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~~Substitute Second Revised Service Agreement No. 2165~~
SA 2165 AMEREN-SETTLERS TRAIL GIA VERSION 31.0.0

EFFECTIVE 2/20/2015

THIRD REVISED SERVICE AGREEMENT NO. 2165

PUBLIC VERSION

Project G931/J276

AMENDED AND RESTATED

GENERATOR INTERCONNECTION AGREEMENT

entered into by the

~~Midwest~~Midcontinent Independent ~~Transmission~~ System Operator, Inc.,

Settlers Trail Wind Farm, LLC

And

Ameren Services Company
as agent for Ameren Illinois Company d/b/a Ameren Illinois

**GENERATOR INTERCONNECTION
AGREEMENT (GIA) (G931 expanded by J276)**

THIS AMENDED AND RESTATED GENERATOR INTERCONNECTION AGREEMENT (“GIA”) is made and entered into this ~~5th~~ 6th day of ~~April, 2011~~ February, 2015, by and between **Settlers Trail Wind Farm, LLC**, a limited liability company organized and existing under the laws of the State of Delaware (“Interconnection Customer”), and **Ameren Services Company** as agent for **Ameren Illinois Company** d/b/a **Ameren Illinois**, a corporation organized and existing under the laws of the State of Illinois (“Transmission Owner”), and the ~~Midwest~~ Midcontinent ~~Independent~~ ~~Transmission~~ **System Operator, Inc.**, a non-profit, non-stock corporation organized and existing under the laws of the State of Delaware (“Transmission Provider”) and replaces the original GIA executed on February 5, 2010 (“Original GIA”); and the amended and restated GIA dated April 5, 2011 (“Amended and Restated GIA”). Interconnection Customer, Transmission Owner and Transmission Provider each may be referred to as a “Party,” or collectively as the “Parties.”

RECITALS

WHEREAS, Transmission Provider operates and/or controls the Transmission System; and

WHEREAS, Interconnection Customer ~~intends to own,~~ owns, may lease and/or ~~control~~ controls and ~~operate~~ operates a Generating Facility identified as a “Generating Facility” in Appendix A to this GIA; and

WHEREAS, Transmission Owner owns or operates the Transmission System, whose operations are subject to the functional control of the Transmission Provider, to which the Interconnection Customer desires to connect the Generating Facility, and may therefore be required to construct certain Interconnection Facilities and Network Upgrades, as set forth in this GIA; and

WHEREAS, the Interconnection Customer ~~has~~ changed turbines in 2010 and Transmission Provider ~~has~~ determined that the change is non-material; and

WHEREAS, Transmission Provider and Transmission Owner performed the required Interconnection Studies completed in November 2009 and determined the Network Upgrades needed to provide Interconnection Service for Project G931; and

WHEREAS, the Transmission Provider, Transmission Owner, and G931 thereafter executed the Original GIA; and

WHEREAS, after the Original GIA was executed by the parties hereto, the Transmission Provider and Transmission Owner determined that an oversight occurred in the generation dispatch when the Interconnection Studies were performed. Thus a new study was performed that, in accordance with the applicable Transmission Owner reliability criteria, identified

additional Network Upgrades and Common Use Upgrades that are needed to provide Interconnection Service for the G931 Generating Facility; and

WHEREAS, the FERC accepted the Amended and Restated GIA through orders issued in 2011, 2013 and 2014; and

WHEREAS, Interconnection Customer's NR Interconnection Service is being increased pursuant to project J276 and the results of the DPP-2014-FEB-IL Group System Impact Study; and,

WHEREAS, Interconnection Customer, Transmission Owner and Transmission Provider have agreed to enter into this GIA for the purpose of interconnecting the Generating Facility with the Transmission System;

NOW, THEREFORE, in consideration of and subject to the mutual covenants contained herein, it is agreed:

ARTICLE 1. DEFINITIONS

When used in this GIA, terms with initial capitalization that are not defined in Article 1 shall have the meanings specified in the Article in which they are used. Those capitalized terms used in this GIA that are not otherwise defined in this GIA have the meaning set forth in the Tariff.

Adverse System Impact shall mean the negative effects due to technical or operational limits on conductors or equipment being exceeded that may compromise the safety and reliability of the electric system.

Affected System shall mean an electric transmission or distribution system or the electric system associated with an existing generating facility or of a higher queued Generating Facility, which is an electric system other than the Transmission Owner's Transmission System that ~~may~~ be affected by the Interconnection Request. An Affected System may or may not be subject to FERC jurisdiction.

Affected System Operator shall mean the entity that operates an Affected System.

Affiliate shall mean, with respect to a corporation, partnership or other entity, each such other corporation, partnership or other entity that directly or indirectly, through one or more intermediaries, controls, is controlled by, or is under common control with, such corporation, partnership or other entity.

Ancillary Services shall mean those services that are necessary to support the transmission of capacity and energy from resources to loads while maintaining reliable operation of the Transmission System in accordance with Good Utility Practice.

Applicable Laws and Regulations shall mean all duly promulgated applicable federal, state and local laws, regulations, rules, ordinances, codes, decrees, judgments, directives, or judicial or administrative orders, permits and other duly authorized actions of any Governmental Authority having jurisdiction over the Parties, their respective facilities and/or the respective services they provide.

Applicable Reliability Council shall mean the ~~reliability council~~ Regional Entity of NERC applicable to the Local Balancing Authority of the Transmission System to which the Generating Facility is directly interconnected.

Applicable Reliability Standards shall mean Reliability Standards approved by the Federal Energy Regulatory Commission (FERC) under section 215 of the Federal Power Act, as applicable.

Base Case shall mean the base case power flow, short circuit, and stability databases used for the Interconnection Studies by ~~the~~ Transmission Provider or Interconnection Customer.

Breach shall mean the failure of a Party to perform or observe any material term or condition of this GIA.

Breaching Party shall mean a Party that is in Breach of this GIA.

Business Day shall mean Monday through Friday, excluding Federal Holidays.

Calendar Day shall mean any day including Saturday, Sunday or a Federal Holiday.

Commercial Operation shall mean the status of a Generating Facility that has commenced generating electricity for sale, excluding electricity generated during Trial Operation.

Commercial Operation Date (COD) of a unit shall mean the date on which the Generating Facility commences Commercial Operation as agreed to by the Parties pursuant to Appendix E to this GIA.

Common Use Upgrade (CUU) shall mean an Interconnection Facility, Network Upgrade, System Protection Facility, or any other classified addition, alteration, or improvement on the Transmission System or the transmission system of an Affected System, not classified under Attachment FF as a Baseline Reliability Project, Market Efficiency Project, or Multi-Value Project, that is needed for the interconnection of multiple Interconnection Customers' Generating Facilities and which is the shared responsibility of such Interconnection Customers.

Confidential Information shall mean any proprietary or commercially or competitively sensitive information, trade secret or information regarding a plan, specification, pattern, procedure, design, device, list, concept, policy or compilation relating to the present or planned business of a Party, or any other information as specified in Article 22, which is designated as confidential by the Party supplying the information, whether conveyed orally, electronically, in writing, through inspection, or otherwise, that is received by another Party.

Default shall mean the failure of a Breaching Party to cure its Breach in accordance with Article 17 of this GIA.

Definitive Planning Phase Queue Position shall mean the order of a valid Interconnection Request, relative to all other pending valid Interconnection Requests, in the Definitive Planning Phase. The Definitive Planning Phase Queue Position is established based upon the date Interconnection Customer satisfies all of the requirements of Section 8.2 to enter the Definitive Planning Phase.

Demonstrated Capability shall mean the continuous net real power output that the Generating Facility is required to demonstrate in compliance with Applicable Reliability Standards.

Dispute Resolution shall mean the procedure for resolution of a dispute between or among the Parties in which they will first attempt to resolve the dispute on an informal basis.

Distribution System shall mean the Transmission Owner's facilities and equipment, or the Distribution System of another party that is interconnected with the Transmission Owner's Transmission System, if any, connected to the Transmission System, over which facilities ~~transmission service~~ [Transmission Service](#) or Wholesale Distribution Service under the Tariff is available at the time ~~the~~ Interconnection Customer has requested interconnection of a Generating Facility for the purpose of either transmitting electric energy in interstate commerce or selling electric energy at wholesale in interstate commerce and which are used to transmit electricity to ultimate usage points such as homes and industries directly from nearby generators or from interchanges with higher voltage transmission networks which transport bulk power over longer distances. The voltage levels at which distribution systems operate differ among Local Balancing Authorities and other entities owning distribution facilities interconnected to the Transmission System.

Distribution Upgrades shall mean the additions, modifications, and upgrades to the Distribution System at or beyond the Point of Interconnection to facilitate interconnection of the Generating Facility and render the delivery service necessary to ~~effect~~ [affect](#) Interconnection Customer's wholesale sale of electricity in interstate commerce. Distribution Upgrades do not include Interconnection Facilities.

Effective Date shall mean the date on which this GIA becomes effective upon execution by the Parties subject to acceptance by the Commission, or if filed unexecuted, upon the date specified by the Commission.

Emergency Condition shall mean a condition or situation: (1) that in the reasonable judgment of the Party making the claim is imminently likely to endanger, or is contributing to the endangerment of, life, property, or public health and safety; or (2) that, in the case of either Transmission Provider or Transmission Owner, is imminently likely (as determined in a non-discriminatory manner) to cause a material adverse effect on the security of, or damage to the Transmission System, Transmission Owner's Interconnection Facilities or the electric systems of others to which the Transmission System is directly connected; or (3) that, in the case of Interconnection Customer, is imminently likely (as determined in a non-discriminatory manner) to cause a material adverse effect on the security of, or damage to, the Generating Facility or Interconnection Customer's Interconnection Facilities. System restoration and blackstart shall be considered Emergency Conditions; provided that Interconnection Customer is not obligated by this GIA to possess blackstart capability. Any condition or situation that results from lack of sufficient generating capacity to meet load requirements or that results solely from economic conditions shall not constitute an Emergency Condition, unless one of the enumerated conditions or situations identified in this definition also exists.

[Energy Displacement Agreement shall mean an agreement between an Interconnection Customer with an existing generating facility on the Transmission Provider's Transmission System and an Interconnection Customer with a proposed Generating Facility seeking to interconnect with Net Zero Interconnection Service. The Energy Displacement Agreement specifies the term of operation, the Generating Facility Interconnection Service limit, and the mode of operation for energy production \(common or singular operation\).](#)

Energy Resource Interconnection Service (ER Interconnection Service) shall mean an Interconnection Service that allows ~~the~~ Interconnection Customer to connect its Generating Facility to the Transmission System or Distribution System, as applicable, to be eligible to deliver the Generating Facility's electric output using the existing firm or non-firm capacity of the Transmission System on an as available basis. Energy Resource Interconnection Service does not convey transmission service.

Engineering & Procurement (E&P) Agreement shall mean an agreement that authorizes ~~the~~ Transmission Owner to begin engineering and procurement of long lead-time items necessary for the establishment of the interconnection in order to advance the implementation of the Interconnection Request.

Environmental Law shall mean Applicable Laws or Regulations relating to pollution or protection of the environment or natural resources.

Federal Holiday shall mean a Federal Reserve Bank holiday for a Party that has its principal place of business in the United States and a Canadian Federal or Provincial banking holiday for a Party that has its principal place of business located in Canada.

Federal Power Act shall mean the Federal Power Act, as amended, 16 U.S.C. §§ 791a *et seq.*

FERC shall mean the Federal Energy Regulatory Commission, also known as Commission, or its successor.

Force Majeure shall mean any act of God, labor disturbance, act of the public enemy, war, insurrection, riot, fire, storm or flood, explosion, breakage or accident to machinery or equipment, any order, regulation or restriction imposed by governmental, military or lawfully established civilian authorities, or any other cause beyond a Party's control. A Force Majeure event does not include an act of negligence or intentional wrongdoing by the Party claiming Force Majeure.

Generating Facility shall mean Interconnection Customer's device(s) for the production [and/or storage for later injection](#) of electricity identified in the Interconnection Request, but shall not include the Interconnection Customer's Interconnection Facilities.

Generating Facility Capacity shall mean the net capacity of the Generating Facility and the aggregate net capacity of the Generating Facility where it includes multiple energy production devices.

Generator Interconnection Agreement (GIA) shall mean the form of interconnection agreement, set forth herein.

Generator Interconnection Procedures (GIP) shall mean the interconnection procedures set forth in Attachment X of the Tariff.

Generator Upgrades shall mean the additions, modifications, and upgrades to the electric system of an existing generating facility or of a higher queued Generating Facility at or beyond the Point of Interconnection to facilitate interconnection of the Generating Facility and render the ~~transmission service~~ Transmission Service necessary to affect Interconnection Customer's wholesale sale of electricity in interstate commerce.

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

Governmental Authority shall mean any federal, state, local or other governmental regulatory or administrative agency, court, commission, department, board, or other governmental subdivision, legislature, rulemaking board, tribunal, or other governmental authority having jurisdiction over the Parties, their respective facilities, or the respective services they provide, and exercising or entitled to exercise any administrative, executive, police, or taxing authority or power; provided, however, that such term does not include Interconnection Customer, Transmission Provider, Transmission Owner, or any Affiliate thereof.

Group Study(ies) shall mean the process whereby more than one Interconnection Request is studied together, instead of serially, for the purpose of conducting one or more of the required Studies.

Hazardous Substances shall mean any chemicals, materials or substances defined as or included in the definition of "hazardous substances," "hazardous wastes," "hazardous materials," "hazardous constituents," "restricted hazardous materials," "extremely hazardous substances," "toxic substances," "radioactive substances," "contaminants," "pollutants," "toxic pollutants" or words of similar meaning and regulatory effect under any applicable Environmental Law, or any other chemical, material or substance, exposure to which is prohibited, limited or regulated by any applicable Environmental Law.

HVDC Facilities shall mean the high voltage direct current transmission facilities, including associated alternating current facilities, if any, that are subject to Section 27A of the Tariff and that are specifically identified in (i) any Agency Agreement pertaining to such facilities between ~~the~~ Transmission Provider and ~~the~~ Transmission Owner that owns or operates such facilities, or (ii) in any other arrangement that permits or will permit ~~the~~ Transmission Provider to provide HVDC Service over such facilities as set forth in Section 27A of the Tariff.

HVDC Service shall mean Firm and Non-Firm Point-To-Point Transmission Service provided by ~~the~~ Transmission Provider on HVDC Facilities pursuant to Section 27A of the Tariff.

Initial Queue Position shall mean the order of a valid Interconnection Request, relative to all other pending valid Interconnection Requests. The Initial Queue Position is established based upon the date and time of receipt of the valid Interconnection Request by Transmission Provider.

Initial Synchronization Date shall mean the date upon which the Generating Facility is initially synchronized and upon which Trial Operation begins.

In-Service Date (ISD) shall mean the date upon which ~~the~~ Interconnection Customer reasonably expects it will be ready to begin use of the Transmission Owner's Interconnection Facilities to obtain backfeed power.

Interconnection Customer shall mean any entity, including ~~the~~ Transmission Provider, Transmission Owner or any of the Affiliates or subsidiaries of either, that proposes to interconnect its Generating Facility with the Transmission System.

Interconnection Customer's Interconnection Facilities (ICIF) shall mean all facilities and equipment, as identified in Appendix A of this GIA, that are located between the Generating Facility and the Point of Change of Ownership, including any modification, addition, or upgrades to such facilities and equipment necessary to physically and electrically interconnect the Generating Facility to the Transmission System or Distribution System, as applicable. Interconnection Customer's Interconnection Facilities are sole use facilities.

Interconnection Facilities shall mean the Transmission Owner's Interconnection Facilities and the Interconnection Customer's Interconnection Facilities. Collectively, Interconnection Facilities include all facilities and equipment between the Generating Facility and the Point of Interconnection, including any modification, additions or upgrades that are necessary to physically and electrically interconnect the Generating Facility to the Transmission System. Interconnection Facilities shall not include Distribution Upgrades, Generator Upgrades, Stand Alone Network Upgrades or Network Upgrades.

Interconnection Facilities Study shall mean a study conducted by ~~the~~ Transmission Provider, or its agent, for ~~the~~ Interconnection Customer to determine a list of facilities (including Transmission Owner's Interconnection Facilities, System Protection Facilities, and if such upgrades have been determined, Network Upgrades, Distribution Upgrades, Generator Upgrades, Common Use Upgrades, and upgrades on Affected Systems, as identified in the Interconnection System Impact Study), the cost of those facilities, and the time required to interconnect the Generating Facility with the Transmission System.

Interconnection Facilities Study Agreement shall mean the form of agreement contained in Appendix 4 of the Generator Interconnection Procedures for conducting the Interconnection Facilities Study.

Interconnection Feasibility Study shall mean a preliminary evaluation of the system impact of interconnecting the Generating Facility to the Transmission System.

Interconnection Request shall mean an Interconnection Customer's request, in the form of Appendix 1 to the Generator Interconnection Procedures, to interconnect a new Generating Facility, or to increase the capacity of, or make a Material Modification to the operating characteristics of, an existing Generating Facility that is interconnected with the Transmission System.

Interconnection Service shall mean the service provided by ~~the~~ Transmission Provider associated with interconnecting the Generating Facility to the Transmission System and enabling it to receive electric energy and capacity from the Generating Facility at the Point of Interconnection, pursuant to the terms of this GIA and, if applicable, the Tariff.

Interconnection Study (or Study) shall mean any of the studies described in the Generator Interconnection Procedures.

Interconnection Study Agreement shall mean the form of agreement contained in Attachment B to Appendix 1 of the Generator Interconnection procedures for conducting all studies required by the Generator Interconnection Procedures.

Interconnection System Impact Study shall mean an engineering study that evaluates the impact of the proposed interconnection on the safety and reliability of Transmission System and, if applicable, an Affected System. The study shall identify and detail the system impacts that would result if the Generating Facility were interconnected without project modifications or system modifications, focusing on the Adverse System Impacts identified in the Interconnection Feasibility Study, or to study potential impacts, including but not limited to those identified in the Scoping Meeting as described in the Generator Interconnection Procedures.

IRS shall mean the Internal Revenue Service.

Local Balancing Authority shall mean an operational entity or a Joint Registration Organization which is (i) responsible for compliance with the subset of NERC Balancing Authority Reliability Standards defined in the Balancing Authority Agreement for their local area within the ~~Midwest ISOMISO~~ Midwest ISOMISO Balancing Authority Area, (ii) a Party to Balancing Authority Agreement, excluding the ~~Midwest ISOMISO~~ Midwest ISOMISO, and (iii) ~~shown provided in Appendix A to~~ shown provided in Appendix A to the Balancing Authority Agreement.

Loss shall mean any and all damages, losses, claims, including claims and actions relating to injury to or death of any person or damage to property, demand, suits, recoveries, costs and expenses, court costs, attorney fees, and all other obligations by or to third parties, arising out of or resulting from the other Party's performance, or non-performance of its obligations under this GIA on behalf of the indemnifying Party, except in cases of gross negligence or intentional wrongdoing, by the indemnified party.

Material Modification shall mean those modifications that have a material impact on the cost or timing of any Interconnection Request with a later queue priority date.

Metering Equipment shall mean all metering equipment installed or to be installed at the Generating Facility pursuant to this GIA at the metering points, including but not limited to instrument transformers, MWh-meters, data acquisition equipment, transducers, remote terminal unit, communications equipment, phone lines, and fiber optics.

Monitoring and Consent Agreement shall mean an agreement that defines the terms and conditions applicable to a Generating Facility acquiring Net Zero Interconnection Service. The Monitoring and Consent Agreement will list the roles and responsibilities of an Interconnection Customer seeking to interconnect with Net Zero Interconnection Service and Transmission Owner to maintain the total output of the Generating Facility inside the parameters delineated in the GIA.

NERC shall mean the North American Electric Reliability Corporation or its successor organization.

Net Zero Interconnection Service shall mean a form of ER Interconnection Service that allows Interconnection Customer to alter the characteristics of an existing generating facility, with the consent of the existing generating facility, at the same POI such that the Interconnection Service limit remains the same.

Network Customer shall have that meaning as provided in the Tariff.

Network Resource shall mean any designated generating resource owned, purchased, or leased by a Network Customer under the ~~Network Integration Transmission Service~~ Tariff. Network Resources do not include any resource, or any portion thereof, that is committed for sale to third parties or otherwise cannot be called upon to meet the Network Customer's Network Load on a non-interruptible basis.

Network Resource Interconnection Service (NR Interconnection Service) shall mean an Interconnection Service that allows ~~the~~ Interconnection Customer to integrate its Generating Facility with the Transmission System in the same manner as for any Generating Facility being designated as a Network Resource. Network Resource Interconnection Service does not convey transmission service.

Network Upgrades shall mean the additions, modifications, and upgrades to the Transmission System required at or beyond the point at which the Interconnection Facilities connect to the Transmission System or Distribution System, as applicable, to accommodate the interconnection of the Generating Facility to the Transmission System. Network Upgrade shall not include any HVDC Facility Upgrades.

Notice of Dispute shall mean a written notice of a dispute or claim that arises out of or in connection with this GIA or its performance.

Operating Horizon Study shall mean an Interconnection System Impact Study that includes in service transmission and generation for an identified timeframe to determine either the available injection capacity of an Interconnection Request or Interconnection Facilities

and/or Transmission System changes required for the requested Interconnection Service.

Optional Interconnection Study shall mean a sensitivity analysis based on assumptions specified by ~~the~~ Interconnection Customer in the Optional Interconnection Study Agreement.

Optional Interconnection Study Agreement shall mean the form of agreement contained in Appendix 5 of the Generator Interconnection Procedures for conducting the Optional Interconnection Study.

Party or Parties shall mean Transmission Provider, Transmission Owner, Interconnection Customer, or any combination of the above.

Planning Horizon Study shall mean an Interconnection System Impact Study that includes a future year study to determine either the available injection capacity of an Interconnection Request or Interconnection Facilities and/or Transmission System changes required for the requested Interconnection Service.

Point of Change of Ownership (PCO) shall mean the point, as set forth in Appendix A to the Generator Interconnection Agreement, where the Interconnection Customer's Interconnection Facilities connect to the Transmission Owner's Interconnection Facilities.

Point of Interconnection (POI) shall mean the point, as set forth in Appendix A of the GIA, where the Interconnection Facilities connect to the Transmission System.

~~**Queue Position** shall mean the order of a valid Interconnection Request, relative to all other pending valid Interconnection Requests, that is established based upon the date and time of receipt of the valid Interconnection Request by the Transmission Provider.~~

Reasonable Efforts shall have that meaning as provided in the Tariff.

Regular Generator Interconnection System Impact Study is an option in the System Planning Analysis Phase where a study is performed under the same assumptions used in Section 8 of this GIP.

Scoping Meeting shall mean the meeting between representatives of ~~the~~ Interconnection Customer, Transmission Owner, Affected System Operator(s) and Transmission Provider conducted for the purpose of discussing alternative interconnection options, to exchange information including any transmission data and earlier study evaluations that would be reasonably expected to impact such interconnection options, to analyze such information, and to determine the potential feasible Points of Interconnection.

Shared Network Upgrade shall mean a Network Upgrade or Common Use Upgrade that is funded by an Interconnection Customer(s) and also benefits other Interconnection Customer(s) that are later identified as beneficiaries.

Site Control shall mean documentation reasonably demonstrating: (1) ownership of, a leasehold interest in, or a right to develop a site for the purpose of constructing the Generating Facility and when applicable (i.e. when Interconnection Customer is providing the site for the TOIFs and Network Upgrades at the POI) the Interconnection Facilities, and; (2) an option to purchase or acquire a leasehold site for such purpose; or (3) an exclusivity or other business relationship between Interconnection Customer and the entity having the right to sell, lease or grant Interconnection Customer the right to possess or occupy a site for such purpose. Such documentation must include a reasonable determination of sufficient land area to support the size and type of Generating Facility proposed. Such documentation must include a reasonable determination of sufficient land area to support the size and type of Generating Facility proposed.

Small Generating Facility shall mean a Generating Facility that has an aggregate net Generating Facility Capacity of no more than ~~20 MW~~ five MW and meets the requirements of Section 14 and Appendix 3 of the GIP.

Special Protection System (SPS) shall mean an automatic protection system or remedial action scheme designed to detect abnormal or predetermined system conditions, and take corrective actions other than and/or in addition to the isolation of faulted components, to maintain system reliability. Such action may include changes in demand (MW and MVar), energy (MWh and MVarh), or system configuration to maintain system stability, acceptable voltage, or power flows. An SPS does not include (a) underfrequency or undervoltage load shedding, (b) fault conditions that must be isolated, (c) out-of-step relaying not designed as an integral part of an SPS, or (d) Transmission Control Devices.

Stand Alone Network Upgrades shall mean Network Upgrades that an Interconnection Customer may construct without affecting day-to-day operations of the Transmission System during their construction. ~~The~~ Transmission Provider, Transmission Owner and ~~the~~ Interconnection Customer must agree as to what constitutes Stand Alone Network Upgrades and identify them in Appendix A to this GIA.

System Protection Facilities shall mean the equipment, including necessary protection signal communications equipment, required to protect (1) the Transmission System or other delivery systems or other generating systems from faults or other electrical disturbances occurring at the Generating Facility and (2) the Generating Facility from faults or other electrical system disturbances occurring on the Transmission System or on other delivery systems or other generating systems to which the Transmission System is directly connected.

Tariff shall mean the Transmission Provider's Tariff through which open access transmission service and Interconnection Service are offered, as filed with the Commission, and as amended or supplemented from time to time, or any successor tariff.

Transmission Control Devices shall mean a generally accepted transmission device that is planned and designed to provide dynamic control of electric system quantities, and are usually employed as solutions to specific system performance issues. Examples of such devices include fast valving, high response exciters, high voltage DC links, active or real power flow control and

reactive compensation devices using power electronics (e.g., unified power flow controllers), static var compensators, thyristor controlled series capacitors, braking resistors, and in some cases mechanically-switched capacitors and reactors. In general, such systems are not considered to be Special Protection Systems.

Transmission Owner shall mean that Transmission Owner as defined in the Tariff, which includes an entity that owns, leases or otherwise possesses an interest in the portion of the Transmission System at which ~~the~~ Interconnection Customer proposes to interconnect or otherwise integrate the operation of the Generating Facility. Transmission Owner should be read to include any Independent Transmission Company that manages the transmission facilities of ~~the~~ Transmission Owner and shall include, as applicable, the owner and/or operator of distribution facilities interconnected to the Transmission System, over which facilities transmission service or Wholesale Distribution Service under the Tariff is available at the time ~~the~~ Interconnection Customer requests Interconnection Service and to which ~~the~~ Interconnection Customer has requested interconnection of a Generating Facility for the purpose of either transmitting electric energy in interstate commerce or selling electric energy at wholesale in interstate commerce.

Transmission Provider shall mean the ~~Midwest~~ Midcontinent Independent ~~Transmission~~ System Operator, Inc. (~~the~~ “Midwest ISO (“MISO”)), the Regional Transmission Organization that controls or operates the transmission facilities of its transmission-owning members used for the transmission of electricity in interstate commerce and provides transmission service under the Tariff.

Transmission Owner’s Interconnection Facilities (TOIF) shall mean all facilities and equipment owned by ~~the~~ Transmission Owner from the Point of Change of Ownership to the Point of Interconnection as identified in Appendix A to this GIA, including any modifications, additions or upgrades to such facilities and equipment. Transmission Owner’s Interconnection Facilities are sole use facilities and shall not include Distribution Upgrades, Generator Upgrades, Stand Alone Network Upgrades or Network Upgrades.

Transmission System shall mean the facilities owned by ~~the~~ Transmission Owner and controlled or operated by ~~the~~ Transmission Provider or Transmission Owner that are used to provide ~~transmission service~~ Transmission Service (including HVDC Service) or Wholesale Distribution Service under the Tariff.

Trial Operation shall mean the period during which Interconnection Customer is engaged in on-site test operations and commissioning of the Generating Facility prior to Commercial Operation.

Variable Energy Resource shall mean a device for the production of electricity that is characterized by an energy source that: (1) is renewable; (2) cannot be stored by the facility owner or operator; and (3) has variability that is beyond the control of the facility owner or operator.

Wholesale Distribution Service shall have that meaning as provided in the Tariff. Wherever the term “transmission delivery service” is used, Wholesale Distribution Service shall also be implied.

ARTICLE 2. EFFECTIVE DATE, TERM AND TERMINATION

2.1 Effective Date. This GIA shall become effective upon execution by the Parties subject to acceptance by FERC (if applicable), or if filed unexecuted, upon the date specified by FERC. Transmission Provider shall promptly file this GIA with FERC upon execution in accordance with Article 3.1, if required.

2.2 Term of Agreement. Subject to the provisions of Article 2.3, this GIA shall remain in effect for a period of twenty-five (25) years from the Effective Date and shall be automatically renewed for each successive one-year period thereafter on the anniversary of the Effective Date.

2.3 Termination Procedures. This GIA may be terminated as follows:

2.3.1 **Written Notice.** This GIA may be terminated by Interconnection Customer after giving ~~the~~ Transmission Provider and Transmission Owner ninety (90) Calendar Days advance written notice or by Transmission Provider if the Generating Facility or a portion of the Generating Facility fails to achieve Commercial Operation for three (3) consecutive years following the Commercial Operation Date, or has ceased Commercial Operation for three (3) consecutive years, beginning with the last date of Commercial Operation for the Generating Facility, after giving ~~the~~ Interconnection Customer ninety (90) Calendar Days advance written notice. Where only a portion of the Generating Facility fails to achieve Commercial Operation for three (3) consecutive years following the Commercial Operation Date, Transmission Provider may only terminate that portion of the GIA. The Generating Facility will not be deemed to have ceased Commercial Operation for purposes of this Article 2.3.1 if ~~the~~ Interconnection Customer can document that it has taken other significant steps to maintain or restore operational readiness of the Generating Facility for the purpose of returning the Generating Facility to Commercial Operation as soon as possible.

2.3.1.1 Net Zero Interconnection Service. Where this GIA provides for Net Zero Interconnection Service and the Energy Displacement Agreement or the Monitoring and Consent Agreement required for Net Zero Interconnection Service are no longer in effect, Interconnection Customer shall immediately cease Commercial Operation of the Generating Facility and this GIA shall be deemed terminated.

~~2.3.2~~ **2.3.2** **Default.** Any Party may terminate this GIA in accordance with Article 17.

~~2.3.3~~ 2.3.3 Notwithstanding Articles 2.3.1 and 2.3.2, no termination shall become effective until the Parties have complied with all Applicable Laws and Regulations applicable to such termination, including the filing with FERC of a notice of termination of this GIA, if required, which notice has been accepted for filing by FERC.

2.4 Termination Costs. If a Party elects to terminate this GIA pursuant to Article 2.3 above, each Party shall pay all costs incurred for which that Party is responsible (including any cancellation costs relating to orders or contracts for Interconnection Facilities, applicable upgrades, and related equipment) or charges assessed by the other Parties, as of the date of the other Parties' receipt of such notice of termination, under this GIA. In the event of termination by a Party, the Parties shall use commercially Reasonable Efforts to mitigate the costs, damages and charges arising as a consequence of termination. Upon termination of this GIA, unless otherwise ordered or approved by FERC:

2.4.1 With respect to any portion of the Transmission Owner's Interconnection Facilities, Network Upgrades, System Protection Facilities, Distribution Upgrades, Generator Upgrades, and if so determined and made a part of this GIA, upgrades on Affected Systems, that have not yet been constructed or installed, ~~the~~ Transmission Owner shall to the extent possible and to the extent of Interconnection Customer's written notice under Article 2.3.1, cancel any pending orders of, or return, any materials or equipment for, or contracts for construction of, such facilities; provided that in the event Interconnection Customer elects not to authorize such cancellation, Interconnection Customer shall assume all payment obligations with respect to such materials, equipment, and contracts, and ~~the~~ Transmission Owner shall deliver such material and equipment, and, if necessary, assign such contracts, to Interconnection Customer as soon as practicable, at Interconnection Customer's expense. To the extent that Interconnection Customer has already paid Transmission Owner for any or all such costs of materials or equipment not taken by Interconnection Customer, Transmission Owner shall promptly refund such amounts to Interconnection Customer, less any costs, including penalties incurred by ~~the~~ Transmission Owner to cancel any pending orders of or return such materials, equipment, or contracts.

