First Revised Sheet No. 98 Superseding Original Sheet No. 98

**APPENDIX A** 

Effective: May 30, 2006

administrator of the trust) has full management discretion over the

assets of the trust (the securities), and the trust beneficiary (i.e., the

Midwest ISO Director, agent, Officer or employee) has no

knowledge of the holdings or assets of the trust.

F. The Midwest ISO Directors, agents, Officers and employees shall not

provide non-public transmission and reliability (hereinafter "T/R") information (including T/R

information obtained from the Owners, Members, and Users of the Transmission System

in the normal course of Midwest ISO business) to anyone outside the Midwest ISO, except

for such disclosure of information to T/R employees of Owners (as determined under the

applicable standards of the FERC) to the extent necessary to transact Midwest ISO

business. Those T/R employees, in turn, are governed by the FERC Order No. 889,

61 Fed. Reg. 21737 (May 10, 1996), order on reh'g, 62 Fed. Reg. 12484 (March 14, 1997)

or successor standards of the FERC -- standards of conduct -- as far as sharing any such

information with their respective merchant employees, as determined under the applicable

standards of the FERC. The Midwest ISO shall maintain the confidentiality of any market

information obtained from merchant employees of any User of the Transmission System or

other entity.

**G.** If an employee of the Midwest ISO discloses confidential information relating

to the operation or function of the organization, which disclosure is contrary to the

Standards of Conduct, then notice of such disclosure shall be posted immediately on the

Midwest ISO OASIS (or successor system as approved by the FERC).

Issued by: Ronald R. McNamara, Issuing Officer

#### **APPENDIX A**

Effective: May 30, 2006

**H.** The Midwest ISO Directors, agents, Officers, and employees shall treat all information supplied by an entity seeking transmission service under the Transmission Tariff, or supplied in connection with Midwest ISO coordination center(s) operations, as confidential, unless the information is required to be put on the Midwest ISO OASIS, or the entity seeking transmission service agrees that the information can be disclosed, or the information is otherwise publicly available.

Notwithstanding the restrictions contained in this Paragraph H, Midwest ISO Directors, agents, Officers, and employees may share information with third parties where required to satisfy the Operating Standards and Policies of the North American Electric Reliability Council (hereinafter "NERC") or successor reliability entity. A confidentiality statement must be executed by the third party before any such information is disclosed. To the extent required by FERC regulations, such information shall be put on the Midwest ISO OASIS.

**I.** Midwest ISO Directors, agents, Officers, and employees shall not give preferential access to transmission information, or any other information, to any third party.

Midwest ISO Directors, agents, Officers, and employees shall be prohibited from providing to any entity engaged in wholesale or retail sales of electric energy, or to any employee, representative, or agent of any such entity (except T/R employees as provided in Paragraph F, Section II of the Appendix A), information regarding the Transmission System covered by the Transmission Tariff, unless that information is: (i) posted on the Midwest ISO OASIS; (ii) otherwise available to the general public without restriction; or (iii) is the type of information disclosed to any third party on a nonpreferential basis.

Issued by: Ronald R. McNamara, Issuing Officer

First Revised Sheet No. 100 Superseding Original Sheet No. 100

**APPENDIX A** 

Effective: May 30, 2006

Any disclosures of transmission information not in compliance with this

Paragraph I shall be posted immediately on the Midwest ISO OASIS.

J. Directors, Officers, agents, and employees of the Midwest ISO shall strictly

enforce all Transmission Tariff provisions established by the Midwest ISO. In the event

any Director, Officer, agent, or employee of the Midwest ISO may exercise his discretion,

or is allowed by the Transmission Tariff to exercise his discretion, with respect to

transactions or actions covered by the Transmission Tariff, then such discretion shall be

exercised fairly and impartially, and such event shall be logged and available for FERC

audit.

**K.** No employee, agent, or contractor of any entity engaged in wholesale or

retail sales of electric energy shall have access to the Midwest ISO coordination center(s),

except for educational tours approved by the Midwest ISO President where notification of

such tours is posted on the Midwest ISO OASIS.

L. Notices shall be posted on the Midwest ISO OASIS of any employee

engaged in transmission and/or reliability functions who is terminated or transferred from

the Midwest ISO. The posted information shall include the name of the employee, the title

of the employee while performing service for the Midwest ISO, and the effective date of the

transfer or termination.

**M.** The Midwest ISO shall maintain its books and records separately from those

of any Owner, Member, or User of the Transmission System.

Issued by: Ronald R. McNamara, Issuing Officer

Midwest ISO FERC Electric Tariff, First Revised Rate Schedule No. 1 First Revised Sheet No. 101 Superseding Original Sheet No. 101

**APPENDIX A** 

Effective: May 30, 2006

N. The Midwest ISO shall establish and file with the Board of Directors a

complaint procedure for alleged violations of any of the Standards of Conduct set forth in

this Appendix A. The complaint procedure shall provide for the opportunity of alternative

dispute resolution, as set forth in the Agreement.

O. The Midwest ISO shall inform and train Midwest ISO Directors, agents,

Officers, and employees with regard to these Standards of Conduct. The Midwest ISO

shall distribute copies of these Standards of Conduct to each Midwest ISO Director, agent,

Officer, and employee, and require that each such Director, agent, Officer and employee

execute the attached compliance statement. The Midwest ISO shall monitor compliance

with these Standards of Conduct. Any Director, agent, Officer, or employee of the

Midwest ISO failing to comply with these Standards of Conduct may be subject to

disciplinary action. Discipline may take the form of reprimand, suspension without pay,

limitation in the scope of responsibilities, monetary fines, or termination, which discipline

shall be within the discretion of the Midwest ISO.

Issued by: Ronald R. McNamara, Issuing Officer

## **APPENDIX A**

### **COMPLIANCE STATEMENT**

l,	, have read and received training on the
Midwest ISO's Standards of Cor	nduct and agree to comply with these Standards.
Date:	-
-	(Cianatura)
	(Signature)
I	Printed Name:
-	(Title)

Issued by: Ronald R. McNamara, Issuing Officer Effective: May 30, 2006

APPENDIX B

**APPENDIX B** 

PLANNING FRAMEWORK

I. <u>Overview</u>.

This Appendix B describes the process to be used by the Midwest ISO in planning

the Transmission System. Nothing in this Appendix is intended to restrict or expand

existing state laws or regulatory authority.

The following transmission facilities of the Owners shall constitute the

Transmission System for which the Midwest ISO shall be responsible for operating and

planning by the terms of the Agreement: (i) all networked transmission facilities above

100 kilovolts (hereinafter "kV"); and (ii) all networked transformers whose two (2)

highest voltages qualify under the voltage criteria of item (i).

Network transmission facilities (including terminal equipment) are (i) transmission

elements capable of carrying power in both directions for sustained periods, and (ii)

components that are connected to such transmission facilities and are used for voltage

or stability control of the Transmission System, including shunt inductors, shunt

capacitors, and synchronous condensers. Appendix H to the Agreement identifies the

facilities that constitute the Transmission System for which the Midwest ISO shall have

operating and planning responsibility.

The Midwest ISO may direct the Owners to assign Non-transferred Transmission

Facilities to its control as part of the Transmission System, subject to obtaining any

necessary approvals of federal or state regulatory authorities, when such action is

determined to be necessary to relieve a constraint or for security purposes. The

Issued by: James P. Torgerson, Issuing Officer

Issued on: November 20, 2000

Effective \_\_\_\_\_ (Accepted by FERC Order dated September 16, 1998.)

Midwest ISO FERC Electric Tariff, First Revised Rate Schedule No. 1 First Revised Sheet No. 104 Superseding Original Sheet No. 104

**APPENDIX B** 

Midwest ISO also may require that Owners take back control of facilities included in the

Transmission System subject to any such necessary approvals. If an Owner disputes

such an order from the Midwest ISO, the dispute shall be resolved pursuant to the

dispute resolution provisions set forth in Appendix D to the Agreement.

With regard to Non-transferred Transmission Facilities, the Midwest ISO shall

review and comment on the plans developed by the Owners of these facilities. With

respect to such facilities, the Midwest ISO shall have only that planning authority

necessary to carry out its responsibilities under the Transmission Tariff. Thus, the

Midwest ISO, when performing System Impact and Facilities Studies under the

Transmission Tariff, shall treat these Non-transferred Transmission Facilities just as it

would facilities comprising the Transmission System. Similarly, the Midwest ISO shall

require Owners to make Available Transmission Capability (hereinafter "ATC")

determinations involving such Non-transferred Transmission Facilities under the

Transmission Tariff. The Midwest ISO shall coordinate the analyses of ATC associated

with Non-transferred Transmission Facilities with the affected Owners. Any disputes

concerning Non-transferred Transmission Facilities shall be subject to the dispute

resolution procedures under the Agreement.

The planning of all Non-transferred Transmission Facilities, as well as all

distribution facilities, shall be done by the Owners. Furthermore, each Owner, in

carrying out its planning responsibilities to meet the reliability needs of all loads

connected to the Owner's transmission facilities and to pursue projects that will promote

(Accepted by FERC Order dated September 16, 1998.)

Effective: February 1, 2002

First Revised Sheet No. 104a Superseding Original Sheet No. 104a

**APPENDIX B** 

Effective: February 1, 2002

expanded trading in generation markets, to better integrate the grid and to alleviate congestion may, as appropriate, develop and propose plans involving modifications to any of the Owner's transmission facilities which

Issued by: James P. Torgerson, Issuing Officer

Issued on: June 13, 2003

#### **APPENDIX B**

are part of the Transmission System. All such plans developed by the Owners may be incorporated into the Midwest ISO regional plan, as described in Section VI of this Appendix B. Plans developed by the Owners that involve only Non-transferred Transmission Facilities may be incorporated into the Midwest ISO regional plan, as appropriate. The Owners shall continue to have planning responsibilities for meeting their respective transmission needs in collaboration with the Midwest ISO subject to the requirements of applicable state law or regulatory authority.

### II. The Midwest ISO Planning Staff And The Planning Advisory Committee.

The planning function of the Midwest ISO shall be the responsibility of the Midwest ISO Planning Staff (hereinafter "Planning Staff"). The process for carrying out the planning of the Midwest ISO shall be collaborative with Owners, Users, and other interested parties. The Midwest ISO shall be organized to engage in such planning activities as are necessary to fulfill its obligations under the Agreement and the Transmission Tariff. In exercising such authority, the Midwest ISO shall (i) evaluate and respond to requests for transmission service that extend into or fall within the "Planning Time Horizon" (defined as two (2) weeks and beyond); and (ii) develop a comprehensive Midwest ISO-wide transmission plan (hereinafter the "Midwest ISO Plan"). In order to carry out this planning function, the Planning Staff shall have the following responsibilities, set forth in more detail in subsequent Sections of this Appendix B: (i) to calculate ATC in the Planning Time Horizon; (iii) to develop cost-effective plans to resolve transmission constraints that would otherwise preclude

Issued by: James P. Torgerson, Issuing Officer

Issued on: November 20, 2000

FERC Electric Tariff, First Revised Rate Schedule No. 1

APPENDIX B

requested transmission service; (iv) to create the Midwest ISO Plan by integrating,

evaluating, and modifying the transmission plans, and other findings from (a) Facilities

Studies, (b) plans and analyses developed by the individual Owners, and/or sub-

regional groups, to define needs within the Owner's system(s), (c) plans and analyses

developed by the Planning Staff to define regional needs, and (d) Planning Staff

analyses giving consideration to information from the Planning Advisory Committee

(established under this Appendix B) and other sources. The Midwest ISO shall make the

final determination in the process, subject to the Dispute Resolution procedures under the

Agreement and subject to review by the FERC or state regulatory authorities where

appropriate.

There is hereby created a Planning Advisory Committee consisting of one (1)

representative from each of the constituent groups represented on the Advisory

Committee established pursuant to Article Two, Section VI, Paragraph A of the

Agreement. The Planning Advisory Committee shall be a source of input to the

Planning Staff concerning the development of the Midwest ISO Plan. The Planning

Staff shall exercise its discretion in how it utilizes this advice in carrying out its

responsibilities.

III. Calculation Of ATC.

The Planning Staff shall be responsible for calculating ATC of the Transmission

System for the Planning Time Horizon. In calculating ATC, the Planning Staff shall: (i)

take into account transmission limits that may appear regardless of whether such limits

involve transferred Transmission System facilities or Non-transferred Transmission

Issued by: James P. Torgerson, Issuing Officer

Issued on: November 20, 2000

Effective:

(Accepted by FERC Order dated September 16, 1998.)

Facilities; (ii) use planning criteria which are compatible with operations, including the

use of appropriate equipment ratings; (iii) follow the general principles set forth in the

NERC documents, Transfer Capability (May 1995) and Available Transfer Capability:

Definition and Determination (June 1996), as those documents may be revised from

time to time; (iv) provide for projected load growth, all relevant committed transactions

and their resulting power flows throughout the interconnection; and (v) use appropriate

analytical tools to determine thermal, voltage, and stability constraints.

The Planning Staff shall adhere to applicable reliability criteria of NERC, and

regional reliability councils, or successor organizations, and Owner's planning criteria

filed with federal, state, or local regulatory authorities. In the event that the Planning

Staff questions the appropriateness of such Owner's planning criteria, the matter may

be resolved through the Dispute Resolution process provided for in Appendix D to the

Agreement. Until any such dispute is resolved, the Owner's criteria shall govern. The

Planning Staff shall also apply equipment capability ratings provided by the Owners for

their respective Transmission System facilities. The process to be used by the Planning

Staff to validate the ratings is discussed in Section V of this Appendix B. Disputes

regarding equipment capability ratings may be resolved through the Dispute Resolution

process provided for in Appendix D to the Agreement. The Planning Staff shall at all

times comply with the procedures of the Transmission Tariff for calculating ATC.

IV. <u>Evaluation Of Transmission Service Requests</u>.

The Planning Staff shall receive, evaluate, and respond to all requests for

transmission service that extends into or occurs within the Planning Time Horizon and

Issued by: James P. Torgerson, Issuing Officer

Issued on: November 20, 2000

Midwest ISO Original Sheet No. 108

FERC Electric Tariff, First Revised Rate Schedule No. 1

**APPENDIX B** 

involves the use of the Transmission System. With respect to all such requests, the

Planning Staff shall analyze and make the determination on access to the Transmission

System, including the amount of firm (non-recallable) and/or non-firm (recallable)

service which the Transmission System can support. The Planning Staff shall

document all requests for transmission service, the disposition of those requests, and

supporting data. The Planning Staff shall coordinate with the Owners to process

requests for service involving the use of Non-transferred Transmission Facilities and

distribution facilities relating to service under the Transmission Tariff. The Planning

Staff shall consult with the transmission planning representatives of the Owners and/or

operators of the affected transmission facilities on matters such as equipment,

procedures, maintenance, reliability, and public or worker safety. The Planning Staff

shall provide the transmission planning representatives of each Owner with sufficient

information to model local conditions and to monitor local consequences of Midwest ISO

decisions by the Planning Staff related to ATC values and requests for transmission

service. Any dispute regarding ATC calculations shall be subject to the applicable

Dispute Resolution procedures.

V. Resolution Of Transmission Constraints.

When the evaluation of posted ATCs reveals apparent transmission constraints

that would preclude a requested firm transaction, the Planning Staff shall investigate the

ability of operating guides and redispatch of generation to permit the transaction to

proceed, to the extent that available information, in the form of existing studies and

Issued by: James P. Torgerson, Issuing Officer

Issued on: November 20, 2000

Effective: \_\_\_\_\_ (Accepted by FERC Order dated September 16, 1998.)

Midwest ISO Original Sheet No. 109

FERC Electric Tariff, First Revised Rate Schedule No. 1

**APPENDIX B** 

models, permit. In evaluating and resolving transmission constraints, the Planning Staff

shall act in a manner consistent with the provisions of the Transmission Tariff.

The Planning Staff shall follow the procedures of the Transmission Tariff when

conducting System Impact and Facilities Studies. Upon receipt of an approved

Facilities Study Agreement, the Planning Staff shall form, chair, and direct the activities

of an Ad Hoc Planning Committee that includes representatives of all affected Owners.

The Ad Hoc Planning Committee shall develop expansion alternatives, perform the

described studies, and develop the resulting options, costs, and service agreement

which shall be provided to the transmission customer by the Planning Staff.

