy rate provided in the rate schedule applicable to the Customer.

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The monthly bill for Energy consumed above the Baseline Demand(s) will be determined by the MISO market settlements that occur at the Customer specific CP Node plus associated NITS charges and applicable riders.

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Demand: A Customer’s monthly bill for Demand shall be determined by multiplying the Customer’s Baseline Demand by the Demand rate provided in the Large General Service rate schedule applicable to the Customer.

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ESA Components: Incremental fixed and/or variable service costs to maintain net benefits as set in ESA.

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PENALTY FOR INSUFFICIENT LOAD CONTROL: Upon notification from the Company, the Customer shall curtail its Demand to its Firm Demand. In the event the Customer fails to curtail its load as requested by the Company, the Customer shall be responsible for any and all costs and/or penalties incurred by the Company as a result of the Customers’ failure to curtail. The duration and frequency of curtailments shall be at the sole discretion of the Company unless otherwise provided in the ESA between the Company and the Customer.

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ENERGY ADJUSTMENT RIDER: Energy consumed up to and including the Baseline Demand(s) is subject to the Energy Adjustment Rider as provided in Section 13.01, or any amendments or superseding provisions applicable thereto. Because Energy consumed above the Baseline Demand(s) is subject to the Thermal Market Energy prices, it is not subject to the Energy Adjustment Rider as provided for in Mandatory Riders – Applicability Matrix, Section 13.00.

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SPECIAL PROVISIONS: If there is a change in the legal identity of the Customer receiving service under this Thermal Market Energy Pricing Rider, service shall be terminated unless the Company and the Customer make other mutually agreeable arrangements.

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