If an Interconnection Customer terminates this GIA, it shall be responsible for all costs incurred in association with that Interconnection Customer's interconnection, including any cancellation costs relating to orders or contracts for Interconnection Facilities and equipment, and other expenses including any upgrades or related equipment for which ~~the~~ Transmission Owner has incurred expenses and has not been reimbursed by ~~the~~ Interconnection Customer.

2.4.2 Transmission Owner may, at its option, retain any portion of such materials, equipment, or facilities that Interconnection Customer chooses not to accept delivery of, in which case Transmission Owner shall be responsible for all costs associated with procuring such materials, equipment, or facilities. If

Transmission Owner does not so elect, then Interconnection Customer shall be responsible for such costs.

2.4.3 With respect to any portion of the Interconnection Facilities, and any other facilities already installed or constructed pursuant to the terms of this GIA, Interconnection Customer shall be responsible for all costs associated with the removal, relocation, reconfiguration or other disposition or retirement of such materials, equipment, or facilities, and such other expenses actually incurred by Transmission Owner necessary to return the Transmission, Distribution or Generator System, as applicable, to safe and reliable operation.

2.5 Disconnection. Upon termination of this GIA, the Parties will take all appropriate steps to disconnect the Generating Facility from the Transmission or Distribution System, as applicable. All costs required to effectuate such disconnection shall be borne by the terminating Party, unless such termination resulted from the non-terminating Party's Default of this GIA or such non-terminating Party otherwise is responsible for these costs under this GIA.

2.6 Survival. This GIA shall continue in effect after termination to the extent necessary to provide for final billings and payments and for costs incurred hereunder, including billings and payments pursuant to this GIA; to permit the determination and enforcement of liability and indemnification obligations arising from acts or events that occurred while this GIA was in effect; and to permit each Party to have access to the lands of the other Party pursuant to this GIA or other applicable agreements, to disconnect, remove or salvage its own facilities and equipment.

ARTICLE 3. REGULATORY FILINGS

3.1 Filing. ~~The~~ Transmission Provider shall file this GIA (and any amendment hereto) with the appropriate Governmental Authority, if required. A Party may request that any information so provided be subject to the confidentiality provisions of Article 22. If that Party has executed this GIA, or any amendment thereto, the Party shall reasonably cooperate with Transmission Provider with respect to such filing and to provide any information reasonably requested by Transmission Provider needed to comply with applicable regulatory requirements.

ARTICLE 4. SCOPE OF SERVICE

4.1 Interconnection Product Options. Interconnection Customer has selected the following (checked) type of Interconnection Service:

Check: NZ or ER and/or X ~~ER~~ or X ~~NR~~ (See Appendix A for details)

4.1.1 Energy Resource Interconnection Service (ER Interconnection Service).

4.1.1.1 The Product. ER Interconnection Service allows Interconnection Customer to connect the Generating Facility to the Transmission or Distribution System, as applicable, and be eligible to deliver the Generating Facility's output using the existing firm or non-firm capacity of the Transmission System on an "as available" basis. To the extent Interconnection Customer wants to receive ER Interconnection Service, ~~the~~ Transmission Owner shall construct facilities consistent with the studies identified in Appendix A.

An Interconnection Customer seeking ER Interconnection Service for new or added capacity at a Generating Facility may be granted conditional ER Interconnection Service status to the extent there is such capacity available on the Transmission System to accommodate the Interconnection Customer's Generating Facility. At the request of ~~the~~ Interconnection Customer, conditional ER Interconnection Service status may be granted subject to the system being able to accommodate the interconnection without upgrades, until such time as a higher queued project(s) with a later service date affecting the same common elements is placed into service. The conditional ER Interconnection Service shall be terminated in the event ~~the~~ Interconnection Customer fails to fund the necessary studies and the Network Upgrades necessary to grant the Interconnection Customer's ER Interconnection Service upon the completion of higher queued projects involving the same common elements.

4.1.1.2 Transmission Delivery Service Implications. Under ER Interconnection Service, ~~the~~ Interconnection Customer will be eligible to inject power from the Generating Facility into and deliver power across the Transmission System on an "as available" basis up to the amount of MW identified in the applicable stability and steady state studies to the extent the upgrades initially required to qualify for ER Interconnection Service have been constructed. After that date FERC makes effective the ~~Midwest ISO's~~ [MISO's](#) Energy Market Tariff filed in Docket No. ER04-~~691-000~~, Interconnection Customer may place a bid to sell into the market up to the maximum identified Generating Facility output, subject to any conditions specified in the ~~interconnection service~~ [Interconnection Service](#) approval, and the Generating Facility will be dispatched to the extent the Interconnection Customer's bid clears. In all other instances, no transmission or other delivery service from the Generating Facility is assured, but ~~the~~ Interconnection Customer may obtain Point-To-Point Transmission Service, Network Integration Transmission Service or be used for secondary network transmission service, pursuant to the Tariff, up to the maximum output identified in the stability and steady state studies. In those instances, in

order for ~~the~~ Interconnection Customer to obtain the right to deliver or inject energy beyond the Point of Interconnection or to improve its ability to do so, transmission delivery service must be obtained pursuant to the provisions of the Tariff. The Interconnection Customer's ability to inject its Generating Facility output beyond the Point of Interconnection, therefore, will depend on the existing capacity of the Transmission or Distribution System as applicable, at such time as a ~~transmission service~~ [Transmission Service](#) request is made that would accommodate such delivery. The provision of Firm Point-To-Point Transmission Service or Network Integration Transmission Service may require the construction of additional Network or Distribution Upgrades.

4.1.2 Network Resource Interconnection Service (NR Interconnection Service).

4.1.2.1 The Product. ~~The~~ Transmission Provider must conduct the necessary studies and ~~the~~ Transmission Owner shall construct the facilities identified in Appendix A of this GIA, subject to the approval of Governmental Authorities, needed to integrate the Generating Facility in the same manner as for any Generating Facility being designated as a Network Resource.

4.1.2.2 Transmission Delivery Service Implications. NR Interconnection Service allows the Generating Facility to be designated by any Network Customer under the Tariff on the Transmission System as a Network Resource, up to the Generating Facility's full output, on the same basis as existing Network Resources that are interconnected to the Transmission or Distribution System, as applicable, and to be studied as a Network Resource on the assumption that such a designation will occur. Although NR Interconnection Service does not convey a reservation of ~~transmission service~~ [Transmission Service](#), any Network Customer can utilize ~~network service~~ [Network Integration Transmission Service](#) under the Tariff to obtain delivery of energy from the Generating Facility in the same manner as it accesses Network Resources. A Generating Facility receiving NR Interconnection Service may also be used to provide Ancillary Services after technical studies and/or periodic analyses are performed with respect to the Generating Facility's ability to provide any applicable Ancillary Services, provided that such studies and analyses have been or would be required in connection with the provision of such Ancillary Services by any existing Network Resource. However, if the Generating Facility has not been designated as a Network Resource by any Network Customer, it cannot be required to provide Ancillary Services except to the extent such requirements extend to all generating facilities that are similarly situated. The provision of Network Integration Transmission Service or Firm Point-To-Point Transmission Service may require additional studies and the construction of additional upgrades. Because such

studies and upgrades would be associated with a request for delivery service under the Tariff, cost responsibility for the studies and upgrades would be in accordance with FERC's policy for pricing transmission delivery services.

NR Interconnection Service does not necessarily provide ~~the~~ Interconnection Customer with the capability to physically deliver the output of its Generating Facility to any particular load on the Transmission System without incurring congestion costs. In the event of transmission or distribution constraints on the Transmission or Distribution System, as applicable, the Generating Facility shall be subject to the applicable congestion management procedures in the Transmission System in the same manner as Network Resources.

There is no requirement either at the time of study or interconnection, or at any point in the future, that the Generating Facility be designated as a Network Resource by a Network Customer or that ~~the~~ Interconnection Customer identify a specific buyer (or sink). To the extent a Network Customer does designate the Generating Facility as a Network Resource, it must do so pursuant to the Tariff.

Once an Interconnection Customer satisfies the requirements for obtaining NR Interconnection Service, any future ~~transmission service~~ [Transmission Service](#) request for delivery from the Generating Facility within the Transmission System of any amount of capacity and/or energy, up to the amount initially studied, will not require that any additional studies be performed or that any further upgrades associated with such Generating Facility be undertaken, regardless of whether such Generating Facility is ever designated by a Network Customer as a Network Resource and regardless of changes in ownership of the Generating Facility. To the extent ~~the~~ Interconnection Customer enters into an arrangement for long term ~~transmission service~~ [Transmission Service](#) for deliveries from the Generating Facility to customers other than the studied Network Customers, or for any Point-To-Point Transmission Service, such request may require additional studies and upgrades in order for ~~the~~ Transmission Provider to grant such request. However, the reduction or elimination of congestion or redispatch costs may require additional studies and the construction of additional upgrades.

To the extent ~~the~~ Interconnection Customer enters into an arrangement for long term ~~transmission service~~ [Transmission Service](#) for deliveries from the Generating Facility outside the Transmission System, such request may require additional studies and upgrades in order for ~~the~~ Transmission Provider to grant such request.

4.1.2.3 Conditional NR Interconnection Service. An Interconnection Customer seeking NR Interconnection Service for new or added capacity at a Generating Facility may be granted conditional NR Interconnection Service status to the extent there is such capacity available on the Transmission System to accommodate the Interconnection Customer's Generating Facility. At the request of ~~the~~ Interconnection Customer, conditional NR Interconnection Service status may be granted subject to the system being able to accommodate the interconnection without upgrades, until such time as higher queued project(s) with a later service date affecting the same common elements is placed into service. The conditional NR Interconnection Service status may be converted to ER Interconnection Service if either of the following occurs:

- 1) ~~The~~ Interconnection Customer fails to fund necessary studies and Network Upgrades required to allow the Interconnection Customer's Generating Facility to receive NR Interconnection Service upon the completion of higher queued projects involving the same common elements; or
- 2) The higher queued project(s) or planned and required Network Upgrades are placed in service and the Network Upgrades required to provide NR Interconnection Service status to the Interconnection Customer's Generating Facility are not in service.

In the event ~~the~~ Interconnection Customer fails to fund the necessary studies and Network Upgrades for NR Interconnection Service, the Interconnection Customer's conditional NR Interconnection Service status shall be converted to ER Interconnection Service status unless ~~the~~ Interconnection Customer makes a new Interconnection Request. Such new Interconnection Request shall be evaluated in accordance with the GIP and its new queue position ~~priority~~.

Some or all of the conditional NR Interconnection Service status may be temporarily revoked if the Network Upgrades are not in service when the higher queued project(s) are placed in service. The availability of conditional NR Interconnection Service status will be determined by Transmission Provider's studies. Upon funding and completion of the Network Upgrades required to establish the Generating Facility's NR Interconnection Service status, the Generating Facility will be granted NR Interconnection Service status.

The Parties agree that the portion of the Generating Facility classified as NR Interconnection Service is the first portion of the output of the combined output of all the units at the Generating Facility except in circumstances where ~~the~~ Interconnection Customer otherwise elects ~~in the Agreement~~ [this GIA](#), as amended, to allocate that portion to the output of

specific unit(s) at the Generating Facility, the total of which will not exceed the output eligible for NR Interconnection Service as shown by the additional studies. To the extent Interconnection Customer desires to obtain NR Interconnection Service for any portion of the Generating Facility in addition to that supported by such additional studies, ~~the~~ Interconnection Customer will be required to request such additional NR Interconnection Service through a separate Interconnection Request in accordance with the GIP.

4.1.3 Net Zero Interconnection Service (NZ Interconnection Service).

4.1.3.1 The Product. Net Zero Interconnection Service is restricted ER Interconnection Service that allows an Interconnection Customer to increase the gross generating capability at the same Point of Interconnection of an existing generating facility without increasing the existing Interconnection Service limit at that Point of Interconnection.

4.1.3.2 Transmission Delivery Service Implications. Net Zero Interconnection Service does not convey any right to deliver electricity to any specific customer or Point of Delivery.

- 4.2 Provision of Service.** Transmission Provider shall provide Interconnection Service for the Generating Facility at the Point of Interconnection.
- 4.3 Performance Standards.** Each Party shall perform all of its obligations under this GIA in accordance with Applicable Laws and Regulations, Applicable Reliability Standards, and Good Utility Practice. To the extent a Party is required or prevented or limited in taking any action by such regulations and standards, or if the obligations of any Party may become limited by a change in Applicable Laws and Regulations, Applicable Reliability Standards, and Good Utility Practice after the execution of this GIA, that Party shall not be deemed to be in Breach of this GIA for its compliance therewith. The Party so limited shall notify the other Parties whereupon ~~the~~ Transmission Provider shall amend this GIA in concurrence with the other Parties and submit the amendment to the Commission for approval.
- 4.4 No Transmission Delivery Service.** The execution of this GIA does not constitute a request for, ~~nor~~or the provision of, any transmission delivery service under the Tariff, and does not convey any right to deliver electricity to any specific customer or Point of Delivery.
- 4.5 Interconnection Customer Provided Services.** The services provided by Interconnection Customer under this GIA are set forth in Article 9.6 and Article 13.4.1. Interconnection Customer shall be paid for such services in accordance with Article 11.6.

ARTICLE 5. INTERCONNECTION FACILITIES ENGINEERING, PROCUREMENT, AND CONSTRUCTION

5.1 Options. Unless otherwise mutually agreed to between the Parties, Interconnection Customer shall select: 1) the In-Service Date, Initial Synchronization Date, and Commercial Operation Date based on a reasonable construction schedule that will allow sufficient time for design, construction, equipment procurement, and permit acquisition of Transmission System equipment or right-of-way; and 2) either Standard Option or Alternate Option set forth below for completion of the Transmission Owner's Interconnection Facilities, Network Upgrades, System Protection Facilities, Distribution Upgrades and Generator Upgrades, as applicable, and set forth in Appendix A, and such dates and selected option shall be set forth in Appendix B. The dates and selected option

shall be subject to the acceptance of ~~the~~ Transmission Owner taking into account the type of construction to be employed and the regulatory requirements of Governmental Authority, and does not convey any right to deliver electricity to any specific customer or Point of Delivery, including the need to obtain permits or other authorizations for construction of the Interconnection Facilities, Network Upgrades, System Protection Facilities, Distribution Upgrades, Generator Upgrades, the Generating Facility and Stand-Alone Network Upgrades.

5.1.1 Standard Option. ~~The~~ Transmission Owner shall design, procure, and construct the Transmission Owner's Interconnection Facilities, Network Upgrades, System Protection Facilities, Distribution Upgrades, and Generator Upgrades using Reasonable Efforts to complete the Transmission Owner's Interconnection Facilities, Network Upgrades, System Protection Facilities, Distribution Upgrades and Generator Upgrades by the dates set forth in Appendix B, Milestones, subject to the receipt of all approvals required from Governmental Authorities and the receipt of all land rights necessary to commence construction of such facilities, and such other permits or authorizations as may be required. ~~The~~ Transmission Provider or Transmission Owner shall not be required to undertake any action which is inconsistent with its standard safety practices, its material and equipment specifications, its design criteria and construction procedures, its labor agreements, Applicable Laws and Regulations and Good Utility Practice. In the event ~~the~~ Transmission Owner reasonably expects that it will not be able to complete the Transmission Owner's Interconnection Facilities, Network Upgrades, System Protection Facilities, Distribution Upgrades and Generator Upgrades by the specified dates, ~~the~~ Transmission Owner shall promptly provide written notice to ~~the~~ Interconnection Customer and Transmission Provider and shall undertake Reasonable Efforts to meet the earliest dates thereafter.

5.1.2 Alternate Option. If the dates designated by Interconnection Customer are acceptable to Transmission Provider and Transmission Owner, ~~the~~ Transmission Provider shall so notify Interconnection Customer within thirty (30) Calendar Days, and Transmission Owner shall assume responsibility for the design,

procurement and construction of the Transmission Owner's Interconnection Facilities by the designated dates.

If Transmission Owner subsequently fails to complete the Transmission Owner's Interconnection Facilities by the In-Service Date, to the extent necessary to provide back feed power; or fails to complete Network Upgrades by the Initial Synchronization Date to the extent necessary to allow for Trial Operation at full power output, unless other arrangements are made by the Parties for such Trial Operation; or fails to complete the Network Upgrades by the Commercial Operation Date, as such dates are reflected in Appendix B, Milestones; Transmission Owner shall pay Interconnection Customer liquidated damages in accordance with Article 5.3, Liquidated Damages, provided, however, the dates designated by Interconnection Customer shall be extended day for day for each ~~day~~ Calendar Day that ~~the~~ Transmission Provider refuses to grant clearances to install equipment.

~~The~~ Transmission Owner and Interconnection Customer may adopt an incentive payment schedule that is mutually agreeable to encourage ~~the~~ Transmission Owner to meet specified accelerated dates. Such payment by ~~the~~ Interconnection Customer is not subject to refund.

- 5.1.3 Option to Build. If the dates designated by Interconnection Customer are not acceptable to Transmission Owner to complete the Transmission Owner's Interconnection Facilities or Stand Alone Network Upgrades, ~~the~~ Transmission Provider shall so notify ~~the~~ Interconnection Customer within thirty (30) Calendar Days, and unless the Parties agree otherwise, Interconnection Customer shall have the option to assume responsibility for the design, procurement and construction of the Transmission Owner's Interconnection Facilities and Stand Alone Network Upgrades by the dates originally designated by ~~the~~ Interconnection Customer under Article 5.1.2. The Parties must agree as to what constitutes Stand Alone Network Upgrades and identify such Stand Alone Network Upgrades in Appendix A. Except for Stand Alone Network Upgrades, Interconnection Customer shall have no right to construct Network Upgrades under this option.
- 5.1.4 Negotiated Option. If ~~the~~ Interconnection Customer elects not to exercise its option under Article 5.1.3, Option to Build, Interconnection Customer shall so notify Transmission Provider and Transmission Owner within thirty (30) Calendar Days, and the Parties shall in good faith attempt to negotiate terms and conditions (including revision of the specified dates and liquidated damages, the provision of incentives or the procurement and construction of a portion of the Transmission Owner's Interconnection Facilities and Stand Alone Network Upgrades by Interconnection Customer) pursuant to which Transmission Owner is responsible for the design, procurement and construction of the Transmission Owner's Interconnection Facilities and Network Upgrades. If the Parties are unable to reach agreement on such terms and conditions, Transmission Owner shall assume responsibility for the design, procurement and construction of the

Transmission Owner's Interconnection Facilities and Network Upgrades pursuant to 5.1.1, Standard Option.

~~The~~ Transmission Owner and Interconnection Customer may adopt an incentive payment schedule that is mutually agreeable to encourage ~~the~~ Transmission Owner to meet specified accelerated dates. Such payment by ~~the~~ Interconnection Customer is not subject to refund.

5.2 General Conditions Applicable to Option to Build. If Interconnection Customer assumes responsibility for the design, procurement and construction of the Transmission Owner's Interconnection Facilities and Stand Alone Network Upgrades after receipt of all required approvals from Governmental Authorities necessary to commence construction,

(1) ~~the~~ Interconnection Customer shall engineer, procure equipment, and construct the Transmission Owner's Interconnection Facilities and Stand Alone Network Upgrades (or portions thereof) using Good Utility Practice and using standards and specifications provided in advance by ~~the~~ Transmission Owner, or as required by any Governmental Authority;

(2) Interconnection Customer's engineering, procurement and construction of the Transmission Owner's Interconnection Facilities and Stand Alone Network Upgrades shall comply with all requirements of law or Governmental Authority to which Transmission Owner would be subject in the engineering, procurement or construction of the Transmission Owner's Interconnection Facilities and Stand Alone Network Upgrades;

(3) Transmission Provider, at Transmission Provider's option, and Transmission Owner shall be entitled to review and approve the engineering design, equipment acceptance tests (including witnessing of acceptance tests), and the construction (including monitoring of construction) of the Transmission Owner's Interconnection Facilities and Stand Alone Network Upgrades, and shall have the right to reject any design, procurement, construction or acceptance test of any equipment that does not meet the standards and specifications of Transmission Provider, Transmission Owner and any Governmental Authority;

(4) prior to commencement of construction, Interconnection Customer shall provide to Transmission Provider and Transmission Owner a schedule for construction of the Transmission Owner's Interconnection Facilities and Stand Alone Network Upgrades, and shall promptly respond to requests for information from Transmission Provider and Transmission Owner;

(5) at any time during construction, Transmission Provider and Transmission Owner shall have unrestricted access to the construction site for the Transmission ~~Provider's~~ Owner's Interconnection Facilities and Stand Alone Network Upgrades and to conduct inspections of the same;

(6) at any time during construction, should any phase of the engineering, equipment procurement, or construction of the Transmission Owner's Interconnection Facilities and Stand Alone Network Upgrades not meet the standards and specifications provided by Transmission Owner, ~~the~~ Interconnection Customer shall be obligated to remedy deficiencies in that portion of the Transmission Owner's Interconnection Facilities and Stand Alone Network Upgrades to meet the standards and specifications provided by Transmission Provider and Transmission Owner;

(7) ~~the~~ Interconnection Customer shall indemnify ~~the~~ Transmission Provider and Transmission Owner for claims arising from the Interconnection Customer's construction of the Transmission Owner's Interconnection Facilities and Stand Alone Network Upgrades under the terms and procedures applicable to Article 18.1, Indemnity;

(8) ~~the~~ Interconnection Customer shall transfer control of the Transmission Owner's Interconnection Facilities and Stand Alone Network Upgrades to ~~the~~ Transmission Owner;

(9) Unless Parties otherwise agree, Interconnection Customer shall transfer ownership of the Transmission Owner's Interconnection Facilities and Stand Alone Network Upgrades to ~~the~~ Transmission Owner;

(10) Transmission Provider, at Transmission Provider's option, and Transmission Owner shall approve and accept for operation and maintenance the Transmission Owner's Interconnection Facilities and Stand Alone Network Upgrades to the extent engineered, procured, and constructed in accordance with this Article 5.2 only if the Transmission Owner's Interconnection Facilities and Stand Alone Network Upgrades meet the standards and specifications of Transmission Provider, Transmission Owner and any Governmental Authority.

(11) Interconnection Customer shall deliver to Transmission ~~Provider~~Owner "as-~~built~~" drawings, information, and any other documents that are reasonably required by Transmission ~~Provider~~Owner to assure that the Interconnection Facilities and Stand-~~Alone~~ Network Upgrades are built to the standards and specifications required by Transmission ~~Provider~~Owner.

5.3 Liquidated Damages. The actual damages to ~~the~~ Interconnection Customer, in the event the Transmission Owner's Interconnection Facilities or Network Upgrades are not completed by the dates designated by ~~the~~ Interconnection Customer and accepted by ~~the~~ Transmission Provider and Transmission Owner pursuant to subparagraphs 5.1.2 or 5.1.4, above, may include Interconnection Customer's fixed operation and maintenance costs and lost opportunity costs. Such actual damages are uncertain and impossible to determine at this time. Because of such uncertainty, any liquidated damages paid by ~~the~~ Transmission Owner to ~~the~~ Interconnection Customer in the event that Transmission

Owner does not complete any portion of the Transmission Owner's Interconnection Facilities or Network Upgrades by the applicable dates, shall be an amount equal to ½ of 1 percent per day of the actual cost of the Transmission Owner's Interconnection Facilities and Network Upgrades, in the aggregate, for which Transmission Owner has assumed responsibility to design, procure and construct.

However, in no event shall the total liquidated damages exceed 20 percent of the actual cost of the Transmission Owner's Interconnection Facilities and Network Upgrades for which ~~the~~ Transmission Owner has assumed responsibility to design, procure, and construct. The foregoing payments will be made by ~~the~~ Transmission Owner to ~~the~~ Interconnection Customer as just compensation for the damages caused to ~~the~~ Interconnection Customer, which actual damages are uncertain and impossible to determine at this time, and as reasonable liquidated damages, but not as a penalty or a method to secure performance of this GIA. Liquidated damages, when the Parties agree to them, are the exclusive remedy for the Transmission Owner's failure to meet its schedule.

No liquidated damages shall be paid to Interconnection Customer if: (1) Interconnection Customer is not ready to commence use of the Transmission Owner's Interconnection Facilities or Network Upgrades to take the delivery of power for the Generating Facility's Trial Operation or to export power from the Generating Facility on the specified dates, unless ~~the~~ Interconnection Customer would have been able to commence use of the Transmission Owner's Interconnection Facilities or Network Upgrades to take the delivery of power for Generating Facility's Trial Operation or to export power from the Generating Facility, but for Transmission Owner's delay; (2) the Transmission Owner's failure to meet the specified dates is the result of the action or inaction of ~~the~~ Transmission Provider, ~~the~~ Interconnection Customer or any other earlier queued Interconnection Customer who has entered into an earlier GIA with ~~the~~ Transmission Provider and/or a Transmission Owner or with an Affected System Operator, or any cause beyond Transmission Owner's reasonable control or reasonable ability to cure; (3) ~~the~~ Interconnection Customer has assumed responsibility for the design, procurement and construction of the Transmission Owner's Interconnection Facilities and Stand Alone Network Upgrades; (4) the delay is due to the inability of ~~the~~ Transmission Owner to obtain all required approvals from Governmental Authorities in a timely manner for the construction of any element of the Interconnection Facilities, Network Upgrades or Stand Alone Network Upgrades, or any other permit or authorization required, or any land rights or other private authorizations that may be required, and Transmission Owner has exercised Reasonable Efforts in procuring such approvals, permits, rights or authorizations; or (5) the Parties have otherwise agreed.

5.4 Power System Stabilizers. ~~The~~ Interconnection Customer shall procure, install, maintain and operate power system stabilizers in accordance with the guidelines and procedures established by the Applicable Reliability Council. Transmission Provider and Transmission Owner reserve the right to reasonably establish minimum acceptable settings for any installed power system stabilizers, subject to the design and operating limitations of the Generating Facility. If the Generating Facility's power system

stabilizers are removed from service or are not capable of automatic operation, ~~the~~ Interconnection Customer shall immediately notify the Transmission Provider's system operator, or its designated representative. The requirements of this paragraph shall not apply to induction generators.

5.5 Equipment Procurement. If responsibility for construction of the Transmission Owner's Interconnection Facilities, Network Upgrades and/or Distribution Upgrades is to be borne by ~~the~~ Transmission Owner, then ~~the~~ Transmission Owner shall commence design of the Transmission Owner's Interconnection Facilities, Network Upgrades and/or Distribution Upgrades, and procure necessary equipment as soon as practicable after all of the following conditions are satisfied, unless the Parties otherwise agree in writing:

5.5.1 ~~The~~ Transmission Provider has completed the Interconnection Facilities Study pursuant to the Interconnection Facilities Study Agreement; [and](#)

5.5.2 ~~The Transmission Provider has received written authorization from the Interconnection Customer by the date specified in Appendix B, Milestones, for Transmission Owner to proceed with design and procurement; and~~

~~5.5.3—The~~ Interconnection Customer has provided security to ~~the~~ Transmission Owner, ~~with notice provided to Transmission Provider~~, in accordance with Article 11.5 by the dates specified in Appendix B, Milestones.

5.6 Construction Commencement. ~~The~~ Transmission Owner shall commence construction of the Transmission Owner's Interconnection Facilities, Network Upgrades, Transmission Owner's System Protection Facilities, Distribution Upgrades, and Generator Upgrades for which it is responsible as soon as practicable after the following additional conditions are satisfied:

5.6.1 Approval of the appropriate Governmental Authority has been obtained for any facilities requiring regulatory approval; [and](#)

5.6.2 ~~Necessary real property rights and rights-of-way have been obtained, to the extent required for the construction of a discrete aspect of the Transmission Owner's Interconnection Facilities, Network Upgrades and Distribution Upgrades;~~

~~5.6.3—The~~ Transmission Provider has received written authorization from the Interconnection Customer by the date specified in Appendix B, Milestones, for Transmission Owner to proceed with its construction; and

~~5.6.4—The~~ [Where applicable](#), Interconnection Customer has provided security to ~~the~~ Transmission Owner, ~~with notice to Transmission Provider~~, in accordance with Article 11.5 by the dates specified in Appendix B, Milestones.

5.7 Work Progress. Transmission Owner and Interconnection Customer will keep each other and Transmission Provider advised periodically as to the progress of their

respective design, procurement and construction efforts. Either Transmission Owner or Interconnection Customer may, at any time, request a progress report from the other, with a copy to be provided to the other Parties. If, at any time, ~~the~~ Interconnection Customer determines that the completion of the Transmission Owner's Interconnection Facilities, Network Upgrades, or Transmission Owner's System Protection Facilities will not be required until after the specified In-Service Date, ~~the~~ Interconnection Customer will provide written notice to ~~the~~ Transmission Provider and Transmission Owner of such later date upon which the completion of the Transmission Owner's Interconnection Facilities, Network Upgrades or Transmission Owner's System Protection Facilities will be required. ~~The~~ Transmission Owner may delay the In-Service Date of its facilities accordingly.

5.8 Information Exchange. As soon as reasonably practicable after the Effective Date, the Parties shall exchange information regarding the design and compatibility of the Interconnection Facilities and compatibility of the Interconnection Facilities with the Transmission System or Distribution System, as applicable, and shall work diligently and in good faith to make any necessary design changes.

5.9 Limited Operation. If any of the Transmission Owner's Interconnection Facilities, Network Upgrades, or Transmission Owner's System Protection Facilities, Distribution Upgrades or Generator Upgrades are not reasonably expected to be completed prior to the Commercial Operation Date of the Generating Facility, Transmission Provider shall, upon the request and at the expense of Interconnection Customer, perform ~~Operating Studies~~[operating studies](#) on a timely basis to determine the extent to which the Generating Facility and the Interconnection ~~Customer~~[Customer's](#) Interconnection Facilities may operate prior to the completion of the Transmission Owner's Interconnection Facilities, Network Upgrades, Transmission Owner's System Protection Facilities, Distribution Upgrades or Generator Upgrades consistent with Applicable Laws and Regulations, Applicable Reliability Standards, Good Utility Practice, and this GIA. Transmission Provider and Transmission Owner shall permit Interconnection Customer to operate the Generating Facility and the Interconnection Customer's Interconnection Facilities in accordance with the results of such studies; provided, however, such studies reveal that such operation may occur without detriment to the Transmission System as then configured and in accordance with the safety requirements of Transmission Owner and any Governmental Authority.

[The maximum permissible output of the Generating Facility will be updated on a quarterly basis if the Network Upgrades necessary for the interconnection of the Generating Facility pursuant to this GIA are not in service within six \(6\) months following the Commercial Operation Date of the Generating Facility as specified in Appendix B of this GIA. These quarterly studies will be performed using the same methodology set forth in Section 11.5 of the GIP. These quarterly updates will end when all Network Upgrades necessary for the interconnection of the Generating Facility pursuant to this GIA are in service.](#)

5.10 Interconnection Customer's Interconnection Facilities (“ICIF”). Interconnection Customer shall, at its expense, design, procure, construct, own and install the ICIF, as set forth in Appendix A.

