

Ameren Operating Companies
FERC Electric Tariff
Third Revised Volume No. 1
(Superseding Second Revised Volume No. 1)

FERC ELECTRIC TARIFF
Second Revised Volume No. 1
(Supersedes First Revised Volume No. 1)

OF

AMEREN OPERATING COMPANIES

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OPEN ACCESS TRANSMISSION TARIFF

Communications concerning this Tariff should be addressed to:

David A. Whiteley
Sr. Vice President
Energy Delivery
Ameren Services Company
One Ameren Plaza
1901 Chouteau Avenue
P.O. Box 66149
St. Louis, MO 63166-6149

Issued by: David A. Whiteley, Sr. Vice President
Energy Delivery
Ameren Services Company
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1 Definitions

1.1 Ameren Control Area: The Control Area represented by the combined service territories of Union Electric Company, d/b/a AmerenUE and Central Illinois Public Service Company, d/b/a AmerenCIPS.

1.2 Ancillary Services: Those services that are necessary to support the transmission of capacity and energy from resources to loads while maintaining reliable operation of the Transmission Provider's Transmission System in accordance with Good Utility Practice.

1.3 Control Area: An electric power system or combination of electric power systems to which a common automatic generation control scheme is applied in order to:

- (1) match, at all times, the power output of the generators within the electric power system(s) and capacity and energy purchased from entities outside the electric power system(s), with the load within the electric power system(s);
- (2) maintain scheduled interchange with other Control Areas, within the limits of Good Utility Practice;

- (3) maintain the frequency of the electric power system(s) within reasonable limits in accordance with Good Utility Practice; and
- (4) provide sufficient generating capacity to maintain operating reserves in accordance with Good Utility Practice.

1.4 Designated Agent: Any entity that performs actions or functions on behalf of the Transmission Provider, an Eligible Customer, or the Transmission Customer required under the Tariff.

1.5 Eligible Customer: (i) Any electric utility (including the Transmission Provider and any power marketer), Federal power marketing agency, or any person generating electric energy for sale for resale is an Eligible Customer under the Tariff. Electric energy sold or produced by such entity may be electric energy produced in the United States, Canada or Mexico. However, with respect to transmission service that the Commission is prohibited from ordering by Section 212(h) of the Federal Power Act, such entity is eligible only if the service is provided pursuant to a state requirement that the Transmission Provider

offer the unbundled transmission service, or pursuant to a voluntary offer of such service by the Transmission Provider. (ii) Any retail customer taking unbundled transmission service pursuant to a state requirement that the Transmission Provider offer the transmission service, or pursuant to a voluntary offer of such service by the Transmission Provider, is an Eligible Customer under the Tariff.

1.6 Firm Point-To-Point Transmission Service:

Transmission Service under the Tariff that is reserved and/or scheduled between specified Points of Receipt and Delivery pursuant to Part II of the Tariff.

1.7 Good Utility Practice: Any of the practices, methods and acts engaged in or approved by a significant portion of the electric utility industry during the relevant time period, or any of the practices, methods and acts which, in the exercise of reasonable judgment in light of the facts known at the time the decision was made, could have been expected to accomplish the desired result at a reasonable cost consistent with good business practices, reliability, safety and expedition. Good Utility Practice is not intended to be limited to the optimum practice, method, or act to

the exclusion of all others, but rather to be acceptable practices, methods, or acts generally accepted in the region.

- 1.8 Network Integration Transmission Service:** The transmission service provided under Part III of the Tariff.
- 1.9 Network Operating Agreement:** An executed agreement that contains the terms and conditions under which the Network Customer shall operate its facilities and the technical and operational matters associated with the implementation of Network Integration Transmission Service under Part III of the Tariff.
- 1.10 Point-To-Point Transmission Service:** The reservation and transmission of capacity and energy on either a firm or non-firm basis from the Point(s) of Receipt to the Point(s) of Delivery under Part II of the Tariff.
- 1.11 Service Agreement:** The initial agreement and any amendments or supplements thereto entered into by the Transmission Customer and the Transmission Provider for service under the Tariff.
- 1.12 Tariff:** The open access transmission tariff of the Transmission Provider.