Each Owner shall file with the Midwest ISO information regarding the physical

ratings of all of its equipment in the Transmission System. This information is intended

to reflect the normal and emergency ratings routinely used in regional load flow and

stability analyses. In carrying out its responsibilities, the Midwest ISO shall apply

ratings that have been provided by the respective Owners and have been verified and

accepted as appropriate by the Midwest ISO where such ratings affect Midwest ISO

reliability. When requested by the Midwest ISO, Owners shall provide specific methods

by which the ratings of equipment are calculated. If the Planning Staff and the Owners'

respective planning representatives cannot reach agreement on a rating, the dispute

shall be resolved through the Dispute Resolution process provided in Appendix D to the

Agreement. However, the Midwest ISO shall use the ratings provided by the Owner

unless and until such ratings are changed through the Dispute Resolution process or by

voluntary agreement with the affected Owner.

Issued by: James P. Torgerson, Issuing Officer

Issued on: November 20, 2000

Effective: \_\_\_\_\_ (Accepted by FERC Order dated September 16, 1998.)

Second Revised Sheet No. 110 Superseding First Revised Sheet No. 110

**APPENDIX B** 

Effective: February 1, 2002

## VI. <u>Development Of The Midwest ISO Transmission Plan.</u>

The Planning Staff, working in collaboration with representatives of the Owners and the Planning Advisory Committee, shall develop the Midwest ISO Plan, consistent with Good Utility Practice and taking into consideration long-range planning horizons, as appropriate. The Planning Staff shall develop this plan for expected use patterns and analyze the performance of the Transmission System in meeting both reliability needs and the needs of the competitive bulk power market, under a wide variety of contingency conditions. The Midwest ISO Plan will give full consideration to all market participants, including demand-side options, and identify expansions needed to support competition in bulk power markets and in maintaining reliability. This analysis and planning process shall integrate into the development of the Midwest ISO Plan among other things: (i) the transmission needs identified from Facilities Studies carried out in connection with specific transmission service requests; (ii) the transmission needs identified by the Owners in connection with their planning analyses to provide reliable power supply to their connected load customers and to expand trading opportunities, better integrate the grid and alleviate congestion; (iii) the transmission planning obligations of an Owner, imposed by federal or state law(s) or regulatory authorities, which can no longer be performed solely by the Owner following transfer of functional control of its transmission facilities to the Midwest ISO; (iv) the inputs provided by the Planning Advisory Committee; and (v) the inputs, if any, provided by the state regulatory

Issued by: James P. Torgerson, Issuing Officer

Issued on: June 13, 2003

First Revised Sheet No. 110a Superseding Original Sheet No. 110a

**APPENDIX B** 

Effective: February 1, 2002

authorities having jurisdiction over any of the Owners. In the course of this process, the

Planning Staff shall seek out opportunities to coordinate or consolidate, where possible,

individually defined transmission projects into more comprehensive cost-effective

developments subject to the limitations imposed by prior commitments and lead time

constraints. This multi-party collaborative process is designed to ensure the development

of the most efficient and cost-effective Midwest ISO Plan that will meet reliability needs

and expand trading opportunities, better integrate the grid, and alleviate congestion, while

giving consideration to the inputs from all stakeholders.

Issued by: James P. Torgerson, Issuing Officer

Issued on: June 13, 2003

#### **APPENDIX B**

The Planning Staff shall test the Midwest ISO Plan for adequacy and security based on all applicable criteria. The Midwest ISO Plan shall adhere to applicable reliability requirements of NERC, regional reliability councils, or successor organizations, Owners' planning criteria filed with federal, state, or local regulatory authorities, and applicable federal, state and local system planning and operating reliability criteria. If the Planning Staff and any Owner's planning representatives cannot reach agreement on any element of the Midwest ISO Plan, the dispute may be resolved through the Dispute Resolution process provided in Appendix D to the Agreement or by the FERC or state regulatory authorities, where appropriate. The Midwest ISO Plan shall have as one of its goals the satisfaction of all regulatory requirements. That is, the Midwest ISO shall not require that projects be undertaken where it is expected that the necessary regulatory approvals for construction and cost recovery will not be obtained.

The Planning Staff shall present the Midwest ISO Plan, along with a summary of relevant alternatives that were not selected, to the Board for approval on a biennial basis, or more frequently if needed. The proposed Midwest ISO Plan shall include specific projects already approved as a result of the Midwest ISO entering into service agreements with transmission customers where such agreements provide for identification of needed transmission construction, its timetable, cost, and Owner or other parties' construction responsibilities. Ownership and the responsibility to construct facilities which are connected to a single Owner's system belong to that Owner, and that Owner is responsible for maintaining such facilities. Ownership and the responsibilities to construct facilities which are connected between two (2) or more Owners' facilities belong

Issued by: James P. Torgerson, Issuing Officer

Issued on: November 20, 2000

Midwest ISO FERC Electric Tariff, First Revised Rate Schedule No. 1 First Revised Sheet No. 112 Superseding Original Sheet No. 112

**APPENDIX B** 

equally to each Owner, unless such Owners otherwise agree, and the responsibility for

maintaining such facilities belongs to the Owners of the facilities unless otherwise agreed

by such Owners. Finally, ownership and the responsibility to construct facilities which are

connected between an Owner(s)' system and a system or systems that are not part of the

Midwest ISO belong to such Owner(s) unless the Owner(s) and the non-Midwest ISO

party or parties otherwise agree; however, the responsibility to maintain the facilities

remains with the Owner(s) unless otherwise agreed.

If the designated Owner is financially incapable of carrying out its construction

responsibilities or would suffer demonstrable financial harm from such construction,

alternate construction arrangements shall be identified. Depending on the specific

circumstances, such alternate arrangements shall include solicitation of other Owners or

others to take on financial and/or construction responsibilities. Third-parties shall be

permitted and are encouraged to participate in the financing, construction and

ownership of new transmission facilities as specified in the Midwest ISO Plan. In the

event interest among other Owners or other entities is not sufficient to proceed, all

Owners, subject to applicable regulatory requirements, shall be responsible for sharing

in the financing of the project and/or hiring of a contractor(s) to construct the needed

transmission facility; provided, however, the Owners' obligations under this sentence

shall be subject to the Owners being satisfied that they will be compensated fully for

their investments and will not be subject to additional regulatory requirements, unless

the Owners otherwise agree to waive either or both of these requirements

Issued by: James P. Torgerson, Issuing Officer

Issued on: January 28, 2002

Effective: February 1, 2002 (Accepted by FERC Order dated September 16, 1998.)

Midwest ISO Original Sheet No. 112a

FERC Electric Tariff, First Revised Rate Schedule No. 1

**APPENDIX B** 

Approval of the Midwest ISO Plan by the Board certifies it as the Midwest ISO's

plan for meeting the transmission needs of all stakeholders subject to any required

approvals by federal or state regulatory authorities. The Midwest ISO shall provide a

Issued by: James P. Torgerson, Issuing Officer Effective: February 1, 2002

Issued on: January 28, 2002 (Accepted by FERC Order dated September 16, 1998.)

Midwest ISO FERC Electric Tariff, First Revised Rate Schedule No. 1

Original Sheet No. 113

**APPENDIX B** 

copy of the Midwest ISO Plan to all applicable federal and state regulatory authorities.

The affected Owner(s) shall make a good faith effort to design, certify, and build the

designated facilities to fulfill the approved Midwest ISO Plan. However, in the event that

a proposed project is being challenged through the Dispute Resolution process under

the Agreement, the obligation of the Owners to build that specific project (subject to

required approvals) is waived until the project emerges from the Dispute Resolution

process as an approved project. The Board shall allow the Owners to optimize the final

design of specific facilities and their in-service dates if necessary to accommodate

changing conditions, provided that such changes comport with the approved Midwest

ISO Plan and provided that any such changes are accepted by the Midwest ISO. Any

disagreements concerning such matters shall be subject to the Dispute Resolution

process under Appendix D to the Agreement.

The Planning Staff shall assist the affected Owner(s) in justifying the need for,

and obtaining certification of, any facilities required by the approved Midwest ISO Plan

by preparing and presenting testimony in any proceedings before state or federal

courts, regulatory authorities, or other agencies as may be required. The Midwest ISO

shall publish annually, and distribute to all Members and all appropriate state regulatory

authorities, a five-to-ten-year (5-to-10-year) planning report of forecasted transmission

requirements. Annual reports and planning reports shall be available to the general

public upon request.

Issued by: James P. Torgerson, Issuing Officer

Issued on: November 20,2000

VII. Planning Responsibilities Of Owners.

To fulfill their roles in the collaborative process for the development of the

Midwest ISO Plan, the Owners shall develop expansion plans for their transmission

facilities while taking into consideration the needs of (i) connected loads, including load

growth, (ii) new customers and new generation sources within the Owner's system, and

(iii) known transmission service requests. Any plans that call for modifications to the

Transmission System which would significantly affect ATC must be approved by the

Midwest ISO before being implemented. However, the Midwest ISO shall develop a

streamlined approval process for reviewing and approving projects proposed by the

Owners so that decisions will be provided to the Owner within thirty (30) days of the

projects submittal to the Midwest ISO unless a longer review period is mutually agreed

upon. Any dispute concerning such matters shall be subject to the Dispute Resolution

procedures under Appendix D to the Agreement. In the event that the Midwest ISO fails

to act or produce results through the Dispute Resolution procedures under the

Agreement within a reasonable time (as determined by the Board) of the Owner's

submission of its proposed projects, approval of the proposed project(s) by the Midwest

ISO shall be automatically conveyed to the affected Owner(s), subject to all requisite

approvals.

Owners shall provide to the Planning Staff any necessary modeling or supporting

data, planning criteria applicable to the Owner's system, and system-specific operating

procedures. Owners shall carry out other duties deemed appropriate by the Owners

that support the objectives of the Midwest ISO planning process, the calculation of ATC,

Issued by: James P. Torgerson, Issuing Officer

Issued on: November 20,2000

Effective: \_\_\_\_\_\_ (Accepted by FERC Order dated September 16, 1998.)

or regional reliability analyses. Owners shall participate in the integration and testing of

the Midwest ISO Plan. Owners shall serve on Ad Hoc Planning Committees

established by the Planning Staff to respond to transmission service requests and other

matters. Owners shall also calculate ATC at points of delivery to or receipt from Non-

transferred Transmission Facilities and distribution facilities.

VIII. Coordination Between Midwest ISO Operating And Planning Staffs.

The Planning Staff shall provide support to the Midwest ISO Operating Staff

(hereinafter "Operating Staff") in determining and posting ATC during the Operating

Time Horizon (as defined by the Operating Staff) and in developing and reviewing

operating procedures. The Planning Staff also shall assist the Operating Staff by

performing operational planning assessments for near-term system configurations.

Within their respective time horizons, the Operating and Planning Staffs shall have the

same general responsibilities for determining whether the Transmission System can

accommodate a specific transaction. The Planning Staff shall be responsible for all

responses to requests for transmission service that require an expansion of the

Transmission System or Non-transferred Transmission Facilities.

IX. Miscellaneous Responsibilities Of Planning Staff.

Among its general responsibilities, the Planning Staff shall: (i) review and

comment on Owners' transmission plans; (ii) provide general oversight of all studies

performed by Owners for the Midwest ISO; (iii) identify alternatives for further study and

review that could increase the efficient and economic use of the Transmission System;

(iv) analyze and assess the Transmission System periodically to ensure operational

Issued by: James P. Torgerson, Issuing Officer

Issued on: November 20,2000

Effective: \_\_\_\_\_\_ (Accepted by FERC Order dated September 16, 1998.)

Midwest ISO Original Sheet No. 116

FERC Electric Tariff, First Revised Rate Schedule No. 1

**APPENDIX B** 

reliability, adequacy, and security, and that the long-term needs of transmission

customers are being met; (v) facilitate communications among Owners, transmission

customers, generation suppliers, and other stakeholders; and (vi) periodically monitor

real-time data to identify emerging trends that require modification of planning

assumptions to assure the reliable operation of the Transmission System in the future.

Issued by: James P. Torgerson, Issuing Officer

Issued on: November 20, 2000

Effective \_\_\_\_\_ (Accepted by FERC Order dated September 16, 1998.)

Effective: February 1, 2002

#### **APPENDIX C**

# PRICING AND REVENUE DISTRIBUTION, RETURN OF START-UP COSTS, AND RENEGOTIATION PROCEDURES FOR GRANDFATHERED AGREEMENTS

The following represents the agreement of the Owners on pricing, revenue distribution, the return of Start-up Costs contributed by the Owners, and on the renegotiation procedures for certain Grandfathered Agreements.

- **I.** <u>Additional Definitions</u>. Unless the context otherwise specifies or requires, the following additional definitions apply to this Appendix C, and, when used in this Appendix C, the following terms shall have the respective meanings set forth below.
- **A.** <u>Border Transmission Owner</u>. A Midwest ISO Owner whose transmission facilities are interconnected with those of a non-Midwest ISO owner.
- **B.** <u>Bundled Load</u>. The aggregate usage by customers who purchase electric services as a single service or customers who purchase electric services under a retail tariff rate schedule that includes power, energy and delivery components, as distinguished from customers who purchase Transmission Service as a separate service.
- C. <u>Drive-in</u>. Point-to-Point Transmission Service where the generation source is outside the Midwest ISO and the load is located within the Midwest ISO.
- **D.** <u>Drive-out</u>. Point-to-Point Transmission Service where the generation source is located within the Midwest ISO and the load is located outside of the Midwest ISO.

Issued by: James P. Torgerson, Issuing Officer

Issued on: December 31, 2001

First Revised Sheet No. 118 Superseding Original Sheet No. 118

**APPENDIX C** 

Effective: February 1, 2002

E. <u>Drive-through</u>. Point-to-Point Transmission Service where both the

generation source and the load are located outside of the Midwest ISO.

F. Drive-within. Point-to-Point Transmission Service where both the

generation source and the load are located within the Midwest ISO.

**G.** First Substantive Order. The first order in which the FERC accepts for

filing this Agreement and the Transmission Tariff (or if separately accepted, the later of

the two (2) orders), even if the FERC orders changes to this Agreement or the

Transmission Tariff, or sets for hearing the question of the justness or reasonableness

of the Agreement or the Tariff.

H. Grandfathered Agreements. For revenue distribution purposes, the

following types of agreements shall be considered Grandfathered Agreements: (i) non

open access tariff transmission service agreements executed before the First

Substantive Order date; (ii) bundled contracts which include transmission service as

part of the contract executed prior to the First Substantive Order date; (iii) network and

long-term firm Point-to-Point Transmission Service agreements executed prior to the

First Substantive Order date: (iv) accepted and confirmed short-term firm and non-firm

Point-to-Point Transmission transactions under open access transmission tariffs which

were accepted and confirmed prior to the First Substantive Order date; and (v)

Transmission Service agreements executed pursuant to Schedule F of the

Mid-Continent Area Power Pool Open-Access Transmission Tariff executed prior to the

Transfer Date.

Issued by: James P. Torgerson, Issuing Officer

Issued on: December 31, 2001

Midwest ISO FERC Electric Tariff, First Revised Rate Schedule No. 1

Second Revised Sheet No. 119 **Superseding First Revised Sheet No. 119** 

**APPENDIX C** 

For pricing purposes, the first, second, and fifth categories above shall be

Grandfathered Agreements. The third and fourth categories of agreements shall be

considered only Grandfathered Agreements for pricing purposes if the pricing terms

cannot be changed under sections 205 and 206 of the FPA (except under the

Mobile-Sierra "public interest" standard).

I. Host Zone. The Zone where load is physically connected to the Midwest

ISO transmission network either directly or through a distribution system.

J. Load Serving Entity. Any entity that, has undertaken an obligation to

provide or obtain electric energy for end-use customers by statute, franchise, regulatory

requirement or contract for load located within or attached to the Transmission System.

Where a distribution cooperative or a municipal distribution system otherwise covered by

the prior sentence is a wholesale customer of a generation and transmission cooperative

or a municipal joint action agency, the generation and transmission cooperative or

municipal joint action agency may act as the Load Serving Entity for such distribution

cooperative or municipal distribution system.

Network Transmission Service. Defined the same as in the definition of K.

Network Integration Transmission Service in the Transmission Tariff.

L. Point-to-Point Transmission Service. Defined the same as in the

definition of the same term in the Transmission Tariff.