5.10.1 Interconnection Customer’s Interconnection Facility Specifications. Interconnection Customer shall submit initial design and specifications for the ICIF, including Interconnection Customer’s System Protection Facilities, to Transmission Provider and Transmission Owner at least one hundred eighty (180) Calendar Days prior to the Initial Synchronization Date; and final design and specifications for review and comment at least ninety (90) Calendar Days prior to the Initial Synchronization Date. Transmission Provider at Transmission Provider’s option, and Transmission Owner shall review such specifications to ensure that the ICIF are compatible with their respective technical specifications, operational control, and safety requirements and comment on such design and specifications within thirty (30) Calendar Days of Interconnection Customer's submission. All specifications provided hereunder shall be deemed confidential.

5.10.2 Transmission Provider’s and Transmission Owner’s Review. Transmission Provider’s and Transmission Owner’s review of Interconnection Customer's final specifications shall not be construed as confirming, endorsing, or providing a warranty as to the design, fitness, safety, durability or reliability of the Generating Facility, or the ICIF. Interconnection Customer shall make such changes to the ICIF as may reasonably be required by Transmission Provider and Transmission Owner, in accordance with Good Utility Practice, to ensure that the ICIF are compatible with the technical specifications, operational control and safety requirements of Transmission Provider and Transmission Owner.

5.10.3 ICIF Construction. The ICIF shall be designed and constructed in accordance with Good Utility Practice. Within one hundred twenty (120) Calendar Days after the Commercial Operation Date, unless the Parties agree on another mutually acceptable deadline, ~~the~~ Interconnection Customer shall deliver to ~~the~~ Transmission Provider and Transmission Owner “as-built” drawings, information and documents for the ICIF, such as: a one-line diagram, a site plan showing the Generating Facility and the ICIF, plan and elevation drawings showing the layout of the ICIF, a relay functional diagram, relaying AC and DC schematic wiring diagrams and relay settings for all facilities associated with the Interconnection Customer's step-up transformers, the facilities connecting the Generating Facility to the step-up transformers and the ICIF, and the impedances (determined by factory tests) for the associated step-up transformers and the Generating Facility. ~~The~~ Interconnection Customer shall provide Transmission Provider and Transmission Owner with Interconnection Customer’s specifications for the excitation system, automatic voltage regulator, Generating Facility control and protection settings, transformer tap settings, and communications, if applicable.

5.11 Transmission Owner's Interconnection Facilities Construction. The Transmission Owner's Interconnection Facilities shall be designed and constructed in accordance with Good Utility Practice. Upon request, within one hundred twenty (120) Calendar Days after the Commercial Operation Date, unless the Parties agree on another mutually acceptable deadline, ~~the~~ Transmission Owner shall deliver to ~~the~~ Transmission Provider (if requested) and Interconnection Customer the ~~following~~ "as-built" drawings, information and documents for the Transmission Owner's Interconnection Facilities specified in Appendix C to this GIA.

Such drawings, information and documents shall be deemed Confidential Information.

Upon completion, the Transmission Owner's Interconnection Facilities and Stand Alone Network Upgrades shall be under the control of ~~the~~ Transmission Provider or its designated representative.

5.12 **Access Rights.** Upon reasonable notice by a Party, and subject to any required or necessary regulatory approvals, a Party ("Granting Party") shall furnish *at no cost* to the other Party ("Access Party") any rights of use, licenses, rights of way and easements with respect to lands owned or controlled by the Granting Party, its agents (if allowed under the applicable agency agreement), or any Affiliate, that are necessary to enable the Access Party to obtain ingress and egress to construct, operate, maintain, repair, test (or witness testing), inspect, replace or remove facilities and equipment to: (i) interconnect the Generating Facility with the Transmission System; (ii) operate and maintain the Generating Facility, the Interconnection Facilities and the Transmission System; and (iii) disconnect or remove the Access Party's facilities and equipment upon termination of this GIA. In exercising such licenses, rights of way and easements, the Access Party shall not unreasonably disrupt or interfere with normal operation of the Granting Party's business and shall adhere to the safety rules and procedures established in advance, as may be changed from time to time, by the Granting Party and provided to the Access Party.

5.13 **Lands of Other Property Owners.** If any part of the Transmission Owner's Interconnection Facilities, Network Upgrades, and/or Distribution Upgrades is to be installed on property owned by persons other than Interconnection Customer or Transmission Owner, ~~the~~ Transmission Owner shall at Interconnection Customer's expense use efforts, similar in nature and extent to those that it typically undertakes on its own behalf or on behalf of its Affiliates, including use of its eminent domain authority to the extent permitted and consistent with Applicable Laws and Regulations and, to the extent consistent with such Applicable Laws and Regulations, to procure from such persons any rights of use, licenses, rights of way and easements that are necessary to construct, operate, maintain, test, inspect, replace or remove the Transmission Owner's Interconnection Facilities, Network Upgrades and/or Distribution Upgrades upon such property.

5.14 Permits. Transmission Provider or Transmission Owner and Interconnection Customer shall cooperate with each other in good faith in obtaining all permits, licenses and authorizations that are necessary to accomplish the interconnection in compliance with Applicable Laws and Regulations. With respect to this paragraph, Transmission Owner shall provide permitting assistance to ~~the~~ Interconnection Customer comparable to that provided to the Transmission Owner's own, or an ~~Affiliate's~~ Affiliate's, generation; to the extent that Transmission Owner or its Affiliate owns generation.

5.15 Early Construction of Base Case Facilities. ~~(~~ (Includes facilities required for all queued projects with ~~Interconnection Agreements~~ interconnection agreements). Interconnection Customer may request Transmission Owner to construct, and Transmission Owner shall construct, using Reasonable Efforts to accommodate Interconnection Customer's In-Service Date, all or any portion of any Network Upgrades, Transmission Owner's System Protection Facilities or Distribution Upgrades required for Interconnection Customer to be interconnected to the Transmission or Distribution System, as applicable, which are included in the Base Case of the Interconnection Facilities Study for ~~the~~ Interconnection Customer, and which also are required to be constructed for another Interconnection Customer with a prior GIA, but where such construction is not scheduled to be completed in time to achieve Interconnection Customer's In-Service Date. Any such Network Upgrades, System Protection Facilities or Distribution Upgrades are included in the facilities to be constructed and as set forth in Appendix A to this GIA to the extent they are reasonably known.

5.16 Suspension.

5.16.1 Interconnection Customer's Right to Suspend for Force Majeure Event;

Obligations. Provided that such suspension is permissible under the authorizations, permits or approvals granted for the construction of such Interconnection Facilities, Network Upgrades or Stand Alone Network Upgrades, Interconnection Customer will not suspend unless a Force Majeure event occurs.

Interconnection Customer must provide written notice of its request for suspension to Transmission Provider and Transmission Owner, and provide a description of the Force Majeure event that is acceptable to ~~the~~ Transmission Provider. Suspension will only apply to ~~the~~ Interconnection Customer milestones and Interconnection Facilities described in the ~~appendices~~ Appendices of this GIA. Prior to suspension, Interconnection Customer must also provide security acceptable to ~~the~~ Transmission Owner, equivalent to the higher of \$5 million or the total cost of all Network Upgrades, Transmission ~~Owner~~ Owner's System Protection Facilities, and Distribution Upgrades listed in Appendix A of this GIA. Network Upgrades and Transmission Owner's Interconnection Facilities will be constructed on the schedule described in the ~~appendices~~ Appendices of this GIA unless: (1) construction is prevented by the order of a Governmental Authority; (2) the Network Upgrades are not needed by any other project; or (3) Transmission Owner or Transmission Provider determines that a Force Majeure event prevents construction. In the event of (1), (2), or (3) security shall be

released upon the determination that the Network Upgrades will no longer be constructed.

If suspension occurs, the Transmission or Distribution System, as applicable, shall be left in a safe and reliable condition in accordance with Good Utility Practice and the Transmission Provider's and Transmission Owner's safety and reliability criteria. In such event, Interconnection Customer shall be responsible for all reasonable and necessary costs which Transmission Provider and Transmission Owner (i) have incurred pursuant to this GIA prior to the suspension and (ii) incur in suspending such work, including any costs incurred to perform such work as may be necessary to ensure the safety of persons and property and the integrity of the Transmission or Distribution System, as applicable, during such suspension and, if applicable, any costs incurred in connection with the cancellation or suspension of material, equipment and labor contracts which Transmission Provider and Transmission Owner cannot reasonably avoid; provided, however, that prior to canceling or suspending any such material, equipment or labor contract, Transmission Provider and Transmission Owner shall obtain Interconnection Customer's authorization to do so.

Transmission Provider and Transmission Owner shall each invoice Interconnection Customer for such costs pursuant to Article 12 and shall use Reasonable Efforts to minimize its costs. In the event Interconnection Customer suspends work by Transmission Owner required under this GIA pursuant to this Article 5.16, and has not requested Transmission Owner to recommence the work required under this GIA on or before the expiration of three (3) years following commencement of such suspension, this GIA shall be deemed terminated. The three-year period shall begin on the date the suspension is requested, or the date of the written notice to Transmission Provider, if no effective date is specified.

5.16.2 5.16.2 Effect of Missed Interconnection Customer Milestones. If Interconnection Customer fails to provide notice of suspension pursuant to Article 5.16, and Interconnection Customer fails to fulfill or complete any Interconnection Customer Milestone provided in Appendix B ("Milestone"), this constitutes a Breach under this GIA. Depending upon the consequences of the Breach and effectiveness of the cure pursuant to Article 17, the Transmission Owners' Milestones may be revised, following consultation with ~~the~~ Interconnection Customer, consistent with Reasonable Efforts, and in consideration of all relevant circumstances. Parties shall employ Reasonable Efforts to maintain their remaining respective Milestones.

5.16.3 5.16.3 Effect of Suspension; Parties Obligations. In the event that Interconnection Customer suspends work pursuant to this Article 5.16, no construction duration, timelines and schedules set forth in Appendix B shall be suspended during the period of suspension unless ordered by a Governmental Authority, with such order being the Force Majeure event causing the suspension. Should Interconnection Customer request that work be recommenced,

Transmission Owner shall be obligated to proceed with Reasonable Efforts and in consideration of all relevant circumstances including regional outage schedules, construction availability and material procurement in performing the work as described in Appendix A and Appendix B. Transmission Owner will provide Interconnection Customer with a revised schedule for the design, procurement, construction, installation and testing of the Transmission Owner's Interconnection Facilities and Network Upgrades. Upon any suspension by Interconnection Customer pursuant to Article 5.16, Interconnection Customer shall be responsible for only those costs specified in this Article 5.16.

5.17 Taxes.

5.17.1 Interconnection Customer Payments Not Taxable. The Parties intend that all payments or property transfers made by Interconnection Customer to Transmission Owner for the installation of the Transmission Owner's Interconnection Facilities, Network Upgrades, Transmission Owner's System Protection Facilities, Distribution Upgrades and Generator Upgrades shall be non-taxable, either as contributions to capital, or as an advance, in accordance with the Internal Revenue Code and any applicable state income tax laws and shall not be taxable as contributions in aid of construction or otherwise under the Internal Revenue Code and any applicable state income tax laws. To the extent that Transmission Owner is a limited liability company and not a corporation, and has elected to be taxed as a partnership, then the following shall apply: Transmission Owner represents, and the Parties acknowledge, that Transmission Owner is a limited liability company and is treated as a partnership for federal income tax purposes. Any payment made by Interconnection Customer to Transmission Owner for Network Upgrades is to be treated as an up front payment in accordance with Rev Proc 2005-35. It is anticipated by the parties that any amounts paid by Interconnection Customer to Transmission Owner for Network Upgrades will be reimbursed to Interconnection Customer in accordance with the terms of this GIA, provided Interconnection Customer fulfills its obligations under this GIA.

5.17.2 Representations and Covenants. In accordance with IRS Notice 2001-82 and IRS Notice 88-129, Interconnection Customer represents and covenants that (i) ownership of the electricity generated at the Generating Facility will pass to another party prior to the transmission of the electricity on the Transmission System, (ii) for income tax purposes, the amount of any payments and the cost of any property transferred to ~~the~~ Transmission Owner for the Transmission Owner's Interconnection Facilities will be capitalized by Interconnection Customer as an intangible asset and recovered using the straight-line method over a useful life of twenty (20) years, and (iii) any portion of the Transmission Owner's Interconnection Facilities that is a "dual-use intertie," within the meaning of IRS Notice 88-129, is reasonably expected to carry only a de minimis amount of electricity in the direction of the Generating Facility. For this purpose, "de minimis amount" means no more than 5 percent of the total power flows in both

directions, calculated in accordance with the “5 percent test” set forth in IRS Notice 88-129. This is not intended to be an exclusive list of the relevant conditions that must be met to conform to IRS requirements for non-taxable treatment.

At Transmission Owner’s request, Interconnection Customer shall provide Transmission Owner with a report from an independent engineer confirming its representation in clause (iii), above, with a copy to Transmission Provider. Transmission Owner represents and covenants that the cost of the Transmission Owner’s Interconnection Facilities paid for by Interconnection Customer will have no net effect on the base upon which rates are determined.

- 5.17.3 Indemnification for the Cost Consequences of Current Tax Liability Upon Transmission Owner. Notwithstanding Article 5.17.1 and to the extent permitted by law, Interconnection Customer shall protect, indemnify and hold harmless Transmission Owner from the cost consequences of any tax liability imposed against Transmission Owner as the result of payments or property transfers made by Interconnection Customer to Transmission Owner under this GIA for Interconnection Facilities, as well as any interest and penalties, other than interest and penalties attributable to any delay caused by Transmission Owner.

Transmission Owner shall not include a gross-up for the cost consequences of any current tax liability in the amounts it charges Interconnection Customer under this GIA unless (i) Transmission Owner has determined, in good faith, that the payments or property transfers made by Interconnection Customer to Transmission Owner should be reported as income subject to taxation or (ii) any Governmental Authority directs Transmission Owner to report payments or property as income subject to taxation; provided, however, that Transmission Owner may require Interconnection Customer to provide security for Interconnection Facilities, in a form reasonably acceptable to Transmission Owner (such as a parental guarantee or a letter of credit), in an amount equal to the cost consequences or any current tax liability under this Article 5.17. Interconnection Customer shall reimburse Transmission Owner for such costs on a fully grossed-up basis, in accordance with Article 5.17.4, within thirty (30) Calendar Days of receiving written notification from Transmission Owner of the amount due, including detail about how the amount was calculated.

The indemnification obligation shall terminate at the earlier of (1) the expiration of the ten-year testing period and the applicable statute of limitation, as it may be extended by ~~the~~ Transmission Owner upon request of the IRS, to keep these years open for audit or adjustment, or (2) the occurrence of a subsequent taxable event and the payment of any related indemnification obligations as contemplated by this Article 5.17.

- 5.17.4 Tax Gross-Up Amount. Interconnection Customer's liability for the cost consequences of any current tax liability under this Article 5.17 shall be

calculated on a fully grossed-up basis. Except as may otherwise be agreed to by the parties, this means that Interconnection Customer will pay Transmission Owner, in addition to the amount paid for the Interconnection Facilities, Network Upgrades, Transmission Owner's System Protection Facilities, and/or Distribution Upgrades, an amount equal to (1) the current taxes imposed on Transmission Owner ("Current Taxes") on the excess of (a) the gross income realized by Transmission Owner as a result of payments or property transfers made by Interconnection Customer to Transmission Owner under this GIA (without regard to any payments under this Article 5.17) (the "Gross Income Amount") over (b) the present value of future tax deductions for depreciation that will be available as a result of such payments or property transfers (the "Present Value Depreciation Amount"), plus (2) an additional amount sufficient to permit ~~the~~ Transmission Owner to receive and retain, after the payment of all Current Taxes, an amount equal to the net amount described in clause (1).

For this purpose, (i) Current Taxes shall be computed based on Transmission Owner's composite federal and state tax rates at the time the payments or property transfers are received and Transmission Owner will be treated as being subject to tax at the highest marginal rates in effect at that time (the "Current Tax Rate"), and (ii) the Present Value Depreciation Amount shall be computed by discounting Transmission Owner's anticipated tax depreciation deductions as a result of such payments or property transfers by Transmission Owner's current weighted average cost of capital. Thus, the formula for calculating Interconnection Customer's liability to Transmission Owner pursuant to this Article 5.17.4 can be expressed as follows: $(\text{Current Tax Rate} \times (\text{Gross Income Amount} - \text{Present Value of Tax Depreciation})) / (1 - \text{Current Tax Rate})$. Interconnection Customer's estimated tax liability in the event taxes are imposed shall be stated in Appendix A, Interconnection Facilities, Network Upgrades and Distribution Upgrades.

5.17.5 Private Letter Ruling or Change or Clarification of Law. At Interconnection Customer's request and expense, Transmission Owner shall file with the IRS a request for a private letter ruling as to whether any property transferred or sums paid, or to be paid, by Interconnection Customer to Transmission Owner under this GIA are subject to federal income taxation. Interconnection Customer will prepare the initial draft of the request for a private letter ruling, and will certify under penalties of perjury that all facts represented in such request are true and accurate to the best of Interconnection Customer's knowledge. Transmission Owner and Interconnection Customer shall cooperate in good faith with respect to the submission of such request.

Transmission Owner shall keep Interconnection Customer fully informed of the status of such request for a private letter ruling and shall execute either a privacy act waiver or a limited power of attorney, in a form acceptable to the IRS, that authorizes Interconnection Customer to participate in all discussions with the IRS regarding such request for a private letter ruling. Transmission Owner shall allow Interconnection Customer to attend all meetings with IRS officials about the

request and shall permit Interconnection Customer to prepare the initial drafts of any follow-up letters in connection with the request.

5.17.6 Subsequent Taxable Events. If, within 10 years from the date on which the relevant Transmission Owner's Interconnection Facilities are placed in service, (i) Interconnection Customer breaches the covenant contained in Article 5.17.2, (ii) a "disqualification event" occurs within the meaning of IRS Notice 88-129, or (iii) this GIA terminates and Transmission Owner retains ownership of the Interconnection Facilities, Network Upgrades, Transmission Owner's System Protection Facilities, and/or Distribution Upgrades, ~~the~~ Interconnection Customer shall pay a tax gross-up for the cost consequences of any current tax liability imposed on Transmission Owner, calculated using the methodology described in Article 5.17.4 and in accordance with IRS Notice 90-~~60~~.

5.17.7 Contests. In the event any Governmental Authority determines that Transmission Owner's receipt of payments or property constitutes income that is subject to taxation, Transmission Owner shall notify Interconnection Customer, in writing, within thirty (30) Calendar Days of receiving notification of such determination by a Governmental Authority. Upon the timely written request by Interconnection Customer and at Interconnection Customer's sole expense, Transmission Owner may appeal, protest, seek abatement of, or otherwise oppose such determination. Upon Interconnection Customer's written request and sole expense, Transmission Owner shall file a claim for refund with respect to any taxes paid under this Article 5.17, whether or not it has received such a determination. Transmission Owner reserves the right to make all decisions with regard to the prosecution of such appeal, protest, abatement or other contest, including the selection of counsel and compromise or settlement of the claim, but Transmission Owner shall keep Interconnection Customer informed, shall consider in good faith suggestions from Interconnection Customer about the conduct of the contest, and shall reasonably permit Interconnection Customer or an Interconnection Customer representative to attend contest proceedings.

Interconnection Customer shall pay to Transmission Owner on a periodic basis, as invoiced by Transmission Owner, Transmission Owner's documented reasonable costs of prosecuting such appeal, protest, abatement or other contest. At any time during the contest, Transmission Owner may agree to a settlement either with Interconnection Customer's consent or after obtaining written advice from nationally-recognized tax counsel, selected by Transmission Owner, but reasonably acceptable to Interconnection Customer, that the proposed settlement represents a reasonable settlement given the hazards of litigation. Interconnection Customer's obligation shall be based on the amount of the settlement agreed to by Interconnection Customer, or if a higher amount, so much of the settlement that is supported by the written advice from nationally-recognized tax counsel selected under the terms of the preceding sentence. The settlement amount shall be calculated on a fully grossed-up basis to cover any related cost consequences of the current tax liability. Any settlement without Interconnection Customer's

consent or such written advice will relieve Interconnection Customer from any obligation to indemnify Transmission Owner for the tax at issue in the contest.

5.17.8 Refund. In the event that (a) a private letter ruling is issued to Transmission Owner which holds that any amount paid or the value of any property transferred by Interconnection Customer to Transmission Owner under the terms of this GIA is not subject to federal income taxation, (b) any legislative change or administrative announcement, notice, ruling or other determination makes it reasonably clear to Transmission Owner in good faith that any amount paid or the value of any property transferred by Interconnection Customer to Transmission Owner under the terms of this GIA is not taxable to Transmission Owner, (c) any abatement, appeal, protest, or other contest results in a determination that any payments or transfers made by Interconnection Customer to Transmission Owner are not subject to federal income tax, or (d) if Transmission Owner receives a refund from any taxing authority for any overpayment of tax attributable to any payment or property transfer made by Interconnection Customer to Transmission Owner pursuant to this GIA, Transmission Owner shall promptly refund to Interconnection Customer the following:

(i) any payment made by Interconnection Customer under this Article 5.17 for taxes that is attributable to the amount determined to be non-taxable, together with interest thereon,

(ii) interest on any amounts paid by Interconnection Customer to Transmission Owner for such taxes which Transmission Owner did not submit to the taxing authority, calculated in accordance with the methodology set forth in 18 C.F.R. Section 35.19a(a)(2)(iii) from the date payment was made by Interconnection Customer to the date Transmission Owner refunds such payment to Interconnection Customer, and

(iii) with respect to any such taxes paid by Transmission Owner, any refund or credit Transmission Owner receives or to which it may be entitled from any Governmental Authority, interest (or that portion thereof attributable to the payment described in clause (i), above) owed to ~~the~~ Transmission Owner for such overpayment of taxes (including any reduction in interest otherwise payable by Transmission Owner to any Governmental Authority resulting from an offset or credit); provided, however, that Transmission Owner will remit such amount promptly to Interconnection Customer only after and to the extent that Transmission Owner has received a tax refund, credit or offset from any Governmental Authority for any applicable overpayment of income tax related to the Transmission Owner's Interconnection Facilities.

The intent of this provision is to leave both parties, to the extent practicable, in the event that no taxes are due with respect to any payment for Interconnection Facilities and Network Upgrades hereunder, in the

same position they would have been in had no such tax payments been made.

5.17.9 Taxes Other Than Income Taxes. Upon the timely request by Interconnection Customer, and at Interconnection Customer's sole expense, Transmission Owner shall appeal, protest, seek abatement of, or otherwise contest any tax (other than federal or state income tax) asserted or assessed against Transmission Owner for which Interconnection Customer may be required to reimburse Transmission Owner under the terms of this GIA. Interconnection Customer shall pay to Transmission Owner on a periodic basis, as invoiced by Transmission Owner, Transmission Owner's documented reasonable costs of prosecuting such appeal, protest, abatement, or other contest. Interconnection Customer and Transmission Owner shall cooperate in good faith with respect to any such contest. Unless the payment of such taxes is a prerequisite to an appeal or abatement or cannot be deferred, no amount shall be payable by Interconnection Customer to Transmission Owner for such taxes until they are assessed by a final, non-appealable order by any court or agency of competent jurisdiction. In the event that a tax payment is withheld and ultimately due and payable after appeal, Interconnection Customer will be responsible for all taxes, interest and penalties, other than penalties attributable to any delay caused by Transmission Owner.

5.18 Tax Status. Each Party shall cooperate with the other Parties to maintain each Party's tax status. Nothing in this GIA is intended to adversely affect any Party's tax-exempt status with respect to the issuance of bonds including, but not limited to, Local Furnishing Bonds.

5.19 Modification.

5.19.1 General. Either Party may undertake modifications to its facilities. If a Party plans to undertake a modification that reasonably may be expected to affect another Party's facilities, that Party shall provide to the other Parties sufficient information regarding such modification so that the other Parties may evaluate the potential impact of such modification prior to commencement of the work. Such information shall be deemed to be Confidential Information hereunder and shall include information concerning the timing of such modifications and whether such modifications are expected to interrupt the flow of electricity from the Generating Facility. The Party desiring to perform such work shall provide the relevant drawings, plans, and specifications to the other Parties at least ninety (90) Calendar Days in advance of the commencement of the work or such shorter period upon which the Parties may agree, which agreement shall not unreasonably be withheld, conditioned or delayed.

In the case of Generating Facility modifications that do not require Interconnection Customer to submit an Interconnection Request, Transmission Provider shall provide, within thirty (30) Calendar Days (or such other time as the Parties may agree), an estimate of any additional modifications to the

Transmission or Distribution System as applicable, Transmission Owner's Interconnection Facilities, Network Upgrades, Transmission Owner's System Protection Facilities, and/or Distribution Upgrades necessitated by such Interconnection Customer modification and a good faith estimate of the costs thereof which shall be the responsibility of ~~the~~ Interconnection Customer.

5.19.2 Standards. Any additions, modifications, or replacements made to a Party's facilities shall be designed, constructed and operated in accordance with this GIA and Good Utility Practice.

5.19.3 Modification Costs. Interconnection Customer shall not be directly assigned the costs of any additions, modifications, or replacements that Transmission Owner makes to the Transmission Owner's Interconnection Facilities, Network Upgrades, Transmission Owner's System Protection Facilities, Distribution Upgrades, or the Transmission or Distribution System, as applicable, to facilitate the interconnection of a third party to the Transmission Owner's Interconnection Facilities or the Transmission or Distribution System, as applicable, or to provide transmission service to a third party under the Tariff. Interconnection Customer shall be responsible for the costs of any additions, modifications, or replacements to the Interconnection Customer's Interconnection Facilities that may be necessary to maintain or upgrade such Interconnection Customer's Interconnection Facilities consistent with Applicable Laws and Regulations, Applicable Reliability Standards or Good Utility Practice.

ARTICLE 6. TESTING AND INSPECTION

6.1 Pre-Commercial Operation Date Testing and Modifications. Prior to the Commercial Operation Date, ~~the~~ Transmission Owner shall test the Transmission Owner's Interconnection Facilities, Network Upgrades, Transmission Owner's System Protection Facilities and Distribution Upgrades, and Interconnection Customer shall test each electric production device at the Generating Facility, Interconnection Customer's System Protection Facilities and the Interconnection Customer's Interconnection Facilities to ensure their safe and reliable operation. Similar testing may be required after initial operation. Transmission Owner and Interconnection Customer shall make any modifications to their respective facilities that are found to be necessary as a result of such testing. Interconnection Customer shall bear the cost of all such testing and modifications. Interconnection Customer shall generate test energy at the Generating Facility only if it has arranged for the delivery of such test energy.

6.2 Post-Commercial Operation Date Testing and Modifications. Each Party shall at its own expense perform routine inspection and testing of its facilities and equipment in accordance with Good Utility Practice as may be necessary to ensure the continued interconnection of the Generating Facility with the Transmission or Distribution System, as applicable, in a safe and reliable manner. Each Party shall have the right, upon advance written notice, to require reasonable additional testing of the Interconnection

Facilities, at the requesting Party's expense, as may be in accordance with Good Utility Practice.

6.3 Right to Observe Testing. Each Party shall notify the other Parties in advance of its performance of tests of its Interconnection Facilities. The other Parties shall each have the right, at its own expense, to observe such testing.

6.4 Right to Inspect. Each Party shall have the right, but shall have no obligation to: (i) observe Transmission Owner's and Interconnection Customer's tests and/or inspection of any of their respective System Protection Facilities and other protective equipment, including power system stabilizers; (ii) review the settings of the System Protection Facilities and other protective equipment; and (iii) review the maintenance records relative to the Interconnection Facilities, the System Protection Facilities and other protective equipment. A Party may exercise these rights from time to time as it deems necessary upon reasonable notice to the other Parties. The exercise or non-exercise by a Party of any such rights shall not be construed as an endorsement or confirmation of any element or condition of the Interconnection Facilities or the System Protection Facilities or other protective equipment or the operation thereof, or as a warranty as to the fitness, safety, desirability, or reliability of same. Any information that a Party obtains through the exercise of any of its rights under this Article 6.4 shall be deemed to be Confidential Information and treated pursuant to Article 22 of this GIA.

ARTICLE 7. METERING

7.1 General. Each Party shall comply with the Applicable Reliability Council requirements. Unless otherwise agreed by the Parties, Transmission Owner, at its election, or otherwise ~~the~~ Interconnection Customer, shall install Metering Equipment (the "Metering Party") at the Point of Interconnection prior to any operation of the Generating Facility and Transmission Owner, at its election, or otherwise ~~the~~ Interconnection Customer shall own, operate, test and maintain such Metering Equipment. Power flows to and from the Generating Facility shall be measured at or, at the Metering Party's option, compensated to, the Point of Interconnection. The Metering Party shall provide metering quantities, in analog and/or digital form, to the other Parties upon request. Interconnection Customer shall bear all reasonable documented costs associated with the purchase, installation, operation, testing and maintenance of the Metering Equipment.

7.2 Check Meters. Interconnection Customer, at its option and expense, may install and operate, on its premises and on its side of the Point of Interconnection, one or more check meters to check the Metering Equipment owned by the Metering Party. Such check meters shall be for check purposes only and shall not be used for the measurement of power flows for purposes of this GIA, except as provided in Article 7.4 below. The check meters shall be subject at all reasonable times to inspection and examination by Transmission Provider, Transmission Owner or their designees. The installation, operation and maintenance thereof shall be performed entirely by Interconnection Customer in accordance with Good Utility Practice.

7.3 Standards. The Metering Party shall install, calibrate, and test revenue quality Metering Equipment in accordance with applicable ANSI standards.

7.4 Testing of Metering Equipment. The Metering Party shall inspect and test Metering Equipment upon installation and at least once every two (2) years thereafter. If requested to do so by a Party, the Metering Party shall, at the requesting Party's expense, inspect or test Metering Equipment more frequently than every two (2) years. The Metering Party shall give reasonable notice to the other Parties of the time when any inspection or test shall take place, and the other Parties may have representatives present at the test or inspection. If at any time Metering Equipment is found to be inaccurate or defective, it shall be adjusted, repaired or replaced at Interconnection Customer's expense, in order to provide accurate metering, unless the inaccuracy or defect is due to the Metering Party's failure to maintain, then the Metering Party shall pay. If Metering Equipment fails to register, or if the measurement made by Metering Equipment during a test varies by more than two percent (2%) from the measurement made by the standard meter used in the test, the Metering Party shall adjust the measurements by correcting all measurements for the period during which Metering Equipment was in error by using Interconnection Customer's check meters, if installed. If no such check meters are installed or if the period cannot be reasonably ascertained, the adjustment shall be for the period immediately preceding the test of the Metering Equipment equal to one-half the time from the date of the previous test of the Metering Equipment.

7.5 Metering Data. At Interconnection Customer's expense, the metered data shall be telemetered to one or more locations designated by Transmission Provider and Transmission Owner and one or more locations designated by Interconnection Customer. Such telemetered data shall be used, under normal operating conditions, as the official measurement of the amount of energy delivered from the Generating Facility to the Point of Interconnection.