- 1.13 Transmission Customer:** Any Eligible Customer (or its Designated Agent) that (i) executes a Service Agreement, or (ii) requests in writing that the Transmission Provider file with the Commission, a proposed unexecuted Service Agreement to receive transmission service under Part II of the Tariff. This term is used in the Part I Common Service Provisions to include customers receiving transmission service under Part II and Part III of the Tariff.
- 1.14 Transmission Owners:** Union Electric Company, d/b/a AmerenUE and Central Illinois Public Service Company, d/b/a AmerenCIPS.
- 1.15 Transmission Provider:** The Midwest Independent Transmission System Operator, Inc. or its successor organization.
- 1.16 Transmission Service:** Point-To-Point Transmission Service provided under Part II of the Tariff on a firm and non-firm basis.
- 1.17 Transmission System:** The facilities owned, by Union Electric Company, d/b/a AmerenUE and Central Illinois Public Service Company, d/b/a AmerenCIPS that are used by the Transmission Provider to provide transmission

service under Part II and Part III of the Tariff in
the Ameren Control Area.

3 Ancillary Services

The Ancillary Services provided by the Control Area
Operator pursuant to Section 3 of the Tariff are as follows:

3.1 Reactive Supply and Voltage Control from Generation

Sources Service: The rates and/or methodology are
described in Schedule 2.

3.2 Regulation and Frequency Response Service: Where
applicable the rates and/or methodology are described
in Schedule 3.

3.3 Energy Imbalance Service: Where applicable the rates
and/or methodology are described in Schedule 4.

3.4 Operating Reserve - Spinning Reserve Service: Where
applicable the rates and/or methodology are described
in Schedule 5.

3.5 Operating Reserve - Supplemental Reserve Service:
Where applicable the rates and/or methodology are
described in Schedule 6.

9 Regulatory Filings

Nothing contained in the Tariff shall be construed as
affecting in any way the right of the Control Area Operator to

unilaterally make application to the Commission for a change in the rates, terms and conditions set forth in this tariff under Section 205 of the Federal Power Act and pursuant to the Commission's rules and regulations promulgated thereunder.

SCHEDULE 2

Reactive Supply and Voltage Control from Generation Sources Service

In order to maintain transmission voltages on the Transmission Owners' Transmission System within acceptable limits, generation facilities under the control of the Control Area Operator are operated to produce (or absorb) reactive power. Thus, Reactive Supply and Voltage Control from Generation Sources Service must be provided for each transaction on the Transmission Owners' Transmission System. The amount of Reactive Supply and Voltage Control from Generation Sources Service that must be supplied with respect to the Transmission Customer's transaction will be determined based on the reactive power support necessary to maintain transmission voltages within limits that are generally accepted in the region and consistently adhered to by the Transmission Provider.

Reactive Supply and Voltage Control from Generation Sources Service is to be provided directly by the Transmission Provider (if the Transmission Provider is the Control Area Operator) or indirectly by the Transmission Provider making arrangement with the Control Area Operator that performs this service for the Transmission Owners' Transmission System. The Transmission

Customer must purchase this service from the Transmission Provider or the Control Area Operator. The charges for such service will be based on the rates set forth below. To the extent the Control Area Operator performs this service for the Transmission Provider, charges to the Transmission Customer are to reflect only a pass-through of the costs charged to the Transmission Provider by the Control Area Operator.

The Transmission Provider must provide and the Transmission Customer must purchase this service from the Transmission Provider. Although the Transmission Customer is required to purchase this ancillary service from the Transmission Provider, the Transmission Customer may reduce the charge for this service to the extent it can reduce its requirement for reactive supply. The Transmission Provider will provide this service at the rate as stated in this Schedule times the Transmission Customer's reserved capacity or the Transmission Customer's network load responsibility for Network Integration Transmission Service. For Reactive Supply and Voltage Control from Generation Sources Service purchased from the Transmission Provider, the following rates shall apply:

- | | |
|------------------------|-----------------------|
| 1) Monthly deliveries: | \$86.70/MW per month, |
| 2) Weekly delivery: | \$20.01/MW per week, |
| 3) Daily delivery: | \$2.85/MW per day, or |
| 4) Hourly delivery: | \$0.12/MWH. |