Issued by: James P. Torgerson, Issuing Officer

Issued on: May 13, 2003

Effective: April 1, 2002

Filed to comply with the April 11, 2003 Order of the FERC in Docket Nos. ER98-1438-012, ER98-1438-013, ER02-111-004 and ER02-111-005 (Midwest Independent Transmission System Operator, Inc., 103 FERC ¶ 61,038 (2003)).

Midwest ISO Original Sheet No. 119a

FERC Electric Tariff, First Revised Rate Schedule No. 1

**APPENDIX C** 

Effective: April 1, 2002

M. <u>Transition Period</u>. The Transition Period begins on the Transfer Date

and ends on the sixth anniversary of the Transfer Date.

**N. Zone(s).** The transmission pricing zone(s) identified in the Transmission

Tariff as it (they) may be changed pursuant to this Appendix C.

II. Pricing.

A. Rates and Procedures Applicable during the Transition Period.

The following are the major elements of Midwest ISO pricing during the

Transition Period:

Issued by: James P. Torgerson, Issuing Officer

Issued on: May 13, 2003

Filed to comply with the April 11, 2003 Order of the FERC in Docket Nos. ER98-1438-012, ER98-1438-013, ER02-111-004 and ER02-111-005 (*Midwest Independent Transmission System Operator, Inc.*, 103 FERC  $\P$  61,038

(2003)).

First Revised Sheet No. 120 Superseding Original Sheet No. 120

**APPENDIX C** 

Effective: February 1, 2002

1. Transition Period Rates.

a. During the Transition Period, the Midwest ISO shall employ a Zonal

pricing structure for both Network Transmission Service and Point-to-Point

Transmission Service associated with loads physically located within a Midwest ISO

Zone. The Zonal rates for each Zone shall be based on the costs of the booked

transmission facilities within the Zone. Payment of the Zonal rate allows the customer

to obtain transmission service over the facilities covered by the Transmission Tariff

without paying additional base transmission charges. The Zones shall be as specified

in the Transmission Tariff submitted as part of the initial filing with the FERC to establish

the Midwest ISO or to add a new Owner that is a transmission provider and is or would

have been a specified zone for pricing under an existing or proposed regional

transmission tariff. The Zones only may be changed to reflect the effectuation of a

merger (or consolidation and reorganization), to add a new Owner that operates a

control area in existence on or before the date of the initial filing with the FERC to

establish the Midwest ISO, or to reflect the withdrawal from the Midwest ISO of an

Owner or Owners.

b. The rates for Network Transmission Service and Drive-in and

Drive-within Point-to-Point Transmission Service shall be the rates for the Zone in which

the load is located. The rates for Drive-through and Drive-out Point-to-Point

Transmission Service shall be the single Midwest ISO system-wide rate calculated as

set forth in the Transmission Tariff.

Issued by: James P. Torgerson, Issuing Officer

Issued on: December 31, 2001

First Revised Sheet No. 121 Superseding Original Sheet No. 121

**APPENDIX C** 

Effective: February 1, 2002

2. Applicability to All Load

a. Each Transmission Owner, to the extent it is a Load Serving Entity.

shall take Network Integration Transmission Service or Point-to-Point Transmission

Service from the Midwest ISO in accordance with the Tariff, subject to the limitations in

this Part II, Paragraph A.3 subparts a. through e. below for (1) Bundled Load served by

a Load Serving Entity; and (2) load being served at wholesale under a Grandfathered

Agreement. Each Transmission Owner that is a Load Serving Entity shall enter into a

service agreement(s) under the Tariff with the Midwest ISO for such Transmission

Service. A Transmission Owner, making contractual arrangements to act as agent on

behalf of another Transmission Owner(s) with load located in the same pricing zone

subject to Grandfathered Agreements, will be permitted to make arrangements for

Network Integration Transmission Service or Point-to-Point Transmission Service with

the Midwest ISO for load served by the other Transmission Owner(s).

b. All other Load Serving Entities not covered under Part II,

Paragraph A.2 subpart a. above shall take Network Integration Transmission Service or

Point-to-Point Transmission Service from the Midwest ISO in accordance with this Tariff

and shall enter into a service agreement(s) under this Tariff with the Midwest ISO for

such Transmission Service. A Transmission Owner that is not the Load Serving Entity

may make contractual arrangements to act as agent on behalf of the Load Serving

Entity for payment of the applicable Schedule 10 charges.

Issued by: James P. Torgerson, Issuing Officer

Issued on: December 31, 2001

Midwest ISO FERC Electric Tariff, First Revised Rate Schedule No. 1 First Revised Sheet No. 121a Superseding Original Sheet No. 121a

**APPENDIX C** 

Effective: April 1, 2002

3. Limitations on Charges and Cost Responsibilities.

a. **Bundled Load:** Transmission Owners taking Network Integration

Transmission Service to serve their Bundled Load shall not pay charges pursuant to

Schedules 1 through 6 and Schedule 9 and also shall not be responsible for losses from

network resources located within their Control Areas or pricing zone pursuant to

Attachment M. The Transmission Owner, however, shall be responsible for losses under

Attachment M for network resources located outside of its Control Area or pricing zone that

are within or attached to the Transmission System.

b. Grandfathered Agreements for Load Inside of the ISO: For the

transmission service provided as a result of or pursuant to Grandfathered Agreements for

load inside of the ISO, each Transmission Owner which is a party to that Grandfathered

Agreement shall not be obligated to pay charges under Schedules 1 through 9, nor shall it

be responsible for losses under Attachment M. Each Transmission Owner shall remain

responsible for payment of the applicable Schedule 10 charges for the services taken

pursuant to Section II, Paragraph A.2, subpart a above for its load, which may include

wholesale loads under Grandfathered Agreements.

Issued by: James P. Torgerson, Issuing Officer

Issued on: November 15, 2002

#### **APPENDIX C**

Effective: April 1, 2003

c. Grandfathered Agreements for Load Outside of the ISO: For the transmission service provided as a result of or pursuant to Grandfathered Agreements for load outside of the ISO, the Transmission Owner shall be exempt from rates under this Tariff for services provided pursuant to the existing agreements, except for charges under Schedule 10, which will reimburse the Transmission Provider for the services it performs.

d. Exception to Section II(A)(3)(b) and (c): Notwithstanding the provisions of this Section II, Paragraph A. 3 subparts b. and c. above, (I) if ancillary services are not taken or provided under the Grandfathered Agreement, in whole or in part, then such ancillary services which are not provided under such Grandfathered Agreement shall be provided and charged for under this Tariff; and (II) if losses are not provided or paid for under the Grandfathered Agreement, then losses shall be provided in accordance with Attachment M.

e. **Direct Billing to Customers under Grandfathered Agreement:**Once a Service Agreement, either executed or unexecuted, between the Midwest ISO and the customer which is a party to the Grandfathered Agreement is effective, the Midwest ISO shall bill the customer for Schedule 10 charges associated with providing service rather than the Transmission Owner.

f. Service under Grandfathered Agreements shall continue according to their terms. Grandfathered Agreements are listed in Attachment P to the Transmission Tariff.

Issued by: James P. Torgerson, Issuing Officer

Issued on: April 28, 2003

## **APPENDIX C**

[Reserved for future use]

Issued by: James P. Torgerson, Issuing Officer Issued on: December 31, 2001 Effective: February 1, 2002

Original Sheet No. 123 Superseding Original Sheet No. 127

APPENDIX C

Effective: February 1, 2002

B. Rates and Procedures Applicable after the Transition Period

1. Rates.

a. The rates for Point-to-Point and Network Transmission Service shall

be the same as the rates during the Transition Period which are specified in Section II,

Paragraph A.1 above except under the conditions specified in subparagraphs b or c of this

paragraph B.1.

b. The Midwest ISO shall file to combine zones (i) if all of the Owners in

the Zones to be combined that are paying the Midwest ISO for transmission service

associated with Bundled Load agree to combine such zones; (ii) if all of the Owners in

contiguous Zones that are paying the Midwest ISO for transmission service associated

with Bundled Load are allowed to recover amounts they pay the Midwest ISO for such

transmission service in the applicable rates; provided, however, any Owner may agree to

have zones combined whether or not the Owner recovers or is assured recovery of

payments to the Midwest ISO; or (iii) if there are contiguous zones that are to be combined

where there are no Owners paying the Midwest ISO for transmission service associated

with Bundled Load.

c. The Midwest ISO shall file a revision to the rate formula which is set

forth in Attachment O to the Transmission Tariff to implement Midwest ISO system-wide

transmission rates (i.e., the same transmission rate shall apply to all customers) (i) if all

Owners paying the Midwest ISO for transmission service associated with Bundled Load

agree; (ii) if all Owners that are paying the Midwest ISO for transmission service

Issued by: James P. Torgerson, Issuing Officer

Issued on: December 31, 2001

Original Sheet No. 124 Superseding Original Sheet No. 128

**APPENDIX C** 

Effective: February 1, 2002

associated with Bundled Load are allowed to recover such payments; or (iii) there are no

Owners paying the Midwest ISO for transmission service associated with Bundled Load.

d. In order to implement and facilitate any rate revisions to paragraphs

b and c of this Section II.B.1., the Midwest ISO shall establish procedures to provide for

the development and submission of a filing to FERC, which shall be submitted at least

six months before the end of the Transition Period.

2. <u>Load under Transmission Tariff.</u>

The Midwest ISO Transmission Tariff shall be applicable to all transmission

service arranged over Midwest ISO transmission facilities whether for Bundled Load, for

electric load that is not Bundled Load, or for deliveries made pursuant to Grandfathered

Agreements; provided, however, that Grandfathered Agreements shall not be abrogated

or modified by this Agreement. Owners shall be required to take transmission service

under the Midwest ISO Transmission Tariff to serve Bundled Load to which they are

providing bundled electric service unless some other entity is obtaining the necessary

transmission service from the Midwest ISO.

C. Other Pricing Matters.

1. Owners shall be appropriately compensated for the construction of

transmission facilities required by the Midwest ISO. The appropriate compensation or

compensation requirements are set forth in Attachment N to the Transmission Tariff

submitted as part of the initial filing with the FERC to establish the Midwest ISO.

Issued by: James P. Torgerson, Issuing Officer

Issued on: December 31, 2001

Midwest ISO FERC Electric Tariff, First Revised Rate Schedule No. 1

Substitute First Revised Sheet No. 125 **Superseding First Revised Sheet No. 125** 

**APPENDIX C** 

Effective: April 1, 2006

2. Prior to the end of the fourth (4th) year of the Transition Period.

each Owner shall file a request with the appropriate regulatory authority or authorities

(unless a proceeding has already been initiated or completed) for a determination of

which of its facilities are transmission facilities or which are distribution in accordance

with the seven (7) factor test set forth in FERC Order No. 888, 61 Fed. Reg. 21,540,

21,620 (1996), or any applicable successor test. Each Owner shall use its best effort to

cause these determinations to be made before the end of the Transition Period.

Owners that are not subject to regulation by a regulatory authority shall apply to the

Midwest ISO for such a determination.

3. The ISO Cost Adder mechanism for the Transition Period shall be

calculated as set forth in Schedule 10 to the Transmission Tariff submitted as part of the

initial filing with the FERC to establish the Midwest ISO.

III. **Revenue Distribution.** 

Notwithstanding any language to the contrary in this Appendix C or the

Agreement, the Midwest ISO shall cause the distribution monthly of the Owners'

revenues associated with transmission services in accordance with this Appendix C.

Any distribution of revenues to and among the Owners shall be consistent with this

Appendix C.

Original Sheet No. 126 Superseding Original Sheet No. 130

**APPENDIX C** 

Effective: February 1, 2002

The revenues subject to this Section III are the transmission revenues associated

with charges under Schedules 7, 8, and 9 to the Transmission Tariff.

A. Revenue Distribution during Transition Period.

1. Except by mutual agreement of the parties to a Grandfathered

Agreement, the Midwest ISO shall not collect or distribute any revenues for transmission

service related to such agreements during the Transition Period. The Owner providing the

transmission service under a Grandfathered Agreement shall continue to receive payment

directly from the customer under the Grandfathered Agreement. Nothing contained in this

paragraph affects any rights of any party to unilaterally make application to FERC to alter,

amend, or terminate a Grandfathered Agreement.

2. Revenues collected by the Midwest ISO for transmission services

involving retail electric load that had the right to choose a different supplier under a state

retail access program or legislation, shall be fully distributed to the Host Zone, regardless

of whether the customers comprising such retail electric load have exercised such right to

choose.

3. Revenues collected by the Midwest ISO for transmission services

associated with power transactions where the generation source(s) and load(s) are

physically located within the same Host Zone shall be fully distributed to that Host Zone

whether the generation source is controlled by the Owner or another entity.

4. Revenues collected by the Midwest ISO for Network Transmission

Service shall be fully distributed to the Host Zone.

Issued by: James P. Torgerson, Issuing Officer

Issued on: December 31, 2001

Midwest ISO Original Sheet No. 127

FERC Electric Tariff, First Revised Rate Schedule No. 1

**APPENDIX C** 

5. Revenues collected by the Midwest ISO for Point-to-Point

Transmission Service for delivery directly to a wholesale requirements customer or a

former wholesale requirements customer shall be distributed to the Host Zone.

6. Revenues collected by the Midwest ISO for Drive-in Point-to-Point

Transmission Service shall be fully distributed to the Border Transmission Owner if that

Owner purchases power from outside the Midwest ISO for delivery to its Zone and pays

the Midwest ISO for such transmission service to effectuate that purchase.

7. All other Midwest ISO transmission revenues (i.e., other than those

revenues specified in Paragraphs 1-6 above) shall be distributed among Zones as follows:

(i) fifty percent (50%) of such revenues shall be distributed in proportion to transmission

investment (calculated each month based on the relative proportion of transmission

investment reflected in the then applicable rates determined by the formula in

Attachment O to the Transmission Tariff): and (ii) fifty percent (50%) of such revenues

shall be shared based upon power flows. Such power flows shall be calculated using load

flow analysis techniques to develop transaction participation factors. The methodology for

developing transaction participation factors is described in Appendix C-1. Participation

factors less than three percent (3%) shall be ignored.

Notwithstanding the foregoing in this paragraph 7, Transmission Owners

that are also Mid-Continent Area Power Pool ("MAPP") members electing to take

Network Integration Transmission Service pursuant to Section 37.5 of the Transmission

Tariff shall receive no revenues under this paragraph from Point-to-Point Transmission

Issued by: James P. Torgerson, Issuing Officer

Issued on: November 20, 2000

Midwest ISO Original Sheet No. 128

FERC Electric Tariff, First Revised Rate Schedule No. 1

**APPENDIX C** 

Service associated with Transmission Owner purchases of power. Such MAPP

Transmission Owners shall participate in all other revenue sharing under this

paragraph 7.

8. The Owners located within a Zone that has more than one (1)

Owner shall appoint a single Owner or designee to receive the revenues allocated to

the Zone and to further distribute such revenues pursuant to agreement of the Owners

within the Zone. If the Owners in a Zone cannot agree to a methodology for distributing

such revenues. Owners may seek recourse through the Dispute Resolution procedures

under Appendix D to the Agreement or the Owners may go to the FERC for resolution.

An intra-Zonal revenue distribution methodology shall, to the greatest extent possible,

minimize cost shifts so that the Owners shall continue to receive the revenues they

would have received absent the formation of the Midwest ISO.

B. Revenue Distribution after the Transition Period Ends.

1. Each Owner shall receive revenues, on a monthly basis, based on

its revenue requirement calculated in accordance with a formula filed with the FERC.

2. If Midwest ISO revenues are insufficient to satisfy revenue

requirements in any year for any reason, then the shortfall shall be apportioned on a

proportionate basis of revenue requirements (e.g., an Owner whose revenue requirements

are ten percent (10%) of the total Midwest ISO revenue requirements shall bear \$1 million

Issued by: James P. Torgerson, Issuing Officer

Original Sheet No. 128a Superseding Original Sheet No. 127

**APPENDIX C** 

Effective: February 1, 2002

of a total \$10 million shortfall). If Midwest ISO revenues exceed revenue requirements in

any year, then any additional revenues shall be distributed on the same basis used for

apportioning shortfalls.