ARTICLE 8. COMMUNICATIONS

8.1 Interconnection Customer Obligations. Interconnection Customer shall maintain satisfactory operating communications with Transmission Provider's Transmission System dispatcher or representative designated by Transmission Provider. Interconnection Customer shall provide standard voice line, dedicated voice line and facsimile communications at its Generating Facility control room or central dispatch facility through use of either the public telephone system, or a voice communications system that does not rely on the public telephone system. Interconnection Customer shall also provide the dedicated data circuit(s) necessary to provide Interconnection Customer data to Transmission Provider as set forth in Appendix D, Security Arrangements Details. The data circuit(s) shall extend from the Generating Facility to the location(s) specified by Transmission Provider. Any required maintenance of such communications equipment shall be performed by and at the cost of Interconnection Customer. Operational communications shall be activated and maintained under, but not be limited

to, the following events: system paralleling or separation, scheduled and unscheduled shutdowns, equipment clearances, and hourly and daily load data.

Unless the Generating Facility is an Intermittent Resource not relying on wind as a fuel source, Interconnection Customer shall install communication and control equipment such that the Generating Facility can receive and respond to the appropriate dispatch signals while operating under the Tariff. Where applicable, the requirements of the communication and control equipment will be enumerated in Appendix C to this GIA.

- 8.2 Remote Terminal Unit- (RTU).** Prior to the Initial Synchronization Date of the Generating Facility, a ~~Remote Terminal Unit~~ remote terminal unit, or equivalent data collection and transfer equipment acceptable to both Parties, shall be installed by Interconnection Customer, or by Transmission Owner at Interconnection Customer's expense, to gather accumulated and instantaneous data to be telemetered to the location(s) designated by Transmission Owner and Transmission Provider through use of a dedicated point-to-point data circuit(s) as indicated in Article 8.1. The communication protocol for the data circuit(s) shall be specified by Transmission Owner and Transmission Provider. Instantaneous bi-directional analog real power and reactive power flow information must be telemetered directly to the location(s) specified by Transmission Provider and Transmission Owner.

Each Party will promptly advise the other Parties if it detects or otherwise learns of any metering, telemetry or communications equipment errors or malfunctions that require the attention and/or correction. The Party owning such equipment shall correct such error or malfunction as soon as reasonably feasible.

- 8.3 No Annexation.** Any and all equipment placed on the premises of a Party shall be and remain the property of the Party providing such equipment regardless of the mode and manner of annexation or attachment to real property, unless otherwise mutually agreed by the Parties.

- 8.4 Provision of Data from a Variable Energy Resource.** The Interconnection Customer whose Generating Facility is a Variable Energy Resource shall provide meteorological and forced outage data to the Transmission Provider to the extent necessary for the Transmission Provider's development and deployment of power production forecasts for that class of Variable Energy Resources. The Interconnection Customer with a Variable Energy Resource having wind as the energy source will, upon request by the Transmission Provider, be required to provide the Transmission Provider with site-specific meteorological data including: temperature, wind speed, wind direction, and atmospheric pressure. The Interconnection Customer with a Variable Energy Resource having solar as the energy source will, upon request by the Transmission Provider, be required to provide the Transmission Provider with site-specific meteorological data including: temperature, atmospheric pressure, and irradiance. The Transmission Provider and Interconnection Customer whose Generating Facility is a Variable Energy Resource shall mutually agree to any additional meteorological data that are required for the development and deployment of a power production forecast. The Interconnection

Customer whose Generating Facility is a Variable Energy Resource also shall submit data to the Transmission Provider regarding all forced outages to the extent necessary for the Transmission Provider's development and deployment of power production forecasts for that class of Variable Energy Resources. The exact specifications of the meteorological and forced outage data to be provided by the Interconnection Customer to the Transmission Provider, including the frequency and timing of data submittals, shall be made taking into account the size and configuration of the Variable Energy Resource, its characteristics, location, and its importance in maintaining generation resource adequacy and transmission system reliability in its area. All requirements for meteorological and forced outage data must be commensurate with the power production forecasting employed by the Transmission Provider. Data requirements for meteorological and forced outage data will be negotiated by the Transmission Provider and the Interconnection Customer, and will be set forth in Appendix C, Interconnection Details, of this GIA.

ARTICLE 9. OPERATIONS

- 9.1 General.** Each Party shall comply with the Applicable Reliability Council requirements. Each Party shall provide to any Party all information that may reasonably be required by that Party to comply with Applicable Laws and Regulations and Applicable Reliability Standards.
- 9.2 Local Balancing Authority Notification.** At least three (3) months before Initial Synchronization Date, ~~the~~ Interconnection Customer shall notify ~~the~~ Transmission Provider and Transmission Owner in writing of the Local Balancing Authority in which the Generating Facility will be located. If ~~the~~ Interconnection Customer elects to locate the Generating Facility through dynamic metering/scheduling in a Local Balancing Authority other than the Local Balancing Authority in which the Generating Facility is physically located, and if permitted to do so by the relevant transmission tariffs, all necessary arrangements, including but not limited to those set forth in Article 7 and Article 8 of this GIA, and remote Local Balancing Authority generator interchange agreements, if applicable, and the appropriate measures under such agreements, shall be executed and implemented prior to the placement of the Generating Facility in the other Local Balancing Authority.
- 9.3 Transmission Provider and Transmission Owner Obligations.** Transmission Provider shall cause the Transmission System and the Transmission Owner's Interconnection Facilities to be operated, maintained and controlled in a safe and reliable manner in accordance with this GIA. Transmission Provider, or its designee, may provide operating instructions to Interconnection Customer consistent with this GIA and ~~Transmission Provider's~~ the Tariff and, if applicable, Transmission Owner's operating protocols and procedures as they may change from time to time. Transmission Provider will consider changes to its operating protocols and procedures proposed by Interconnection Customer.

9.4 Interconnection Customer Obligations. Interconnection Customer shall at its own expense operate, maintain and control the Generating Facility and the Interconnection Customer's Interconnection Facilities in a safe and reliable manner and in accordance with this GIA. The Generating Facility must be operated in accordance with the operating limits, if any, in the Interconnection Facilities Study and specified in Appendix C of this GIA. Interconnection Customer shall operate the Generating Facility and the Interconnection Customer's Interconnection Facilities in accordance with all applicable requirements of ~~the~~ Transmission Provider or its designated Local Balancing Authority Operator of which the Generating Facility is part, as such requirements are set forth in Appendix C, Interconnection Details, of this GIA. Appendix C, Interconnection Details, will be modified to reflect changes to the requirements as they may change from time to time. Any Party may request that a Party provide copies of the requirements set forth in Appendix C, Interconnection Details, of this GIA.

9.5 Start-Up and Synchronization. Consistent with the Parties' mutually acceptable procedures, ~~the~~ Interconnection Customer is responsible for the proper synchronization of the Generating Facility to the Transmission or Distribution System, as applicable.

9.6 Reactive Power.

9.6.1 Power Factor Design Criteria. Interconnection Customer shall design the Generating Facility to be capable of maintaining a composite power delivery at continuous rated power output at the Point of Interconnection at all power factors over 0.95 leading to 0.95 lagging, unless Transmission Provider has established different requirements that apply to all generators in the Local Balancing Authority on a comparable basis. The applicable Local Balancing Authority power factor requirements are listed on the Transmission Provider's website at

<http://www.midwestmarket.org/page/Generator+Interconnection>

<https://www.misoenergy.org/Library/Repository/Study/Generator%20Interconnection/Reactive%20Generator%20Requirements.pdf>

and may be referenced in the Appendices to this GIA. The Generating Facility shall be capable of continuous dynamic operation throughout the power factor design range as measured at the Point of Interconnection. Such operation shall account for the net effect of all energy production devices on the Interconnection Customer's side of the Point of Interconnection. Unless demonstrated by study as indicated in Appendix C, the requirements of this Article 9.6.1 shall not apply to wind generators.

9.6.2 Voltage Schedules. Once ~~the~~ Interconnection Customer has synchronized the Generating Facility with the Transmission System, Transmission Provider shall require Interconnection Customer to operate the Generating Facility to produce or absorb reactive power within the design limitations of the Generating Facility set forth in Article 9.6.1 (Power Factor Design Criteria), to maintain the output

voltage or power factor at the Point of Interconnection as specified by ~~the~~ Transmission Provider. Transmission Provider's voltage schedules shall treat all sources of reactive power in the Local Balancing Authority in an equitable and not unduly discriminatory manner. Transmission Provider shall exercise Reasonable Efforts to provide Interconnection Customer with such schedules at least one (1) ~~day~~ Calendar Day in advance, and may make changes to such schedules as necessary to maintain the reliability of the Transmission or Distribution System as applicable. Interconnection Customer shall operate the Generating Facility to maintain the specified output voltage or power factor at the Point of Interconnection within the design limitations of the Generating Facility set forth in Article 9.6.1 (Power Factor Design Criteria). If Interconnection Customer is unable to maintain the specified voltage or power factor, it shall promptly notify Transmission Provider's system operator, or its designated representative.

9.6.2.1 Governors and Regulators. Whenever the Generating Facility is operated in parallel with the Transmission or Distribution System as applicable and the speed governors (if installed on the generating unit pursuant to Good Utility Practice) and voltage regulators are capable of operation, Interconnection Customer shall operate the Generating Facility with its speed governors and voltage regulators in automatic operation. If the Generating Facility's speed governors and voltage regulators are not capable of such automatic operation, ~~the~~ Interconnection Customer shall immediately notify Transmission Provider's system operator, or its designated representative, and ensure that such Generating Facility's reactive power production or absorption (measured in MVARs) are within the design capability of the Generating Facility's generating unit(s) and steady state stability limits. Interconnection Customer shall not cause its Generating Facility to disconnect automatically or instantaneously from the Transmission or Distribution System, as applicable, or trip any generating unit comprising the Generating Facility for an under or over frequency condition unless the abnormal frequency condition persists for a time period beyond the limits set forth in ANSI/IEEE Standard C37.106, or such other standard as applied to other generators in the Local Balancing Authority on a comparable basis.

9.6.3 Payment for Reactive Power. Payments for reactive power shall be pursuant to any tariff or rate schedule filed by ~~the~~ Transmission Provider and approved by the FERC.

9.7 Outages and Interruptions.

9.7.1 Outages.

9.7.1.1 Outage Authority and Coordination. Interconnection Customer and Transmission Owner may each in accordance with Good Utility Practice

in coordination with the other Party and Transmission Provider remove from service any of its respective Interconnection Facilities, System Protection Facilities, Network Upgrades, System Protection Facilities or Distribution Upgrades that may impact the other Party's facilities as necessary to perform maintenance or testing or to install or replace equipment. Absent an Emergency Condition, the Party scheduling a removal of such facility(ies) from service will use Reasonable Efforts to notify one another and schedule such removal on a date and time mutually acceptable to the Parties. In all circumstances, any Party planning to remove such facility(ies) from service shall use Reasonable Efforts to minimize the effect on the other Parties of such removal.

9.7.1.2 Outage Schedules. ~~The~~ Transmission Provider shall post scheduled outages of transmission facilities on the OASIS. Interconnection Customer shall submit its planned maintenance schedules for the Generating Facility to Transmission Provider and Transmission Owner for a minimum of a rolling twenty-four (24) month period in accordance with the Transmission Provider's procedures. Interconnection Customer shall update its planned maintenance schedules as necessary. Transmission Provider may request Interconnection Customer to reschedule its maintenance as necessary to maintain the reliability of the Transmission System; provided, however, adequacy of generation supply shall not be a criterion in determining Transmission System reliability.

Transmission Provider shall compensate, pursuant to applicable Transmission Provider tariff or rate schedule, Interconnection Customer for any additional direct costs that ~~the~~ Interconnection Customer incurs as a result of having to reschedule maintenance, including any additional overtime, breaking of maintenance contracts or other costs above and beyond the cost ~~the~~ Interconnection Customer would have incurred absent the Transmission Provider's request to reschedule maintenance. Interconnection Customer will not be eligible to receive compensation, if during the twelve (12) months prior to the date of the scheduled maintenance, ~~the~~ Interconnection Customer had modified its schedule of maintenance activities.

Costs shall be determined by negotiation between ~~the~~ Transmission Provider and Interconnection Customer prior to implementation of the voluntary change in outage schedules, or if such request is made by or on behalf of a Transmission Customer requesting firm service, costs and recovery of costs shall be determined through a bilateral agreement between the Transmission Customer and ~~the~~ Interconnection Customer. Voluntary changes to outage schedules under this Article 9.7.1.2 are separate from actions and compensation required under Article 13 and

for which costs are recovered in accordance with Transmission Provider's applicable tariff or rate schedule.

9.7.1.3 Outage Restoration. If an outage on either the Interconnection Customer's or Transmission Owner's Interconnection Facilities, Network Upgrades, System Protection Facilities or Distribution Upgrades adversely affects a Party's operations or facilities, the Party that owns or controls the facility that is out of service shall use Reasonable Efforts to promptly restore such facility(ies) to a normal operating condition consistent with the nature of the outage. The Party that owns or controls the facility that is out of service shall provide the other Parties, to the extent such information is known, information on the nature of the Emergency Condition, an estimated time of restoration, and any corrective actions required. Initial verbal notice shall be followed up as soon as practicable with written notice to the other Parties explaining the nature of the outage.

9.7.2 Interruption of Service. If required by Good Utility Practice to do so, Transmission Provider may require Interconnection Customer to interrupt or reduce deliveries of electricity if such delivery of electricity could adversely affect Transmission Provider's ability to perform such activities as are necessary to safely and reliably operate and maintain the Transmission System. The following provisions shall apply to any interruption or reduction permitted under this Article 9.7.2:

9.7.2.1 The interruption or reduction shall continue only for so long as reasonably necessary under Good Utility Practice;

9.7.2.2 Any such interruption or reduction shall be made on an equitable, non-discriminatory basis with respect to all generating facilities directly connected to the Transmission or Distribution System, as applicable;

9.7.2.3 When the interruption or reduction must be made under circumstances which do not allow for advance notice, Transmission Provider shall notify Interconnection Customer by telephone as soon as practicable of the reasons for the curtailment, interruption, or reduction, and, if known, its expected duration. Telephone notification shall be followed by written notification as soon as practicable;

9.7.2.4 Except during the existence of an Emergency Condition, when the interruption or reduction can be scheduled without advance notice, Transmission Provider shall notify Interconnection Customer in advance regarding the timing of such scheduling and further notify Interconnection Customer of the expected duration. Transmission Provider shall coordinate with ~~the~~ Interconnection Customer using Good Utility Practice to schedule the interruption or reduction during periods

of least impact to ~~the~~ Interconnection Customer, Transmission Owner and ~~the~~ Transmission Provider;

9.7.2.5 The Parties shall cooperate and coordinate with each other to the extent necessary in order to restore the Generating Facility, Interconnection Facilities, and the Transmission or Distribution System, as applicable to their normal operating state, consistent with system conditions and Good Utility Practice.

9.7.3 Under-Frequency and Over Frequency Conditions. The Transmission System is designed to automatically activate a load-shed program as required by the Applicable Reliability Council in the event of an under-frequency system disturbance. Interconnection Customer shall implement under-frequency and over-frequency relay set points for the Generating Facility as required by the Applicable Reliability Council to ensure “ride through” capability of the Transmission System. Generating Facility response to frequency deviations of pre-determined magnitudes, both under-frequency and over-frequency deviations, shall be studied and coordinated with ~~the~~ Transmission Provider in accordance with Good Utility Practice. The term "ride through" as used herein shall mean the ability of a Generating Facility to stay connected to and synchronized with the Transmission System during system disturbances within a range of under-frequency and over-frequency conditions, in accordance with Good Utility Practice.

9.7.4 System Protection and Other Control Requirements.

9.7.4.1 System Protection Facilities. Interconnection Customer shall, at its expense, install, operate and maintain its System Protection Facilities as a part of the Generating Facility or the Interconnection Customer’s Interconnection Facilities. Transmission Owner shall install at Interconnection Customer's expense any Transmission Owner’s System Protection Facilities that may be required on the Transmission Owner’s Interconnection Facilities or the Transmission Owner’s transmission or distribution facilities as a result of the interconnection of the Generating Facility and the Interconnection Customer’s Interconnection Facilities.

9.7.4.2 Interconnection Customer’s and Transmission Owner’s System Protection Facilities shall be designed and coordinated with Affected Systems in accordance with Good Utility Practice.

9.7.4.3 Each Party shall be responsible for protection of its facilities consistent with Good Utility Practice.

9.7.4.4 Each Party’s protective relay design shall incorporate the necessary test switches to perform the tests required in Article 6. The required test switches will be placed such that they allow operation of lockout relays

while preventing breaker failure schemes from operating and causing unnecessary breaker operations and/or the tripping of the Generating Facility.

9.7.4.5 Each Party will test, operate and maintain their respective System Protection Facilities in accordance with Good Utility Practice.

9.7.4.6 Prior to the In-Service Date, and again prior to the Commercial Operation Date, Interconnection Customer or Transmission Owner, or their respective agents, shall perform a complete calibration test and functional trip test of the System Protection Facilities. At intervals suggested by Good Utility Practice and following any apparent malfunction of the System Protection Facilities, Interconnection Customer or Transmission Owner shall each perform both calibration and functional trip tests of their respective System Protection Facilities. These tests do not require the tripping of any in-service generating unit. These tests do, however, require that all protective relays and lockout contacts be activated.

9.7.5 Requirements for Protection. In compliance with Good Utility Practice, Interconnection Customer shall provide, install, own, and maintain relays, circuit breakers and all other devices necessary to remove any fault contribution of the Generating Facility to any short circuit occurring on the Transmission or Distribution System, as applicable, not otherwise isolated by Transmission Owner's equipment, such that the removal of the fault contribution shall be coordinated with the protective requirements of the Transmission or Distribution System, as applicable. Such protective equipment shall include, without limitation, a disconnecting device or switch with load-interrupting capability located between the Generating Facility and the Transmission or Distribution System, as applicable, at a site selected upon mutual agreement (not to be unreasonably withheld, conditioned or delayed) of the Parties. Interconnection Customer shall be responsible for protection of the Generating Facility and Interconnection Customer's other equipment from such conditions as negative sequence currents, over- or under-frequency, sudden load rejection, over- or under-voltage, and generator loss-of-field. Interconnection Customer shall be solely responsible to disconnect the Generating Facility and Interconnection Customer's other equipment if conditions on the Transmission or Distribution System, as applicable, could adversely affect the Generating Facility.

9.7.6 Power Quality. Neither Party's facilities shall cause excessive voltage flicker nor introduce excessive distortion to the sinusoidal voltage or current waves as defined by ANSI Standard C84.1-1989, in accordance with IEEE Standard 519, or any applicable superseding electric industry standard. In the event of a conflict between ANSI Standard C84.1-1989, and any applicable superseding electric industry standard, the applicable superseding electric industry standard shall control.

9.8 Switching and Tagging Rules. Prior to the Initial Synchronization Date, each Party shall provide the other Parties a copy of its switching and tagging rules that are applicable to the other Parties' activities. Such switching and tagging rules shall be developed on a non-discriminatory basis. The Parties shall comply with applicable switching and tagging rules, as amended from time to time, in obtaining clearances for work or for switching operations on equipment.

9.9 Use of Interconnection Facilities by Other Parties.

9.9.1 Purpose of Interconnection Facilities. Except as may be required by Applicable Laws and Regulations, or as otherwise agreed to among the Parties, the Interconnection Facilities shall be constructed for the sole purpose of interconnecting the Generating Facility to the Transmission or Distribution System, as applicable, and shall be used for no other purpose.

9.9.2 Other Users. If required by Applicable Laws and Regulations or if the Parties mutually agree, such agreement not to be unreasonably withheld or delayed, to allow one or more ~~parties~~Parties to use the Transmission Owner's Interconnection Facilities, or any part thereof, Interconnection Customer will be entitled to compensation for the capital expenses it incurred in connection with the Interconnection Facilities based upon the pro rata use of the Interconnection Facilities by Transmission Owner, all non-~~party~~Party users, and Interconnection Customer, in accordance with Applicable Laws and Regulations or upon some other mutually-agreed upon methodology. In addition, cost responsibility for ongoing costs, including operation and maintenance costs associated with the Interconnection Facilities, will be allocated between Interconnection Customer and any non-~~party~~Party users based upon the pro rata use of the Interconnection Facilities by Transmission Owner, all non-~~party~~Party users, and Interconnection Customer, in accordance with Applicable Laws and Regulations or upon some other mutually agreed upon methodology. If the issue of such compensation or allocation cannot be resolved through such negotiations, it shall be submitted to Dispute Resolution pursuant to Section 12 of the Tariff.

9.10 Disturbance Analysis Data Exchange. The Parties will cooperate with one another in the analysis of disturbances to either the Generating Facility or the Transmission System by gathering and providing access to any information relating to any disturbance, including information from oscillography, protective relay targets, breaker operations and sequence of events records, and any disturbance information required by Good Utility Practice.

ARTICLE 10. MAINTENANCE

- 10.1 Transmission Owner Obligations.** Transmission Owner shall maintain the Transmission Owner's Interconnection Facilities in a safe and reliable manner and in accordance with this GIA and all Applicable Laws and Regulations.
- 10.2 Interconnection Customer Obligations.** Interconnection Customer shall maintain the Generating Facility and the Interconnection Customer's Interconnection Facilities in a safe and reliable manner and in accordance with this GIA and all Applicable Laws and Regulations.
- 10.3 Coordination.** The Parties shall confer regularly to coordinate the planning, scheduling and performance of preventive and corrective maintenance on the Generating Facility and the Interconnection Facilities.
- 10.4 Secondary Systems.** Each Party shall cooperate with the other in the inspection, maintenance, and testing of control or power circuits that operate below 600 volts, AC or DC, including, but not limited to, any hardware, control or protective devices, cables, conductors, electric raceways, secondary equipment panels, transducers, batteries, chargers, and voltage and current transformers that directly affect the operation of a Party's facilities and equipment which may reasonably be expected to impact another Party. Each Party shall provide advance notice to the other Parties before undertaking any work on such circuits, especially on electrical circuits involving circuit breaker trip and close contacts, current transformers, or potential transformers.
- 10.5 Operating and Maintenance Expenses.** Subject to the provisions herein addressing the use of facilities by others, and except for operations and maintenance expenses associated with modifications made for providing ~~interconnection~~[Interconnection Service](#) or ~~transmission-service~~[Transmission Service](#) to a non-~~party~~[Party](#) and such non-~~party~~[Party](#) pays for such expenses, Interconnection Customer shall be responsible for all reasonable expenses including overheads, associated with: (1) owning, operating, maintaining, repairing, and replacing Interconnection Customer's Interconnection Facilities; and (2) operation, maintenance, repair and replacement of Transmission Owner's Interconnection Facilities to the extent required by ~~the~~ Transmission Owner on a comparable basis.

ARTICLE 11. PERFORMANCE OBLIGATION

- 11.1 Interconnection Customer's Interconnection Facilities.** Interconnection Customer shall design, procure, construct, install, own and/or control the Interconnection Customer's Interconnection Facilities described in Appendix A at its sole expense.
- 11.2 Transmission Owner's Interconnection Facilities.** Transmission Owner shall design, procure, construct, install, own and/or control the Transmission Owner's Interconnection Facilities described in Appendix A at the sole expense of ~~the~~ Interconnection Customer.
- 11.3 Network Upgrades, System Protection Facilities and Distribution Upgrades.** Transmission Owner shall design, procure, construct, install, and own the Network

Upgrades, Transmission Owner's System Protection Facilities and Distribution Upgrades described in Appendix A. ~~The~~ Interconnection Customer shall be responsible for all costs related to Distribution Upgrades and/or Generator Upgrades. Transmission Owner shall provide ~~the~~ Transmission Provider and Interconnection Customer with written notice pursuant to Article 15 if ~~the~~ Transmission Owner elects to fund the capital for the Network Upgrades and Transmission Owner's System Protection Facilities; otherwise, such facilities, if any, shall be solely funded by ~~the~~ Interconnection Customer.

11.3.1 Contingencies Affecting Network Upgrades, System Protection Facilities and Distribution Upgrades. Network Upgrades, System Protection Facilities and Distribution Upgrades that are required to accommodate the Generating Facility may be modified because (1) a higher queued interconnection request withdrew or was deemed to have withdrawn, (2) the interconnection agreement associated with a higher queued interconnection request was terminated prior to the project's In-Service Date, (3) the Commercial Operation Date for a higher queued interconnection request is delayed, or the project itself is delayed (including due to suspension) such that facilities required to accommodate lower queued projects or the project itself may be altered, (4) the queue position is reinstated for a higher-queued interconnection request whose queue position was subject to dispute resolution, (5) changes occur in Transmission Provider or Transmission Owner equipment design standards or reliability criteria giving rise to the need for restudy, (6) the facilities required to accommodate a higher queued ~~interconnection request~~ Interconnection Request were modified constituting a Material Modification pursuant to Section 4.4 of the GIP, ~~or~~ (7) a GIA with an effective date prior to this GIA is terminated, or (8) when ordered to restudy by FERC. The higher queued ~~interconnection requests~~ Interconnection Requests that could impact the Network Upgrades, System Protection Facilities and Distribution Upgrades required to accommodate the Generating Facility, and possible Modifications that may result from the above listed events affecting the higher queued ~~interconnection requests~~ Interconnection Requests, to the extent such modifications are reasonably known and can be determined, and estimates of the costs associated with such required Network Upgrades, System Protection Facilities and Distribution Upgrades, are provided in Appendix A.

11.3.2 Agreement to Restudy. ~~The~~ Interconnection Customer agrees to enter into an Interconnection Study Agreement, if at any time before the Network Upgrades, System Protection Facilities and/or Distribution Upgrades associated with higher queued ~~interconnection requests~~ Interconnection Requests with GIA in effect prior to this GIA are completed, ~~the~~ Transmission Provider determines restudy is required because one of the contingencies in Article 11.3.1 occurred, and provides notice to Interconnection Customer. Any restudy shall be performed, as applicable, in accordance with Sections ~~6.43~~, ~~7.64~~ and 8.5 of the GIP. The Parties agree to amend Appendix A to this GIA in accordance with Article 30.10 to reflect the results of any restudy required under this Article 11.3.2.

11.3.3 Agreement to Fund Shared Network Upgrades. Interconnection Customer agrees to fund Shared Network Upgrades, as determined by Transmission Provider. Where applicable, payments to fund Shared Network Upgrade(s) that are made to Transmission Provider by Interconnection Customer will be disbursed by Transmission Provider to the appropriate entities that funded the Shared Network Upgrades in accordance with Attachment X and Attachment FF of the Tariff. In the event that Interconnection Customer fails to meet its obligation to fund Shared Network Upgrades, Transmission Owner and Transmission Provider shall not be responsible for the Interconnection Customer's funding obligation.

11.4 11.4 Transmission Credits.

11.4.1 Repayment of Amounts Advanced for Network Upgrades. Interconnection Customer shall be entitled to a cash repayment by ~~the~~ Transmission Owner(s) and the Affected System Owner(s) that own the Network Upgrades, of the amount paid respectively to Transmission Owner and Affected System Operator, if any, for the Network Upgrades, as provided under Attachment FF of this Tariff and including any tax gross-up or other tax-related payments associated with the repayable portion of the Network Upgrades, and not repaid to Interconnection Customer pursuant to Article 5.17.8 or otherwise, to be paid to Interconnection Customer on a dollar-for-dollar basis for the non-usage sensitive portion of transmission charges, as payments are made under the Tariff and Affected System's Tariff for ~~transmission services~~ Transmission Services with respect to the Generating Facility. Any repayment shall include interest calculated in accordance with the methodology set forth in FERC's regulations at 18 C.F.R. § 35.19 (a)(2)(iii) from the date of any payment for Network Upgrades through the date on which ~~the~~ Interconnection Customer receives a repayment of such payment pursuant to this subparagraph. Interest shall not accrue during periods in which ~~the~~ Interconnection Customer has suspended construction pursuant to Article 11 or the Network Upgrades have been determined not to be needed pursuant to this Article 11.4.1. Interconnection Customer may assign such repayment rights to any person.

If the Generating Facility is designated a Network Resource under the Tariff, or if there are otherwise no incremental payments for Transmission Service resulting from the use of the Generating Facility by Transmission Customer, and in the absence of another mutually agreeable payment schedule any repayments provided under Attachment FF shall be established equal to the applicable rate for Firm Point-To-Point Transmission Service for the pricing zone where the Network Load is located multiplied by the portion of the demonstrated output of the Generating Facility designated as a Network Resource by the Network Customer(s) or in the absence of such designation, equal to the monthly firm single system-wide rate defined under Schedule 7 of the Tariff multiplied by the portion of the demonstrated output of the Generating Facility under contract to

Network Customer(s) and consistent with studies pursuant to Section 3.2.2.2 of the GIP.

Notwithstanding the foregoing, as applicable and consistent with the provisions of Attachment FF of this Tariff, Interconnection Customer, Transmission Provider, Transmission Owner, and Affected System Operator may adopt any alternative payment schedule that is mutually agreeable so long as Transmission Owner and Affected System Operator take one of the following actions no later than five (5) years from the Commercial Operation Date: (1) return to Interconnection Customer any amounts advanced for Network Upgrades not previously repaid, or (2) declare in writing that Transmission Owner or Affected System Operator will continue to provide payments to Interconnection Customer on a dollar-for-dollar basis for the non-usage sensitive portion of transmission charges, or develop an alternative schedule that is mutually agreeable and provides for the return of all amounts advanced for Network Upgrades not previously repaid; however, full reimbursement shall not extend beyond twenty (20) years from the Commercial Operation Date.

If the Generating Facility is installed in phases, the amount eligible for refund as each phase achieves Commercial Operation will be reduced by the proportional amount of generation capacity not yet installed. However, all facilities in Appendix A other than the Generating Facility shall be built without consideration for the phasing of the Generating Facility as though the entire Generating Facility will be placed in Commercial Operation for the full output or increased output of the Generating Facility constructed by ~~the~~ Interconnection Customer under this GIA.

If the Generating Facility fails to achieve Commercial Operation, but it or another generating facility is later constructed and makes use of the Network Upgrades, Transmission Owner and Affected System Operator shall at that time reimburse Interconnection Customer for the remaining applicable amounts that may be refundable pursuant to Attachment FF of this Tariff that were advanced for the Network Upgrades on their respective systems as described above. Before any such reimbursement can occur, ~~the~~ Interconnection Customer, or the entity that ultimately constructs the Generating Facility, if different, is responsible for identifying the entity to which the reimbursement must be made.

- 11.4.2 Special Provisions for ~~the~~ Transmission Provider as an Affected System to be covered under Separate Agreements. When the Transmission Owner's Transmission or Distribution System (including for this Article 11.4.2 independent distribution systems connected to the Transmission System) is ~~unaffected~~ an Affected System for an interconnection in another electric system, ~~the~~ Transmission Provider will coordinate the performance of Interconnection Studies with the other system. ~~The~~ Transmission Provider will determine if any Network Upgrades or Distribution Upgrades, which may be required on the Transmission System as a result of the interconnection, would not have been

needed but for the interconnection. Unless ~~the~~ Transmission Owner provides, under the interconnection agreement between ~~the~~ Interconnection Customer and the other system, for the repayment of amounts advanced to ~~the~~ Transmission Provider or an impacted ~~transmission-owning member(s) of the~~ Transmission ~~Provider~~ Owner for Network Upgrades, ~~the~~ Interconnection Customer, ~~the~~ Transmission Provider, and the impacted ~~transmission-owning member~~ Transmission Owner(s) shall enter into an agreement that provides for such repayment by ~~transmission-owner~~ Transmission Owner(s) as directed by ~~the~~ Transmission Provider. The agreement shall specify the terms governing payments to be made by ~~the~~ Interconnection Customer to the Affected System Operator as well as the payment of refunds by the Affected System Operator.