SCHEDULE 3

Regulation and Frequency Response Service

Regulation and Frequency Response Service is necessary to provide for the continuous balancing of resources (generation and interchange) with load and for maintaining scheduled interconnection frequency at sixty cycles per second (60 Hz). Regulation and Frequency Response Service is accomplished by committing on-line generation whose output is raised or lowered (predominantly through the use of automatic generating control equipment) as necessary to follow the moment-by-moment changes in load. The obligation to maintain this balance between resources and load lies with the Transmission Provider (or the Control Area Operator that performs this function for the Transmission Provider). The Transmission Provider must offer this service when the transmission service is used to serve load within the Ameren Control Area. The Transmission Customer must either purchase this service from the Transmission Provider or make alternative comparable arrangements to satisfy its Regulation and Frequency Response Service obligation. The amount of and charges for Regulation and Frequency Response Service are set forth below. To the extent the Control Area Operator performs this service for the Transmission Provider, charges to the Transmission Customer are to reflect only a pass-

through of the costs charged to the Transmission Provider by the Control Area Operator.

If the Transmission Customer supplies or arranges supply of its Regulation and Frequency Response Service, the Service must meet all NERC and MAIN guidelines.

A Transmission Customer purchasing Regulation and Frequency Response Service will be required to purchase an amount of reserved capacity equal to 1.16 percent of the Transmission Customer's reserved capacity for Point-To-Point Transmission Service or 1.16 percent of the Transmission Customer's network load responsibility for Network Integration Transmission Service. The billing determinants for this service shall be reduced by any portion of the 1.16 percent purchase obligation that a Transmission Customer obtains from third parties or supplies itself. Each month the Transmission Customer shall compensate the Transmission Provider an amount which shall not exceed the product of the billing determinant and the appropriate rate set forth below:

- 1) Monthly delivery: \$6,240.00/MW per month,
- 2) Weekly delivery: \$1,440.00/MW per week,
- 3) Daily delivery: \$205.15/MW per day, or
- 4) Hourly delivery: \$8.55/MWH.

SCHEDULE 4

Energy Imbalance Service

Energy Imbalance Service is provided when a difference occurs between the scheduled and the actual delivery of energy to a load located within the Ameren Control Area over a single hour. The Transmission Provider must offer this service when the transmission service is used to serve load within the Ameren Control Area. The Transmission Customer must either purchase this service from the Transmission Provider or make alternative comparable arrangements to satisfy its Energy Imbalance Service obligation. To the extent the Control Area Operator performs this service for the Transmission Provider, charges to the Transmission Customer are to reflect only a pass-through of the costs charged to the Transmission Provider by the Control Area Operator.

The Transmission Provider shall establish a deviation band of +/- 1.5 percent (with a minimum of 2 MW) of the scheduled transaction to be applied hourly to any energy imbalance that occurs as a result of the Transmission Customer's scheduled transaction(s). Parties should attempt to eliminate energy imbalances within the limits of the deviation band by returning energy in kind according to a mutually agreeable schedule within

thirty (30) days or within such other reasonable period of time as is generally accepted in the region and consistently adhered to by the Transmission Provider. If an energy imbalance is not corrected within thirty (30) days or a reasonable period of time that is generally accepted in the region and consistently adhered to by the Transmission Provider, or, if energy imbalances exceed the deviation band, such imbalances will be subject to the charges specified below.

Oversupply by Transmission Customer

When such imbalance is an oversupply by the Transmission Customer, the Control Area Operator shall purchase such oversupply at a per megawatt hour rate of 90% of the Control Area Operator's hourly avoided Out-of-Pocket Cost ("OPC") except that, in the event that any such oversupply condition causes an increase in the Control Area Operator's hourly OPC, the Transmission Provider shall charge the Transmission Customer at a rate of 110% of the increased costs incurred by the Control Area Operator as a result of such oversupply. OPC shall include but not be limited to all operating, maintenance, taxes on gross receipts, transmission losses, the cost of sulfur dioxide emission allowances and any other expense incurred by the Control Area Operator which would not have been incurred but for the Control Area Operator supplying such energy.