Issued by: James P. Torgerson, Issuing Officer

Issued on: December 31, 2001

Original Sheet No. 128b Superseding Original Sheet No. 127

**APPENDIX C** 

Effective: February 1, 2002

IV. Return Of Start-up Costs.

The Midwest ISO shall pay back an Owner's contributions to the Start-up

Costs, plus reasonable interest; provided, however, only Owners that are signatories to

the Agreement when it is initially filed with the FERC shall receive a return of their

contribution to the Start-up Costs incurred prior to the date of filing. Those Owners that

are not signatories at the time of filing shall forfeit any right to a return of their

contributions to Start-up Costs incurred prior to the date of the initial filing. For those

Owners that become signatories after the initial filing with FERC and make contributions

to Start-up Costs after the date they become signatories, the Midwest ISO shall return

those post-filing Start-up Costs after paying back all Start-up Costs incurred before the

initial FERC filing date. The Midwest ISO shall obtain financing as soon as is

reasonably possible to pay back such Owners and shall do so promptly upon receiving

the necessary monies. The Midwest ISO also shall use any membership fees to pay

back such Owners as soon as possible but no later than twelve (12) months after the

date of the First Substantive Order. The Start-up Costs shall include only the following

costs:

**A.** Contributions to cover outside joint expenses (i.e., outside legal costs and

consultant or contractor costs) relating to the development of the Midwest ISO filing and

implementation of the Agreement.

**B.** Costs associated with joint meetings of Owners and others relating to the

formation of the Midwest ISO.

Issued by: James P. Torgerson, Issuing Officer

Issued on: December 31, 2001

Original Sheet No. 128c Superseding Original Sheet No. 128

**APPENDIX C** 

Effective: February 1, 2002

**C.** Contributions relating to equipment, software, or other items related to the

start-up of the Midwest ISO. These contributions include monies spent associated with

equipment, software, and other items for (1) the Midwest ISO's systems; and (2) the

Owners' systems where such expenditures are necessary to allow the Owners' systems

to interface with the ISO. Payments made to consultants related to the start-up of the

Midwest ISO are included within such expenditures.

**D.** Contributions to allow the Midwest ISO to obtain financing.

E. Contributions or monies paid relating to the recruitment, hiring, and/or

employment of Directors, Officers, employees, and contractors by the Midwest ISO

including salaries and other compensation and insurance premiums and any monies

paid to any person or entity performing administrative and start-up functions until the

Midwest ISO Board is elected.

**F.** Any other contributions by Owners to Midwest ISO expenses or costs in

response to a request of the Midwest ISO Board or Officers.

For any facilities, software, or other items involving modifications or additions to

the Owners' systems for which the Owners receive reimbursement of their costs under

this Article IV, the Owners shall not include such facilities, software, or other items, or

portions thereof, in their rates or in any charges to the Midwest ISO.

V. Renegotiation Procedures For Certain Grandfathered Agreements.

For Grandfathered Agreements where the agreements result in the payment of

pancaked rates within the Midwest ISO, the parties to the agreement shall enter into

Issued by: James P. Torgerson, Issuing Officer

Issued on: December 31, 2001

First Revised Sheet No. 129 Superseding Original Sheet No. 129

**APPENDIX C** 

good faith negotiations to consider the amendment or termination of the agreement.

These negotiations shall conclude no later than the first day on which the Midwest ISO

begins providing service under the Transmission Tariff. During this negotiating period,

the parties to the Grandfathered Agreement cannot raise any issues regarding

amendment or termination of such Grandfathered Agreement with the FERC. At the

end of the negotiating period, if the parties to the Grandfathered Agreement are unable

to reach agreement, then either party may utilize whatever rights it otherwise would

have to request that the FERC consider the need for an amendment or to terminate the

Grandfathered Agreement. Except as specifically provided in this Section V, this

provision does not affect any rights or arguments that a party to a Grandfathered

Agreement may have.

Issued by: James P. Torgerson, Issuing Officer

Issued on: January 28, 2002

Effective: February 1, 2002 (Accepted by FERC Order dated September 16, 1998.)

### **APPENDIX C**

Issued by: James P. Torgerson, Issuing Officer Effective: February 1, 2002
Issued on: January 28, 2002 (Accepted by FERC Order dated September 16, 1998.)

#### **APPENDIX C-1**

#### **APPENDIX C-1**

#### DEVELOPMENT OF TRANSACTION PARTICIPATION FACTORS

In developing transaction participation factors (hereinafter "TPFs") for use in transmission revenue distribution, the Midwest ISO shall employ the principles outlined in this Appendix C-1, as described below.

Power Flow Models: The Midwest ISO shall develop power flow base cases with sufficient detail to represent the transmission systems of the Midwest ISO and surrounding networks, using the NERC power flow base case library. Power flow base cases should be developed annually for a number of load levels and various seasons (such as summer and winter) to recognize changes in the transmission system configuration, load level, and power flow patterns. Transformer taps and switched shunts should be held fixed and the phase angle regulators should be modeled as they would be in transmission reliability studies. Other modeling adjustments should be incorporated as appropriate.

Power Transaction Simulations: Each potential power transaction should be simulated by scaling load down in the selling (or from) control area by an appropriate amount (e.g., 100 MW) and scaling load up by the same amount in the buying (or to) control area, making a corresponding adjustment in the scheduled interchange of the affected control areas. Each power flow simulation should be solved using an AC solution.

Calculations of TPFs: Tables showing the TPF for each Midwest ISO Zone shall be constructed for each simulated transaction. When a Midwest ISO control area is host to the load or power source for a transaction, the TPF for that control area shall be 100%. A TPF which represents the response of each other Midwest ISO system affected by the simulated transaction shall be calculated. This calculation may be accomplished in several steps as follows:

- Algebraically sum the tie line flows between each affected control area and each interconnected control area neighbor of such control area (i.e., determine the net flow in (+) or out (-) over all ties of each control area to control area interface) for the base case and corresponding transaction simulation case;
- Compare the corresponding base case and transaction simulation case results and determine the tie line power flow change for each such control area interface;
- Sum the absolute values of such changes in tie line flows over all the control area interfaces of such control area; and
- Divide the sum by two and the simulation transaction amount, setting all TPF of less than 0.03 (3%) to zero.

Issued by: James P. Torgerson, Issuing Officer (Accepted by FERC Order dated September 16, 1998.)

Effective: February 1, 2002

#### **APPENDIX C-2**

# REVENUE DISTRIBUTION FOR ALLIANCE-MIDWEST ISO SUPER-REGIONAL RATE ADJUSTMENT CHARGE

- **Additional Definitions.** Unless the context otherwise specifies or requires, the following additional definitions apply to this Appendix C-2, and, when used in this Appendix C-2, the following terms shall have the respective meanings set forth below.
- A. <u>ARTO-MISO Settlement</u>. The March 21, 2001 settlement filed in FERC Docket No. ER01-123-000, *et al.* and accepted by FERC on May 8, 2001. <u>Illinois Power Co.</u>, 95 FERC ¶ 61,183 (2001).
- B. <u>Alliance-Midwest ISO Super Region</u>. The transmission systems and the NERC-certified electrically metered control areas of the Alliance Companies and the Owners (including the ATC LLC Companies).
- C. <u>SRA</u>. The Super-Regional Rate Adjustment which is being filed pursuant to the ARTO-MISO Settlement.

#### **II.** Revenue Distribution.

The Midwest ISO shall pass through monthly the Owners' revenues associated with transmission services in accordance with Appendix C-2. In order to provide revenues on a monthly basis, the Midwest ISO may estimate the revenues to be received by each Owner subject to a true-up. The revenues subject to this Section II are the transmission revenues associated with SRA charges under Schedule 13 to the Transmission Tariff. The following methodology is used to distribute revenues received associated with such SRA charges:

Revenues shall be allocated based on the relative proportions of SRA payments made by the Owners or load serving entities within each Zone as set forth on Appendix C-2, Attachment 1.

Issued by: James P. Torgerson, Issuing Officer

Issued on: December 3, 2001

### **APPENDIX C-2**

**APPENDIX C-2 ATTACHMENT 1** 

#### TRANSMISSION OWNER'S RELATIVE SHARE OF TOTAL SRA PAYMENTS

Transmission Owner	SRA Payments	Percentage	
Alliant Energy West (IES Utilities & IPC)	\$1,777,154	4%	
ATCLLC	\$9,971,393	20%	
Central Illinois Light Co.	\$927,159	2%	
Cinergy Services (includes IMPA & WVPA)	\$4,675,465	9%	
City Water, Light & Power (Springfield, IL)	\$160,525	0%	
Hoosier Energy	\$1,508,693	3%	
International Transmission Company	\$21,792,002	44%	
Indianapolis Power & Light	\$293,130	1%	
Louisville G & E/Kentucky Utilities	\$1,347,532	3%	
Lincoln Electric (Neb.) System	\$16,823	0%	
Manitoba Hydro	\$6,960	0%	
Minnesota Power	\$121,232	0%	
Montana-Dakota Utilities Co.	\$0	0%	
Otter Tail Power	\$133,391	0%	
Southern Illinois Power Cooperative	\$461,845	1%	
UtiliCorp United Kansas	\$6,253	0%	
UtiliCorp United Missouri	\$2,866,416	6%	
Vectren Eenrgy	\$117,648	0%	
Xcel Energy (Northern States Power)	\$3,147,282	6%	
Total	\$49,330,901	100%	

Issued by: James P. Torgerson, Issuing Officer Issued on: December 3, 2001 Effective: February 1, 2002

Effective: April 1, 2006

#### **APPENDIX C-3**

# REVENUE DISTRIBUTION FOR MIDWEST ISO REGIONAL THROUGH AND OUT RATE

- **Additional Definitions.** Unless the context otherwise specifies or requires, the following additional definitions apply to this Appendix C-3, and, when used in this Appendix C-3, the following terms shall have the respective meanings set forth below.
- A. <u>ARTO-MISO Settlement</u>. The March 21, 2001 settlement filed in FERC Docket No. ER01-123-000, et al. and accepted by FERC on May 8, 2001. Illinois Power Co., 95 FERC ¶ 61,183 (2001).
- B. <u>Alliance-Midwest ISO Super Region</u>. The transmission systems and the NERC-certified electrically metered control areas of the Alliance Companies and the Owners (including the ATC LLC Companies).
- C. RTOR. The Regional Through and Out Rate which is set forth in Schedule 14 of the Transmission Tariff.

#### II. Revenue Distribution.

The Midwest ISO shall cause the distribution monthly of the Owners' revenues associated with transmission services established by the Owners in accordance with Appendix C-3 and the Funds Trust Agreement. In order to cause the distribution of revenues on a monthly basis, the Midwest ISO may estimate the revenues to be received by each Owner subject to a true-up. The revenues subject to this Section II are the transmission revenues associated with RTOR charges under Schedule 14 to the Transmission Tariff. The following methodology is used to distribute revenues received associated with such RTOR component:

Issued by: T. Graham Edwards, Issuing Officer

Issued on: March 24, 2006

Third Revised Sheet No. 130d Superseding Second Revised Sheet No. 130d

**APPENDIX C-3** 

Effective: December 10, 2004

1. Fifty percent (50%) based on the relative share of total lost revenues of each entity

identified on Appendix C-3, Attachments 1, 1A and 1B, with those relative shares set out on

Appendix C-3, Attachment 1A for the period October 1, 2003 through April 30, 2004, Appendix

C-3, Attachment 1 for the period May 1, 2004 through September 30, 2005, and Appendix C-3,

Attachment 1B for the period beginning, October 1, 2005.

2. Fifty percent (50%) based on the relative flows across the facilities of each entity

identified on Appendix C-3, Attachment 1 (for the period May 1, 2004 through September 30,

2005), Appendix C-3, Attachment 1A (for the period October 1, 2003 through April 30, 2004), and

Appendix C-3, Attachment 1B (for the period beginning October 1, 2005) resulting from the

provision of transmission service under the Midwest ISO OATT for Drive-through and Drive-out

Point-to-Point transmission service transactions.

Issued by: James P. Torgerson, Issuing Officer

Issued on: February 17, 2005

# **APPENDIX C-3 ATTACHMENT 1 (1 of 3)**

### For Service Rendered May 1, 2004 Through September 30, 2004 Transmission Owner's Relative Share of Total Lost Revenues

Transmission Owner	Lost Revenues	Percentage
Ameren Services Company, as agent for its electric utility affiliates, Union Electric Company (d/b/a AmerenUE) and Central Illinois Public Service Company (d/b/a AmerenCIPS)	\$41,067,813	20.94%
American Transmission Company, LLC	\$10,704,021	5.46%
American Transmission Systems, Incorporated (a subsidiary of FirstEnergy Corp.)	\$34,342,411	17.51%
Central Illinois Light Co.	\$742,743	0.38%
Cinergy Services (includes IMPA & WVPA)	\$31,913,382	16.27%
City Water, Light & Power (Springfield, IL)	\$334,484	0.17%
Hoosier Energy R.E.C.	\$332,770	0.17%
International Transmission Company	\$1,861,031	0.95%
Indianapolis Power & Light	\$4,107,286	2.09%
ITC Midwest LLC <sup>1</sup>	\$3,842,715	1.96%
Louisville Gas & Electric/Kentucky Utilities	\$19,929,568	10.16%
Lincoln Electric (Neb.) System	\$383,915	0.20%
Manitoba Hydro	\$4,315,793	2.20%
Michigan Electric Transmission Company, LLC	\$4,682,713	2.39%
Minnesota Power, Inc.	\$2,710,339	1.38%
Montana-Dakota Utilities Co.	\$557,988	0.28%
Northern Indiana Public Service Company	\$5,641,752	2.88%
Otter Tail Power Co.	\$771,979	0.39%
Southern Illinois Power Cooperative	\$591,480	0.30%
UtiliCorp United Kansas	\$711,376	0.36%
UtiliCorp United Missouri	\$3,079,507	1.57%
Vectren Energy Delivery	\$2,358,291	1.20%
Xcel Energy Services, Inc. (Northern States Power)	\$21,153,592	10.79%
Total	\$196,136,949	100%

See, Joint Application of ITC Holdings Corp., ITC Midwest LLC ("ITC Midwest"), and Interstate Power and Light Company ("IPL") seeking authorization and approval for the sale by IPL and the purchase by ITC Midwest of IPL's jurisdictional transmission facilities.

Issued by: T. Graham Edwards, Issuing Officer

# APPENDIX C-3 ATTACHMENT 1 (2 of 3)

### For Service Rendered October 1, 2004 Through November 30, 2004 Transmission Owner's Relative Share of Total Lost Revenues

Transmission Owner	Lost Revenues	Percentage	
Ameren Services Company, as agent for its electric utility affiliates, Union Electric Company (d/b/a AmerenUE) and Central Illinois Public Service Company (d/b/a AmerenCIPS)	\$41,067,813	18.99%	
American Transmission Company, LLC	\$10,704,021	4.95%	
American Transmission Systems, Incorporated (a subsidiary of FirstEnergy Corp.)	\$34,342,411	15.88%	
Central Illinois Light Co.	\$742,743	0.34%	
Cinergy Services (includes IMPA & WVPA)	\$31,913,382	14.76%	
City Water, Light & Power (Springfield, IL)	\$334,484	0.15%	
Hoosier Energy R.E.C.	\$332,770	0.15%	
Illinois Power Company	\$20,113,298	9.30%	
International Transmission Company	\$1,861,031	0.86%	
Indianapolis Power & Light	\$4,107,286	1.90%	
ITC Midwest LLC <sup>1</sup>	\$3,842,715	1.78%	
Louisville Gas & Electric/Kentucky Utilities	\$19,929,568	9.22%	
Lincoln Electric (Neb.) System	\$383,915	0.18%	
Manitoba Hydro	\$4,315,793	2.00%	
Michigan Electric Transmission Company, LLC	\$4,682,713	2.17%	
Minnesota Power, Inc.	\$2,710,339	1.25%	
Montana-Dakota Utilities Co.	\$557,988	0.26%	
Northern Indiana Public Service Company	\$5,641,752	2.61%	
Otter Tail Power Co.	\$771,979	0.36%	
Southern Illinois Power Cooperative	\$591,480	0.27%	
UtiliCorp United Kansas	\$711,376	0.33%	
UtiliCorp United Missouri	\$3,079,507	1.42%	
Vectren Energy Delivery	\$2,358,291	1.09%	
Xcel Energy Services, Inc. (Northern States Power)	\$21,153,592	9.78%	
Total	\$216,250,247	100%	

See, Joint Application of ITC Holdings Corp., ITC Midwest LLC ("ITC Midwest"), and Interstate Power and Light Company ("IPL") seeking authorization and approval for the sale by IPL and the purchase by ITC Midwest of IPL's jurisdictional transmission facilities.