- 11.4.3 Notwithstanding any other provision of this GIA, nothing herein shall be construed as relinquishing or foreclosing any rights, including but not limited to firm transmission rights, capacity rights, transmission congestion rights, or transmission credits, that ~~the~~ Interconnection Customer, shall be entitled to, now or in the future under any other agreement or tariff as a result of, or otherwise associated with, the transmission capacity, if any, created by the Network Upgrades, including the right to obtain cash reimbursement or transmission credits for transmission service that is not associated with the Generating Facility.

~~11.5~~ 11.5 **Initial Payment.** Interconnection Customer shall elect (and provide its election to the Transmission Provider within five days of the commencement of negotiation of the GIA pursuant to Section 11.2 of the GIP) to make either 1) an initial payment equal to twenty (20) percent of the total cost of Network Upgrades, Transmission Owner Interconnection Facilities, Transmission Owner's System Protection Facilities, Distribution Upgrades and/or Generator Upgrades (if the In-Service Date is less than or equal to five (5) years of the initial payment date); or 2) an initial payment equal to ten (10) percent of the total cost of Network Upgrades, Transmission Owner Interconnection Facilities, Transmission Owner's System Protection Facilities, Distribution Upgrades and/or Generator Upgrades (if the In-Service Date exceeds the initial payment date by more than five (5) years); or 3) the total cost of Network Upgrades, Transmission Owner Interconnection Facilities, Transmission Owner's System Protection Facilities, Distribution Upgrades and/or Generator Upgrades in the form of security pursuant to Article 11.6. The initial payment shall be provided to Transmission Owner by Interconnection Customer pursuant to this Article 11.5 within the later of a) thirty (30) days of the execution of the GIA by all Parties, or b) thirty (30) days of acceptance by FERC if the GIA is filed unexecuted and the payment is being protested by Interconnection Customer, or c) thirty (30) days of the filing if the GIA is filed unexecuted and the initial payment is not being protested by Interconnection Customer.

11.6 **Provision of Security.** Unless otherwise provided in Appendix B, at least thirty (30) Calendar Days prior to the commencement of the design, procurement, installation, or construction of a discrete portion of an ~~initial~~ element, not otherwise funded under Article 11.5, of the Transmission Owner's Interconnection Facilities, Transmission Owner's

System Protection Facilities, Network Upgrades, Distribution Upgrades or Stand-Alone Network Upgrades, or at the request of Transmission Owner if regulatory approvals are required for the construction of such facilities, Interconnection Customer shall provide Transmission Owner, at Interconnection Customer's selection, a guarantee, a surety bond, letter of credit or other form of security that is reasonably acceptable to Transmission Owner and is consistent with the Uniform Commercial Code of the jurisdiction identified in Article 14.2.1. Such security for payment shall be in an amount sufficient to cover the applicable costs and cost commitments, in addition to those funded under Article 11.5, required of the Party responsible for building the facilities pursuant to the construction schedule developed in ~~Article 12.1~~ Appendix B for designing, engineering, seeking regulatory approval from any Governmental Authority, constructing, procuring and installing the applicable portion of the Transmission Owner's Interconnection Facilities, Transmission Owner's System Protection Facilities, Network Upgrades, Distribution Upgrades or Stand-Alone Network Upgrades and shall be reduced on a dollar-for-dollar basis for payments made to Transmission Owner for these purposes.

—In addition:

11.56.1 The guarantee must be made by an entity that meets the creditworthiness requirements of Transmission Owner, and contain terms and conditions that guarantee payment of any amount that may be due from Interconnection Customer, up to an agreed-to maximum amount.

11.56.2 The letter of credit must be issued by a financial institution reasonably acceptable to Transmission Owner and must specify a reasonable expiration date.

11.56.3 The surety bond must be issued by an insurer reasonably acceptable to Transmission Owner and must specify a reasonable expiration date.

11.6.4 If the Shared Network Upgrade is not in service, Interconnection Customer will provide, as applicable, an Irrevocable Letter of Credit to fund any Shared Network Upgrade pursuant to Attachment FF of the Tariff. The Irrevocable Letter of Credit shall be in an amount sufficient to cover the Interconnection Customer's share of the applicable costs and cost commitments associated with the Shared Network Upgrades. Transmission Provider may periodically adjust the Interconnection Customer's share of the applicable costs and cost commitment of Shared Network Upgrades and may require Interconnection Customer to adjust the amount of the Irrevocable Letter of Credit accordingly.

11.7 Interconnection Customer Compensation. If Transmission Provider requests or directs Interconnection Customer to provide a service pursuant to Article 13.4 of this GIA, Transmission Provider shall compensate Interconnection Customer in accordance with any tariff or rate schedule filed by ~~the~~ Transmission Provider and approved by the FERC.

11.6

ARTICLE 12. INVOICE

- 12.1 General.** Each Party shall submit to the other Party, on a monthly basis, invoices of amounts due, if any, for the preceding month. Each invoice shall state the month to which the invoice applies and fully describe the services and equipment provided. The Parties may discharge mutual debts and payment obligations due and owing to each other on the same date through netting, in which case all amounts a Party owes to the other Party under this GIA, including interest payments or credits, shall be netted so that only the net amount remaining due shall be paid by the owing Party.
- 12.2 Final Invoice.** Within six (6) months after completion of the construction of the Transmission Owner's Interconnection Facilities, Transmission Owner's System Protection Facilities, Distribution Upgrades and the Network Upgrades, Transmission Owner shall provide an invoice of the final cost of the construction of the Transmission Owner's Interconnection Facilities, Transmission Owner's System Protection Facilities, Distribution Upgrades and the Network Upgrades and shall set forth such costs in sufficient detail to enable Interconnection Customer to compare the actual costs with the estimates and to ascertain deviations, if any, from the cost estimates. Transmission Owner shall refund, with interest (calculated in accordance with 18 C.F.R. Section 35.19a(a)(2)(iii), to Interconnection Customer any amount by which the actual payment by Interconnection Customer for estimated costs exceeds the actual costs of construction within thirty (30) Calendar Days of the issuance of such final construction invoice.
- 12.3 Payment.** Invoices shall be rendered to the paying Party at the address specified in Appendix F. The Party receiving the invoice shall pay the invoice within thirty (30) Calendar Days of receipt. All payments shall be made in immediately available funds payable to the other Party, or by wire transfer to a bank named and account designated ~~byte~~by the invoicing Party. Payment of invoices by a Party will not constitute a waiver of any rights or claims that Party may have under this GIA.
- 12.4 Disputes.** In the event of a billing dispute among the Parties, Transmission Provider shall continue to provide Interconnection Service under this GIA as long as Interconnection Customer: (i) continues to make all payments not in dispute; and (ii) pays to Transmission Provider or Transmission Owner or into an independent escrow account the portion of the invoice in dispute, pending resolution of such dispute. If Interconnection Customer fails to meet these two requirements for continuation of service, then Transmission Provider may or, at Transmission Owner's request upon Interconnection Customer's failure to pay, Transmission Owner, shall provide notice to Interconnection Customer of a Default pursuant to Article 17. Within thirty (30) Calendar Days after the resolution of the dispute, the Party that owes money to another Party shall pay the amount due with interest calculated in accord with the methodology set forth in 18 C.F.R. § 35.19a(a)(2)(iii).

ARTICLE 13. EMERGENCIES

| **13.1 Obligations.** Each Party shall comply with the Emergency Condition procedures of ~~the~~ Transmission Provider, NERC, the Applicable Reliability Council, and Applicable Laws and Regulations.

| **13.2 Notice.** Transmission Provider or Transmission Owner shall notify the other Parties promptly when it becomes aware of an Emergency Condition that affects the Transmission Owner's Interconnection Facilities or the Transmission or Distribution System, as applicable, that may reasonably be expected to affect Interconnection Customer's operation of the Generating Facility or the Interconnection Customer's Interconnection Facilities.

Interconnection Customer shall notify Transmission Provider and Transmission Owner, which includes by definition if applicable, the operator of a Distribution System, promptly when it becomes aware of an Emergency Condition that affects the Generating Facility or the Interconnection Customer's Interconnection Facilities that may reasonably be expected to affect the Transmission or Distribution System, as applicable, or the Transmission Owner's Interconnection Facilities.

To the extent information is known, the notification shall describe the Emergency Condition, the extent of the damage or deficiency, the expected effect on the operation of Interconnection Customer's or Transmission Provider's or Transmission Owner's facilities and operations, its anticipated duration and the corrective action taken and/or to be taken. The initial notice shall be followed as soon as practicable with written notice.

| **13.3 Immediate Action.** Unless, in a Party's reasonable judgment, immediate action is required, the Party exercising such judgment shall notify and obtain the consent of the other Parties, such consent to not be unreasonably withheld, prior to performing any manual switching operations at the Generating Facility or the Interconnection Customer's Interconnection Facilities in response to an Emergency Condition either declared by ~~the~~ Transmission Provider or otherwise regarding the Transmission or Distribution System, as applicable.

| **13.4 Transmission Provider and Transmission Owner Authority.**

| **13.4.1 General.** Transmission Provider or Transmission Owner may take whatever actions or inactions with regard to the Transmission System or the Transmission Owner's Interconnection Facilities it deems necessary during an Emergency Condition in order to (i) preserve public health and safety, (ii) preserve the reliability of the Transmission System or the Transmission Owner's Interconnection Facilities, (iii) limit or prevent damage, and (iv) expedite restoration of service.

| Transmission Provider or Transmission Owner shall use Reasonable Efforts to minimize the effect of such actions or inactions on the Generating Facility or the Interconnection Customer's Interconnection Facilities. Transmission Provider or Transmission Owner may, on the basis of technical considerations, require

the Generating Facility to mitigate an Emergency Condition by taking actions necessary and limited in scope to remedy the Emergency Condition, including, but not limited to, directing Interconnection Customer to shut-down, start-up, increase or decrease the real or reactive power output of the Generating Facility; implementing a reduction or disconnection pursuant to Article 13.4.2; directing ~~the~~ Interconnection Customer to assist with blackstart (if available) or restoration efforts; or altering the outage schedules of the Generating Facility and the Interconnection Customer's Interconnection Facilities. Interconnection Customer shall comply with all of Transmission Provider's or Transmission Owner's operating instructions concerning Generating Facility real power and reactive power output within the manufacturer's design limitations of the Generating Facility's equipment that is in service and physically available for operation at the time, in compliance with Applicable Laws and Regulations.

13.4.2 Reduction and Disconnection. Transmission Provider or Transmission Owner may reduce Interconnection Service or disconnect the Generating Facility or the Interconnection Customer's Interconnection Facilities, when such reduction or disconnection is necessary under Good Utility Practice due to Emergency Conditions. These rights are separate and distinct from any right of curtailment of ~~the~~ Transmission Provider pursuant to the Tariff. When ~~the~~ Transmission Provider can schedule the reduction or disconnection in advance, Transmission Provider shall notify Interconnection Customer of the reasons, timing and expected duration of the reduction or disconnection. Transmission Provider shall coordinate with ~~the~~ Interconnection Customer and Transmission Owner using Good Utility Practice to schedule the reduction or disconnection during periods of least impact to ~~the~~ Interconnection Customer, Transmission Owner and ~~the~~ Transmission Provider. Any reduction or disconnection shall continue only for so long as reasonably necessary ~~under~~ pursuant to Good Utility Practice. The Parties shall cooperate with each other to restore the Generating Facility, the Interconnection Facilities, and the Transmission System to their normal operating state as soon as practicable consistent with Good Utility Practice.

13.5 Interconnection Customer Authority. Consistent with Good Utility Practice and this GIA and the GIP, ~~the~~ Interconnection Customer may take whatever actions or inactions with regard to the Generating Facility or the Interconnection Customer's Interconnection Facilities during an Emergency Condition in order to (i) preserve public health and safety, (ii) preserve the reliability of the Generating Facility or the Interconnection Customer's Interconnection Facilities, (iii) limit or prevent damage, and (iv) expedite restoration of service. Interconnection Customer shall use Reasonable Efforts to minimize the effect of such actions or inactions on the Transmission System and the Transmission Owner's Interconnection Facilities. Transmission Provider and Transmission Owner shall use Reasonable Efforts to assist Interconnection Customer in such actions.

13.6 Limited Liability. Except as otherwise provided in Article 11.6 of this GIA, no Party shall be liable to ~~the~~ any other for any action it takes in responding to an Emergency

Condition so long as such action is made in good faith and is consistent with Good Utility Practice.

- 13.7 Audit.** In accordance with Article 25.3, any Party may audit the performance of another Party when that Party declared an Emergency Condition.

ARTICLE 14. REGULATORY REQUIREMENTS AND GOVERNING LAW

- 14.1 Regulatory Requirements.** Each Party's obligations under this GIA shall be subject to its receipt of any required approval or certificate from one or more Governmental Authorities in the form and substance satisfactory to the applying Party, or the Party making any required filings with, or providing notice to, such Governmental Authorities, and the expiration of any time period associated therewith. Each Party shall in good faith seek, and if necessary assist the other Party and use its Reasonable Efforts to obtain such other approvals. Nothing in this GIA shall require Interconnection Customer to take any action that could result in its inability to obtain, or its loss of, status or exemption under the Federal Power Act, the Public Utility Holding Company Act of 2005, as amended, or the Public Utility Regulatory Policies Act of 1978.

14.2 Governing Law.

14.2.1 The validity, interpretation and performance of this GIA and each of its provisions shall be governed by the laws of the state where the Point of Interconnection is located, without regard to its conflicts of law principles.

14.2.2 This GIA is subject to all Applicable Laws and Regulations.

14.2.3 Each Party expressly reserves the right to seek changes in, appeal, or otherwise contest any laws, orders, rules, or regulations of a Governmental Authority.

ARTICLE 15. NOTICES

- 15.1 General.** Unless otherwise provided in this GIA, any notice, demand or request required or permitted to be given by any Party to the other Parties and any instrument required or permitted to be tendered or delivered by a Party in writing to the other Parties shall be effective when delivered and may be so given, tendered or delivered, by recognized national courier, or by depositing the same with the United States Postal Service with postage prepaid, for delivery by certified or registered mail, addressed to the Party, or personally delivered to the Party, at the address set out in Appendix F, Addresses for Delivery of Notices and Billings.

Either Party may change the notice information in this GIA by giving five (5) Business Days written notice prior to the effective date of the change.

- 15.2 Billings and Payments.** Billings and payments shall be sent to the addresses set out in Appendix F.
- 15.3 Alternative Forms of Notice.** Any notice or request required or permitted to be given by any Party to the other and not required by this GIA to be given in writing may be so given by telephone, facsimile or email to the telephone numbers and email addresses set out in Appendix F.
- 15.4 Operations and Maintenance Notice.** Each Party shall notify the other Parties in writing of the identity of the person(s) that it designates as the point(s) of contact with respect to the implementation of Articles 9 and 10.

ARTICLE 16. FORCE MAJEURE

16.1 Force Majeure.

- 16.1.1 Economic hardship is not considered a Force Majeure event.
- 16.1.2 A Party shall not be considered to be in Default with respect to any obligation hereunder, (including obligations under Article 4 and 5), other than the obligation to pay money when due, if prevented from fulfilling such obligation by Force Majeure. A Party unable to fulfill any obligation hereunder (other than an obligation to pay money when due) by reason of Force Majeure shall give notice and the full particulars of such Force Majeure to the other Parties in writing or by telephone as soon as reasonably possible after the occurrence of the cause relied upon. Telephone, facsimile or email notices given pursuant to this Article shall be confirmed in writing as soon as reasonably possible and shall specifically state full particulars of the Force Majeure, the time and date when the Force Majeure occurred and when the Force Majeure is reasonably expected to cease. The Party affected shall exercise Reasonable Efforts to remove such disability with reasonable dispatch, but shall not be required to accede or agree to any provision not satisfactory to it in order to settle and terminate a strike or other labor disturbance.

ARTICLE 17. DEFAULT

17.1 Default

- 17.1.1 General. No Default shall exist where such failure to discharge an obligation (other than the payment of money) is the result of Force Majeure as defined in this GIA or the result of an act or omission of another Party. Upon a Breach, the non-Breaching Party or Parties shall give written notice of such Breach to the Breaching Party with a copy to the other Party if one Party gives notice of such Breach. Except as provided in Article 17.1.2, the Breaching Party shall have

thirty (30) Calendar Days from receipt of the Breach notice within which to cure such Breach; provided however, if such Breach is not capable of cure within thirty (30) Calendar Days, the Breaching Party shall commence such cure within thirty (30) Calendar Days after notice and continuously and diligently complete such cure within ninety (90) Calendar Days from receipt of the Breach notice; and, if cured within such time, the Breach specified in such notice shall cease to exist.

17.1.2 ~~Right to Terminate~~Termination. If a Breach is not cured as provided in this Article, or if a Breach is not capable of being cured within the period provided for herein, the non-Breaching Party or Parties shall ~~have the right to~~ terminate this GIA, subject to Article 2.3.2 of this GIA, by written notice to the Breaching Party ~~at any time until cure occurs~~, with a copy to the other Party if one Party gives notice of ~~such right to terminate~~termination, and be relieved of any further obligation hereunder and, whether or not that Party(ies) terminates this GIA, to recover from the Breaching Party all amounts due hereunder, plus all other damages and remedies to which it is (they are) entitled at law or in equity. The provisions of this Article will survive termination of this GIA.

ARTICLE 18. ~~LIMITATION OF LIABILITY~~LIMITATION OF LIABILITY, INDEMNITY, CONSEQUENTIAL DAMAGES AND INSURANCE

18.1 Limitation of Liability. A Party shall not be liable to another Party or to any third party or other person for any damages arising out of actions under this GIA, including, but not limited to, any act or omission that results in an interruption, deficiency or imperfection of Interconnection Service, except as provided in this Tariff. The provisions set forth in the Tariff shall be additionally applicable to any Party acting in good faith to implement or comply with its obligations under this GIA, regardless of whether the obligation is preceded by a specific directive.

18.2 Indemnity. To the extent permitted by law, an Indemnifying Party shall at all times indemnify, defend and hold the other Parties harmless from Loss.

18.2.1 Indemnified Party. If an Indemnified Party is entitled to indemnification under this Article 18 as a result of a claim by a non-~~party~~Party, and the Indemnifying Party fails, after notice and reasonable opportunity to proceed under Article 18.2, to assume the defense of such claim, such Indemnified Party may at the expense of the Indemnifying Party contest, settle or consent to the entry of any judgment with respect to, or pay in full, such claim.

18.2.2 Indemnifying Party. If an Indemnifying Party is obligated to indemnify and hold any Indemnified Party harmless under this Article 18, the amount owing to the Indemnified Party shall be the amount of such Indemnified Party's actual Loss, net of any insurance or other recovery.

18.2.3 Indemnity Procedures. Promptly after receipt by an Indemnified Party of any claim or notice of the commencement of any action or administrative or legal proceeding or investigation as to which the indemnity provided for in Article 18.2 may apply, the Indemnified Party shall notify the Indemnifying Party of such fact. Any failure of or delay in such notification shall not affect a Party's indemnification obligation unless such failure or delay is materially prejudicial to the Indemnifying Party.

The Indemnifying Party shall have the right to assume the defense thereof with counsel designated by such Indemnifying Party and reasonably satisfactory to the Indemnified Party. If the defendants in any such action include one or more Indemnified Parties and the Indemnifying Party and if the Indemnified Party reasonably concludes that there may be legal defenses available to it and/or other Indemnified Parties which are different from or additional to those available to the Indemnifying Party, the Indemnified Party shall have the right to select separate counsel to assert such legal defenses and to otherwise participate in the defense of such action on its own behalf. In such instances, the Indemnifying Party shall only be required to pay the fees and expenses of one additional attorney to represent an Indemnified Party or Indemnified Parties having such differing or additional legal defenses.

The Indemnified Party shall be entitled, at its expense, to participate in any such action, suit or proceeding, the defense of which has been assumed by the Indemnifying Party. Notwithstanding the foregoing, the Indemnifying Party (i) shall not be entitled to assume and control the defense of any such action, suit or proceedings if and to the extent that, in the opinion of the Indemnified Party and its counsel, such action, suit or proceeding involves the potential imposition of criminal liability on the Indemnified Party, or there exists a conflict or adversity of interest between the Indemnified Party and the Indemnifying Party, in such event the Indemnifying Party shall pay the reasonable expenses of the Indemnified Party, and (ii) shall not settle or consent to the entry of any judgment in any action, suit or proceeding without the consent of the Indemnified Party, which shall not be reasonably withheld, conditioned or delayed.

18.3 Consequential Damages. Other than the Liquidated Damages heretofore described, in no event shall either Party be liable under any provision of this GIA for any losses, damages, costs or expenses for any special, indirect, incidental, consequential, or punitive damages, including but not limited to loss of profit or revenue, loss of the use of equipment, cost of capital, cost of temporary equipment or services, whether based in whole or in part in contract, in tort, including negligence, strict liability, or any other theory of liability; provided; however, that damages for which a Party may be liable to the other Party under another agreement will not be considered to be special, indirect, incidental, or consequential damages hereunder.

18.4 Insurance. ~~Each Party~~ Transmission Owner and Interconnection Customer shall, at their own expense, maintain in force throughout the period of this GIA pursuant to 18.4.9, and until released by the other ~~Parties~~ Party, the following minimum insurance coverages, with insurers authorized to do business or an approved surplus lines carrier in the state where the Point of Interconnection is located:

18.4.1 Employers' Liability and Workers' Compensation Insurance providing statutory benefits in accordance with the laws and regulations of the state in which the Point of Interconnection is located.

18.4.2 Commercial General Liability Insurance including premises and operations, personal injury, broad form property damage, broad form blanket contractual liability coverage (including coverage for the contractual indemnification) products and completed operations coverage, coverage for explosion, collapse and underground hazards, independent contractors coverage, coverage for pollution to the extent normally available and punitive damages to the extent normally available and a cross liability endorsement, with minimum limits of One Million Dollars (\$1,000,000) per occurrence/One Million Dollars (\$1,000,000) aggregate combined single limit for personal injury, bodily injury, including death and property damage.

18.4.3 Comprehensive Automobile Liability Insurance, for coverage of owned and non-owned and hired vehicles, trailers or semi-trailers licensed for travel on public roads, with a minimum combined single limit of One Million Dollars (\$1,000,000) each occurrence for bodily injury, including death, and property damage.

18.4.4 Excess Public Liability Insurance over and above the Employer's Liability, Commercial General Liability and Comprehensive Automobile Liability Insurance coverage, with a minimum combined single limit of Twenty Million Dollars (\$20,000,000) per occurrence/Twenty Million Dollars (\$20,000,000) aggregate.

18.4.5 The Commercial General Liability Insurance, Comprehensive Automobile Insurance and Excess Public Liability Insurance policies shall name the other Parties, their parents, associated and Affiliate companies and their respective directors, officers, agents, servants and employees ("Other Party Group") as additional insured. All policies shall contain provisions whereby the insurers waive all rights of subrogation in accordance with the provisions of this GIA against the Other Party Groups and provide thirty (30) Calendar Days' advance written notice to the Other Party Groups prior to anniversary date of cancellation or any material change in coverage or condition.

18.4.6 The Commercial General Liability Insurance, Comprehensive Automobile Liability Insurance and Excess Public Liability Insurance policies shall contain provisions that specify that the policies are primary and shall apply to such

extent without consideration for other policies separately carried and shall state that each insured is provided coverage as though a separate policy had been issued to each, except the insurer's liability shall not be increased beyond the amount for which the insurer would have been liable had only one insured been covered. Each Party shall be responsible for its respective deductibles or retentions.

- 18.4.7** The Commercial General Liability Insurance, Comprehensive Automobile Liability Insurance and Excess Public Liability Insurance policies, if written on a Claims First Made Basis, shall be maintained in full force and effect for two (2) years after termination of this GIA, which coverage may be in the form of tail coverage or extended reporting period coverage if agreed by ~~the Parties~~ Transmission Owner and Interconnection Customer.
- 18.4.8** The requirements contained herein as to the types and limits of all insurance to be maintained by ~~the Parties~~ Transmission Owner and Interconnection Customer are not intended to and shall not in any manner, limit or qualify the liabilities and obligations assumed by ~~the Parties~~ Transmission Owner and Interconnection Customer under this GIA.
- 18.4.9** ~~Within ten (10) days following execution~~ As of this GIA the date set forth in Appendix B, Milestones, and as soon as practicable after the end of each fiscal year or at the renewal of the insurance policy and in any event within ninety (90) ~~days~~ Calendar Days thereafter, ~~each Party~~ Interconnection Customer and Transmission Owner shall provide the other Party with certification of all insurance required in this GIA, executed by each insurer or by an authorized representative of each insurer.
- 18.4.10** Notwithstanding the foregoing, ~~each Party~~ Transmission Owner or Interconnection Customer may self-insure to meet the minimum insurance requirements of Articles 18.4.1 through 18.4.8, to the extent it maintains a self-insurance program; provided that, ~~such Party's~~ Transmission Owner's or Interconnection Customer's senior secured debt is rated at investment grade, or better, by Standard & Poor's and that its self-insurance program meets minimum insurance requirements under Articles 18.4.1 through 18.4.8. For any period of time that a ~~Party's~~ Transmission Owner's or Interconnection Customer's senior secured debt is unrated by Standard & Poor's or is rated at less than investment grade by Standard & Poor's, such Party shall comply with the insurance requirements applicable to it under Articles 18.4.1 through 18.4.9. In the event that ~~a Party~~ Transmission Owner or Interconnection Customer is permitted to self-insure pursuant to this article, it shall notify the other Party that it meets the requirements to self-insure and that its self-insurance program meets the minimum insurance requirements in a manner consistent with that specified in Article 18.4.9.

18.4.11 ~~The Parties~~ Transmission Owner and Interconnection Customer agree to report to each other in writing as soon as practical all accidents or occurrences resulting in injuries to any person, including death, and any property damage arising out of this GIA.

ARTICLE 19. ASSIGNMENT

19.1 Assignment. This GIA may be assigned by any Party only with the written consent of the other Parties; provided that a Party may assign this GIA without the consent of the other Parties to any Affiliate of the assigning Party with an equal or greater credit rating and with the legal authority and operational ability to satisfy the obligations of the assigning Party under this GIA; and provided further that ~~the~~ Interconnection Customer shall have the right to assign this GIA, without the consent of either ~~the~~ Transmission Provider or Transmission Owner, for collateral security purposes to aid in providing financing for the Generating Facility, provided that ~~the~~ Interconnection Customer will promptly notify ~~the~~ Transmission Provider of any such assignment. Any financing arrangement entered into by ~~the~~ Interconnection Customer pursuant to this Article will provide that prior to or upon the exercise of the secured party's, trustee's or mortgagee's assignment rights pursuant to said arrangement, the secured creditor, the trustee or mortgagee will notify ~~the~~ Transmission Provider of the date and particulars of any such exercise of assignment right(s), including providing ~~the~~ Transmission Provider and Transmission Owner with proof that it meets the requirements of Article 11.5 and 18.4. Any attempted assignment that violates this Article is void and ineffective. Any assignment under this GIA shall not relieve a Party of its obligations, nor shall a Party's obligations be enlarged, in whole or in part, by reason thereof. Where required, consent to assignment will not be unreasonably withheld, conditioned or delayed.

ARTICLE 20. SEVERABILITY

20.1 Severability. If any provision in this GIA is finally determined to be invalid, void or unenforceable by any court or other Governmental Authority having jurisdiction, such determination shall not invalidate, void or make unenforceable any other provision, agreement or covenant of this GIA; provided that if ~~the~~ Interconnection Customer (or any non-~~party~~ Party, but only if such non-~~party~~ Party is not acting at the direction of either ~~the~~ Transmission Provider or Transmission Owner) seeks and obtains such a final determination with respect to any provision of the Alternate Option (Article 5.1.2), or the Negotiated Option (Article 5.1.4), then none of these provisions shall thereafter have any force or effect and the Parties' rights and obligations shall be governed solely by the Standard Option (Article 5.1.1).

ARTICLE 21. COMPARABILITY

21.1 Comparability. The Parties will comply with all applicable comparability and code of conduct laws, rules and regulations including such laws, rules and regulations of Governmental Authorities establishing standards of conduct, as amended from time to time.

ARTICLE 22. CONFIDENTIALITY

22.1 Confidentiality. Confidential Information shall include, without limitation, all information relating to a Party's technology, research and development, business affairs, and pricing, and any information supplied by a Party to another Party prior to the execution of this GIA.

Information is Confidential Information only if it is clearly designated or marked in writing as confidential on the face of the document, or, if the information is conveyed orally or by inspection, if the Party providing the information orally informs the Party receiving the information that the information is confidential. The Parties shall maintain as confidential any information that is provided and identified by a Party as Critical Energy Infrastructure Information (CEII), as that term is defined in 18 C.F.R. Section 388.113(c). Such confidentiality will be maintained in accordance with this Article 22.

If requested by the receiving Party, the disclosing Party shall provide in writing, the basis for asserting that the information referred to in this Article warrants confidential treatment, and the requesting Party may disclose such writing to the appropriate Governmental Authority. Each Party shall be responsible for the costs associated with affording confidential treatment to its information.

22.1.1 Term. During the term of this GIA, and for a period of three (3) years after the expiration or termination of this GIA, except as otherwise provided in this Article 22 or with regard to CEII, each Party shall hold in confidence and shall not disclose to any person Confidential Information. CEII shall be treated in accordance with Commission policy and regulations.

22.1.2 Scope. Confidential Information shall not include information that the receiving Party can demonstrate: (1) is generally available to the public other than as a result of a disclosure by the receiving Party; (2) was in the lawful possession of the receiving Party on a non-confidential basis before receiving it from the disclosing Party; (3) was supplied to the receiving Party without restriction by a non-party Party, who, to the knowledge of the receiving Party after due inquiry, was under no obligation to the disclosing Party to keep such information confidential; (4) was independently developed by the receiving Party without reference to Confidential Information of the disclosing Party; (5) is, or becomes, publicly known, through no wrongful act or omission of the receiving Party or Breach of this GIA; or (6) is required, in accordance with Article 22.1.7 of this

GIA, Order of Disclosure, to be disclosed by any Governmental Authority or is otherwise required to be disclosed by law or subpoena, or is necessary in any legal proceeding establishing rights and obligations under this GIA.

Information designated as Confidential Information will no longer be deemed confidential if the Party that designated the information as confidential notifies the receiving Party that it no longer is confidential.