Undersupply by Transmission Customer

When such imbalance is an undersupply by the Transmission Customer, the Transmission Provider shall charge the Transmission Customer for energy required to cover the undersupply at a per megawatt hour rate of the greater of \$100 or 110% of the Control Area Operator's hourly OPC.

SCHEDULE 4A

Illinois Retail Energy Imbalance Service

Illinois Retail Energy Imbalance Service is provided when a difference occurs over a single hour between the scheduled and the actual energy usage by the Transmission Customer's retail load(s) served by the schedule and located within the Ameren Control Area in the State of Illinois. This service shall only be available to a Transmission Customer that is arranging unbundled transmission of electric power and energy to one or more retail customers in the State of Illinois.

The Transmission Provider shall offer Illinois Retail Energy Imbalance Service to such Transmission Customers in lieu of Energy Imbalance Service pursuant to Schedule 4 of this Tariff. The Transmission Customer must either purchase Illinois Retail Energy Imbalance Service pursuant to this Schedule 4A or make alternative comparable arrangements to satisfy its service obligations.

Each month the Transmission Customer shall pay the Transmission Provider, as applicable, the sum of all Daily Capacity Charges for which the Transmission Customer is responsible and the net total of all Hourly Energy Charges for the month as described below.

1. Control Area Operator's Net System Underdelivery.

For purposes of this Schedule 4A, the Control Area Operator's Net System Underdelivery in any hour shall be the amount by which the sum of all Schedule 4A Transmission Customers' customers' loads exceeds the sum of all Schedule 4A Transmission Customers' schedules. If the sum of all Schedule 4A Transmission Customers' schedules exceeds the sum of all Schedule 4A Transmission Customers' customers' loads, Control Area Operator's Net System Underdelivery shall be considered to be zero in that hour.

2. Capacity Charge.

On any day in which the Control Area Operator incurs a Net System Underdelivery in one or more on-peak hours (6:00 a.m. through 10:00 p.m. Central Prevailing Time), the Transmission Customers that underdeliver in the on-peak hour in which the Control Area Operator incurs the greatest Net System Underdelivery shall pay a Daily Capacity Charge calculated as the product of the following:

- a) \$205.15/MW-day, and
- b) the smaller of the following two amounts:
 - 1) the Transmission Customer's actual energy underdelivery in the hour of the Control Area Operator's greatest Net System Underdelivery for

the day, from which individual Customer underdelivery shall be subtracted the greater of +/- 2 MW or +/- 1.5 percent of the Transmission Customer's scheduled transaction, or

- 2) the Transmission Customer's *pro rata* share of the Control Area Operator's greatest Net System Underdelivery of the day. For purposes of calculating such *pro rata* share, the Net System Underdelivery shall first be reduced by one percent of the sum of the reserved capacity for Point-to-Point Transmission Service and the network load responsibility for Network Integration Transmission Service for all Transmission Customers taking service under this Schedule 4A and having an underdelivery for the hour of the greatest Net System Underdelivery of the day. The Transmission Customer's *pro rata* share of the adjusted Net System Underdelivery shall be determined by taking the ratio of the Transmission Customer's energy underdelivery for the hour of greatest Net System Underdelivery

(from which individual Transmission Customer imbalance shall have first been subtracted the greater of +/- 2 MW or +/- 1.5% of the scheduled transaction) to the sum of all Transmission Customers' underdeliveries for the same hour, each such individual Transmission Customer underdelivery having first been adjusted for the established deviation band (*i.e.*, the greater of +/- 2 MW or +/- 1.5% of the scheduled transaction).

If b1) or b2) above is zero or negative, the Transmission Customer shall not incur a capacity charge for that day.

3. *Hourly Energy Charge.*

In each hour, the Control Area Operator and Transmission Customer shall be responsible to the other to pay the following energy charges, as applicable:

a. Overdelivery by Transmission Customer

(i) When an imbalance is an overdelivery by the Transmission Customer, the Control Area Operator shall purchase such overdelivery at a per megawatthour rate of the Control Area Operator's

hourly Avoided Out-of-Pocket Cost ("Avoided OPC") except as provided in 3(a)(ii). "Avoided OPC" is any expense, including but not limited to all operating, maintenance, taxes on gross receipts, transmission losses and the cost of sulfur dioxide emission allowances, that the Control Area Operator would have incurred had the Control Area Operator supplied the energy displaced by the overdelivery of energy by the Transmission Customer. During any hour in which the Control Area Operator experiences a Net System Underdelivery, Avoided OPC will be set equal to OPC.