Issued by: T. Graham Edwards, Issuing Officer

# APPENDIX C-3 ATTACHMENT 1 (3 of 3)

### For Service Rendered December 1, 2004 through September 30, 2005 Transmission Owner's Relative Share of Total Lost Revenues

Transmission Owner	Lost Revenues	Percentage
Ameren Services Company, as agent for its electric utility affiliates, Union Electric Company (d/b/a AmerenUE) and Central Illinois Public Service Company (d/b/a AmerenCIPS)	\$41,067,813	18.92%
American Transmission Company, LLC	\$10,704,021	4.93%
American Transmission Systems, Incorporated (a subsidiary of FirstEnergy Corp.)	\$34,342,411	15.82%
Central Illinois Light Co.	\$742,743	0.34%
Cinergy Services (includes IMPA & WVPA)	\$31,913,382	14.70%
City Water, Light & Power (Springfield, IL)	\$334,484	0.15%
Great River Energy	\$799,075	0.37%
Hoosier Energy R.E.C.	\$332,770	0.15%
Illinois Power Company	\$20,113,298	9.27%
International Transmission Company	\$1,861,031	0.86%
Indianapolis Power & Light	\$4,107,286	1.89%
ITC Midwest LLC <sup>1</sup>	\$3,842,715	1.77%
Louisville Gas & Electric/Kentucky Utilities	\$19,929,568	9.18%
Lincoln Electric (Neb.) System	\$383,915	0.18%
Manitoba Hydro	\$4,315,793	1.99%
Michigan Electric Transmission Company, LLC	\$4,682,713	2.16%
Minnesota Power, Inc.	\$2,710,339	1.25%
Montana-Dakota Utilities Co.	\$557,988	0.26%
Northern Indiana Public Service Company	\$5,641,752	2.60%
Otter Tail Power Co.	\$771,979	0.36%
Southern Illinois Power Cooperative	\$591,480	0.27%
UtiliCorp United Kansas	\$711,376	0.33%
UtiliCorp United Missouri	\$3,079,507	1.42%
Vectren Energy Delivery	\$2,358,291	1.09%
Xcel Energy Services, Inc. (Northern States Power)	\$21,153,592	9.75%
Total	\$217,049,322	100%

See, Joint Application of ITC Holdings Corp., ITC Midwest LLC ("ITC Midwest"), and Interstate Power and Light Company ("IPL") seeking authorization and approval for the sale by IPL and the purchase by ITC Midwest of IPL's jurisdictional transmission facilities.

Issued by: T. Graham Edwards, Issuing Officer

### APPENDIX C-3 ATTACHMENT 1A

#### For Service Rendered October 1, 2003 – April 30, 2004 Transmission Owner's Relative Share of Total Lost Revenues

Transmission Owner	Lost Revenues	Percentage	
American Transmission Company, LLC	\$10,763,823	6.85%	
American Transmission Systems, Incorporated (a subsidiary of FirstEnergy Corp.)	\$34,355,870	21.86%	
Central Illinois Light Co.	\$786,401	0.50%	
City Water, Light & Power (Springfield, IL)	\$365,779	0.23%	
Cinergy Services (includes IMPA & WVPA)	\$32,560,164	20.72%	
Hoosier Energy	\$339,399	0.22%	
Indianapolis Power & Light	\$4,122,145	2.62%	
International Transmission Company	\$1,891,957	1.20%	
ITC Midwest LLC <sup>1</sup>	\$3,905,956	2.49%	
Louisville G & E/Kentucky Utilities	\$20,240,480	12.88%	
Lincoln Electric (Neb.) System	\$383,915	0.24%	
Manitoba Hydro	\$4,360,912	2.77%	
Michigan Electric Transmission Company, LLC	\$4,697,124	2.99%	
Minnesota Power	\$2,727,443	1.74%	
Montana-Dakota Utilities Co.	\$565,000	0.36%	
Northern Indiana Public Service Company	\$5,814,753	3.70%	
Otter Tail Power	\$782,653	0.50%	
Southern Illinois Power Cooperative	\$712,880	0.45%	
UtiliCorp United Kansas	\$711,376	0.45%	
UtiliCorp United Missouri	\$3,079,507	1.96%	
Vectren Energy	\$2,370,613	1.51%	
Xcel Energy (Northern States Power)	\$21,614,402	13.75%	
Total	\$157,152,552	100%	

See, Joint Application of ITC Holdings Corp., ITC Midwest LLC ("ITC Midwest"), and Interstate Power and Light Company ("IPL") seeking authorization and approval for the sale by IPL and the purchase by ITC Midwest of IPL's jurisdictional transmission facilities.

Issued by: T. Graham Edwards, Issuing Officer

#### APPENDIX C-3 ATTACHMENT 1B

### For Service Rendered October 1, 2005 to March 31, 2006 Transmission Owner's Relative Share of Total Lost Revenues

Transmission Owner	Lost Revenues	Percentage
Ameren Services Company, as agent for its electric utility affiliates, Union Electric Company (d/b/a AmerenUE) and Central Illinois Public Service Company (d/b/a AmerenCIPS)	\$47,150,786	19.37%
American Transmission Company, LLC	\$10,841,613	4.45%
American Transmission Systems, Incorporated (a subsidiary of FirstEnergy Corp.)	\$37,196,127	15.28%
Central Illinois Light Co.	\$805,681	0.33%
Cinergy Services (includes IMPA & WVPA)	\$35,603,958	14.63%
City Water, Light & Power (Springfield, IL)	\$370,772	0.15%
Great River Energy	\$799,075	0.33%
Hoosier Energy R.E.C.	\$370,449	0.15%
Illinois Power Company	\$20,113,298	8.26%
International Transmission Company	\$4,839,662	1.99%
Indianapolis Power & Light	\$4,189,921	1.72%
ITC Midwest LLC <sup>1</sup>	\$3,955,282	1.62%
Louisville Gas & Electric/Kentucky Utilities	\$20,803,949	8.55%
Lincoln Electric (Neb.) System	\$383,915	0.16%
Manitoba Hydro	\$4,420,322	1.82%
Michigan Electric Transmission Company, LLC	\$4,769,896	1.96%
Minnesota Power, Inc.	\$2,745,135	1.13%
Montana-Dakota Utilities Co.	\$575,182	0.24%
Northern Indiana Public Service Company	\$13,943,961	5.73%
Otter Tail Power Co.	\$795,715	0.33%
Southern Illinois Power Cooperative	\$724,636	0.30%
UtiliCorp United Kansas	\$711,376	0.29%
UtiliCorp United Missouri	\$3,079,507	1.26%
Vectren Energy Delivery	\$2,438,200	1.00%
Xcel Energy Services, Inc. (Northern States Power)	\$21,814,102	8.96%
Total	\$243,442,520	100%

See, Joint Application of ITC Holdings Corp., ITC Midwest LLC ("ITC Midwest"), and Interstate Power and Light Company ("IPL") seeking authorization and approval for the sale by IPL and the purchase by ITC Midwest of IPL's jurisdictional transmission facilities.

Issued by: T. Graham Edwards, Issuing Officer

## APPENDIX C-3 ATTACHMENT 1C

# For Service Rendered April 1, 2006 to August 31, 2006 Transmission Owner's Relative Share of Total Lost Revenues

Transmission Owner	Lost Revenues	Percentage
Ameren Services Company, as agent for its electric utility affiliates, Union Electric Company (d/b/a AmerenUE) and Central Illinois Public Service Company (d/b/a AmerenCIPS)	\$47,150,786	19.36%
American Transmission Company, LLC	\$10,841,613	4.45%
American Transmission Systems, Incorporated (a subsidiary of FirstEnergy Corp.)	\$37,196,127	15.27%
Central Illinois Light Co.	\$805,681	0.33%
Duke Energy Shared Services (includes IMPA & WVPA)	\$35,603,958	14.62%
City Water, Light & Power (Springfield, IL)	\$370,772	0.15%
Great River Energy	\$799,075	0.33%
Hoosier Energy R.E.C.	\$370,449	0.15%
Illinois Power Company	\$20,113,298	8.26%
International Transmission Company	\$4,839,662	1.99%
Indianapolis Power & Light	\$4,189,921	1.72%
ITC Midwest LLC <sup>1</sup>	\$3,955,282	1.62%
Louisville Gas & Electric/Kentucky Utilities	\$20,803,949	8.54%
Lincoln Electric (Neb.) System	\$383,915	0.16%
Manitoba Hydro	\$4,420,322	1.81%
Michigan Electric Transmission Company, LLC	\$4,769,896	1.96%
Minnesota Power, Inc.	\$2,745,135	1.13%
Montana-Dakota Utilities Co.	\$575,182	0.24%
Northern Indiana Public Service Company	\$13,943,961	5.72%
Otter Tail Power Co.	\$795,715	0.33%
Southern Illinois Power Cooperative	\$724,636	0.30%
SMMPA	\$140,595	0.06%
UtiliCorp United Kansas	\$711,376	0.29%
UtiliCorp United Missouri	\$3,079,507	1.26%
Vectren Energy Delivery	\$2,438,200	1.00%
Xcel Energy Services, Inc. (Northern States Power)	\$21,814,102	8.96%
Total	\$243,583,115	100%

See, Joint Application of ITC Holdings Corp., ITC Midwest LLC ("ITC Midwest"), and Interstate Power and Light Company ("IPL") seeking authorization and approval for the sale by IPL and the purchase by ITC Midwest of IPL's jurisdictional transmission facilities.

Issued by: T. Graham Edwards, Issuing Officer

# For Service Rendered September 1, 2006 and Thereafter Transmission Owner's Relative Share of Total Lost Revenues

Transmission Owner	Lost Revenues	Percentage
Ameren Services Company, as agent for its electric utility affiliates, Union Electric Company (d/b/a AmerenUE) and Central Illinois Public Service Company (d/b/a AmerenCIPS)	\$47,150,786	21.57%
American Transmission Company, LLC	\$10,841,613	4.96%
American Transmission Systems, Incorporated (a subsidiary of FirstEnergy Corp.)	\$37,196,127	17.02%
Central Illinois Light Co.	\$805,681	0.37%
Duke Energy Shared Services (includes IMPA & WVPA)	\$35,603,958	16.29%
City Water, Light & Power (Springfield, IL)	\$370,772	0.17%
Great River Energy	\$799,075	0.37%
Hoosier Energy R.E.C.	\$370,449	0.17%
Illinois Power Company	\$20,113,298	9.20%
International Transmission Company	\$4,839,662	2.21%
Indianapolis Power & Light	\$4,189,921	1.92%
ITC Midwest LLC <sup>1</sup>	\$3,955,282	1.81%
Manitoba Hydro	\$4,420,322	2.02%
Michigan Electric Transmission Company, LLC	\$4,769,896	2.18%
Minnesota Power, Inc.	\$2,745,135	1.26%
Montana-Dakota Utilities Co.	\$575,182	0.26%
Northern Indiana Public Service Company	\$13,943,961	6.38%
Otter Tail Power Co.	\$795,715	0.36%
Southern Illinois Power Cooperative	\$724,636	0.33%
SMMPA	\$140,595	0.06%
Vectren Energy Delivery	\$2,438,200	1.12%
Xcel Energy Services, Inc. (Northern States Power)	\$21,814,102	9.98%
Total	\$218,604,368	100%

See, Joint Application of ITC Holdings Corp., ITC Midwest LLC ("ITC Midwest"), and Interstate Power and Light Company ("IPL") seeking authorization and approval for the sale by IPL and the purchase by ITC Midwest of IPL's jurisdictional transmission facilities.

Issued by: T. Graham Edwards, Issuing Officer

**Superseding Original Sheet No. 130g-2** 

**APPENDIX C-4** 

REVENUE DISTRIBUTION FOR SECA

I. **Additional Definitions.** Unless the context otherwise specifies or requires, the

following additional definitions apply to this Appendix C-4, and, when used in this

Appendix C-4, the following terms shall have the respective meanings set forth below.

**SECA.** Seams Elimination Charge/Cost Adjustments/Assignments. The Α.

SECA is the mechanism for recovery of the lost revenues resulting from the elimination

of through and out rates for transactions between the Midwest ISO and PJM. The

SECA is to be paid by entities in PJM for (1) the period beginning on December 1, 2004

and ending on March 31, 2005, and (2) the subsequent period beginning on April 1,

2005 and ending on March 31, 2006.

B. **PJM.** PJM Interconnection, L.L.C.

C. **Coordinating Owner.** Manitoba Hydro.

Owner. For the purposes of Appendix C-4, the term Owner includes D.

Manitoba Hydro, which is a Coordinating Owner.

E. **MWh.** Megawatt hour.

II. **Revenue Distribution.** 

The Midwest ISO shall cause the distribution of the revenues received (from

SECA charges under Schedule 21 of the Midwest ISO Transmission Tariff or from

SECA charges implemented within PJM) to compensate the Owners for lost revenues in

proportion to each Owner's lost revenues ratio in accordance with this Appendix C-4

and the Funds Trust Agreement. Each Owner's lost revenues ratio is set forth on

Effective Date: April 1, 2006

Appendix C-4, Attachment 1.

Issued by: T. Graham Edwards, Issuing Officer

Issued on: March 24, 2006

Original Sheet No. 130g-2.1

**APPENDIX C-4** 

Effective: April 1, 2006

The Owners for the purposes of the revenue distribution are listed on Appendix C-4, Attachment 1. Each Owner may designate another entity or other entities to

recover the revenues it would be due under this provision.

Issued by: T. Graham Edwards, Issuing Officer

Issued on: March 24, 2006

Effective Date: January 1, 2008

## APPENDIX C-4 ATTACHMENT 1

# **Transmission Owner's Relative Share of Total Lost Revenues**

Transmission Owner	(Dec. 1, 2004 to Dec. 31, 2004)	(Jan. 1, 2005 to Mar. 31, 2005)	(Apr. 1, 2005 to Apr. 30, 2005)	(May 1, 2005 to Mar. 31, 2006)
Ameren Services Company, as agent for its electric utility affiliates, Union Electric Company (d/b/a AmerenUE) and Central Illinois Public Service Company (d/b/a AmerenCIPS)	10.44%	9.06%	9.02%	9.27%
American Transmission Company, LLC	0.68%	0.58%	2.04%	2.04%
American Transmission Systems, Incorporated (a subsidiary of FirstEnergy Corp.)	34.12%	43.53%	42.94%	42.63%
Central Illinois Light Co.	0.46%	0.39%	0.47%	0.47%
Cinergy Services (includes IMPA & WVPA)	12.96%	10.97%	6.53%	6.53%
City Water, Light & Power (Springfield, IL)	0.12%	0.10%	0.14%	0.14%
Great River Energy	0.06%	0.06%	0.08%	0.08%
Hoosier Energy R.E.C.	0.84%	0.71%	0.55%	0.55%
Illinois Power Company	13.06%	10.88%	13.32%	13.36%
Indianapolis Power & Light	1.98%	1.68%	1.16%	1.16%
International Transmission Company	4.42%	3.79%	3.62%	3.62%
ITC Midwest LLC <sup>1</sup>	1.64%	1.44%	1.29%	1.29%
Louisville Gas & Electric/Kentucky Utilities	4.76%	4.06%	3.69%	3.69%
Manitoba Hydro	1.78%	1.52%	1.46%	1.46%
Michigan Electric Transmission Company, LLC	1.96%	1.67%	2.33%	2.33%
Minnesota Power, Inc.	0.57%	0.50%	0.43%	0.43%
Montana-Dakota Utilities Co.	0.24%	0.20%	0.18%	0.18%
Northern Indiana Public Service Company	2.88%	2.53%	6.48%	6.49%

Issued by: T. Graham Edwards, Issuing Officer

### APPENDIX C-4 ATTACHMENT 1 – cont'd.

#### **Transmission Owner's Relative Share of Total Lost Revenues**

		(Jan. 1, 2005	(Apr. 1, 2005	(May 1, 2005
	(Dec. 1, 2004	to	to	to
	to	Mar. 31,	Apr. 30,	Mar. 31,
Transmission Owner	Dec. 31, 2004)	2005)	2005)	2006)
Otter Tail Power Co.	0.42%	0.36%	0.34%	0.35%
Southern Illinois Power	0.15%	0.13%	0.27%	0.27%
Cooperative				
Vectren Energy Delivery	0.83%	0.71%	0.59%	0.59%
Xcel Energy Services, Inc.	5.63%	5.13%	3.09%	3.09%
(Northern States Power)				

Issued by: T. Graham Edwards, Issuing Officer Effective Date: January 1, 2008

See, Joint Application of ITC Holdings Corp., ITC Midwest LLC ("ITC Midwest"), and Interstate Power and Light Company ("IPL") seeking authorization and approval for the sale by IPL and the purchase by ITC Midwest of IPL's jurisdictional transmission facilities.