- 22.1.3 **Release of Confidential Information.** No Party shall release or disclose Confidential Information to any other person, except to its Affiliates (limited by the Standards of Conduct requirements), subcontractors, employees, agents, consultants, or to non-parties who may be or are considering providing financing to or equity participation with Interconnection Customer, or to potential purchasers or assignees of Interconnection Customer, on a need-~~to-~~ know basis in connection with this GIA, unless such person has first been advised of the confidentiality provisions of this Article 22 and has agreed to comply with such provisions. Notwithstanding the foregoing, a Party providing Confidential Information to any person shall remain primarily responsible for any release of Confidential Information in contravention of this Article 22.
- 22.1.4 **Rights.** Each Party retains all rights, title, and interest in the Confidential Information that it discloses to the receiving Party. The disclosure by a Party to the receiving Party of Confidential Information shall not be deemed a waiver by the disclosing Party or any other person or entity of the right to protect the Confidential Information from public disclosure.
- 22.1.5 **No Warranties.** By providing Confidential Information, no Party makes any warranties or representations as to its accuracy or completeness. In addition, by supplying Confidential Information, no Party obligates itself to provide any particular information or Confidential Information to another Party nor to enter into any further agreements or proceed with any other relationship or joint venture.
- 22.1.6 **Standard of Care.** Each Party shall use at least the same standard of care to protect Confidential Information it receives as it uses to protect its own Confidential Information from unauthorized disclosure, publication or dissemination. Each Party may use Confidential Information solely to fulfill its obligations to another Party under this GIA or its regulatory requirements.
- 22.1.7 **Order of Disclosure.** If a court or a Government Authority or entity with the right, power, and apparent authority to do so requests or requires any Party, by subpoena, oral deposition, interrogatories, requests for production of documents, administrative order, or otherwise, to disclose Confidential Information, that Party shall provide the disclosing Party with prompt notice of such request(s) or requirement(s) so that the disclosing Party may seek an appropriate protective order or waive compliance with the terms of this GIA. Notwithstanding the absence of a protective order or waiver, the Party may disclose such

Confidential Information which, in the opinion of its counsel, the Party is legally compelled to disclose. Each Party will use Reasonable Efforts to obtain reliable assurance that confidential treatment will be accorded any Confidential Information so furnished.

- 22.1.8 Termination of Agreement. Upon termination of this GIA for any reason, each Party shall, within ten (10) Calendar Days of receipt of a written request from another Party, use Reasonable Efforts to destroy, erase, or delete (with such destruction, erasure, and deletion certified in writing to the requesting Party) or return to the requesting Party, without retaining copies thereof, any and all written or electronic Confidential Information received from the requesting Party, except that each Party may keep one copy for archival purposes, provided that the obligation to treat it as Confidential Information in accordance with this Article 22 shall survive such termination.
- 22.1.9 Remedies. The Parties agree that monetary damages would be inadequate to compensate a Party for another Party's Breach of its obligations under this Article 22. Each Party accordingly agrees that the disclosing Party shall be entitled to equitable relief, by way of injunction or otherwise, if the receiving Party Breaches or threatens to Breach its obligations under this Article 22, which equitable relief shall be granted without bond or proof of damages, and the Breaching Party shall not plead in defense that there would be an adequate remedy at law. Such remedy shall not be deemed an exclusive remedy for the Breach of this Article 22, but shall be in addition to all other remedies available at law or in equity. The Parties further acknowledge and agree that the covenants contained herein are necessary for the protection of legitimate business interests and are reasonable in scope. No Party, however, shall be liable for indirect, incidental, or consequential or punitive damages of any nature or kind resulting from or arising in connection with this Article 22.
- 22.1.10 Disclosure to FERC, Its Staff or a State. Notwithstanding anything in this Article 22 to the contrary, and pursuant to 18 CFR § 1b.20, if FERC or its staff, during the course of an investigation or otherwise, requests information from a Party that is otherwise required to be maintained in confidence pursuant to this GIA, the Party shall provide the requested information to FERC or its staff, within the time provided for in the request for information. In providing the information to FERC or its staff, the Party must, consistent with 18 CFR § 388.112, request that the information be treated as confidential and non-public by FERC and its staff and that the information be withheld from public disclosure. Parties are prohibited from notifying the other Parties to this GIA prior to the release of the Confidential Information to FERC or its staff. The Party shall notify the other Parties to this GIA when it is notified by FERC or its staff that a request to release Confidential Information has been received by FERC, at which time any of the Parties may respond before such information would be made public, pursuant to 18 CFR § 388.112. Requests from a state

regulatory body conducting a confidential investigation shall be treated in a similar manner if consistent with the applicable state rules and regulations.

22.1.11 Subject to the exception in Article 22.1.10, any information that a disclosing Party claims is competitively sensitive, commercial or financial information under this GIA (~~“Confidential Information”~~) shall not be disclosed by the receiving Party to any person not employed or retained by the receiving Party, except to the extent disclosure is (i) required by law; (ii) reasonably deemed by the receiving Party to be required to be disclosed in connection with a dispute between or among the Parties, or the defense of litigation or dispute; (iii) otherwise permitted by consent of the disclosing Party, such consent not to be unreasonably withheld; or (iv) necessary to fulfill its obligations under this GIA or as the Regional Transmission Organization or a Local Balancing Authority operator including disclosing the Confidential Information to a regional or national reliability organization. The Party asserting confidentiality shall notify the receiving Party in writing of the information that Party claims is confidential. Prior to any disclosures of that Party’s Confidential Information under this subparagraph, or if any non-party Party or Governmental Authority makes any request or demand for any of the information described in this subparagraph, the Party who received the Confidential Information from the disclosing Party agrees to promptly notify the disclosing Party in writing and agrees to assert confidentiality and cooperate with the disclosing Party in seeking to protect the Confidential Information from public disclosure by confidentiality agreement, protective order or other reasonable measures.

ARTICLE 23. ENVIRONMENTAL RELEASES

23.1 Each Party shall notify the other Parties, first orally and then in writing, of the release of any Hazardous Substances, any asbestos or lead abatement activities, or any type of remediation activities related to the Generating Facility or the Interconnection Facilities, each of which may reasonably be expected to affect another Party. The notifying Party shall: (i) provide the notice as soon as practicable, provided such Party makes a good faith effort to provide the notice no later than twenty-four hours after such Party becomes aware of the occurrence; and (ii) promptly furnish to the other Parties copies of any publicly available reports filed with any Governmental Authorities addressing such events.

ARTICLE 24. INFORMATION REQUIREMENTS

24.1 **Information Acquisition.** Transmission Provider, Transmission Owner and ~~the~~ Interconnection Customer shall submit specific information regarding the electrical characteristics of their respective facilities to each other as described below and in accordance with Applicable Reliability Standards.

24.2 Information Submission by Transmission Provider and Transmission Owner The initial information submission by Transmission Provider to Interconnection Customer, with copy provided to Transmission Owner, shall occur no later than one hundred eighty (180) Calendar Days prior to Trial Operation and shall include Transmission or Distribution System information, as applicable and available, necessary to allow ~~the~~ Interconnection Customer to select equipment and meet any system protection and stability requirements, unless otherwise mutually agreed to by the Parties. On a monthly basis, Transmission Owner shall provide Interconnection Customer a status report on the construction and installation of Transmission Owner's Interconnection Facilities, Transmission Owner's System Protection Facilities, Distribution Upgrades and Network Upgrades, including, but not limited to, the following information: (1) progress to date; (2) a description of the activities since the last report (3) a description of the action items for the next period; and (4) the delivery status of equipment ordered.

24.3 Updated Information Submission by Interconnection Customer. The updated information submission by ~~the~~ Interconnection Customer to Transmission Provider, with copy to Transmission Owner, including manufacturer information, shall occur no later than one hundred eighty (180) Calendar Days prior to the Trial Operation. Interconnection Customer shall submit to Transmission Provider and Transmission Owner a completed copy of the Generating Facility data requirements contained in Appendix 1 to the GIP. It shall also include any additional information provided to Transmission Provider for the Interconnection Feasibility Study and Interconnection Facilities Study. Information in this submission shall be the most current Generating Facility design or expected performance data. Information submitted for stability models shall be compatible with Transmission Provider standard models. If there is no compatible model, ~~the~~ Interconnection Customer will work with a consultant mutually agreed to by Transmission Provider and Interconnection Customer to develop and supply a standard model and associated information.

If the Interconnection Customer's data is materially different from what was originally provided to Transmission Provider pursuant to the Interconnection Study Agreement between Transmission Provider and Interconnection Customer, then Transmission Provider will conduct appropriate studies to determine the impact on the Transmission System based on the actual data submitted pursuant to this Article 24.3. ~~The~~ Interconnection Customer shall not begin Trial Operation until such studies are completed.

24.4 Information Supplementation. Prior to the Commercial Operation Date, the Parties shall supplement their information submissions described above in this Article 24 with any and all "as-built" Generating Facility information or "as-tested" performance information that differs from the initial submissions or, alternatively, written confirmation that no such differences exist. ~~The~~ Interconnection Customer shall conduct tests on the Generating Facility as required by Good Utility Practice, such as an open circuit "step voltage" test on the Generating Facility to verify proper operation of the Generating Facility's automatic voltage regulator.

Unless otherwise agreed, the test conditions shall include: (1) Generating Facility at synchronous speed; (2) automatic voltage regulator on and in voltage control mode; and (3) a five percent (5 %) change in Generating Facility terminal voltage initiated by a change in the voltage regulators reference voltage. Interconnection Customer shall provide validated test recordings showing the responses in Generating Facility terminal and field voltages. In the event that direct recordings of these voltages is impractical, recordings of other voltages or currents that mirror the response of the Generating Facility's terminal or field voltage are acceptable if information necessary to translate these alternate quantities to actual Generating Facility terminal or field voltages is provided. Generating Facility testing shall be conducted and results provided to ~~the~~ Transmission Provider and Transmission Owner for each individual generating unit in a station.

Subsequent to the Operation Date, ~~the~~ Interconnection Customer shall provide Transmission Provider and Transmission Owner any information changes due to equipment replacement, repair, or adjustment. Transmission Owner shall provide ~~the~~ Interconnection Customer, with copy to Transmission Provider, any information changes due to equipment replacement, repair or adjustment in the directly connected substation or any adjacent Transmission Owner substation that may affect the Interconnection Customer's Interconnection Facilities equipment ratings, protection or operating requirements. The Parties shall provide such information no later than thirty (30) Calendar Days after the date of the equipment replacement, repair or adjustment.

ARTICLE 25. INFORMATION ACCESS AND AUDIT RIGHTS

- 25.1 Information Access.** Each Party (the "disclosing Party") shall make available to the other Parties information that is in the possession of the disclosing Party and is necessary in order for the other Parties to: (i) verify the costs incurred by the disclosing Party for which another Party is responsible under this GIA; and (ii) carry out its obligations and responsibilities under this GIA. The Parties shall not use such information for purposes other than those set forth in this Article 25.1 and to enforce their rights under this GIA.
- 25.2 Reporting of Non-Force Majeure Events.** A Party (the "notifying Party") shall notify the other Parties when the notifying Party becomes aware of its inability to comply with the provisions of this GIA for a reason other than a Force Majeure event. The Parties agree to cooperate with each other and provide necessary information regarding such inability to comply, including the date, duration, reason for the inability to comply, and corrective actions taken or planned to be taken with respect to such inability to comply. Notwithstanding the foregoing, notification, cooperation or information provided under this Article shall not entitle any Party receiving such notification to allege a cause for anticipatory breach of this GIA.
- 25.3 Audit Rights.** Subject to the requirements of confidentiality under Article 22 of this GIA, each Party shall have the right, during normal business hours, and upon prior reasonable notice to the other Parties, to audit at its own expense the other Parties'

accounts and records pertaining to the Parties' performance or the Parties' satisfaction of obligations under this GIA. Such audit rights shall include audits of the other Parties' costs, calculation of invoiced amounts, the Transmission Provider's efforts to allocate responsibility for the provision of reactive support to the Transmission or Distribution System, as applicable, the Transmission Provider's efforts to allocate responsibility for interruption or reduction of generation, and each Party's actions in an Emergency Condition. Any audit authorized by this Article shall be performed at the offices where such accounts and records are maintained and shall be limited to those portions of such accounts and records that relate to each Party's performance and satisfaction of obligations under this GIA. Each Party shall keep such accounts and records for a period equivalent to the audit rights periods described in Article 25.4.

25.4 Audit Rights Periods.

25.4.1 **Audit Rights Period for Construction-Related Accounts and Records.** Accounts and records related to the design, engineering, procurement, and construction of [the](#) Transmission Owner's Interconnection Facilities, Transmission Owner's System Protection Facilities, Distribution Upgrades and Network Upgrades shall be subject to audit for a period of twenty-four months following Transmission Owner's issuance of a final invoice in accordance with Article 12.2.

25.4.2 **Audit Rights Period for All Other Accounts and Records.** Accounts and records related to a Party's performance or satisfaction of all obligations under this GIA other than those described in Article 25.4.1 shall be subject to audit as follows: (i) for an audit relating to cost obligations, the applicable audit rights period shall be twenty-four [\(24\)](#) months after the auditing Party's receipt of an invoice giving rise to such cost obligations; and (ii) for an audit relating to all other obligations, the applicable audit rights period shall be twenty-four [\(24\)](#) months after the event for which the audit is sought.

25.5 [25.5](#) Audit Results. If an audit by a Party determines that an overpayment or an underpayment has occurred, a notice of such overpayment or underpayment shall be given to the Party or from whom the overpayment or underpayment is owed together with those records from the audit which support such determination.

ARTICLE 26. SUBCONTRACTORS

26.1 **General.** Nothing in this GIA shall prevent a Party from utilizing the services of any subcontractor as it deems appropriate to perform its obligations under this GIA; provided, however, that each Party shall require its subcontractors to comply with all applicable terms and conditions of this GIA in providing such services and each Party shall remain primarily liable to the other [PartyParties](#) for the performance of such subcontractor.

26.2 Responsibility of Principal. The creation of any subcontract relationship shall not relieve the hiring Party of any of its obligations under this GIA. The hiring Party shall be fully responsible to the other ~~Party~~Parties for the acts or omissions of any subcontractor the hiring Party hires as if no subcontract had been made; provided, however, that in no event shall ~~the~~ Transmission Provider or Transmission Owner be liable for the actions or inactions of ~~the~~ Interconnection Customer or its subcontractors with respect to obligations of ~~the~~ Interconnection Customer under Article 5 of this GIA. Any applicable obligation imposed by this GIA upon the hiring Party shall be equally binding upon, and shall be construed as having application to, any subcontractor of such Party.

26.3 No Limitation by Insurance. The obligations under this Article 26 will not be limited in any way by any limitation of subcontractor's insurance.

ARTICLE 27. DISPUTES

27.1 Submission. In the event any Party has a dispute, or asserts a claim, that arises out of or in connection with this GIA or its performance, such Party (the "disputing Party") shall provide the other Parties with written notice of the dispute or claim ("Notice of Dispute"). Such dispute or claim shall be referred to a designated senior representative of each Party for resolution on an informal basis as promptly as practicable after receipt of the Notice of Dispute by the non-disputing Parties. In the event the designated representatives are unable to resolve the claim or dispute through unassisted or assisted negotiations within thirty (30) Calendar Days of the non-disputing Parties' receipt of the Notice of Dispute, such claim or dispute shall be submitted for resolution in accordance with the dispute resolution procedures of the Tariff.

ARTICLE 28. REPRESENTATIONS, WARRANTIES AND COVENANTS

28.1 General. Each Party makes the following representations, warranties and covenants:

28.1.1 **Good Standing.** Such Party is duly organized, validly existing and in good standing under the laws of the state in which it is organized, formed, or incorporated, as applicable; that it is qualified to do business in the state or states in which the Generating Facility, Interconnection Facilities and Network Upgrades owned by such Party, as applicable, are located; and that it has the corporate power and authority to own its properties, to carry on its business as now being conducted and to enter into this GIA and carry out the transactions contemplated hereby and perform and carry out all covenants and obligations on its part to be performed under and pursuant to this GIA.

28.1.2 **Authority.** Such Party has the right, power and authority to enter into this GIA, to become a Party hereto and to perform its obligations hereunder. This GIA is a legal, valid and binding obligation of such Party, enforceable against such Party in accordance with its terms, except as the enforceability thereof may be

limited by applicable bankruptcy, insolvency, reorganization or other similar laws affecting creditors' rights generally and by general equitable principles (regardless of whether enforceability is sought in a proceeding in equity or at law).

28.1.3 No Conflict. The execution, delivery and performance of this GIA does not violate or conflict with the organizational or formation documents, or bylaws or operating agreement, of such Party, or any judgment, license, permit, order, material agreement or instrument applicable to or binding upon such Party or any of its assets.

28.1.4 Consent and Approval. Such Party has sought or obtained, or, in accordance with this GIA will seek or obtain, each consent, approval, authorization, order, or acceptance by any Governmental Authority in connection with the execution, delivery and performance of this GIA, and it will provide to any Governmental Authority notice of any actions under this GIA that are required by Applicable Laws and Regulations.

ARTICLE 29. {~~RESERVED~~RESERVED}

ARTICLE 30. MISCELLANEOUS

30.1 Binding Effect. This GIA and the rights and obligations hereof, shall be binding upon and shall inure to the benefit of the successors and assigns of the Parties hereto.

30.1.1- Reversion. If offered pursuant to an Agency Agreement under which this GIA is executed by ~~the~~ Transmission Provider as agent for the relevant Transmission Owner, in the event that the relevant Agency Agreement terminates, any HVDC Service offered by ~~the~~ Transmission Provider under this GIA shall revert to the relevant Transmission Owner and ~~the~~ Transmission Provider shall be released from all obligations and responsibilities under this GIA.

30.2 Conflicts. In the event of a conflict between the body of this GIA and any attachment, appendices or exhibits hereto, the terms and provisions of the body of this GIA shall prevail and be deemed the final intent of the Parties.

30.3 Rules of Interpretation. This GIA, unless a clear contrary intention appears, shall be construed and interpreted as follows: (1) the singular number includes the plural number and vice versa; (2) reference to any person includes such person's successors and assigns but, in the case of a Party, only if such successors and assigns are permitted by this GIA, and reference to a person in a particular capacity excludes such person in any other capacity or individually; (3) reference to any agreement (including this GIA), document, instrument or tariff means such agreement, document, instrument, or tariff as amended or modified and in effect from time to time in accordance with the terms thereof and, if

applicable, the terms hereof; (4) reference to any Applicable Laws and Regulations means such Applicable Laws and Regulations as amended, modified, codified, or reenacted, in whole or in part, and in effect from time to time, including, if applicable, rules and regulations promulgated thereunder; (5) unless expressly stated otherwise, reference to any Article, Section or Appendix means such Article of this GIA or such Appendix to this GIA, or such Section to the GIP or such Appendix to the GIP, as the case may be; (6) “hereunder”, “hereof”, “herein”, “hereto” and words of similar import shall be deemed references to this GIA as a whole and not to any particular Article or other provision hereof or thereof; (7) “including” (and with correlative meaning “include”) means including without limiting the generality of any description preceding such term; and (8) relative to the determination of any period of time, “from” means “from and including”, “to” means “to but excluding” and “through” means “through and including”.

30.4 Entire Agreement. This GIA, including all Appendices and ~~Schedules~~ ~~attached~~ ~~attachments~~ hereto, constitutes the entire agreement between the Parties with reference to the subject matter hereof, and supersedes all prior and contemporaneous understandings or agreements, oral or written, between the Parties with respect to the subject matter of this GIA. There are no other agreements, representations, warranties, or covenants, which constitute any part of the consideration for, or any condition to, any Party’s compliance with its obligations under this GIA.

30.5 No Third Party Beneficiaries. This GIA is not intended to and does not create rights, remedies, or benefits of any character whatsoever in favor of any persons, corporations, associations, or entities other than the Parties, and the obligations herein assumed are solely for the use and benefit of the Parties, their successors in interest and, where permitted, their assigns.

30.6 Waiver. The failure of a Party to this GIA to insist, on any occasion, upon strict performance of any provision of this GIA will not be considered a waiver of any obligation, right, or duty of, or imposed upon, such Party.

Any waiver at any time by any Party of its rights with respect to this GIA shall not be deemed a continuing waiver or a waiver with respect to any other failure to comply with any other obligation, right, duty of this GIA. Termination or Default of this ~~IAGIA~~ for any reason by ~~the~~ Interconnection Customer shall not constitute a waiver of the Interconnection Customer’s legal rights to obtain Interconnection Service from ~~the~~ Transmission Provider. Any waiver of this GIA shall, if requested, be provided in writing.

30.7 Headings. The descriptive headings of the various Articles of this GIA have been inserted for convenience of reference only and are of no significance in the interpretation or construction of this GIA.

30.8 Multiple Counterparts. This GIA may be executed in two or more counterparts, each of which is deemed an original but all constitute one and the same instrument.

- 30.9 Amendment.** The Parties may by mutual agreement amend this GIA by a written instrument duly executed by all of the Parties.
- 30.10 Modification by the Parties.** The Parties may by mutual agreement amend the Appendices to this GIA by a written instrument duly executed by all of the Parties. Such amendment shall become effective and a part of this GIA upon satisfaction of all Applicable Laws and Regulations.
- 30.11 Reservation of Rights.** Transmission Provider shall have the right to make a unilateral filing with FERC to modify this GIA with respect to any rates, terms and conditions, charges, classifications of service, rule or regulation under Section 205 or any other applicable provision of the Federal Power Act and FERC's rules and regulations thereunder, and Transmission Owner and Interconnection Customer shall have the right to make a unilateral filing with FERC to modify this GIA pursuant to Section 206 or any other applicable provision of the Federal Power Act and FERC's rules and regulations thereunder; provided that each Party shall have the right to protest any such filing and to participate fully in any proceeding before FERC in which such modifications may be considered. Nothing in this GIA shall limit the rights of the Parties or of FERC under Sections 205 or 206 of the Federal Power Act and FERC's rules and regulations thereunder, except to the extent that the Parties otherwise mutually agree as provided herein.
- 30.12 No Partnership.** This GIA shall not be interpreted or construed to create an association, joint venture, agency relationship, or partnership among or between the Parties or to impose any partnership obligation or partnership liability upon any Party. No Party shall have any right, power or authority to enter into any agreement or undertaking for, or act on behalf of, or to act as or be an agent or representative of, or to otherwise bind, the other Parties.

IN WITNESS WHEREOF, the Parties have executed this ~~Agreement~~GIA in multiple originals; each of which shall constitute and be an original ~~Agreement~~GIA among the Parties.

~~Midwest~~

Midcontinent Independent ~~Transmission~~ System Operator, Inc.

By: ~~/s/ William C. Phillips~~Jennifer Curran

Name: ~~William C. Phillips~~ Jennifer Curran

Title: ~~Vice President, Standards, Compliance & Strategy~~System Planning & Seams Coordination

Ameren Illinois Company d/b/a Ameren Illinois by its agent, Ameren Services Company

By: ~~/s/ Maureen Borkowski~~

Name: Maureen Borkowski

Title: Senior Vice President, ~~Transmission~~

Settlers Trail Wind Farm, LLC

By: ~~_____~~/s/ Paul Bowman

Name: ~~Patrick Woodson~~ Paul Bowman

Title: ~~Chief Development Officer and~~ Senior Vice President

Project No. G931 expanded by J276

APPENDICES TO GIA

Appendix A Interconnection Facilities, Network Upgrades, System Protection Facilities, Generator Upgrades and Distribution Upgrades

Appendix B Milestones

Appendix B-1 Pre-Certification Generation Test Notification Form

Appendix C Interconnection Details

Appendix D Security Arrangements Details

Appendix E Commercial Operation Date

Appendix F Addresses for Delivery of Notices and Billings

Appendix G Interconnection Requirements for a Wind Generating Plant

Appendix H Interconnection Requirements for Provisional GIA

Appendix I Requirements Applicable to Net Zero Interconnection Service

Appendix A To GIA

Also known as Interconnection Customer's Project G931 expanded by J276 which includes a Generating Facility, Interconnection Facilities, Network Upgrades, System Protection Facilities, Generator Upgrades and Distribution Upgrades as provided below.

1. Description of Generating Facility

Interconnection Customer ~~shall install a 150~~installed a 150 MW Wind Farm Generating Facility. All studies were performed at or below the net output of 150 MW.

The ~~G931 Generating~~G931 Generating Facility wind turbines ~~will be~~are located in Iroquois County, Illinois. The wind turbines ~~will be~~are General Electric 1.6MW XLE machines. The 94 wind turbines ~~will be~~are connected to the Interconnection Customer's 34.5 kV collector system and two (2) 138/34.5kV, 60/80/100 MVA transformers with one (1) high side 138 kV circuit breaker.

A one-line diagram of the Interconnection Customer's ~~proposed~~ collection substation is shown in Exhibit A1-1.

The ~~conditional~~G931 service is 150 MW of ERIS ~~will become 150 MW of and~~ NRIS ~~and ERIS~~, where the NRIS cannot exceed 30 MW, ~~upon~~. Pursuant to J276 the NRIS becomes 150 MW after completion of all ~~needed~~the facilities ~~as described and or included~~listed in ~~this GIA~~.Exhibit A10 (expected by December 31st, 2019)

2. Interconnection Facilities: COMPLETE

The Generating Facility will interconnect with the Transmission Owner's Transmission System via an estimated 2 mile long 138 kV radial line ("Radial Line") to the Transmission Owner's new 3-breaker 138 kV interconnection substation ("G931 Interconnection Substation"). The G931 Interconnection Substation will connect to Transmission Owner's existing 138 kV transmission line between Transmission Owner's Watseka and Morrison Ditch substations.

(a) Point of Interconnection and Point of Change of Ownership.

The Generating Facility Point of Interconnection for Project G931 (as expanded by J276) shall be the point where Transmission Owner's Interconnection Facilities connect to the Transmission Owner's 138 kV line terminal at the 138 kV bus in the G931 Interconnection Substation.

The Point of Change of Ownership shall be at the terminal pad connection of the Radial Line conductor at the Transmission Owner's 138kV dead-end structure located in the G931 Interconnection Substation.

A one-line diagram of the Transmission Owner's G931 Interconnection Substation showing the Point of Interconnection and the Point of Change of Ownership is shown in Exhibit A2-1.

(a) ~~(b)~~ — Interconnection Customer's Interconnection Facilities to be Owned and Constructed by Interconnection Customer:

The Interconnection Customer's Interconnection Facilities shall include:

- 1) A 138 kV circuit breaker bay complete with circuit breaker, isolating disconnect switches, dead-end, bus, steel, insulators, and foundations located within the Generating Facility substation fence.

The 138 kV bus position where the Radial Line will connect at the G931 Interconnection Substation will have line protection relays. Also, the Radial Line will require a pilot relay system. The pilot relay system will require a communication channel via fiber optic shield wire, installed by the Interconnection Customer, between the G931 Interconnection Substation and the Generating Facility substation.

- ~~2~~1) Construction of the Radial Line will be the sole responsibility (funded, constructed, owned, operated and maintained) of the Interconnection Customer. Interconnection Customer shall provide breaker status from the Generating Facility to Transmission Owner for transmission system operation and protection.
- ~~3~~1) The ownership demarcation shall be the terminal pad connection of the Radial Line conductor at the Transmission Owner's 138 kV dead-end structure located at the G931 Interconnection Substation. The Interconnection Customer shall furnish downward pointing NEMA four hole terminal pads (finished on both sides) for Transmission Owner's connections at this point.
- ~~4~~1) The Interconnection Customer will provide RTU/SCADA Generating Facility and Interconnection Customer Interconnection Facility data including but not limited to MW, MVAR, MWhr, MVARhr, volts, amps, breaker status, and station battery alarm to the Transmission Owner's Transmission Dispatch Center ("TDC"), to the Transmission Provider, and to the Local Balancing Authority which is Ameren Transmission Operations.
- ~~5~~1) Station Service - Interconnection Customer is responsible for coordinating station service supply at the Generating Facility substation. Unless the Interconnection Customer is able to make other lawful arrangements, the local electric distribution company must be contacted to address normal and emergency back-up station power needs during and after project construction. Station Service power may be obtained per the Transmission Provider's Tariff Schedule 20. The Interconnection Customer is responsible to address any

claims that may be made by the local electric distribution company for supplying load service to the Generating Facility.

The design of the Interconnection Customer's 138 kV facilities, to be built by the Interconnection Customer, will be reviewed and coordinated with the Transmission Owner to meet the Transmission Owner's interconnection requirements.

See Exhibit A1-1 for Interconnection Customer's one-line diagram.

(c) **Transmission Owner's Interconnection Facilities to be Constructed by the Transmission Owner at the G931 Interconnection Substation** (including Metering which will be provided by the Transmission Owner).

The Transmission Owner's Interconnection Facilities shall include:

- 1) A 138 kV terminal in the G931 Interconnection Substation for the Interconnection Customer. This terminal will consist of the necessary terminal equipment including one (1) 138 kV disconnect switch and will tap off the substation ring bus arrangement.
- 2) Miscellaneous Transmission Owner's Interconnection Facilities at ~~the G931~~[the G931](#) Interconnection Substation include SCADA, protection, and control equipment. The billing meter point will be at the 138 kV Radial Line terminal within the G931 Interconnection Substation. Transmission Owner will purchase and install the necessary potential and current transformers as well as the meter.

Total Estimated Project Cost +/- 20% in 2009 dollars: \$335,000

The estimate does not include escalation or tax gross-up. Payments for Transmission Owner's Interconnection Facilities under this GIA satisfy the 'safe harbor' requirements under IRS Notices 88-129, 90-60, and 2001-82.

See Exhibit A2-1 for Transmission Owner's one-line diagram of the G931 Interconnection Substation.

3) **Network Upgrades - [COMPLETE](#)**

(a) **Stand Alone Network Upgrades (Original Network Upgrade)**

The G931 Interconnection Substation will be constructed approximately ten miles east of Watseka, Illinois, and approximately one and a half miles south of Sheldon, Illinois, and US Route 24 in Iroquois County, Illinois. It will be located south of both the Transmission Owner's 138 kV transmission line between Watseka and Morrison Ditch substations and County Road 1600 North as shown on Exhibit A1-2.

The G931 Interconnection Substation provides the Point of Interconnection for the Interconnection Customer's wind farm. The substation will be a three-breaker ring bus arrangement. The existing Watseka-Morrison Ditch 138 kV transmission line will be cut and the new ends terminated at two line terminal positions in the substation. The wind farm will interconnect at a third terminal position.

Total Estimated Project Cost +/- 20% in 2009 dollars: \$3,555,000

The estimate does not include escalation or tax gross-up. Payments for Network Upgrades under this GIA satisfy the 'safe harbor' requirements under IRS Revenue Procedure 2005-35.

(b) Network Upgrades

- 1) Split and Tap Line from Watseka to Morrison Ditch into new G931 Interconnection Substation. (Original Network Upgrade)

Total Estimated Project Cost +/- 20% in 2009 dollars: \$320,000

The estimate does not include escalation or tax gross-up. Payments for Network Upgrades under this GIA satisfy the 'safe harbor' requirements under IRS Revenue Procedure 2005-35.

- 2) Clear approximately 22.1 circuit miles of 138 kV line between the Gilman South and Paxton East substations for High Temperature Operation. Some of the existing wood "H-frame" type structures will be replaced with new wood "H-frame" type. (Original Network Upgrade).

Total Estimated Project Cost +/- 20% in 2009 dollars: \$1,245,000

The estimate does not include escalation or tax gross-up. Payments for Network Upgrades under this GIA satisfy the 'safe harbor' requirements under IRS Revenue Procedure 2005-35.

- ~~3~~2) Upgrade CTs at Breaker Position 1831 at Paxton East Substation. (Original Network Upgrade)

Total Estimated Project Cost +/- 20% in 2009 dollars: \$11,100

The estimate does not include escalation or tax gross-up. Payments for Network Upgrades under this GIA satisfy the 'safe harbor' requirements under IRS Revenue Procedure 2005-35.

- ~~4~~2) Replace CTs at Breaker Position 1374 at Watseka Substation. (Original Network Upgrade)

Total Estimated Project Cost +/- 20% in 2009 dollars: \$3,750

The estimate does not include escalation or tax gross-up. Payments for Network Upgrades under this GIA satisfy the 'safe harbor' requirements under IRS Revenue Procedure 2005-35.