(ii) When the Transmission Customer overdelivers in any hour in which the Control Area Operator experiences a Schedule 4A Net System Overdelivery and such Net System Overdelivery causes an increase in the Control Area Operator's hourly OPC, the Transmission Provider shall charge the overdelivering Transmission Customer at a rate of 110% of the Transmission Customer's *pro rata* share of the Increase in OPC incurred by the

Control Area Operator as a result of such overdelivery. "Increase in OPC" is the increase in any expense, including but not limited to all operating, maintenance, taxes on gross receipts, transmission losses and the cost of sulfur dioxide emission allowances, that the Control Area Operator incurred as the result of the overdelivery by the Transmission Customer(s) under this Schedule 4A.

If the Transmission Provider charges an overdelivering Transmission Customer for Increase in OPC, the Transmission Provider shall make a notation of such charge on the Transmission Customer's bill. Upon request of the Transmission Customer, the Transmission Provider shall provide the Transmission Customer a description of the situation causing the Increase in OPC and a copy of the calculation of such Increase in OPC charge.

b. Underdelivery by Transmission Customer

(i) When an imbalance is an underdelivery by the Transmission Customer, the Transmission Provider shall charge the Transmission Customer for energy

required to cover the underdelivery at a per megawatt hour rate of the Control Area Operator's hourly OPC except as provided in 3(b)(ii). "OPC" is any expense, including but not limited to all operating, maintenance, taxes on gross receipts, transmission losses and the cost of sulfur dioxide emission allowances, incurred by the Control Area Operator which would not have been incurred but for the Control Area Operator supplying energy under this Schedule 4A. During any hour in which the Control Area Operator experiences Net System Overdelivery that does not cause an increase in the Control Area Operator's OPC, OPC shall be set equal to Avoided OPC.

- (ii) When a Transmission Customer underdelivers in any hour in which the Control Area Operator experiences a Schedule 4A Net System Overdelivery and such Net System Overdelivery causes an increase in the Control Area Operator's hourly OPC, the OPC charged by the Transmission Provider to the underdelivering Transmission Customer shall not include the Increase in OPC, as that term is defined in Section 3(a)(ii).

SCHEDULE 5

Operating Reserve - Spinning Reserve Service

Spinning Reserve Service is needed to serve load immediately in the event of a system contingency. Spinning Reserve Service may be provided by generating units that are on-line and loaded at less than maximum output. The Transmission Provider must offer this service when the transmission service is used to serve load within the Ameren Control Area. The Transmission Customer must either purchase this service from the Transmission Provider or make alternative comparable arrangements to satisfy its Spinning Reserve Service obligation. The amount of and charges for Spinning Reserve Service are set forth below. To the extent the Control Area Operator performs this service for the Transmission Provider, charges to the Transmission Customer are to reflect only a pass-through of the costs charged to the Transmission Provider by the Control Area Operator.

A Transmission Customer purchasing Spinning Reserve Service will be required to purchase an amount of reserved capacity equal to 1.54 percent of the Transmission Customer's reserved capacity for Point-to-Point Transmission Service or 1.54 percent of the Transmission Customer's network load responsibility for Network Integration Transmission Service. The billing

determinants for this service shall be reduced by any portion of the 1.54 percent purchase obligation that a Transmission Customer obtains from third parties or supplies itself. Each month the Transmission Customer shall compensate the Transmission Provider an amount which shall not exceed the product of the billing determinant and the appropriate rate set forth below:

- 1) Monthly delivery: \$6,240.00/MW per month,
- 2) Weekly delivery: \$1,440.00/MW per week,
- 3) Daily delivery: \$205.15/MW per day, or
- 4) Hourly delivery: \$8.55/MWH.