First Revised Sheet No. 131 Superseding Original Sheet No. 131

APPENDIX D

#### **APPENDIX D**

# **DISPUTE RESOLUTION PROCEDURES**

Attachment HH (Dispute Resolution Procedures) of the Open Access Transmission and Energy Markets Tariff is incorporated herein by reference.

Issued by: Ronald R. McNamara, Issuing Officer Effective: May 1, 2006

Midwest ISO First Revised Sheet Nos. 132 through 148 FERC Electric Tariff, First Revised Rate Schedule No. 1 Superseding Original Sheet Nos. 132 through 148h

APPENDIX D

[Reserved for Future Use.]

Issued by: Ronald R. McNamara, Issuing Officer Effective: May 1, 2006

#### **APPENDIX E**

#### FRAMEWORK FOR OPERATIONAL RESPONSIBILITIES

I. General Description Of Midwest ISO's Operational Responsibilities.

The Midwest ISO, Owners, and Users shall be responsible for operational functions set forth in this Section I of this Appendix E. To the extent that there is any discrepancy between the functions and responsibilities of the Midwest ISO, Owners and Users as defined herein, those defined in the Transmission Tariff, the Transmission Tariff shall prevail.

- **A.** <u>Midwest ISO Responsibilities</u>. The Midwest ISO shall be responsible for the following operational functions:
- The Midwest ISO shall have functional control of the Transmission
   System as set forth in Section II of this Appendix E and as defined in Article One,
   Section I, Paragraph L of the ISO Agreement.
- 2. The Midwest ISO shall review and approve, as appropriate, requests for service and schedule transmission transactions as set forth in Section III of this Appendix E and shall determine available transmission capability (hereinafter "ATC") under the Transmission Tariff as set forth in Section III of this Appendix E, and in Appendix B to the Agreement.

Issued by: James P. Torgerson, Issuing Officer Effective: December 1, 2004

Original Sheet No. 149A

**APPENDIX E** 

3. The Midwest ISO shall implement and administer the Transmission

Tariff applicable to the Transmission System and Non-transferred Transmission

Facilities as set forth in Section IV of this Appendix E, and in Appendix B to the

Agreement.

4. The Midwest ISO shall be responsible for the security of the

Transmission System as set forth in Section V of this Appendix E.

5. The Midwest ISO shall offer ancillary services required to support

transmission service as set forth in Section VI of this Appendix E.

Issued by: James P. Torgerson, Issuing Officer

First Revised Sheet No. 150 Superseding Original Sheet No. 150

**APPENDIX E** 

6. The Midwest ISO shall approve the scheduling of maintenance of

all transmission facilities making up the Transmission System and shall coordinate with

generation owners, as appropriate, the scheduling of maintenance on generation

facilities as set forth in Section VII of this Appendix E.

7. The Midwest ISO shall be responsible for operations of OASIS

system(s) in accordance with the Transmission Tariff.

8. The Midwest ISO shall monitor and coordinate voltage levels that

shall be the responsibility of the control areas to maintain.

9. The Midwest ISO shall be responsible for administering the

functions and responsibilities as defined in the Transmission Tariff in its role as the

Reliability Authority, Market Operator, Interchange Scheduling Agent and Balancing

Authority.

B. Owners' and Users' Responsibilities. As described more fully below,

the Owners and Users, as appropriate, shall have the following responsibilities:

1. The Owners shall retain ownership of their transmission facilities

comprising the Transmission System, and shall physically operate these facilities,

subject to the Midwest ISO's direction, and maintain those facilities, subject to the

Midwest ISO's scheduling approval as set forth in Sections II and VII of this Appendix E.

Issued by: James P. Torgerson, Issuing Officer

**APPENDIX E** 

Original Sheet No. 150A

2. The Owners who are control area operators shall continue to

operate their control areas for local generation control and economic dispatch as set

forth in Section III of this Appendix E.

3. The Owners shall provide transmission service through their

transmission facilities at the direction of the Midwest ISO pursuant to the terms of the

Transmission Tariff as set forth in Section IV of this Appendix E.

Issued by: James P. Torgerson, Issuing Officer

Midwest ISO Original Sheet No. 151

FERC Electric Tariff, First Revised Rate Schedule No. 1

**APPENDIX E** 

4. The Owners and Users shall comply with the instructions of the

Midwest ISO in its role as System Security Coordinator as set forth in Section V of this

Appendix E.

5. The Owners shall perform maintenance on their transmission

facilities included in the Transmission System under schedules as approved by the

Midwest ISO, and shall coordinate maintenance on their Non-transferred Transmission

Facilities and generation facilities significantly affecting Midwest ISO transmission

capability or transmission reliability with the Midwest ISO as set forth in Section VII of

this Appendix E. All Users that are not Owners shall coordinate maintenance on their

generation facilities significantly affecting such transmission capability or reliability with

the Midwest ISO.

6. The Owners and Users, where appropriate, shall offer to redispatch

generating units in accordance with the Transmission Tariff, when feasible, subject to

receiving appropriate compensation. The Owners and Users shall submit and

coordinate unit schedules with the Midwest ISO that affect transmission capability or

transmission reliability.

7. The Owners shall obtain approval of the Midwest ISO before taking

transmission facilities included in the Transmission System out of service except in

cases involving endangerment to the safety of employees or the public or damage to

facilities. With regard to Non-transferred Transmission Facilities, the Owners shall

Issued by: James P. Torgerson, Issuing Officer

First Revised Sheet No. 152 Superseding Original Sheet No. 152

APPENDIX E

provide notice to the Midwest ISO, as required from time to time by the Midwest ISO,

before taking such facilities out of service.

8. Owners and Users shall be responsible for administering the

functions and responsibilities as defined in the Transmission Tariff in their role as

Balancing Authorities, Market Participants, Transmission Service Providers and

Transmission Operators.

II. <u>Control Over Transmission Facilities.</u>

A. <u>Midwest ISO Control</u>.

1. The Midwest ISO shall have functional control over the combined

transmission facilities of the Owners that make up the Transmission System. Appendix

H to the Agreement specifies all transmission facilities that initially shall constitute the

Transmission System.

2. The Midwest ISO shall periodically review whether the

Transmission System facilities under its functional control constitute all of the Owners'

facilities necessary to provide reliable transmission service contemplated under the

Agreement and the Transmission Tariff.

3. The Midwest ISO may exercise temporary operational control over

any Non-transferred Transmission Facilities or associated non-generation facilities of an

Owner in order to prevent or remedy a system emergency.

4. The Midwest ISO shall maintain a publicly available registry of all

facilities that constitute the Transmission System.

5. The Midwest ISO shall, in consultation with affected Owners, other

affected Members, and the Advisory Committee develop, and then revise from time-to-

Effective December 1, 2004

First Revised Sheet No. 152 **Superseding Original Sheet No. 152** 

### **APPENDIX E**

Issued by: James P. Torgerson, Issuing Officer Issued on: March 31, 2004

Original Sheet No. 153

**APPENDIX E** 

time as appropriate, operating procedures governing its exercise of operational control

over the Transmission System (hereinafter "Operating Procedures"). The Operating

Procedures shall be provided to the Owners, and, except to the extent determined by

the Board as otherwise necessary for emergency or security reasons, such procedures

shall be made available to the public. The Midwest ISO shall comply with its Operating

Procedures in exercising its functional control over the Transmission System. To the

extent required, such Operating Procedures shall be filed with the appropriate

regulatory agency or agencies.

6. The Midwest ISO shall not exercise its operational control of the

Transmission System in such a way as to interfere with rights of Users in contracts

between an Owner and a User that are in effect as of the Effective Date of the

Agreement (hereinafter "Existing Contracts").

7. The Midwest ISO shall be responsible for coordinating with the

applicable regional reliability councils and shall join such councils as appropriate.

8. The Midwest ISO shall comply with any transmission operating

obligations of an Owner imposed by Federal or state law or authorities which can no

longer be performed solely by the Owner following transfer of functional control of its

transmission facilities to the Midwest ISO, until such obligations are revised or changed.

Issued by: James P. Torgerson, Issuing Officer

Original Sheet No. 154

APPENDIX E

9. The Midwest ISO (i) shall take no action that would impair the

safety and reliability of nuclear facilities; and (ii) shall take actions consistent with

nuclear license conditions or requirements or as otherwise required by the Nuclear

Regulatory Commission ("NRC").

B. Owner Responsibilities.

1. The Owners shall be obligated to physically operate and maintain

their transmission facilities that are part of the Transmission System, and to comply with

the directions of the Midwest ISO with respect to such operation and maintenance

issued in compliance with the Operating Procedures.

C. Retained Rights of Owners. The Owners shall retain all rights of

ownership in their transmission facilities, subject to the Midwest ISO's functional control

of the Transmission System in accordance with the terms of this Appendix E. Nothing

in this Appendix E shall be deemed to restrict or prohibit access to transmission facilities

by the Owners, or those acting under their authority, when such access does not involve

the removal of a transmission element from service or otherwise affect the provision of

transmission services. To the extent required by the Midwest ISO, the Midwest ISO

shall be notified by the Owners when maintenance is being performed on a facility that

could result in unplanned outages of a transmission line or transformer.

Issued by: James P. Torgerson, Issuing Officer

**APPENDIX E** 

III. Determination Of Available **Transmission** Capability And Transmission Scheduling.

Α. **Available Transmission Capability.** For transactions of less than two (2)

weeks' duration, the Midwest ISO operations staff shall determine the ATC consistent

with the terms of the Transmission Tariff and Appendix B to the Agreement. See

Appendix B to the Agreement for ATC determinations of two (2) weeks or more.

1. The Midwest ISO shall review all data received from non-Midwest

ISO control areas, independent transmission system operators, regional reliability

councils, or other entities that impact ATC calculations.

2. The Midwest ISO shall share data with non-Midwest ISO control

areas, independent transmission system operators, regional reliability councils, or other

entities with whom data must be exchanged, as requested, in order to determine ATC.

В. <u>Transmission Service Requests</u>. The Midwest ISO shall receive and

process all transmission service requests in accordance with the Transmission Tariff.

As a result:

1. The Midwest ISO shall be ultimately responsible for conducting all

System Impact Studies associated with a request for transmission service.

analysis required shall be coordinated between the Midwest ISO and the Owners as

follows:

The Midwest ISO shall provide sufficient information to the a.

transmission/reliability representatives of all affected Owners to allow them to model

local consequences of the requested service.

Issued by: James P. Torgerson, Issuing Officer

Original Sheet No. 156

**APPENDIX E** 

b. The Midwest ISO shall coordinate with affected Owners'

transmission/reliability representatives when processing requests for service into and

out of Non-transferred Transmission Facilities or distribution facilities.

c. The Midwest ISO shall consult with Owners with respect to

equipment-specific and Non-transferred Transmission Facilities issues.

2. Upon completion of any required System Impact Studies, the

Midwest ISO shall be responsible for making the final determination as to the amount of

firm and non-firm transmission capacity that is available under the Transmission Tariff,

and for resolving requests for transmission service in accordance with the terms of the

Transmission Tariff.

3. When there is not adequate transmission capability to satisfy a

transmission request, the Midwest ISO shall relieve or facilitate the relief of the

transmission constraint consistent with the terms of the Transmission Tariff.

4. The Midwest ISO shall be responsible for documenting all

transmission service requests under the Transmission Tariff, the disposition of such

requests, and any supporting data required to support the decision with respect to such

requests.

C. Scheduling Transmission Service Transactions. The Midwest ISO

shall schedule all transmission service transactions involving the Transmission Tariff,

including transactions under Existing Contracts, as follows:

Issued by: James P. Torgerson, Issuing Officer

Original Sheet No. 157

APPENDIX E

1. The Midwest ISO shall schedule and curtail transmission service

and schedule the allocation of losses and ancillary services in accordance with the

Transmission Tariff.

2. The Midwest ISO shall, in consultation with the affected Owners,

other affected Members, and the Advisory Committee, develop and from time-to-time,

amend when necessary, detailed scheduling protocols (hereinafter "Scheduling

Protocols"), which shall be provided to all Members and made publicly available. For

Members and Users who are operators of nuclear generating facilities, the Midwest ISO

shall enter into written agreements, which define scheduling protocols, limitations, and

restrictions necessary to ensure the safety and reliability of such facilities. The

Scheduling Protocols shall not conflict with the provisions of the Transmission Tariff. All

scheduling shall be performed in accordance with the Scheduling Protocols. To the

extent required, such Scheduling Protocols shall be filed with the appropriate regulatory

agency or agencies.

3. In performing its scheduling functions, the Midwest ISO shall

ensure that the Transmission System is operated in compliance with applicable NERC,

regional reliability council or successor organizations, and all other applicable operating

reliability criteria.

4. The Midwest ISO shall inform all control areas and the transmission

reliability representatives of all Owners of the approved schedules under the

Transmission Tariff, and of any subsequent changes made thereto.

Issued by: James P. Torgerson, Issuing Officer

Issued on: November 20, 2000

Effective \_\_\_\_\_ (Accepted by FERC Order dated September 16, 1998.)

Original Sheet No. 158

**APPENDIX E** 

5. The Midwest ISO shall perform all inadvertent flow accounting for

Member control areas and shall coordinate the performance of such accounting with

non-Member entities.

**D.** Owners' Responsibilities. The Owners who are control area operators

shall continue to operate their control areas for local generation control and economic

dispatch purposes. In so doing, the Owners shall comply with the scheduling

instructions of the Midwest ISO issued pursuant to the Scheduling Protocols.

IV. <u>Administration Of Transmission Tariff.</u>

A. <u>Midwest ISO Responsibilities.</u>

1. The Midwest ISO shall be solely responsible for administering the

Transmission Tariff.

2. The Midwest ISO shall negotiate as appropriate to develop

reciprocal service, equitable tariff application, compensation principles, and any related

arrangements.

3. The Midwest ISO shall monitor the service provided under the

Transmission Tariff to determine if any hoarding of transmission capacity is occurring.

The Midwest ISO shall attempt to eliminate the hoarding initially through direct contacts

with the customer. If hoarding continues, then the Midwest ISO may file a complaint

with FERC or develop and file with FERC other procedures or mechanisms to address

hoarding.

Issued by: James P. Torgerson, Issuing Officer

**APPENDIX E** 

B. Owner Responsibilities. The Owners shall provide transmission service

through their transmission facilities that are subject to the Transmission Tariff as

directed by the Midwest ISO pursuant to the Transmission Tariff.

V. <u>Security Of The Transmission System.</u>

A. <u>General.</u>

1. The security and reliability of the Transmission System shall be the

responsibility of the Midwest ISO.

2. The Owners who are control area operators shall continue to be

responsible for operating their control areas in a secure and reliable manner, subject to

the requirements of this Appendix E.

3. The Midwest ISO is hereby designated and shall be the Security

Coordinator of the Transmission System for the Owners. In this role, the Midwest ISO

shall have security monitoring and emergency response functions, as described in more

detail in Section V, Paragraphs B and C of this Appendix E.

B. Security Monitoring.

1. The Midwest ISO shall periodically perform load-flow and stability

studies of the Transmission System to identify and address security problems.

2. The Owners shall continue to monitor their own control areas for

system security. They shall be responsible for identifying and addressing local security

problems, consistent with the requirements of this Appendix E.

Issued by: James P. Torgerson, Issuing Officer

Original Sheet No. 160

**APPENDIX E** 

3. The Owners shall continuously provide the Midwest ISO with all

data required to assess the security of the Transmission System consistent with NERC

(or successor organizations) requirements, and consistent with regional requirements

and the Standards of Conduct.

4. The Midwest ISO shall exchange necessary security information

with other non-Member control areas, independent transmission system operators and

regional reliability councils consistent with NERC (or successor organizations)

requirements, with regional requirements and the Standards of Conduct.

5. The Midwest ISO shall monitor real-time data to determine whether

any control areas are experiencing generation capacity deficiencies. If a generation

capacity deficiency event threatens the security of the system, the Midwest ISO shall

take appropriate action, including if necessary ordering the shedding of firm load.