- 5)2) Reconductor the Gilman South-Paxton East 138 kV line. (Incremental Network Upgrade)

Replace approximately 22.1 circuit miles of 556 MCM ACSR conductor with 556 MCM ACSS conductor. Some or all of the existing wood "H-frame" type structures will be replaced with new wood "H-frame" type.

Total Estimated Project Cost +/- 20% in 2011 dollars: \$4,845,000

The estimate does not include escalation or tax gross-up. Payments for Network Upgrades under this GIA satisfy the 'safe harbor' requirements under IRS Revenue Procedure 2005-35.

- 6) Upgrade Bus Conductor at Breaker Position 1831 at Paxton East Substation. (Incremental Network Upgrade)

Total Estimated Project Cost +/- 20% in 2011 dollars: \$13,250

The estimate does not include escalation or tax gross-up. Payments for Network Upgrades under this GIA satisfy the 'safe harbor' requirements under IRS Revenue Procedure 2005-35.

- 7) Reconductor the Watseka-G931 Interconnection Substation 138 kV line segment. (Incremental Network Upgrade)

Replace approximately 10 circuit miles of 1024 MCM ACAR conductor with 795 MCM ACSS conductor. Some or all of the existing wood "H-frame" type structures will be replaced with new wood "H-frame" type structures.

Total Estimated Project Cost +/- 20% in 2011 dollars: \$2,685,000

The estimate does not include escalation or tax gross-up. Payments for Network Upgrades under this GIA satisfy the 'safe harbor' requirements under IRS Revenue Procedure 2005-35.

- 8) Upgrade CTs, Bus Conductor, and Disconnect Switches at Breaker Position 1372 at Watseka Substation. (Incremental Network Upgrade)

Total Estimated Project Cost +/- 20% in 2011 dollars: \$94,000

The estimate does not include escalation or tax gross-up. Payments for Network Upgrades under this GIA satisfy the 'safe harbor' requirements under IRS Revenue Procedure 2005-35.

- 9) Upgrade Bus Conductor and Disconnect Switches at Breaker Position 1374 at Watseka Substation. (Incremental Network Upgrade)

Total Estimated Project Cost +/- 20% in 2011 dollars: \$90,250

The estimate does not include escalation or tax gross-up. Payments for Network Upgrades under this GIA satisfy the 'safe harbor' requirements under IRS Revenue Procedure 2005-35.

(c) Common Use Upgrades.

The obligations with respect to the Common Use Upgrades will be governed by a separate Multi-Party Facilities Construction Agreement.

(d) Shared Network Upgrades.

Interconnection Customer is not responsible for refunding any higher queued interconnection customer Network Upgrades.

4. **{reserved}**

5. **System Protection Facilities**

- (a) System Protection Facilities not listed in Section 2, 3, or 4 to be constructed by the Interconnection Customer.**

None

- (b) System Protection Facilities not listed in Section 2, 3, or 4 to be constructed by the Transmission Owner.**

None

6. **Distribution Upgrades**

None

7. **Generator Upgrades**

None

- | 8. **Contingency List** [includes higher queued Interconnection Requests and contingency Network Upgrades, System Protection Facilities, or Distribution Upgrades of higher queued Interconnection Requests pursuant to Article 11.3.1 that are subject to restudy in accordance with Article 11.3.2]

See Exhibit A10.

- | 9. **Affected Systems Facilities Required - COMPLETE**

Under a separate facilities construction agreement with NIPSCO, Interconnection Customer will fund the necessary Network Upgrades on NIPSCO Circuit 13857 connecting NIPSCO's Goodland and Reynolds substations.

- | 10. **Additional Approvals**

Construction of the Transmission Owner's Interconnection Facilities and Network Upgrades is conditioned upon receipt by Transmission Owner of approval from any jurisdiction having authority over the construction. No approvals, except approvals for outages, are needed.

- | 11. **Cost Responsibility**

Interconnection Customer and Transmission Owner hereby acknowledge and agree that the costs listed in these appendices are only estimates. Interconnection Customer shall pay Transmission Owner for all actual costs, including any applicable direct or indirect taxes or tax-related gross-up, associated with Transmission Owner's installation of Transmission Owner's Interconnection Facilities, System Protection Facilities, Generator Upgrades, Distribution Upgrades and/or Network Upgrades. Transmission Owner has identified the facilities subject to reimbursement in Exhibit A-9 below as provided in Attachment FF.

11.1 Cost Estimates

- 11.1.1** Interconnection Customer's total estimated cost for the installation of Interconnection Customer's Interconnection Facilities is not available.
- 11.1.2** Interconnection Customer's total estimated cost for the installation of Transmission Owner's Interconnection Facilities is **\$335,000**.
- 11.1.3** Interconnection Customer's total estimated cost for the installation of Network Upgrades under this GIA is **\$12,862,350**. Of this amount, \$5,134,850 is for Original Network Upgrades identified in the original GIA prior to March 22, 2011, and \$7,727,500 is for Incremental Network Upgrades identified in the First Amended GIA subsequent to March 22, 2011.

11.1.4 Interconnection Customer's total estimated cost for the installation of System Protection Facilities is **\$0**.

11.1.5 Interconnection Customer's total estimated cost for the installation of Distribution Upgrades is **\$0**.

11.1.6 Interconnection Customer's total estimated cost for the installation of Generator Upgrades is **\$0**.

11.2 Pursuant to *Midwest Independent Transmission System Operator, Inc.*, 129 FERC ¶ 61,060 (2009) ("*RECB III Order*"), this agreement is subject to the currently effective transmission crediting provisions of Attachment FF (effective July 10, 2009) on file at the Commission. Any subsequent Commission order on rehearing or federal court appeal of the *RECB III Order* that revises the transmission crediting provisions may be applicable to this GIA.

In accordance with the FERC order of April 18, 2013, *Midwest Independent Transmission System Operator, Inc.*, 143 FERC ¶ 61,050 at P 67-70 (2013), the cost of Original Network Upgrades identified in the original GIA prior to March 22, 2011, will be governed by Option 1 as selected by the Transmission Owner, and the cost of Incremental Network Upgrades, those Network Upgrades identified in the First Amended GIA subsequent to March 22, 2011, will be governed by Option 2. [The Parties acknowledge that FERC's order providing that Option 1 applies to the Original Network Upgrades is pending on appeal before The United States Court Of Appeals For The Seventh Circuit and thus any outcome from that appeal could affect the applicability of Option 1 pricing for the Original Network Upgrades. Such appeal notwithstanding, Parties agree that their respective obligations under this Agreement are not suspended pending the court's consideration.](#)

12. **List of Exhibits**

- A1-1 Interconnection Customer Created One-Line
- A1-2 Interconnection Customer Created Site Map
- A2-1 Transmission Owner G931 Interconnection Substation One-Line
- A2-2 Transmission Owner System One-Line
- A3 Transmission Owner G931 Interconnection Substation Plan Drawing
- A4 Transmission Owner G931 Interconnection Substation Section Drawings
- A5 Facilities to be Constructed by Transmission Owner
- A6 Detailed Cost of Facilities to be Constructed by Transmission Owner

- A7 Facilities to be Constructed by Interconnection Customer
- A8 Detailed Cost of Facilities to be Constructed by Interconnection Customer
- A9 Facilities Subject to Reimbursement
- A10 Contingent Facilities
- A11 (Intentionally Omitted)
- A12 (Intentionally Omitted)
- A13 Permits, Licenses, Regulatory Approvals and Authorization
- A14 Interconnection and Operating Guidelines

|

Exhibit A1-1

CEII - Interconnection Customer Created One-Line – G931

CEII MATERIAL

Exhibit A1-2

CEII - Interconnection Customer Created Site Map – G931

~~Exhibit A2-1~~

~~Transmission Owner G931 Interconnection Substation One-Line~~

CEII MATERIAL

Exhibit A2-1

~~Exhibit A2-2~~

CEII - Transmission Owner System G931 Interconnection Substation One-
Line

CEII MATERIAL

Exhibit A2-2

CEII - Transmission Owner System One-Line

CEII MATERIAL

Exhibit A3

CEII - Transmission Owner G931 Interconnection Substation Plan Drawing

CEII MATERIAL

Exhibit A4
**CEII - Transmission Owner G931 Interconnection Substation Section
Drawings**

CEII MATERIAL

Exhibit A4 con't

CEII MATERIAL

Exhibit A5
Facilities to be Constructed by Transmission Owner

Type	Facilities to be Constructed by Transmission Owner	Cost Estimate
Interconnection Facilities	Construct T.O. owned Interconnection Facilities at new G931 Interconnection Substation	* \$ 335,000
Stand Alone Network Upgrade	Construct the new G931 Interconnection Substation for G931	* \$ 3,555,000
Network Upgrade	Tap the Watseka-Morrison Ditch 138 kV line for the new G931 Interconnection Substation	* \$ 320,000
Network Upgrade	Clear the Gilman South-Paxton East 138 kV line for high temperature operation	* \$ 1,245,000
Network Upgrade	Upgrade CTs at Breaker Position 1831 at Paxton East Substation	* \$ 11,100
Network Upgrade	Upgrade CTs on Breaker Position 1374 at Watseka Substation	* \$ 3,750
	SUBTOTAL FOR FACILITIES IDENTIFIED IN THE ORIGINAL GIA PRIOR TO MARCH 22, 2011	* \$ 5,469,850
Network Upgrade	Reconductor the Gilman South-Paxton East 138kV line	** \$ 4,845,000
Network Upgrade	Upgrade Bus Conductor at Breaker Position 1831 at Paxton East Substation	** \$ 13,250
Network Upgrade	Reconductor the Watseka-G931 Interconnection Substation 138 kV line	** \$ 2,685,000
Network Upgrade	Upgrade CTs, Bus Conductor, and Disconnect Switches at Breaker Position 1372 at Watseka Substation	** \$ 94,000
Network Upgrade	Upgrade Bus Conductor and Disconnect Switches at Breaker Position 1374 at Watseka Substation	** \$ 90,250
	SUBTOTAL FOR INCREMENTAL FACILITIES IDENTIFIED IN THE FIRST AMENDED GIA SUBSEQUENT TO MARCH 22, 2011	** \$ 7,727,500
	TOTAL	*** \$ <u>13,197,350</u>

* Facilities identified prior to March 22, 2011. Estimated costs are in 2009 dollars, do not include income tax gross-up or escalation, and are accurate to ±20%.

** Incremental facilities identified in the amended GIA subsequent to March 22, 2011. Estimated costs are in 2011 dollars, do not include income tax gross-up or escalation, and are accurate to ±20%.

*** Includes Interconnection Facility Cost

Exhibit A6
Detailed Cost of Facilities to be Constructed by Transmission Owner

Table A6-1
Construct T.O. Owned Interconnection Facilities at new
G931 Interconnection Substation*

Material & Labor – Control Building Components	\$ 40,000
Material & Labor – Steel Structures	\$ 46,000
Material & Labor – Disconnect Switches	\$ 32,000
Material & Labor – Metering CT's	\$ 27,000
Material & Labor – Arresters	\$ 8,000
Material & Labor – Foundations	\$ 43,000
Material & Labor – Outdoor Control Cable & Conduit	\$ 6,000
Material & Labor – Bus and Fittings	\$ 25,000
Miscellaneous Material & Labor	\$ 30,000
Construction Supervision	\$ 12,000
Engineering	\$ 20,000
Drafting	\$ 9,000
Testing	\$ 9,000
Indirect Overhead	\$ 28,000
TOTAL	\$ 335,000

* Estimated costs are in 2009 dollars, do not include income tax gross-up or escalation, and are accurate to ±20%.

**Table A6-2
Construct G931 Interconnection Substation***

Material & Labor – Circuit Breakers	\$ 258,000
Material & Labor – Control Building& Components	\$ 412,000
Material & Labor – Steel Structures	\$ 216,000
Material & Labor – Disconnect Switches	\$ 215,000
Material & Labor – Potential Devices	\$ 124,000
Material & Labor – Insulators	\$ 18,000
Material & Labor – Arresters	\$ 19,000
Material & Labor – Wave Trap	\$ 39,000
Material & Labor – Foundations	\$ 554,000
Material & Labor – Rock, Fence, & Drainage Structures	\$ 306,000
Material & Labor – Outdoor Control Cable & Trench	\$ 196,000
Material & Labor – Bus and Fittings	\$ 152,000
Material & Labor – Grounding	\$ 188,000
Miscellaneous Material & Labor	-\$ 265,000
Construction Supervision	\$ 51,000
Engineering	\$ 83,000
Drafting	\$ 32,000
Testing	\$ 85,000
Indirect Overhead	\$ 342,000
TOTAL	\$ 3,555,000
	\$ 3,555,000

* Estimated costs are in 2009 dollars, do not include income tax gross-up or escalation, and are accurate to ±20%.

**Table A6-3
Tap Watseka-Morrison Ditch 138 kV line for ~~G931 Interconnection~~ G931 Interconnection
Substation***

Material – Tapping Structures	\$ 160,000
Miscellaneous Material & Labor	\$ 90,000
Engineering, Drafting & Services	\$ 50,000
Overhead	\$ 20,000
TOTAL	\$ 320,000

* Estimated costs are in 2009 dollars, do not include income tax gross-up or escalation, and are accurate to ±20%.

**Table A6-4
Reconductor the Paxton East-Gilman South 138 kV Line ****

	Original GIA	Incremental **	This Amended GIA
Material - Poles	\$ 345,000	(\$ 75,000)	\$ 270,000
Material - Conductor		\$ 440,000	\$ 440,000
Material – Insulators, Fittings, Hardware		\$ 170,000	\$170,000
Material – Misc.	\$ 120,000	(\$ 50,000)	\$ 70,000
Construction Labor	\$ 390,000	\$3,260,000	\$ 3,650,000
Engineering	\$ 50,000	\$ 50,000	\$ 100,000
Drafting	\$ 24,000	\$ 46,000	\$ 70,000
Surveying	\$ 65,000	\$ 105,000	\$ 170,000
Real Estate	\$ 7,000	\$ 23,000	\$ 30,000
Construction Supervision	\$ 90,000	\$ 80,000	\$ 170,000
Damage	\$ 64,000	\$ 276,000	\$ 340,000
Stores Handling and Overheads	\$ 90,000	\$ 520,000	\$ 610,000
TOTAL	\$1,245,000	\$4,845,000	\$ 6,090,000

* Facilities identified in the original GIA prior to March 22, 2011. Estimated costs are in 2009 dollars, do not include income tax gross-up or escalation, and are accurate to +/-20%.

** Incremental facilities identified in the amended GIA subsequent to March 22, 2011. Estimated costs are in 2011 dollars, do not include income tax gross-up or escalation, and are accurate to ±20%.

**Table A6-5
Upgrade CTs and Bus Conductor at Breaker Position 1831 at Paxton East Substation ****

	Original GIA *	Incremental**	This Amended GIA
Labor – Reset CT Ratios & Change Settings	\$ 3,800		\$ 3,800
Material & Labor – Bus Conductor & Fittings		\$ 12,000	\$ 12,000
Construction Supervision	\$ 400	\$ 400	\$ 800
Engineering	\$ 3,400	\$ 850	\$ 4,250
Drafting	\$ 2,400		\$ 2,400
Testing	\$ 850		\$ 850
Indirect Overhead	\$ 250		\$ 250
TOTAL	\$ 11,100	\$ 13,250	\$ 24,350

* Facilities identified in the original GIA prior to March 22, 2011. Estimated costs are in 2009 dollars, do not include income tax gross-up or escalation, and are accurate to +/-20%.

** Incremental facilities identified in the amended GIA subsequent to March 22, 2011.
 Estimated costs are in 2011 dollars, do not include income tax gross-up or escalation, and are accurate to ±20%.

Table A6-6

Reconductor the Watseka-G931 Interconnection Substation 138 kV Line **

Material - Poles	\$	<u>100,000</u>
Material - Conductor	\$	<u>200,000</u>
Material – Insulators, Fittings, Hardware	\$	<u>120,000</u>
Material – Misc.	\$	<u>30,000</u>
Construction Labor	\$	<u>1,600,000</u>
Engineering	\$	<u>40,000</u>
Drafting	\$	<u>30,000</u>
Surveying	\$	<u>70,000</u>
Real Estate	\$	<u>10,000</u>
Construction Supervision	\$	<u>70,000</u>
Damage	\$	<u>150,000</u>
Stores Handling and Overheads	\$	<u>265,000</u>
TOTAL	\$	<u>2,685,000.00</u>

** Estimated costs are in 2011 dollars, do not include income tax gross-up or escalation, and are accurate to ±20%.

Table A6-7

Upgrade Breaker Position 1372 at Watseka Substation **

Labor – Reset CT Ratios & Change Settings	\$	2,550
Material & Labor – Disconnect Switches	\$	35,000
Material & Labor – Bus Conductor & Fittings	\$	14,000
Material & Labor – Steel Structure	\$	9,000
Material & Labor – Foundation	\$	10,000
Miscellaneous Material & Labor	\$	3,500
Construction Supervision	\$	1,500
Engineering	\$	6,800
Drafting	\$	5,800
Testing	\$	850
Indirect Overhead	\$	5,000
TOTAL	\$	<u>94,000</u>

** Estimated costs are in 2011 dollars, do not include income tax gross-up or escalation, and are accurate to ±20%.

**Table A6-8
Upgrade Breaker Position 1374 at Watseka Substation ****

	Original GIA*	Incremental**	This Amended GIA
Labor – Reset CT Ratios & Change Settings	\$ 750	\$ 1,800	\$ 2,550
Material & Labor – Disconnect Switches		\$ 35,000	\$ 35,000
Material & Labor – Bus Conductor & Fittings		\$ 14,000	\$ 14,000
Material & Labor – Steel Structure		\$ 9,000	\$ 9,000
Material & Labor – Foundation		\$ 10,000	\$ 10,000
Miscellaneous Material & Labor		\$ 3,500	\$ 3,500
Construction Supervision	\$ 400	\$ 1,100	\$ 1,500
Engineering	\$ 1,400	\$ 5,400	\$ 6,800
Drafting	\$ 1,000	\$ 4,800	\$ 5,800
Testing	\$ 150	\$ 700	\$ 850
Indirect Overhead	\$ 50	\$ 4,950	\$ 5,000
TOTAL	\$ 3,750	\$ 90,250	\$ <u>94,000</u>

* Facilities identified in the original GIA prior to March 22, 2011. Estimated costs are in 2009 dollars, do not include income tax gross-up or escalation, and are accurate to +/-20%.

** Incremental facilities identified in the amended GIA subsequent to March 22, 2011. Estimated costs are in 2011 dollars, do not include income tax gross-up or escalation, and are accurate to ±20%.

Exhibit A7
Facilities to be Constructed by Interconnection Customer

Type	Facilities to be Constructed by Interconnection Customer	Cost Estimate
Stand Alone Network Upgrades	No Stand Alone Network Upgrades are to be constructed by the Interconnection Customer	Not Applicable
Network Upgrades	No Network Upgrades are to be constructed by the Interconnection Customer	Not Applicable
Interconnection Facilities	Appendix A Exhibit A1-1 shows Interconnection Customer's Interconnection Facilities.	Not Available
Generating Facility Substation	New 138 kV step-down substation for collection of wind farm generation	Not Available

Exhibit A8
Detailed Cost of Facilities to be Constructed by Interconnection Customer

No Network Upgrades are to be constructed by the Interconnection Customer.

The Interconnection Customer has not provided cost estimates for Interconnection Facilities to be constructed by the Interconnection Customer.

|

Exhibit A9
Facilities Subject to Transmission Service Credit Reimbursement

Type	Facilities to be Constructed by Transmission Owner	Cost Estimate
Stand Alone Network Upgrade	Construct the new G931 Interconnection Substation for G931	*\$ 3,555,000
Network Upgrade	Tap Watseka-Morrison Ditch 138 kV line for the new G931 Interconnection Substation	*\$ 320,000
Network Upgrade	Clear the Gilman South-Paxton East 138 kV line for high temperature operation	**\$ 1,245,000
Network Upgrade	Upgrade CTs on Breaker 1831 at Paxton East Substation	**\$ 11,100
Network Upgrade	Upgrade CTs on Breaker Position 1374 at Watseka Substation	*\$ 3,750
	SUBTOTAL FOR FACILITIES IDENTIFIED IN THE ORIGINAL GIA PRIOR TO MARCH 22, 2011¹	*\$ 5,134,850
Network Upgrade	Reconductor the Gilman South-Paxton East 138 kV line	** \$ 4,845,000
Network Upgrade	Upgrade Bus Conductor on Breaker 1831 at Paxton East Substation	** \$ 3,250
Network Upgrade	Reconductor the Watseka-G931 Interconnection Substation 138 kV line	**\$ 2,685,000
Network Upgrade	Upgrade CTs, Bus Conductor, and Disconnect Switches at Breaker Position 1372 at Watseka Substation	**\$ 94,000
Network Upgrade	Upgrade Bus Conductor and Disconnect Switches at Breaker Position 1374 at Watseka Substation	**\$ 90,250
	SUBTOTAL FOR INCREMENTAL FACILITIES IDENTIFIED IN THE FIRST AMENDED GIA SUBSEQUENT TO MARCH 22, 2011²	** \$ 7,727,500
	TOTAL	\$ 12,862,350

* Network Upgrades identified prior to March 22, 2011. Estimated costs are in 2009 dollars, do not include income tax gross-up or escalation, and are accurate to ±20%.

¹ Attachment FF Option 1 applies.

² Attachment FF Option 2 applies.

** Incremental Network Upgrades identified subsequent to March 22, 2011. Estimated costs are in 2011 dollars, do not include income tax gross-up or escalation, and are accurate to $\pm 20\%$.

Exhibit A10 Contingent Facilities

G931 was evaluated as part of the DPP-~~Nov~~-2008--NOVIL Group System Impact Study. All Contingent Facilities that were listed in the ORIGINAL GIA and the AMENDED AND RESTATED GIA for G931 are in-service and complete at this time.

J276 was the only project in the DPP-2014-FEB-IL Group System Impact Study.~~Several higher queued projects not yet in service were included in this study as shown in the table below where NRIS Analysis only was performed.~~ J276 is contingent upon the completion of all Contingent Facilities identified within this GIA.

Contingent Facilities are those facilities from higher queued projects that are needed for this Interconnection Service. If the higher queued generators were to drop out, then ~~this generator~~the Interconnection Customer would be expected to finance the Contingent Facilities and be subject to reevaluation to ensure that counter flows have not masked facility constraints to the extent the Interconnection Customer desires to obtain the J276 expansion capacity.

~~No~~ Contingent Facilities ~~were identified~~ for the ~~G931~~J276 project are shown below.

**Table A10-1
Higher Queued MISO Projects**

J276 Study Model Topology Changes:

<u>Project</u> <u>EP ID</u>	<u>Point of</u> <u>Interconnection</u> <u>Facility</u>	<u>Type</u> <u>Descript</u> <u>ion</u>	<u>Capacity (MW)</u> <u>Expected</u> <u>Completion Date</u>
IP033690	Brokaw to Mahomet 138 <u>kV bus</u> <u>Hoopeston Wind</u> <u>(H094) Generator</u> <u>Connection</u>	Wind <u>MISO</u> <u>Project H094</u> <u>Generator</u> <u>Connection:</u> <u>Establish a 3-</u> <u>breaker 138</u> <u>kV ring bus in</u> <u>the</u> <u>Hoopeston-</u> <u>Vermillion</u> <u>138 kV line to</u> <u>establish a</u> <u>connection to</u> <u>the wind farm.</u> <u>Need 3-2000</u> <u>A, 138 kV</u>	79 <u>12/1/2014</u> <u>Completed 5/09/2014</u>

		<u>PCB's. Reconductor 12.73 miles of 350 kmil CU in Paxton East-Rantoul Jct. 138 kV line.</u>	
IP08 <u>1899</u>	Raab Rd to Oglesby 138 kV line <u>Macy to Rochester Metals Jct 69kV reconductor</u>	Wind <u>Recondu ctor Macy to Rochester Metals Jct section of 6957 circuit with 477ACSR - approx 9.1 miles</u>	200 <u>806/01/2016</u>
G545	East Kewanee Substation 138 kV bus	Wind	200
G569	Galesburg East 138 kV Substation	Wind	200
G598 <u>2239</u>	Quincy East <u>Proposed MVP Portfolio 1 - Sidney to Meredosia 138</u> <u>Rising 345 kV line</u>	Wind <u>Sidney to Rising 345 kV line</u>	200 <u>14411/15/2016</u>
G599 <u>3203</u>	Quincy East to Meredosia 138 kV line <u>Proposed MVP Portfolio 1 - Reynolds to Burr Oak to Hiple 345 kV</u>	Wind <u>Reynold s to Burr Oak to Hiple 345 kV line and tie in second AEP 345 kV circuits at Reynolds and Hiple</u>	200 <u>14412/31/2019</u>

J276 Prior Queued Generation:

<u>Queue #</u>	<u>POI Data</u>			<u>Generator Data</u>		
	<u>Control Area</u>	<u>County</u>	<u>State</u>	<u>Pmax</u>	<u>Fuel Type</u>	<u>Expected In-Service Date</u>
<u>H094</u>	<u>AMRN</u>	<u>Vermillion</u>	<u>IL</u>	<u>99</u>	<u>Wind</u>	<u>12/31/2014</u>
<u>G984</u>	<u>AMRN</u>	<u>Jasper</u>	<u>IL</u>	<u>42</u>	<u>Coal</u>	<u>5/2019</u>
<u>J034</u>	<u>AMRN</u>	<u>Logan</u>	<u>IL</u>	<u>175</u>	<u>Wind</u>	<u>12/31/2014</u>

J276 Same Group Study Generation:
None

Exhibit A11
(Intentionally Omitted)

Exhibit A12
(Intentionally Omitted)

Exhibit A13
Permits, Licenses, Regulatory Approvals and Authorizations

Permits required for the construction of the G931 Interconnection Substation shall be the responsibility of the Interconnection Customer, unless otherwise required by the permitting authority or mutually agreed by the Interconnection Customer and the Transmission Owner. This includes, but is not limited to: building permits, roadway access, wetland permit, storm water runoff permit, Department of Transportation permits and county zoning permits.

Permits, licenses, regulatory approvals and authorization required for the construction of Interconnection Customer owned facilities, including the 138 kV Radial Line from the interconnection substation to the Interconnection Customer substation, will be the responsibility of the Interconnection Customer.

Exhibit A14

Interconnection and Operating Guidelines

Power Factor Range

Ameren planning criteria states that an interconnecting generator must be able to operate within a power factor range of 0.95 lagging (supplying VARs to the system) to 0.95 leading (absorbing VARs from the system) at the Point of Interconnection (POI). However, Ameren's planning criteria also recognizes that FERC specifies this requirement for wind generators only if the Transmission Provider's System Impact Study shows that such capability is warranted for the safe and reliable operation of the Transmission System. If a power factor range is not specified, the wind generation facility will operate at unity power factor (VAR neutral) at the POI.

The results of the system impact study show that MISO project G931 will be required to help control system voltages and shall be designed to have the ability to operate between 0.95 lagging to 0.95 leading at the POI. The G931 project will be required, if necessary, to install additional equipment (e.g. capacitor banks) to maintain a 0.95 lagging to 0.95 leading power factor at the POI. The details of this will depend on the ultimate design of the customer's collector/step-up facilities and whether or not the reactive power loss from these facilities exceeds the reactive power capability of the generators

Low Voltage Ride Through

All wind turbine generators must meet the applicable FERC 661-A LVRT requirements. The General Electric 1.6MW XLE variable speed wind turbines chosen for the G931 project are equipped with fault ride-through capability. With this capability enabled, G931 General Electric wind turbines were able to ride through all of the faults evaluated in the system impact study, thereby meeting the FERC Order 661A Post-Transitional LVRT criteria.

Dynamic Reactive Power Capability

The General Electric 1.6MW XLE variable speed wind turbines chosen for the G931 project are expected to provide dynamic reactive capability. The reactive capability of the General Electric wind turbine is a function of the active power and terminal voltage. In order to maximize the reactive capability of the General Electric wind turbines it is recommended that the terminal voltage be maintained as close to the rated voltage as possible. This will likely require taps on the 138/34.5 kV transformer. At rated voltage, the General Electric wind generators can operate at power factors between 0.90 leading to 0.90 lagging at the generator terminals.

Operating to a Specified Voltage or VAR Schedule

The G931 wind generation facility will be required to operate to a voltage schedule of 142kV to 144.9kV at the POI. The voltage schedule will be provided at the time of startup by the Transmission Owner's Transmission Operations group.

Operating Guidelines

The System Impact Study identified three injection related constraints that are attributable to the MISO G931 project. Upgrades to relieve these constraints are included in this GIA. Once these upgrades have been implemented the generator will be allowed to operate up to the requested

maximum output level of 150 MW without an operating guideline. No operating guide is proposed during the upgrade implementation phase. Future operating restrictions may occur due to prolonged outages or dispatch scenarios not anticipated in the system impact study. Short-term operating guidelines may be implemented under these conditions to relieve any constraints or criteria violations attributed to the G931 project.

**Appendix B
To GIA**

Milestones

- 1. Selected Option pursuant to Article 5.1:** The Parties acknowledge that Section 30.2 provides that conflicts between the Appendices and the body of the GIA are to be resolved in favor of the body of the GIA. The Parties acknowledge that the items set forth below are intended to explain the provisions of the GIA and to set forth the specific agreement of the Interconnection Customer and Transmission Owner relating to certain aspects of the agreement which are not resolved by the terms of the GIA. The specific items set forth below are not intended to be in conflict with the provisions of the GIA.
- 1.2.** Interconnection Customer selects the Standard Option as described in Article 5.1.1. Articles 5.1.2, 5.1.3, 5.1.4 and 5.3 shall not apply to this GIA. If it is asserted that any element of the items set forth above are in conflict with the terms of the GIA, then any Party to this GIA may exercise its Section 205 or 206 rights under the Federal Power Act to resolve such conflict and the terms of the GIA shall not be deemed to be controlling until any such proceeding commenced has been resolved by a final, non-appealable order.
- 2.3.** To the extent Interconnection Customer is entitled to a cash repayment by the Transmission Owner under the provisions of Attachment FF of the Tariff, including any taxes, and that repayment has not been previously repaid to Interconnection Customer, the repayment shall be paid to Interconnection Customer within ninety (90) Calendar Days following the date the Generating Facility achieves Commercial Operation or within ninety (90) Calendar Days following the date when the Transmission Owner's Interconnection Facilities and Network Upgrades are in-service. In accordance with Section 11.4 of the GIA, any repayment to Interconnection Customers shall include interest calculated in accordance with the methodology set forth in FERC's regulations at 18 C.F.R. § 35.19a (a)(2)(iii) from the date of any payment for Network Upgrades through the date on which the Interconnection Customer receives a repayment.
- 4. Milestones:** The description and date entries listed in the following tables are provided solely for the convenience of the Parties in establishing their applicable milestones consistent with the provisions of this GIA and the terms of the GIP. The failure of Transmission Owner to meet any date on this milestone schedule shall not result in any liability on the part of Transmission Owner.