In the event a contingency occurs which causes the Transmission Customer to call for Spinning Reserve Capacity to be delivered and the Transmission Customer has purchased Spinning Reserve Service from the Transmission Provider, the Control Area Operator shall only be obligated to provide the actual energy necessary to respond to such contingency until the clock hour or clock half hour that occurs between thirty (30) and sixty (60) minutes after the contingency occurs. The Control Area Operator shall provide the actual energy necessary to respond for the first ten (10) minutes without further charge under this Schedule. Thereafter, the Transmission Customer

shall pay the Transmission Provider an energy charge of the Control Area Operator's Out-of-Pocket Cost, including but not limited to all operating, maintenance, taxes on gross receipts, transmission losses, the cost of sulfur dioxide emission allowances and any other expense incurred by the Control Area Operator which would not have been incurred but for the Control Area Operator supplying such energy, plus an adder of 10% of such cost. (For energy purchased from a third party to supply such energy, the Control Area Operator's Out-of-Pocket Cost shall include any amount paid by the Control Area Operator to the third party plus the cost of transmission losses.)

In the event and to the extent the Transmission Customer obtains an alternative source of energy to respond to the contingency, the above charges shall not apply. The supply of such alternative source of energy shall be consistent with good utility practices, NERC guidelines and regional reliability requirements. Arrangements necessary for reliability shall be specified in the service agreement, the interconnection agreement or the network operating agreement.

SCHEDULE 6

Operating Reserve - Supplemental Reserve Service

Supplemental Reserve Service is needed to serve load in the event of a system contingency; however, it is not available immediately to serve load but rather within a short period of time. Supplemental Reserve Service may be provided by generating units that are on-line but unloaded, by quick-start generation or by interruptible load. The Transmission Provider must offer this service when the transmission service is used to serve load within the Ameren Control Area. The Transmission Customer must either purchase this service from the Transmission Provider or make alternative comparable arrangements to satisfy its Supplemental Reserve Service obligation. The amount of and charges for Supplemental Reserve Service are set forth below. To the extent the Control Area Operator performs this service for the Transmission Provider, charges to the Transmission Customer are to reflect only a pass-through of the costs charged to the Transmission Provider by the Control Area Operator.

A Transmission Customer purchasing Supplemental Reserve Service will be required to purchase an amount of reserved capacity equal to 1.54 percent of the Transmission Customer's reserved capacity for Point-To-Point Transmission Service or

1.54 percent of the Transmission Customer's network load responsibility for Network Integration Transmission Service. The billing determinants for this service shall be reduced by any portion of the 1.54 percent purchase obligation that a Transmission Customer obtains from third parties or supplies itself. Each month the Transmission Customer shall compensate the Transmission Provider an amount which shall not exceed the product of the billing determinant, and the appropriate rate set forth below:

- 1) Monthly delivery: \$1,760.00/MW per month,
- 2) Weekly delivery: \$406.15/MW per week,
- 3) Daily delivery: \$57.86/MW per day, or
- 4) Hourly delivery: \$2.41/MWH.

When the Transmission Customer has purchased Supplemental Reserve Service from the Transmission Provider and calls for Supplemental Reserve Capacity to be delivered, the Transmission Customer shall pay the Transmission Provider all unit start-up costs incurred by the Control Area Operator to provide the service plus an energy charge per megawatt hour delivered of the Control Area Operator's Out-of-Pocket Cost (excluding the first ten minutes), including but not limited to all operating, maintenance, taxes on gross receipts, transmission losses, the cost of sulfur dioxide emission

allowances and any other expense incurred by the Control Area Operator which would not have been incurred but for the Control Area Operator supplying such energy, plus an adder of 10% of such cost. The Control Area Operator shall only be obligated to provide the actual energy necessary to respond to such contingencies until the clock hour or clock half hour that occurs between thirty (30) and sixty (60) minutes after the contingency occurs. (For energy purchased from a third party to supply such energy, the Control Area Operator's Out-of-Pocket Cost shall include any amount paid by the Control Area Operator to the third party plus the cost of transmission losses.) In the event and to the extent the Transmission Customer obtains an alternative source of energy for Supplemental Reserve Service, the above charges shall not apply. The supply of such alternative source of energy shall be consistent with good utility practices, NERC guidelines and regional reliability requirements. Arrangements necessary for reliability shall be specified in the service agreement, the interconnection agreement or the network operating agreement.