C. <u>Emergency Response</u>.

1. The Midwest ISO shall work with the Owners, appropriate state

agencies, regional reliability councils, and other security coordinators to develop

regional security plans and emergency operating procedures.

2. The Midwest ISO shall, in coordination with the Members and the

Advisory Committee and in compliance with applicable state and federal laws and

standards, develop, and from time-to-time update, procedures for responding to

emergencies (hereinafter the "Emergency Procedures"). The Emergency Procedures

shall be provided to all Members and shall be made available to the public.

Issued by: James P. Torgerson, Issuing Officer

Original Sheet No. 161

**APPENDIX E** 

a. The Emergency Procedures shall include procedures for

responding to specified critical contingencies.

b. The Midwest ISO shall continuously analyze issues that may

require the initiation of emergency response actions. Such analysis shall be made at

the Midwest ISO's initiative or at the request of Members, regional reliability councils, or

other independent system operators or control areas. The Emergency Procedures shall

be amended to include any changes or additions resulting from such analysis.

c. The Emergency Procedures shall make provision for system

restoration including priority restoration of off-site power to nuclear generating facilities.

3. The Midwest ISO shall direct the response to any emergency in the

Transmission System pursuant to the Emergency Procedures. Individual Owners,

Users, and control areas shall carry out the required emergency actions as directed by

the Midwest ISO, including the shedding of firm load if required for regional security.

4. After the conclusion of an emergency condition, any affected entity

that disagrees with the Midwest ISO's handling of the emergency may resolve that

disagreement pursuant to the dispute resolution procedures of Appendix D to the

Agreement or the Transmission Tariff, as appropriate.

VI. <u>Ancillary Services.</u>

**A.** The Midwest ISO shall offer to provide all Ancillary Services as defined

and required under the Transmission Tariff.

Issued by: James P. Torgerson, Issuing Officer

Issued on: November 20, 2000

Effective \_\_\_\_\_

**APPENDIX E** 

**B.** As part of its scheduling function, the Midwest ISO shall ensure that every

scheduled transaction is supported by the required ancillary services and shall deny any

scheduling request where the required ancillary services have not been arranged.

C. Owners' and Other Generators' Responsibilities.

1. All Owners and Users that own generation within the Midwest ISO

shall be required to offer to provide ancillary services to the extent required under the

Transmission Tariff. For FERC regulated public utilities, the charges by the generation

owners for such ancillary services shall be in accordance with FERC accepted or

approved rate schedules.

VII. Transmission And Generation Maintenance.

A. <u>Planned Transmission Maintenance</u>. The Midwest ISO's approval is

required for all planned maintenance of facilities in the Transmission System. The

approval process shall be as follows:

1. All Owners shall submit their planned transmission maintenance

schedules to the Midwest ISO for a minimum of a rolling one-year (1-year) period. The

planned maintenance schedules shall be updated daily.

2. Planned transmission maintenance requests shall be submitted to

the Midwest ISO for its approval at least two (2) weeks in advance of an outage.

Issued by: James P. Torgerson, Issuing Officer

Original Sheet No. 163

**APPENDIX E** 

3. The Midwest ISO shall determine if, and the extent to which, such

planned transmission maintenance requests affect ATC, Ancillary Services, the security

of the Transmission System, and any other relevant effects. This determination shall

include appropriate analytical detail. Within two (2) business days of receiving a

planned maintenance request, the Midwest ISO shall either approve the request or deny

the request and provide an acceptable time frame in which the maintenance can be

performed. Failure by the Midwest ISO to act within the two (2) day period shall be

deemed as approval of the request.

4. The Midwest ISO shall have the authority to revoke any previously-

approved planned transmission maintenance outages if forced transmission outages or

other circumstances compromise the integrity or reliability of the Transmission System.

The Midwest ISO shall notify the Owner of the decision to revoke approval of the

maintenance as soon as possible after the circumstances arise that create the need for

the revocation. If an Owner incurs any additional costs associated with the deferred

transmission maintenance, the Owner shall be compensated for those costs pursuant to

procedures adopted by the Midwest ISO, applied on a non-discriminatory basis to all

Owners, and filed with FERC.

5. As part of its review process, the Midwest ISO shall identify

planned transmission maintenance schedules that limit ATC and, if requested by a

User, shall identify opportunities and associated costs for rescheduling planned

maintenance to enhance ATC.

Issued by: James P. Torgerson, Issuing Officer

Original Sheet No. 164

APPENDIX E

6. The Midwest ISO shall be responsible for documenting all planned

transmission maintenance requests, the disposition of those requests, and all data

supporting the disposition of each request.

B. Unplanned and Emergency Transmission Maintenance. The Midwest

ISO shall coordinate with the Owners to implement schedules for unplanned

transmission maintenance. For emergency transmission maintenance, when conditions

endanger the safety of employees or the public, or may result in damage to facilities, the

Owners shall notify the Midwest ISO of such emergency maintenance. Approval by the

Midwest ISO for such emergency transmission maintenance is not required.

C. Generation Maintenance. The Midwest ISO shall coordinate the

maintenance of generating units of the Owners and other generating units as

appropriate to the extent such generation maintenance affects the transmission

capability or transmission reliability of the Midwest ISO as follows:

1. All Owners and Users owning or controlling generation affecting

Midwest ISO transmission capability or security shall submit their planned generating

unit maintenance schedules to the Midwest ISO for a minimum of a rolling one-year

(1-year) period. The planned maintenance schedules shall be updated daily.

Issued by: James P. Torgerson, Issuing Officer

Original Sheet No. 165

**APPENDIX E** 

2. The Midwest ISO shall analyze a planned generating unit

maintenance schedule to determine its effect on ATC, ancillary services, the security of

the Transmission System, and any other relevant effects. The Midwest ISO shall inform

a Member or User if its maintenance schedule is expected to have an impact on the

security of the Transmission System.

3. As part of its review process, the Midwest ISO shall identify

generating unit maintenance schedules that limit ATC and shall identify opportunities

and associated costs for rescheduling planned maintenance to enhance ATC. Owners

or Users shall be compensated for additional costs associated with rescheduling such

planned generating unit maintenance pursuant to procedures adopted by the Midwest

ISO, applied on a non-discriminatory basis to all Owners and Users, and filed with

FERC.

4. The Midwest ISO shall be responsible for documenting all planned

generating unit maintenance schedules, all schedule changes, and all studies and

services performed with respect to planned generation maintenance.

5. For Members and Users who are operators of nuclear generating

facilities, the Midwest ISO shall enter into written agreements which define planned

transmission and generating unit maintenance scheduling criteria, limitations and

restrictions necessary to insure the safety and reliability of such facilities.

Issued by: James P. Torgerson, Issuing Officer

Original Sheet No. 166

APPENDIX F

**APPENDIX F** 

**BYLAWS** 

of the

MIDWEST INDEPENDENT TRANSMISSION SYSTEM OPERATOR, INC.

A Delaware Non-Stock Corporation

**ARTICLE I** 

**DEFINITIONS AND INTERPRETATION** 

**Section 1.1.** *Definitions.* Unless the context otherwise specifies or requires, certain

capitalized terms are used in these Bylaws and the attached appendices with the meanings set forth

below or in other provisions of these Bylaws.

Agency Agreement - The agreement allowing Non-transferred Transmission

Facilities to be offered by the Midwest Independent Transmission System Operator, Inc. ("Midwest

ISO") for transmission service under the Transmission Tariff. The Agency Agreement is Appendix

G to the Midwest ISO Agreement.

Effective Date - The effective date of the Midwest ISO Agreement.

Issued by: James P. Torgerson, Issuing Officer

Issued on: November 20, 2000

Effective \_\_\_\_\_

First Revised Sheet No. 167 Superseding Original Sheet No. 167

APPENDIX F

Effective: April 1, 2006

**FERC** - The Federal Energy Regulatory Commission, or any successor

agency.

Funds Trust Agreement – The Funds Trust Agreement among JPMorgan

Chase Bank, N.A., Midwest Independent Transmission System Operator, Inc., and the

Beneficiaries, as may be amended from time to time, under which agreement a trust is

established and maintained for the receipt and distribution of revenues resulting from the

provision of transmission services under the Transmission Tariff.

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 a range of

acceptable practices, methods, or acts generally accepted in the region.

He, Him, or His - Includes "she," "her," or "hers."

**Member** - A person or business entity which is (i) an Eligible Customer,

as defined in the Transmission Tariff, or (ii) an Owner, as defined herein, and which pays to the

Midwest ISO, the non-refundable membership fees as required herein. Such person or entity

shall be a Member during the period covered by the applicable membership fees unless earlier

terminated pursuant to the Bylaws.

Original Sheet No. 168

**APPENDIX F** 

Midwest ISO Agreement - The Agreement Of Transmission

Facilities Owners To Organize The Midwest Independent Transmission System Operator, Inc., A

Delaware Non-Stock Corporation, and any amendments thereto, and as accepted by the FERC.

Non-owner Member - A Member which is not an Owner.

Non-transferred Transmission Facilities - The booked transmission

facilities not identified in Appendix F to the Midwest ISO Agreement which are the subject of the

Agency Agreement.

Owner - A utility or other entity which owns, operates, or controls

facilities for the transmission of electricity in interstate commerce (as determined by the Midwest

ISO by applying the seven-factor (7 – factor) test of the FERC set forth in FERC Order No. 888,

61 Fed. Reg. 21,540, 21,620 (1996), or any successor test adopted by the FERC) and which is a

signatory to the Midwest ISO Agreement. A public utility holding company system shall be

treated as a single owner for purposes of the Midwest ISO Agreement. Each Owner shall pay the

applicable membership fees and become a Member. Any termination of a utility's or entity's

status as an Owner shall be determined pursuant to the Midwest ISO Agreement and these

Bylaws.

**Person** - Any general partnership, limited partnership, corporation, limited

liability company, joint venture, trust, business trust, governmental agency, cooperative, association,

Issued by: James P. Torgerson, Issuing Officer

Issued on: November 20, 2000

Effective\_\_\_\_\_(Accepted by FERC Order dated September 16, 1998.)

Original Sheet No. 169

**APPENDIX F** 

other entity, or individual, and the heirs, executors, administrators, legal representatives, successors,

and assigns of such person, as the context may require.

Transmission Tariff - The transmission tariff on file with the FERC under

which the Midwest ISO will offer transmission service, or any successor tariff.

Transmission System - The transmission facilities of the Owners which are

committed to the operation of the Midwest ISO by the Midwest ISO Agreement. The facilities

comprising the Transmission System are identified in Appendix H to the Midwest ISO Agreement.

User - A Transmission Customer under the Transmission Tariff or an entity

that is a party to a transaction under the Transmission Tariff.

**Section 1.2.** *Interpretation.* In the event of any conflict between these Bylaws and

the Midwest ISO Agreement, the Midwest ISO

Issued by: James P. Torgerson, Issuing Officer

Issued on: November 20, 2000

Effective \_\_\_\_\_\_ (Accepted by FERC Order dated September 16, 1998.)

Original Sheet No. 170

APPENDIX F

Agreement shall control. The descriptive headings of Articles and Sections of these Bylaws have

been inserted for convenience of reference only and shall not define, modify, restrict, construe, or

otherwise affect their construction or interpretation.

**ARTICLE II** 

**GENERAL PROVISIONS** 

Section 2.1. Organization. The Midwest ISO is a non-stock, not-for-profit

corporation, pursuant to Title 8, Chapter 1 of the laws of the State of Delaware. The Midwest

ISO shall be operated exclusively for the promotion of social welfare, in furtherance of the

public policy reflected in the Order of the FERC approving the Midwest ISO Agreement and

FERC Order No. 888. No part of the net earnings, if any, of the Midwest ISO shall inure to the

benefit of any Midwest ISO Member, Director, Officer, employee, or any other interested private

person. The Midwest ISO is authorized and empowered to pay reasonable compensation for

services actually rendered and to make payments or distributions in furtherance of the purposes

and objectives set forth in the Midwest ISO Agreement and the Transmission Tariff. No

substantial part of the activities of the Midwest ISO shall be carrying on propaganda or otherwise

attempting to influence legislation. The Midwest ISO shall not participate in or intervene in any

political campaign on behalf of any candidate for

Issued by: James P. Torgerson, Issuing Officer

Issued on: November 20, 2000

Effective \_\_\_\_\_

Midwest ISO

FERC Electric Tariff, First Revised Rate Schedule No. 1

Original Sheet No. 171

**APPENDIX F** 

public office. In the event that the Internal Revenue Service deems the Midwest ISO to be

exempt from federal taxation under § 501(c) of the Internal Revenue Code, the Midwest ISO

shall not conduct or carry on any activities not permitted to be conducted or carried on by an

organization exempt from taxation under the Internal Revenue Code, or successor provisions in

any subsequent federal tax laws, or such other provision or successor provisions under which the

Internal Revenue Service may recognize that the Midwest ISO is exempt from taxation. If the

Midwest ISO is not tax-exempt, the Midwest ISO shall minimize its federal and state tax

obligations.

Section 2.2. Offices. The principal office of the Midwest ISO shall be located as

determined by the initial Board of Directors. The Board may establish such branch offices or places

of business as it shall determine to be in the best interests of the Midwest ISO.

**Section 2.3.** Start-up. The Owners may select and employ a person or an entity (or

persons or entities) to perform such administrative and start-up functions as in the Owners'

judgment may be necessary or desirable until the Board is elected. Such person or entity shall serve

in such capacity until the election of the initial Board, and, during such service, shall exercise the

authority and perform the duties of the Board and the President.

Issued by: James P. Torgerson, Issuing Officer

Issued on: November 20, 2000

Effective \_\_\_\_\_\_

**APPENDIX F** 

**ARTICLE III** 

**MEMBERS** 

Section 3.1. Qualifications; Membership Fees; Term. (a) Qualifications. Any

Person which (i) is an Eligible Customer (as defined in the Transmission Tariff) or an Owner and

(ii) pays to the Midwest ISO the non-refundable membership fees set forth in Section 3.1(b) shall be

eligible to become a Member. A person may apply to become a Member of the Midwest ISO by

submitting an application in the form then approved by the President and making payment of the

membership fees set forth in Section 3.1(b) of these Bylaws. Action upon any application for

membership shall be taken at the first meeting of the Board following submission of the

membership application.

(b) Membership Fees. All entities eligible for membership in the Midwest ISO

shall pay an initial membership fee of \$15,000 in order to become Members. On January 1 of each

year, each Member shall pay an additional fee of \$1,000 to the Midwest ISO to retain its

membership. All such fees are nonrefundable and may be adjusted from time to time, as may be

appropriate, by the Board.

(c) Term. A Person shall be a Member during the period covered by the applicable

membership fees unless earlier terminated as provided in these Bylaws.

(d) Withdrawal of Members. A Member who is not an Owner may, upon

submission of a written notice of withdrawal to the President, withdraw from membership in the

Issued by: James P. Torgerson, Issuing Officer

Issued on: November 20, 2000

(Accepted by FERC Order dated September 16, 1998.)

Effective

First Revised Sheet No. 173 **Superseding Original Sheet No. 173** 

APPENDIX F

Effective: April 1, 2006

Midwest ISO at any time, which withdrawal shall be effective thirty (30) days after the receipt of

such notice by the President. A Member who is also an Owner may, upon submission of a

written notice of withdrawal to the President, commence a process of withdrawal of its facilities

from the Transmission System. The terms and conditions of such withdrawal are specified in the

Midwest ISO Agreement.

**Section 3.2.** Owner Status. Members admitted to Membership after the start-up

of the Midwest ISO who wish also to have the status as Owners, must (i) own, operate, or control

facilities used for the transmission of electricity in interstate commerce (as determined by the

Midwest ISO by applying the seven factor (7-factor) test set forth in FERC Order No. 888, 61

Fed. Reg. 21,540, 21,620 (1996), or any successor test adopted by the FERC) that are physically

interconnected with the facilities of an existing Owner; (ii) express its agreement to become a

signatory to the Midwest ISO Agreement, to be bound by all of its terms, and to make any and

all payments or contributions required by the Midwest ISO Agreement, and (iii) express its

agreement to become a signatory to the Funds Trust Agreement, to be bound by all of its terms,

and to make any and all payments or contributions required by the Funds Trust Agreement if

and/or when it receives revenues for transmission service, and prior to the existence of any right

of the Member to receive revenues from transmission service under the Transmission Tariff

executes the Funds Trust Agreement. Upon fulfillment of these conditions, and upon completion

of any physical integration of the new Owner's facilities with the Transmission System in a

fashion consistent with the

Midwest ISO

Original Sheet No. 174

FERC Electric Tariff, First Revised Rate Schedule No. 1

**APPENDIX F** 

President's direction, the Board shall allow the new Member to become a signatory to the Midwest

ISO Agreement. In general, an Owner must own, operate, or control interstate transmission

facilities as detailed above; however, on a case-by-case basis, the Board may waive the requirement

that such facilities be physically interconnected if allowing the Member also to become an Owner

will result in significant net benefits to the Midwest ISO and its Members.