**Table B1
G931 Project Milestones**

COMPLETE

No.	Description	Date
	Effective Date of the Original GIA	February 5, 2010
	Effective Date of this Amended and Restated GIA	April 9, 2011
1	Interconnection Customer to fund the separate Facilities Construction Agreement with the Northern Indiana Public Service Company.	Prior to commencement of Interconnection Service under this GIA. - completed
2	Interconnection Customer to give the Transmission Provider and the Transmission Owner notice in writing that the facilities covered by the separate Facilities Construction Agreement with the Northern Indiana Public Service Company have been completed and placed in service	Prior to commencement of Interconnection Service under this GIA.
3	Interconnection Customer to fund the separate Multi-Party Facilities Construction Agreement with the Projects G996 and H100.	Prior to commencement of Interconnection Service under this GIA and pursuant to the funding date requirements of the Multi-Party Facilities Construction Agreement.
4	Transmission Owner to give the Transmission Provider and the Interconnection Customer notice in writing that the facilities covered by the separate Multi-Party Facilities Construction Agreement have been completed and placed in service	Prior to commencement of Interconnection Service under this GIA.
5	Interconnection Customer, Transmission Owner, and Transmission Provider to each provide the other with all Certificates of Insurance required by this GIA. (GIA Article 18.4.9)	Within 10 Business Days of the Original Effective Date of this GIA; within 90 Calendar Days of end of fiscal year or insurance renewal date - completed
6	Interconnection Customer to provide to Transmission Provider (a) reasonable evidence of continued site control at Interconnection Customer's collection substation or (b) post \$250,000 non-refundable additional security (GIP Article 11.3)	Within 15 Business Days of the Original Effective Date of this GIA - completed

No.	Description	Date
7	Interconnection Customer to provide to Transmission Provider evidence of one or more of the following milestones being achieved: (a) execution of contract for fuel supply transport, (b) execution of contract for cooling water supply, (c) execution of contract for engineering procurement of major equipment or construction, (d) execution of contract for sale of electric energy or capacity; or (e) documentation of application for air, water, or land use permits (GIP Article 11.3)	Within 180 Calendar Days of the Original Effective Date of this GIA - completed
8	Interconnection Customer to provide to Transmission Owner with a property survey, showing physical benchmarks, for the G931 Interconnection Substation Site.	Prior to or concurrent with Milestone 9 - completed
9a	Interconnection Customer to provide to Transmission Owner security required for facilities to be constructed under the Original GIA. (GIA Article 11.5)	Prior to or concurrent with Milestone 10 – completed
9b	Interconnection Customer to provide to Transmission Owner security required for new or modified facilities to be constructed under this GIA. (GIA Article 11.5)	Within 60 days of the effective date of the Amended and Restated Agreement
10	Interconnection Customer to provide to Transmission Owner the first progress payment in the amount of \$1,000,000 for the start of engineering, design, and procurement of long lead time materials.	Within 15 Business Days of the Original Effective Date of this GIA - completed
11	Transmission Owner to begin design of Transmission Owner's Interconnection Facilities and Network Upgrades.	Upon receipt of the payment specified in Milestone 10, but no sooner than 15 Business Days after the Effective Date of this GIA.
12	Transmission Owner to provide to Interconnection Customer grading standards and specifications for the G931 Interconnection Substation property	March 1, 2010- completed
13	Interconnection Customer to provide to Transmission Owner access rights and truck access route to the G931 Interconnection Substation property for soil borings, ground resistance testing, and topographic survey	March 15, 2010 - completed
14	Interconnection Customer to provide to Transmission Owner grading drawings for the G931 Interconnection Substation for review	April 1, 2010 - completed

No.	Description	Date
15	Interconnection Customer to provide to Transmission Owner relaying design and specifications for Interconnection Customer's Interconnection Facilities	April 1, 2010 - completed
16	Transmission Owner to review and approve Interconnection Customer's grading drawings for the G931 Interconnection Substation	Within 2 weeks of Milestone 14 - completed
17	Transmission Owner to review and approve Interconnection Customer's relaying design and specifications for Interconnection Customer's Interconnection Facilities	Within 2 weeks of Milestone 14 - completed
18	Interconnection Customer to provide to Transmission Owner and Transmission Provider initial design and specifications for Interconnection Customer's Interconnection Facilities for comment. (GIA Article 5.10.1)	Not later than 180 Calendar Days prior to Initial Synchronization Date, Milestone 33.
19	Transmission Owner and Transmission Provider to provide to Interconnection Customer comments on the initial design and specifications for Interconnection Customer's Interconnection Facilities. (GIA Article 5.10.1)	Within 30 Calendar Days after submission of initial design and specifications, Milestone 18
20	Interconnection Customer to provide to Transmission Owner a second progress payment of \$2,532,080 for continuing engineering, design, and material procurement.	60 Calendar Days after Milestone 11, not later than April 23, 2010 - completed
21	Pre-construction meeting	As may be agreed to by the Parties
22	Interconnection Customer to provide to Transmission Owner a fully graded site, the deed to the property, a usable entrance road, permits, and permit approvals.	May 31, 2010 - completed
23	Interconnection Customer to provide to Transmission Owner a third progress payment of \$883,020 for construction of Interconnection Facilities and Network Upgrades.	June 15, 2010, to coincide with the start of construction – deferred
24	Transmission Owner to begin construction of Transmission Owner's Interconnection Facilities and Network Upgrades.	June 15, 2010 - completed
25	Interconnection Customer provide to Transmission Owner a fourth progress payment of \$883,020 for construction of Interconnection Facilities and Network Upgrades.	320 Calendar Days after Milestone 11, not later than January 8, 2011 – deferred
26	Interconnection Customer to install 138 kV connection to Transmission Owner's G931 Interconnection substation arbor.	January 8, 2011
27	Interconnection Customer provide to Transmission Owner and Transmission Provider final design and specifications for Interconnection Customer's Interconnection Facilities, SCADA and communication. for comment (GIA Article 5.10.1)	Not later than 90 Calendar Days prior to Initial Synchronization Date, Milestone 33, not later than March 2, 2011.

No.	Description	Date
28	Transmission Provider and Transmission Owner provide to Interconnection Customer comments on final design and specifications for Interconnection Customer's Interconnection Customer's Interconnection Facilities, SCADA and communication. (GIA Article 5.10.1)	Within 30 Calendar Days after submission of final design and specifications, Milestone 25
29	Interconnection Customer to provide to Transmission Provider and Transmission Owner updated Generating Facility information (GIA Article 24.3).	Not later than 180 Calendar Days prior to Trial Operation, Milestone 34, not later than December 2, 2011.
30	Interconnection Customer provide to Transmission Provider and Transmission Owner notification in writing of the Local Balancing Authority where Generating Facility is located (GIA Article 9.2)	Not later than 3 months prior to Initial Synchronization Date, Milestone 33, not later than February 28, 2011.
31	Interconnection Customer enters into agreement with Balancing Authority for control area metering.	Not later than 180 Calendar Days prior to Commercial Operation, Milestone 35. Not applicable to this GIA if the LBA is Ameren Illinois.
32	Transmission Owner to complete Transmission Line Tap Structures	May 16, 2011 – completed
33	Pre-energization meeting	As may be agreed to by the Parties
34	Transmission Owner to complete Transmission Owner's Interconnection Facilities and commission the G931 Interconnection Substation.	May 31, 2011 – completed
35	Initial Synchronization Date	Not earlier than Milestone 34, completion of TOIF
36	Trial Operation Date	Not earlier than Milestone 35, Initial Synchronization Date
37	Interconnection Customer provide to Transmission Owner a fifth progress payment of \$650,000 for construction of Network Upgrades.	120 Calendar Days after the anticipated Revised Effective Date of the Amended and Restated GIA, not later than June 1, 2011 - completed
38	Commercial Operation Date with output limited by system conditions	June 30, 2011 - completed
39	Interconnection Customer provide to Transmission Owner a sixth progress payment of \$2,400,000 for construction of Network Upgrades.	240 Calendar Days after the anticipated Revised Effective Date of the Amended and Restated GIA, not later than September 29, 2011.- completed

No.	Description	Date
40	Interconnection Customer provide to Transmission Owner a seventh progress payment of \$2,385,000 for construction of Network Upgrades.	425 Calendar Days after the anticipated Revised Effective Date of the Amended and Restated GIA, not later than April 1, 2012. - deferred
41	Interconnection Customer provide to Transmission Owner a an eighth progress payment of \$500,000 for construction of Network Upgrades.	510 Calendar Days after the anticipated Revised Effective Date of the Amended and Restated GIA, not later than June 25, 2012. - deferred
42	Interconnection Customer provide to Transmission Owner a ninth progress payment of \$1,065,000 for construction of Network Upgrades.	730 Calendar Days after the anticipated Revised Effective Date of the Amended and Restated GIA, not later than January 31, 2013. - deferred
43	Interconnection Customer provide to Transmission Owner a tenth progress payment of \$6,615,270 for construction of Network Upgrades.	880 Calendar Days after the anticipated Revised Effective Date of the Amended and Restated GIA, not later than June 30, 2013.
44	Transmission Owner to complete Network Upgrades required for unconditional Interconnection Service to be constructed under this GIA.	1151 Calendar Days after the anticipated Revised Effective Date of the Amended and Restated GIA, not later than March 28, 2014.
45	Interconnection Customer to provide to Transmission Provider and Transmission Owner “as built” drawings, information and documents regarding Interconnection Customer’s Interconnection Facilities (GIA Article 5.10.3)	Not later than 120 Calendar Days after Commercial Operation Date, Milestone 38.
46	Transmission Owner provide to Interconnection Customer and Transmission Provider “as built” drawings, information and documents regarding Transmission Owner’s Interconnection Facilities (GIA Article 5.11)	Not later than 120 Calendar Days after Commercial Operation Date, Milestone 38.
47	Transmission Owner provide to Interconnection Customer final cost invoices (GIA Article 12.2 et seq.)	Not later than 6 months after completion of all facilities to be constructed under this GIA, Milestone 44.

Table B2
J276 Project Milestones

<u>No.</u>	<u>Description</u>	<u>Date</u>
<u>1</u>	<u>Increase NRIS to 150 MW</u>	<u>Expected to be December 31st, 2019 but earlier if facilities listed for J276 in Exhibit A10 are completed earlier and later if the facilities listed for J276 in Exhibit A10 are completed later.</u>

Transmission Owner plans to complete certain of the facilities in the following order: (1) Reconductor Paxton East to-Gilman South; (2) Reconductor Watseka-931 Interconnection Substation; and (3) Common Use Upgrades. Transmission Owner will notify and discuss with the Interconnection Customer if the Transmission Owner intends to change the order, 30 days prior to the change.

The schedule:

- is estimated and is not guaranteed
- may be impacted by poor weather
- is based on five business days per week instead of seven business days used for the milestone calendar
- assumes Transmission Provider (~~Midwest ISO~~ MISO) and Transmission Owner conditions allow transmission outages as required and without delay
- Transmission Owner specifications as indicated
- assumes the Interconnection Customer will provide the necessary information to the Transmission Owner to prevent delays in the schedule. This information may include details concerning the incoming line to the substation pull-off structure, details on the fiber optics and terminations, relay coordination, and other required information.
- assumes material lead times will be similar to recent purchases of similar equipment
- assumes the Interconnection Customer and Ameren, as appropriate, have resolved permit, jurisdictional and regulatory issues prior to the scheduled start of construction
- assumes the Interconnection Customer will furnish a completed and Transmission Owner approved access road to the interconnection substation site prior to the start of Transmission Owner field activities
- assumes the Interconnection Customer will furnish the site fully graded to Transmission Owner specifications

Appendix C To GIA

Interconnection Details

This Appendix C is a part of the GIA among the Interconnection Customer, the Transmission Owner and the Transmission Provider.

1. The Transmission Owner shall provide “as-built” drawings, information and documents regarding the Transmission Owner’s Interconnection Facilities pursuant to Article 5.11 of the GIA.
- 2.1. The Interconnection Customer shall provide “as-built” drawings, information and documents regarding the Interconnection Customer’s Interconnection Facilities pursuant to Article 5.10.3 of this GIA.
3. The unique requirements of each generation interconnection will dictate the establishment of mutually agreeable Interconnection and/or Operating Guidelines that further define the requirements of this GIA. The Interconnection and/or Operating Guidelines applicable to this GIA consist of the following information. Additional detail may be provided through attachment to this Appendix C or through electronic means via the web address specified.

(a) System Protection Facilities

The Transmission Owner along with the Interconnection Customer will construct a protective relaying scheme to protect the Transmission System from faults on the Interconnection Customer’s Interconnection Facilities and faults on the Transmission Owner’s Interconnection Facilities. The Interconnection Customer will be responsible for providing appropriate System Protection Facilities for the Interconnection Customer’s Interconnection Facilities compatible with System Protection Facilities to be provided by the Transmission Owner at the Point of Interconnection. This scheme will be coordinated with and approved by Transmission Owner prior to implementation;

The relay protection scheme will consist of a SEL-311L and a SEL-321, both utilizing fiber optic communications, for line differential and permissive overreaching transfer trip schemes, respectively. Breaker failure relaying and re-closing will be accomplished with a SEL-351.

The fiber optic cable required for the relay scheme will need to directly connect from the Transmission Owner owned relays at the G931 Interconnection Substation to identical Interconnection Customer owned relays at the Generating Facility substation. The Interconnection Customer will supply and install the fiber optic cable.

Transmission Owner will trip its interconnection circuit breakers and send a direct transfer-trip signal to the Interconnection Customer’s Generating Facility substation

for any fault on the Radial Line. Subsequently, the Interconnection Customer will trip its connection to the Radial Line. Transmission Owner will wait until the Radial Line is de-energized for two seconds before automatically re-closing the Transmission Owner's circuit breakers connecting the Radial Line. The Interconnection Customer will then re-synchronize its generation (these are asynchronous machines) to the Radial Line to resume operation.

(b) Communication requirements

- a. The Interconnection Customer is responsible to install all necessary equipment to transfer all required SCADA points to the Transmission Owner system control centers for equipment installed at the Interconnection Customer's substation upon specification of such communication protocol to the Interconnection Customer by the Transmission Owner. The Interconnection Customer will be responsible to install all necessary equipment to transfer all required data for the required telemetry information to the Transmission Owner system control centers.
- b. The Interconnection Customer is responsible for all operations and maintenance costs of all the required communications equipment located at the Interconnection Customer's interconnection substation required to transmit the required data to the Transmission Owner.

(c) Metering requirements

Interconnection revenue class metering equipment is installed for the Generation Facility by the Transmission Owner at the Transmission Owner's substation. Metering will be telemetered to the Interconnection Customer, Transmission Owner and Transmission Provider control centers via the SCADA system;

(d) Grounding requirements

Not used;

(e) Transmission Line and Substation Connection configurations

The Parties agree that the connections between the Interconnection Customer's Interconnection Facilities and Transmission Owner's Interconnection Facilities will be made in accordance with Transmission Owner's specifications;

(f) Unit Stability requirements

Not used;

(g) Equipment ratings

Transmission Owner will determine the individual equipment ratings for specific Transmission Owner's Interconnection Facilities. Interconnection Customer shall size the Interconnection Customer's Interconnection Facilities using Applicable Standards, Good Utility Practice and the information provided in the Transmission Owner design guide information, Interconnection Evaluation Study, or its equivalent, in order that the Interconnection Customer's Interconnection Facilities appropriately coordinates with the Transmission Owner's Interconnection Facilities;

(h) Short Circuit requirements

Transmission Owner will determine the required short circuit ratings for all Transmission Owner's Interconnection Facilities. Interconnection Customer agrees to provide appropriately sized or short circuit-rated Interconnection Customer's Interconnection Facilities comparable to those required by Transmission Owner using Applicable Standards, Good Utility Practice and the information provided in the Transmission Owner design guide information document Interconnection Evaluation Study, or its equivalent;

(i) Synchronizing requirements

The Interconnection Customer's Interconnection Facilities will be backfed from the Transmission Owner's Interconnection Facilities utilizing the 138 kV breakers at the Interconnection Customer's interconnection substation. Transmission Owner may furnish transmission system bus potentials and bus voltage that may be used by the Interconnection Customer for synchronizing the Facility to Transmission Owner's transmission system. These potentials will be provide to the Interconnection Customer at the Transmission Owner's signal demarcation point;

(j) Generation and Operation Control requirements

The Interconnection Customer will install all necessary potential devices on its system to allow voltage control override to prevent high voltage conditions from occurring. Voltage control will override power factor in order to maintain safe and proper operation of the Transmission Owner's Transmission System as required by the standards of Transmission Owner, the Applicable Reliability Council and NERC, Good Utility Practice and documented in the Transmission Owner design guide information;

(k) Data provisions

Interconnection Customer will install all necessary equipment to monitor and send the required telemetry information to the Transmission Owner's and Transmission Provider's system control centers. The required data includes, but is not limited to: meter kW, kVAR, kWh, kVARh, breaker status. The Transmission Owner will

provide detailed specifications to the Interconnection Customer for the appropriate communications protocol in the Transmission Owner design guide information;

(l) Energization inspection and testing requirements

Interconnection Customer will provide Transmission Owner with checkout records to document that Interconnection Customer has tested all protection systems and equipment for correct operation.

(m) There are no additional requirements under section 8.4 of this GIA.

**Appendix D
To GIA**

Security Arrangements Details

Infrastructure security of Transmission or Distribution System equipment and operations, as applicable, and control hardware and software is essential to ensure day-to-day Transmission and Distribution System reliability and operational security. The Commission will expect all Transmission Providers, market participants, and Interconnection Customers interconnected to the Transmission or Distribution System, as applicable, to comply with the recommendations provided by Governmental Authorities regarding Critical Energy Infrastructure Information ("CEII") as that term is defined in 18 C.F.R. Section 388.113(c) and best practice recommendations from the electric reliability authority. All public utilities will be expected to meet basic standards for system infrastructure and operational security, including physical, operational, and cyber-security practices.

**Appendix E
To GIA**

Commercial Operation Date - COMPLETE

This Appendix E is a part of this GIA between Transmission Provider, Transmission Owner and Interconnection Customers.

[Date]

~~Midwest~~Midcontinent Independent ~~Transmission~~ System Operator, Inc.
Attn: Director, Transmission Access Planning
P.O. Box 4202
Carmel, ~~IN46082~~IN 46082-4202

for overnight deliveries:
720 City Center Drive
Carmel, ~~IN46032~~IN 46032

Re: _____ Generating Facility

Dear _____:

On **[Date]** **[Interconnection Customer]** has completed Trial Operation of Unit No. ____.
This letter confirms that **[Interconnection Customer]** commenced commercial operation of Unit No. ____ at the Generating Facility, effective as of **[Date plus one day]**.

Thank you.

[Signature]

[Interconnection Customer Representative]

xc: Transmission Owner

**Appendix F
To GIA**

Addresses for Delivery of Notices and Billings

Notices:

Transmission Provider:

~~Midwest ISO, Inc.~~

USPS mailing address:

MISO

Attn: Director, Transmission Access Planning

P.O. Box 4202

Carmel, ~~IN46082~~IN 46082-4202

~~for~~For overnight deliveries:

MISO

Attn: Director, Transmission Access Planning

720 City Center Drive

Carmel, ~~IN46032~~IN 46032

Transmission Owner:

Senior Vice President ~~of~~, Transmission

Ameren Services Company

1901 Chouteau Avenue

PO Box 66149

St. Louis, MO63166-6149

Interconnection Customer:

Settlers Trail Wind Farm, LLC

c/o E.ON Climate & Renewables

Attn: Transmission Manager - MISO

~~812 San Antonio St~~701 Brazos Street, Suite ~~201~~1400

Austin, TX78701

ecrnatransmission@eon.com

With copies to:

E.ON Climate & Renewables

Attn: General Counsel, ~~Development~~

~~812 San Antonio St, Suite 201~~

~~Austin, TX78701~~
353 Clark Street, 30th Floor
Chicago, IL 60654

E.ON Climate & Renewables
Attn: Vice President, Operations
~~812 San Antonio~~701 Brazos Street, Suite ~~201~~1400
Austin, TX78701

Billings and Payments:

Transmission Provider:

~~Midwest ISO~~
USPS mailing address:
MISO
Attn: Director, Transmission Access Planning
P.O. Box 4202
Carmel, ~~IN46082~~IN 46082-4202

for overnight deliveries:
MISO
Attn: Director, Transmission Access Planning
720 City Center Drive
Carmel, IN 46032

Transmission Owner:

Senior Vice President ~~of~~, Transmission
Ameren Services Company
1901 Chouteau Avenue
PO Box 66149
St. Louis, MO63166-6149

Interconnection Customer:

E.ON Climate & Renewables
Attn: Accounts Payable
353 N Clark, 30th Floor
Chicago, IL60654

Alternative Forms of Delivery of Notices (telephone, facsimile or email):

Transmission Provider:

Voice telephone – (317) 249-~~5496~~[5700](tel:3172495700)

Facsimile telephone – (317) 249-5358

Email address – ~~elaverty@midwestiso~~misotap@misoenergy.org or

MISOTransmissionAccessPlanning@misoenergy.org

Transmission Owner:

Voice telephone – (314) 554-2050

Facsimile telephone – (314) 554-6454

Email address – mborkowski@ameren.com

Interconnection Customer:

Voice telephone – (512 – 482-4046

Facsimile telephone – (512) – 494-9581

Email address – ~~jennifer.ayers-brasher~~ecrnatransmission@eon.com

Miscellaneous Information

Transmission Owner

DUNS #00-693-6017

Interconnection Customer

DUNS #965-006-179

APPENDIX G

INTERCONNECTION REQUIREMENTS FOR A WIND GENERATING PLANT

Appendix G sets forth requirements and provisions specific to a wind generating plant. All other requirements of this GIA continue to apply to wind generating plant interconnections.

A. Technical Standards Applicable to a Wind Generating Plant
i. Low Voltage Ride-Through (LVRT) Capability

A wind generating plant shall be able to remain online during voltage disturbances up to the time periods and associated voltage levels set forth in the standard below. The LVRT standard provides for a transition period standard and a post-transition period standard.

Transition Period LVRT Standard

The transition period standard applies to wind generating plants subject to FERC Order 661 that have either: (i) interconnection agreements signed and filed with the Commission, filed with the Commission in unexecuted form, or filed with the Commission as non-conforming agreements between January 1, 2006 and December 31, 2006, with a scheduled in-service date no later than December 31, 2007, or (ii) wind generating turbines subject to a wind turbine procurement contract executed prior to December 31, 2005, for delivery through 2007.

1. Wind generating plants are required to remain in-service during three-phase faults with normal clearing (which is a time period of approximately 4-9 cycles) and single line to ground faults with delayed clearing, and subsequent post-fault voltage recovery to prefault voltage unless clearing the fault effectively disconnects the generator from the system. The clearing time requirement for a three-phase fault will be specific to the wind generating plant substation location, as determined by and documented by the transmission provider. The maximum clearing time the wind generating plant shall be required to withstand for a three-phase fault shall be 9 cycles at a voltage as low as 0.15 p.u., as measured at the high side of the wind generating plant step-up transformer (*i.e.* transformer that steps the voltage up to the transmission interconnection voltage or “GSU”), after which, if the fault remains following the location-specific normal clearing time for three-phase faults, the wind generating plant may disconnect from the transmission system.
2. This requirement does not apply to faults that would occur between the wind generator terminals and the high side of the GSU or to faults that would result in a voltage lower than 0.15 per unit on the high side of the GSU serving the facility.
3. Wind generating plants may be tripped after the fault period if this action is intended as part of a special protection system.
4. Wind generating plants may meet the LVRT requirements of this standard by the performance of the generators or by installing additional equipment (*e.g.* Static VAR

Compensator, etc.) within the wind generating plant or by a combination of generator performance and additional equipment.

5. Existing individual generator units that are, or have been, interconnected to the network at the same location at the effective date of the Appendix G LVRT Standard are exempt from meeting the Appendix G LVRT Standard for the remaining life of the existing generation equipment. Existing individual generator units that are replaced are required to meet the Appendix G LVRT Standard.

Post-transition Period LVRT Standard

All wind generating plants subject to FERC Order No. 661 and not covered by the transition period described above must meet the following requirements:

1. Wind generating plants are required to remain in-service during three-phase faults with normal clearing (which is a time period of approximately 4-9 cycles) and single line to ground faults with delayed clearing, and subsequent post-fault voltage recovery to prefault voltage unless clearing the fault effectively disconnects the generator from the system. The clearing time requirement for a three-phase fault will be specific to the wind generating plant substation location, as determined by and documented by the transmission provider. The maximum clearing time the wind generating plant shall be required to withstand for a three-phase fault shall be 9 cycles after which, if the fault remains following the location-specific normal clearing time for three-phase faults, the wind generating plant may disconnect from the transmission system. A wind generating plant shall remain interconnected during such a fault on the transmission system for a voltage level as low as zero volts, as measured at the high voltage side of the wind GSU.
2. This requirement does not apply to faults that would occur between the wind generator terminals and the high side of the GSU.
3. Wind generating plants may be tripped after the fault period if this action is intended as part of a special protection system.
4. Wind generating plants may meet the LVRT requirements of this standard by the performance of the generators or by installing additional equipment (*e.g.* Static VAR Compensator) within the wind generating plant or by a combination of generator performance and additional equipment.
5. Existing individual generator units that are, or have been, interconnected to the network at the same location at the effective date of the Appendix G LVRT Standard are exempt from meeting the Appendix G LVRT Standard for the remaining life of the existing generation equipment. Existing individual generator units that are replaced are required to meet the Appendix G LVRT Standard.

ii. Power Factor Design Criteria (Reactive Power)

A wind generating plant shall maintain a factor within the range of 0.95 leading to 0.95 lagging, unless Transmission Provider has established different requirements that apply to all generators in the Local Balancing Authority on a comparable basis, measured at the Point of Interconnection as defined in this GIA, if the Transmission Provider's System Impact Study shows that such a requirement is necessary to ensure safety or reliability. The power factor range standard can be met by using, for example, power electronics designed to supply this level of reactive capability (taking into account any limitations due to voltage level, real power output, etc.) or fixed and switched capacitors if agreed to by the Transmission Provider, or a combination of the two. The Interconnection Customer shall not disable power factor equipment while the wind plant is in operation. Wind plants shall also be able to provide sufficient dynamic voltage support in lieu of the power system stabilizer and automatic voltage regulation at the generator excitation system if the System Impact Study shows this to be required for system safety or reliability.

iii. Supervisory Control and Data Acquisition (SCADA) Capability

The wind plant shall provide SCADA capability to transmit data and receive instructions from the Transmission Provider to protect system reliability. The Transmission Provider and the wind plant Interconnection Customer shall determine what SCADA information is essential for the proposed wind plant, taking into account the size of the plant and its characteristics, location, and importance in maintaining generation resource adequacy and transmission system reliability in its area.

Appendix H - Not Applicable
Interconnection Requirements for Provisional GIA

Provisional Agreement

This GIA is being provided in accordance with Section 11.5 of the Transmission Provider's GIP, which provides among other things, that an Interconnection Customer may request that Transmission Provider provide Interconnection Customer with a provisional GIA that limits the transfer of energy by Interconnection Customer commensurate with that allowed for Energy Resource Interconnection Service. Interconnection Customer requested Transmission Provider to provide a provisional GIA for limited operation at the discretion of Transmission Provider based upon the results of available studies (by Interconnection Customer and by Transmission Provider).

An Optional Study, the results of which are posted on the confidential portion of the Transmission Provider's internet website, was performed by Transmission Provider in order to confirm the facilities that are required for provisional Interconnection Service and to require them to be in place prior to commencement of service under the GIA.

Interconnection Customer represents that the Interconnection Customer facilities (including Network Upgrades, Interconnection Facilities, Distribution Upgrades, System Protection Upgrades and/or Generator Upgrades) that are necessary to commence provisional Interconnection Service and meet the requirements of NERC, or any applicable regional entity for the interconnection of a new generator are in place prior to the commencement of generation from the Generating Facility and will remain in place during the term of the service. The requisite Interconnection Studies were performed for the Generating Facility (under Optional Studies). Interconnection Customer shall meet any additional requirements (including reactive power requirements) pursuant to the results of applicable future Interconnection System Impact Studies. Until such time as the applicable Interconnection Studies and any identified facilities are completed, the output of the Generating Facility will operate within the output limit prescribed in a future, if applicable, operating guide.

The maximum permissible output of the Generating Facility under Appendix A will be updated by Transmission Provider on a quarterly basis, determined in accordance with Section 11.5 of the GIP, by finding the transfer limit of energy commensurate with the analysis for Energy Resource Interconnection Service ("ERIS"). This study shall be performed assuming the system topology represented by the base cases used to calculate Available Flowgate Capability, as described in Attachment C of the Tariff, with dispatch and optimization algorithms posted on the MISO internet site and operation above those limits will be deemed as unauthorized use of the Transmission System and subject to provisions in the Tariff surrounding that use.

Use of interim operating guide

Implementation of interim operating guide, if applicable, will constitute an interim solution that will permit Interconnection Customer to operate the Generating Facility under conditional

Interconnection Service until planned Network Upgrades are constructed. Any interim operating guide will be subject to the approval of Transmission Owner and Transmission Provider. Minimum requirements for an interim operating guide are as indicated below.

* Transmission Operator will have control of breaker(s) dedicated to the Generating Facility and will be able to trip the Interconnection Customer's Generating Facility

* Protection schemes must be tested and operative

* Interconnection Customer will provide continuous communication capability with the Generator Operator

* Interconnection Customer and the owner of the existing Generating Facility will enter into an operating agreement or similar agreement which designates, among other things, the responsibilities and authorities of each of the parties and shall be subject to the acceptance of Transmission Provider and Transmission Owner.

* A termination date consistent with completion of construction of Network Upgrades will be included as part of all operating guides accepted by Transmission Owner and Transmission Provider.

Interconnection Customer assumes all risks and liabilities with respect to changes, which may impact the Generator Interconnection Agreement including, but not limited to, change in output limits and responsibilities for future Network Upgrade and cost responsibilities that have not yet been identified on the direct connect Transmission System as well as all affected Transmission, Distribution or Generation System(s) including non-Transmission Provider System's. Such upgrades will be determined pursuant to the Tariff and Policies in effect at the time of the Interconnection Studies.

Appendix I – Not Applicable
Requirements Applicable to Net Zero Interconnection Service

Where this GIA provides for Net Zero Interconnection Service, Interconnection Customer acknowledges, agrees to, and will be required to operate under the following conditions:

- 1) The combined Real-Time Offers, including Energy and Operating Reserves, of the Generating Facility and the existing generating facility with which Interconnection Customer has an executed Energy Displacement Agreement must be less than or equal to the level of Interconnection Service provided to that existing generating facility. In the event that the sum of the simultaneous energy output of the Generating Facility and the existing generating facility exceeds such existing generating facility's then-current Interconnection Service limit, MISO reserves the right to curtail and/or disconnect the Generating Facility immediately.

In the event that the sum of the emergency and/or economic maximum offer limits of the Generating Facility and the existing generating facility exceeds existing generating facility's then-current Interconnection Service limit, MISO reserves the right to curtail and/or disconnect the Generating Facility immediately.

- 2) The total megawatt, megavar and megavolt ampere output at the Point of Interconnection resulting from the combined output of the Generating Facility and the existing generating facility with which Interconnection Customer has an executed Energy Displacement Agreement shall not at any time exceed the level of Interconnection Service provided to that existing generating facility.
- 3) The existing generating facility with which Interconnection Customer has an executed Energy Displacement Agreement is not relieved of any applicable requirements under the Resource Adequacy Requirements of the Tariff.
- 4) The Interconnection Customer shall submit to the Transmission Provider a report by the seventh Calendar Day of each month showing the prior month's output, by 15 minute increment, the combined real-time offers and cleared energy injection. The existing generating facility and the Interconnection Customer shall cooperate consistent with other provisions in the Tariff to the extent necessary to ensure accuracy of the report. Transmission Provider shall provide a template for this report.

Appendix I-1 (Completed Monitoring and Consent Agreement - Appendix 11)

Appendix I-2 (Completed Energy Displacement Agreement - Appendix 12)