Section 3.3. No Rights of Members to Manage or Control. No Member shall have

any rights to manage or control the property, affairs, or business of the Midwest ISO, or any power

to control the Board in these respects.

Section 3.4. Regular Meetings. The Members shall hold their initial meeting at the

principal office of the Midwest ISO, or other location designated by the Board, or by the person or

entity selected pursuant to Section 2.3 of these Bylaws, on the date designated by the Board or such

person or entity, and shall hold meetings at such location on the third Monday of the same month

each year thereafter, or such other day of said month as may be designated by the Board, for the

purpose of electing Directors and of exercising and discharging any other powers or duties vested in

them by the Midwest ISO Agreement and the Bylaws. Members shall hold their initial meeting on

July 1, 1998, or as soon

Issued by: James P. Torgerson, Issuing Officer

Issued on: November 20, 2000

Effective

Original Sheet No. 175

**APPENDIX F** 

thereafter as is reasonably practical. Provided, however, that the signatories to the Midwest ISO

Agreement, by majority vote (with each signatory having one vote), may, pursuant to the terms and

conditions of the Midwest ISO Agreement, extend this date.

**Section 3.5.** Special Meetings. The Board or any twenty-five percent (25%) of the

Members may call special meetings of the Members at any time.

**Section 3.6.** *Notification.* (a) The Secretary shall provide notice to appropriate state

regulatory authorities, FERC, the members of the Board Advisory Committee (established pursuant

to the Midwest ISO Agreement), and the public by posting on the Midwest ISO's Internet World-

Wide Web Site or equivalent form of electronic posting at least seven (7) days prior to the meeting,

of the time and place of all meetings of Members, whether regular or special.

(b) Notice mailed to a Member or sent by telefacsimile no later than seven (7) days

prior to the date of the meeting, directed to the Member at the address as shown on the books of the

Midwest ISO, shall be deemed sufficient for the provisions of this provision and for all other

purposes, unless written notice of change of such address has been previously given to the Midwest

Issued by: James P. Torgerson, Issuing Officer

Issued on: November 20, 2000

Effective \_\_\_\_\_\_ (Accepted by FERC Order dated September 16, 1998.)

ISO. In the case of special meetings, the Secretary shall also give notice to all Members of the

general purpose of the meeting and the nature of the business to be considered at such meeting.

Such a special meeting shall be limited to the business thus specified in the case, unless at least

twenty-five percent (25%) of the Members consent in writing to the consideration of other matters.

The Members of record eligible to participate in any meeting shall be determined as of the date

notice of the meeting is provided to the Members.

**Section 3.7.** Conduct of Meetings; Quorum; Voting. At all meetings of Members,

the Chairman of the Board, or such other person as may be designated by the Board, shall preside.

Each Member shall be entitled to one vote, and Members may vote by proxy. Twenty-five percent

(25%) of the Members, or their proxies, shall constitute a quorum for the purpose of any such

meeting. Except where it is otherwise provided in these Bylaws, a vote of a majority of the

Members represented and voting at the meeting shall control.

ARTICLE IV

**BOARD OF DIRECTORS** 

**Section 4.1.** *General Powers.* There shall be a Board of Directors of the Midwest

ISO which shall consist of seven (7) persons plus the President. The Board may exercise all of the

powers of the non-stock corporation and do all lawful acts and things (including the adoption of

such rules and regulations for the conduct of its meetings, the exercise of its powers, and the

management of the Midwest ISO) as it may deem proper and consistent with applicable law, the

Issued by: James P. Torgerson, Issuing Officer

Issued on: November 20, 2000

Effective \_\_\_\_

First Revised Sheet No. 177 Superseding Original Sheet No. 177

**APPENDIX F** 

Effective: May 30, 2006

Midwest ISO Agreement, the Transmission Tariff, the articles of incorporation, and these Bylaws,

provided that authority for such actions is not reserved to the Members or Owners.

**Section 4.2.** *Qualifications.* A Director shall not be, and shall not have

been at any time within two (2) years prior to or subsequent to election to the Board, a Director,

Officer, or employee of a Member, User, or an affiliate of a Member or User. At all times while

serving on the Board, and for two (2) years thereafter, a Director shall have no material business

relationship or other affiliation with any Member or User or an affiliate of a Member or User. A

Director's participation in a pension plan of a Member or User or an affiliate thereof shall not be

deemed to be a material business relationship if the Member's or User's financial performance has

no material effect on such pension plan. Similarly, a Director's ownership of securities in a

Member or User or affiliate thereof shall not be deemed to be a material business relationship if

such securities are held through a mutual fund, retirement fund, blind trust (as defined in

Appendix A, Section II.E.6) or similar arrangement where the Director has no discretion to

manage the assets in such an account. Of the seven (7) Directors, four (4) shall have expertise and

experience in corporate leadership at the senior management or board of directors level, or in the

professional disciplines of finance, accounting, engineering, or utility laws and regulation. Of the

other three (3) Directors, one (1) shall have expertise and experience in the operation of electric

transmission systems, one (1) shall have expertise and experience in the planning of electric

transmission systems, and one (1) shall have expertise and experience in commercial markets and

trading and associated risk management.

Issued by: Ronald R. McNamara, Issuing Officer

Issued on: March 31, 2006

Midwest ISO First Revised Sheet No. 178

FERC Electric Tariff, First Revised Rate Schedule No. 1

**APPENDIX F** 

Section 4.3. Number: Election. (a) Initial Board. The initial Board shall be

elected by the Members at their initial meeting from a slate of candidates presented to them by an

independent executive search firm chosen by a majority vote of the signatories to the Midwest ISO

Agreement, with each signatory having one vote. Such firm shall select such candidates consistent

with the qualification requirements set forth in Section 4.2. The slate shall include at least two (2)

candidates with the appropriate type of qualifications for each Board position. Each Member shall

be entitled to cast a single vote for each of the seven (7) positions on the Board from among the

candidates for each position. The candidates with the most votes shall fill the Director positions for

which they were nominated. In the event of a tie among the candidates for a Board position, one (1)

of the candidates shall be selected by a drawing. Two (2) Directors shall hold office for one (1)

year; two (2) Directors shall hold office for two (2) years; and the final three (3) Directors shall hold

office for three (3) years; and, in each foregoing case, until their respective successors are duly

elected and qualified, or until their earlier resignation or removal. At the first meeting of the initial

Board, the Directors shall determine each of their respective terms hereunder by a drawing.

(b) Succeeding Boards. After the election of the initial Board as provided above,

succeeding Directors shall be elected to terms of three (3) years, except for any Director elected to

fill a vacancy in the remainder of the term. Before the term of a Director expires, a nominating

committee consisting of three Board Members whose terms are not expiring appointed by the Board

and two members of the Advisory Committee selected by the Advisory Committee shall select an

executive search firm to provide at least two (2) candidates to the

Issued by: James P. Torgerson, Issuing Officer

Issued on: July 12, 2001

Effective: \_\_\_\_\_ (Accepted by FERC Order dated September 16, 1998.)

Midwest ISO First Revised Sheet No. 179

FERC Electric Tariff, First Revised Rate Schedule No. 1

**APPENDIX F** 

nominating committee for each open Director position. Members may submit the names of

candidates directly to the nominating committee. The Nominating Committee shall then provide at

least two (2) candidates to the Board for each open position. The candidates for a specific Director

position shall have the same type of qualifications as the Director being replaced, as set forth in

Subparagraph 2 of this Paragraph A. At least thirty (30) days prior to the meeting of the Members

at which the Directors will be elected, the Board shall distribute to the Members a slate of

candidates consisting of one (1) candidate for each Director position to be filled. The Board shall

also provide the Members with information on the qualifications and experience of the candidate to

fill the Director seat for which each candidate is proposed. A candidate receiving a majority of the

votes cast by the Members shall be elected. Should the Members fail to elect a candidate from the

slate proposed by the Board, the Board shall prepare a new slate using the procedures set forth

above for consideration by the Members at a meeting of the Members to be called no later than

seventy-five (75) days after each election. Each Director shall serve until his successor shall have

been duly elected and qualified, or until his earlier resignation or removal. Vacancies on the Board

caused by a Director leaving office before the expiration of his term shall be filed by vote of the

Board, which shall choose a candidate having the same type of qualifications as his predecessor

from a list prepared by the nominating committee in consultation with an executive search firm

chosen by the nominating committee. A Director selected to fill such a vacancy shall serve out the

term of his predecessor.

Section 4.4. Chairman of the Board. The Board shall select from among its

members a Chairman of the Board. The Chairman shall serve in such capacity at the pleasure of the

Board until the first meeting of the Board following the next succeeding annual meeting of the

Issued by: James P. Torgerson, Issuing Officer

Issued on: July 12, 2001

Effective:

Original Sheet No. 179-A

**APPENDIX F** 

Members, or until his successor shall have been elected and have qualified. The Chairman of the

Board shall, unless otherwise determined by the Board, preside over all meetings of the Board and

Members, and shall sign, with the Secretary, certificates of membership, the issuance of which shall

have been authorized by the Board. The Chairman shall perform all duties incident to the office of

Issued by: James P. Torgerson, Issuing Officer

Issued on: July 12, 2001

Effective: \_\_\_\_\_ (Accepted by FERC Order dated September 16, 1998.)

Original Sheet No. 180

APPENDIX F

Chairman of the Board and such other duties as from time to time may be assigned to him by the

Board.

**Section 4.5.** Vice Chairman. The Board shall select from among its members a

Vice Chairman of the Board. The Vice Chairman shall serve in such capacity at the pleasure of the

Board until its first meeting following the next succeeding annual meeting of the Members, or until

his successor shall have been elected and have qualified. In the absence of the Chairman of the

Board, or in the event of his inability or refusal to act, the Vice Chairman shall perform the duties of

the Chairman of the Board, and, when so acting, shall have all the powers of, and be subject to all

the restrictions upon, the Chairman of the Board. The Vice Chairman shall also perform such other

duties as from time to time may be assigned to him by the Board.

Section 4.6. Resignation of Directors. Any Director may resign his office by

submitting a signed notice of resignation, delivered or mailed to the principal office of the Midwest

ISO. Such notice of resignation shall state the effective date of resignation. If the notice does not

indicate an effective date, the resignation shall take effect upon receipt of the notice at the principal

office of the Midwest ISO.

Issued by: James P. Torgerson, Issuing Officer

Issued on: November 20, 2000

Effective:

Original Sheet No. 181

APPENDIX F

**Section 4.7.** *Removal of Directors.* (a) Removal by Members. The Members may

remove a Director by a vote of a majority of the Members. Removal proceedings may only be

initiated by a petition signed by not less than twenty percent (20%) of all Members. The petition

shall state the specific grounds for removal. A copy of the petition shall be provided to the

FERC and to each appropriate state regulatory authority. A Director sought to be removed shall

be given fifteen (15) days to respond in writing to any charges set forth in the petition. The

petition shall specify either that the removal vote shall be taken at the next regular meeting of the

Members or at a special meeting of the Members at a designated date, place, and time.

(b) Removal by Owners for Unauthorized Acts. If the Board of the Midwest ISO

changes, or attempts to change, any of the provisions of the Midwest ISO Agreement identified

in Article Two, Section IX, Paragraph C of the Midwest ISO Agreement without obtaining the

requisite approval of the Owners as specified therein, or if the Board fails to enact these Bylaws

or enacts any Bylaws contrary to the Midwest ISO Agreement, or if the Board fails or refuses to

fulfill the duties owed to the Owners set forth in Article Three, Section III, Paragraphs B and C

of the Midwest ISO Agreement, then the Board shall be deemed to have acted without

authorization, and may be removed in its entirety by unanimous vote of the Owners' Committee

(established by

Issued by: James P. Torgerson, Issuing Officer

Midwest ISO

FERC Electric Tariff, First Revised Rate Schedule No. 1

Original Sheet No. 182

APPENDIX F

Article Two, Section VI, Paragraph B of the Midwest ISO Agreement), provided that such

removal shall be subject to approval by the FERC. Removal proceedings hereunder shall be

initiated only by the delivery by the Owners' Committee to the Chairman of the Board of a

statement specifying in detail the manner in which the Board has acted without authorization.

The Board shall have sixty (60) days to respond to such a statement, after which the Owners

may, by unanimous vote of the Owners' Committee, reaffirm their proposal to remove the Board

if they are not satisfied with the Board's response. If the Owners vote unanimously to reaffirm

their proposal, they shall file such proposal with the FERC and provide notice to the appropriate

state regulatory authorities. Upon the FERC's approval of such proposal, the Board shall be

removed in its entirety and a new Board shall be selected in accordance with the provisions for

the selection of an initial Board specified in these Bylaws. The new Board so selected shall have

all of the powers specified herein as belonging to the Board, including the power to replace the

President and other Officers, employees, or agents of the Midwest ISO chosen by the removed

Board or its predecessors. Nothing herein shall be deemed to prejudice any right any Owner

may otherwise have under the FPA or other provisions of law.

**Section 4.8.** *Meetings; Notification.* Regular meetings of the Board shall be held at

least quarterly, and other meetings shall be held from time to time on the call of the President,

Chairman, or a majority of the

Issued by: James P. Torgerson, Issuing Officer

Original Sheet No. 183

APPENDIX F

Board. A Director may participate in a meeting personally or by electronic means. Written notice

of the date, location, and time of each meeting of the Board must be provided by first-class mail or

by telefacsimile to each Director no later than seven (7) calendar days prior to the date of the

meeting. Participation in a meeting by a Director is a waiver of any objection that the Director may

make to any failure to give adequate notice under this provision. Any action required or permitted

to be taken at any meeting of the Board, or of any Board Committee, may be taken without a

meeting if all Directors or Board Committee members, as the case may be, consent thereto in

writing, and the writing or writings are filed with the minutes of proceedings of the Board or Board

Committee. Consistent with the Midwest ISO Agreement, the Board shall have all procedural

authority provided and options available under Title 8 of the Delaware Corporation Law,

section 141, as such law may be amended or, any successor provision thereto.

**Section 4.9.** *Quorum; Voting.* Five (5) Directors shall constitute a quorum of the

Board. Except as provided in Section 4.7 of these Bylaws, the affirmative vote of a majority of the

Directors present at a meeting is required to constitute any act or decision rendered by the Board.

**Section 4.10.** Accounting. At each quarterly meeting of the Board, or such other

time as the Board directs, the Board shall require

Issued by: James P. Torgerson, Issuing Officer

Midwest ISO

FERC Electric Tariff, First Revised Rate Schedule No. 1

Original Sheet No. 184

APPENDIX F

the President to submit for Board approval a full statement of the conditions of the Midwest ISO,

and all business transacted by it, and, when the statement is approved, shall cause a copy of it to be

sent to each Member.

Section 4.11. Minutes and Reports. The Board shall cause to be kept by the

Secretary, elected by it, accurate minutes of all meetings of the Board, Members, and Board

Committees. Insofar as non-Members of the Midwest ISO are concerned, these records shall be

conclusive for the Board of the facts and activities stated and recorded therein.

Section 4.12. Director Compensation and Expenses. Directors shall receive from

the Midwest ISO such compensation, regular or special, subject to the terms and conditions stated in

the Midwest ISO Agreement, Article Two, Section Three, Paragraph D, Subparagraph 1. The

independent executive search firm chosen to select a slate of candidates for election for Director

positions shall set Director compensation following such election, subject to approval of the

Members. If two-thirds (2/3) or more of the Members vote to reject the search firm's recommended

compensation, then the recommended compensation shall be rejected. In establishing the

compensation for the initial Board, if there are not yet Members, then a vote of two-thirds (2/3) or

more of the signatories to the

Issued by: James P. Torgerson, Issuing Officer

Issued on: November 20, 2000

Effective: