

August 19, 2019

Kimberly D. Bose  
Secretary  
Federal Energy Regulatory Commission  
888 First Street, NE, Room 1A  
Washington, DC 20426

Re: *PJM Interconnection, L.L.C., Docket No. ER19-2635 -000*  
*Amendment to ISA, SA No. 896; Queue Nos. D05 and K21 (amend)*

Dear Secretary Bose:

Pursuant to section 205 of the Federal Power Act,<sup>1</sup> and part 35 of the Federal Energy Regulatory Commission's ("Commission") regulations,<sup>2</sup> PJM Interconnection, L.L.C. ("PJM") submits for filing an unexecuted amended Interconnection Service Agreement ("ISA") between PJM, Waymart Wind Farm LLC ("Waymart Wind"), and PPL Electric Utilities Corporation ("PPL," and with PJM and Waymart Wind, the "Parties") ("Amended Waymart Wind ISA"). The Amended Waymart Wind ISA modifies and updates certain information in an existing ISA between the Parties that was filed with and accepted by the Commission in Docket No. ER19-348-000 ("Prior Waymart Wind ISA").<sup>3</sup> The changes reflected in the Amended Waymart Wind ISA are effectuated by the attached Agreement

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<sup>1</sup> 16 U.S.C. § 824d.

<sup>2</sup> 18 C.F.R. part 35.

<sup>3</sup> *PJM Interconnection, L.L.C.*, Letter Order, Amended Interconnection Service Agreements, Docket No. ER19-348-000 (Jan. 1, 2019) ("Docket No. ER19-348 Order").

to Amend executed by the Parties. Both the Prior Waymart Wind ISA and the Amended Waymart Wind ISA are associated with PJM Queue Nos. D05 and K21.<sup>4</sup>

PJM is submitting the Amended Waymart Wind ISA for filing because the Commission's rules and regulations require any change to the provisions of a service agreement on file with the Commission be filed as a change in rates.<sup>5</sup> Some of the revisions do not conform to the form of ISA set forth in Attachment O of the PJM Open Access Transmission Tariff ("ISA Form"), and are explained below. PJM requests that the effective date for the Amended Waymart Wind ISA remain the same as the effective date for the Prior Waymart Wind ISA, July 13, 2004.

## **I. DESCRIPTION OF CHANGES AND NONCONFORMING LANGUAGE**

### ***A. Description of Changes from the Prior Waymart Wind ISA.***

The Prior Waymart Wind ISA and Amended Waymart Wind ISA are intended to facilitate the interconnection to the PJM transmission system of the Waymart Wind Farm located in Wayne County, Pennsylvania.<sup>6</sup> With this amendment, the Waymart Wind Farm will have a Maximum Facility Output of 64.5 MW.<sup>7</sup>

There are a number of changes to the Prior Waymart Wind ISA reflected in the Amended Waymart Wind ISA, most of which are related to the fact there is a second Interconnection Customer – Waymart Storage, LLC ("Waymart Storage," and collectively,

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<sup>4</sup> A copy of the Amended Waymart Wind ISA is included as Attachment A to this letter, with a marked, redlined version, showing the changes from the Prior Waymart Wind ISA, included as Attachment B. The Agreement to Amend is included for informational purposes as Attachment C.

<sup>5</sup> 18 C.F.R. § 35.1(c).

<sup>6</sup> Amended Waymart Wind ISA, Specifications sections 1.0(a)-(b); Prior Waymart Wind ISA, Specifications sections 1.0(a)-(b).

<sup>7</sup> Amended Waymart Wind ISA, Specifications section 1.0 (c). This is a reduction from 69.0 MW under the Prior Waymart ISA, specifications section 1.0(c).

with Waymart Wind, the “Waymart Parties”) – located behind the same Point of Interconnection, and reflect a slight decrease in the Maximum Facility Output of the Waymart Wind Farm. Section 12.1 and specifications section 1.0(c) have been revised to reflect this change in the Maximum Facility Output, with the description in equipment configuration in section 1.0(d) being revised to reflect a reduction in the number of wind turbines associated with the Customer Facility. Section 18.0 has been modified to reflect a change in the addresses and contact information for Waymart Wind and PPL.<sup>8</sup>

Schedule A, the Facility Location Site Plan, has been modified to reference Queue No. AD2-166. Schedule B, the Simplified One Line Diagram, was revised to reflect the current configuration and Interconnection Facilities associated with this ISA. Schedule D, the List of Metering Equipment has been modified to contain information describing the metering equipment to be owned by Waymart Wind and Waymart Storage. The last paragraph of Schedule D includes non-standard language stating that certain disputes related to settlement issues are to be resolved between the Waymart Parties. Schedule G has been revised to remove two sections (former sections 1.2 and 2) that are no longer necessary, and the remaining sections have been renumbered accordingly. Additional non-standard terms and conditions have been added to Schedule G related to the fact that there are two Interconnection Customers located behind the same Point of Interconnection. These non-standard provisions are discussed in more detail below. The execution page to the Amended Waymart Wind ISA has been revised to provide the execution date of the Agreement to Amend.

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<sup>8</sup> Amended Waymart Wind ISA, section 18.0; Prior Waymart Wind ISA, section 18.0.

The Amended Waymart Wind ISA is the same in all other respects as the Prior Waymart Wind ISA accepted in the Docket No. ER19-348 Order. The Agreement to Amend and the authorized signatures set forth in the Agreement to Amend serve as the Parties' acceptance of the revisions described above. The Commission has accepted other filings of unexecuted agreements that were amended using the agreement to amend process including the prior ISA,<sup>9</sup> and should do the same here.

***B. Nonconforming provisions***

Additionally, the last paragraph of Schedule D of the Amended Waymart Wind ISA includes non-standard terms and conditions stating:

Any discrepancies or data errors associated with any data submission for settlement purposes by or on behalf of Waymart Wind and/or Waymart Storage to Transmission Provider, any inaccurate payment(s) by Transmission Provider to Waymart Wind and/or Waymart Storage based on an erroneous data submission by Waymart Wind and/or Waymart Storage, to Transmission Provider, and any disputes between Waymart Wind and Waymart Storage associated with any discrepancy or error in meter data, shall be resolved solely between the Waymart Wind and Waymart Storage.

This language has been included because both of the Waymart Parties are behind the same Point of Interconnection and may individually be participating in the PJM markets. Consequently, Schedule D of the Amended Waymart Wind ISA provides that, for settlement purposes, each of the Waymart Parties individually will be responsible for submitting pro rata metering data for their own Customer Facilities, and that PJM shall pay each of the Waymart Parties based on such data. Because each of the Waymart Parties is responsible for submitting its own pro rata data, and PJM is relying solely on that data for

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<sup>9</sup> See Docket No. ER19-348 Order; *PJM Interconnection, L.L.C.*, Letter Order, Amendment to Service Agreement No. 4451, Docket No. ER19-559-000 (Jan. 29, 2019); *PJM Interconnection, L.L.C.*, Letter Order, Amendment to Service Agreement No. 4918, Docket No. ER19-248-000 (Dec. 12, 2018); *PJM Interconnection, L.L.C.*, Letter Order, Amended Interconnection Service Agreement, Docket No. ER18-1825-000 (July 31, 2018).

payments to each Interconnection Customer, it is reasonable and appropriate that any errors in payment by PJM to Waymart Parties based on inaccurately submitted data be resolved between the Waymart Parties. This language is also consistent with the nonconforming provision in section 3.5 of Schedule G of the Amended Waymart Wind ISA, which states that “all issues between Waymart Wind and Waymart Storage regarding invoices, disbursements, operations, maintenance, liability and all other matters related to their respective Customer Facilities or the Shared Facilities shall be resolved between Waymart Wind and Waymart Storage.” The Commission previously has accepted for filing agreements with similar non-standard metering language that recognize the unique nature of a particular interconnection,<sup>10</sup> and should do so here.

Schedule G of the Amended Waymart Wind ISA contains identical language setting forth non-standard terms and conditions to address that there are multiple Interconnection Customers and Customer Facilities located behind the same Point of Interconnection. Sections 3.1 and 3.2 recognize that the Waymart Parties have entered into separate ISAs, and they each need to utilize the Waymart Wind Customer Interconnection Facilities (“Shared Facilities”) to transmit energy to the Point of Interconnection. Section 3.3 requires the Waymart Parties to enter into an agreement allowing Waymart Storage to utilize the Shared Facilities (the “Shared Facilities Agreement”), and imposes requirements on the Waymart Parties in the event the Shared Facilities Agreement is terminated, and establishes Waymart Storage’s obligations in the event it can no longer use the Shared

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<sup>10</sup> See *PJM Interconnection, L.L.C.*, Letter Order, Interconnection Service Agreement and Construction Service Agreement, Docket No. ER19-85-000 (Nov. 20, 2018); *PJM Interconnection, L.L.C.*, Letter Order, Interconnection Service Agreement No. 4810, Docket No. ER18-159-000 (Dec. 7, 2017); *PJM Interconnection, L.L.C.*, Letter Order, Interconnection Service Agreement Nos. 3058, 3349, 4792, and 4793, Docket No. ER18-74-000 (Nov. 29, 2017).

Facilities. These provisions are necessary because they address the fact that Waymart Storage must use the Shared Facilities to transmit power to the Point of Interconnection, and its obligations in the event it cannot use the Shared Facilities for contractual or other reasons.

Section 3.4 contains language designating a single point of contact for the Waymart Parties for all required notices and communications to the Waymart Parties and any required notice and communications from any Waymart Party to PJM and PPL regarding any matter relating to the Waymart Agreements. This provision serves to facilitate communications between the Waymart Parties and PJM and PPL.

Section 3.5, similar to the last paragraph of Schedule D, provides that the Waymart Parties are to resolve all disputes regarding invoices, disbursements, operations, maintenance, liability, and all other matters related to their Customer Facilities or the Shared Facilities between themselves.

Section 3.6 establishes additional limitation of liability and indemnification provisions that require Waymart Storage to indemnify PJM and PPL from claims arising from Waymart Storage's acts or omissions under the Shared Facilities agreement. It also states that neither PJM nor PPL shall be liable for actions PJM or PPL takes pursuant to the Waymart Wind ISA that results in the cessation, interruption, or reduction of service, or any damages to Waymart Storage. All parties agreed to these nonconforming limitation of liability and indemnification provisions, and provisions are reasonable as they accommodate the use of the Shared Facilities and the Shared Facilities Agreement.

Section 3.7 states that the payment by one Waymart Party of any costs due by the Waymart Parties associated with the interconnection of the Customer Facility may, upon

the request of the paying Waymart Party, be used to satisfy the obligation of another Waymart Party with respect to costs due from that Waymart Party associated with the interconnection of its Customer Facility. This serves to facilitate the payment of costs by the Waymart Parties.<sup>11</sup>

The Commission should accept the non-standard provisions set forth in Schedule F of the Amended Waymart Wind ISA. The Commission has accepted similar non-standard terms and conditions in other instances where multiple ISAs were subject to a Shared Facilities Agreement, as well as nonconforming limitation of liability and indemnification provisions when necessary to reflect the unique circumstances of a particular interconnection.<sup>12</sup> Accepting these provisions will ensure consistency between the Amended Waymart Wind ISA and the Waymart Storage ISA.

## **II. WAIVER AND EFFECTIVE DATE**

PJM requests that the Commission grant any and all waivers of the Commission's rules and regulations necessary for acceptance of this filing and the enclosed Amended Waymart Wind ISA. PJM also requests a waiver of the Commission's sixty-day prior notice requirement to allow the effective date of the Amended Waymart Wind ISA to remain July 13, 2004. Waiver is appropriate as: (1) no changes have been made to the substantive terms of the agreement as originally accepted by the Commission in Docket No. ER19-348 Order, other than those described herein; and (2) no other customers will be

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<sup>11</sup> Similar provisions to those described above are contained in Schedules C and F of the Interconnection Service Agreement By and Among PJM Interconnection, L.L.C. And Waymart Storage, LLC And PPL Electric Utilities Corporation ("Waymart Storage ISA"), which was filed with, and is pending before, the Commission in Docket No. ER19-2431-000. *PJM Interconnection, L.L.C.*, Original ISA, SA No. 5246 and ICSA, SA No. 5247; Queue No. Z2-107, Docket No. ER19-2431-000 (July 22, 2019).

<sup>12</sup> See *supra* note 10.

adversely affected, as the Amended Waymart Wind ISA remains otherwise unchanged. The Commission has allowed waivers of its sixty-day notice period when, as here, the changes do not constitute a rate increase, and have been agreed to by the parties to the agreement.<sup>13</sup> It has also granted similar waivers for other filings involving agreements to amend.<sup>14</sup>

### III. DOCUMENTS ENCLOSED

In addition to this transmittal letter, PJM encloses the following:

1. Attachment A: Unexecuted Amended Waymart Wind ISA, Service Agreement No. 896 (Clean);
2. Attachment B: Unexecuted Amended Waymart Wind ISA, Service Agreement No. 896 (Marked); and
3. Attachment C: Executed Agreement to Amend.

### IV. CORRESPONDENCE AND COMMUNICATIONS

Correspondence and communications with respect to this filing should be sent to, and PJM requests the Secretary to include on the official service list, the following:<sup>15</sup>

Craig Glazer  
Vice President – Federal Government  
Policy  
PJM Interconnection, L.L.C.  
1200 G Street, NW, Suite 600  
Washington, DC 20005  
(202) 423-4743 (phone)  
(202) 393-7741(fax)  
[Craig.Glazer@pjm.com](mailto:Craig.Glazer@pjm.com)

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Washington, DC 20005  
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[berman@wrightlaw.com](mailto:berman@wrightlaw.com)

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<sup>13</sup> *ISO New England Inc.*, 116 FERC ¶ 61,308, at P 8 (2006); *see Cent. Hudson Gas & Elec. Corp.*, 60 FERC ¶ 61,106, at 61,338 (1992).

<sup>14</sup> *See supra* note 9.

<sup>15</sup> To the extent necessary, PJM requests waiver of Rule 203(b)(3) of the Commission's Rules of Practice and Procedure, 18 C.F.R. § 385.203(b)(3), to permit all of the persons listed to be placed on the official service list for this proceeding.



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2750 Monroe Boulevard  
Audubon, PA 19403  
(610) 666-4438 (phone)  
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[jeanine.watson@pjm.com](mailto:jeanine.watson@pjm.com)

## **V. SERVICE**

PJM has served a copy of this filing on Waymart Wind, PPL, and the relevant state regulatory commissions within the PJM Region.

Respectfully submitted,

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Vice President – Federal Government  
Policy  
PJM Interconnection, L.L.C.  
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**Counsel for  
PJM Interconnection, L.L.C.**

## **Attachment A**

### **Unexecuted Amended Waymart Wind ISA, Service Agreement No. 896 (Clean)**

**INTERCONNECTION SERVICE AGREEMENT**  
(PJM Queue# D05 & K21)

- 1.0 Parties. This Interconnection Service Agreement ("ISA"), dated as of April 28, 2004 including the Specifications, Schedules (A through G) and Appendices (1 and 2) attached hereto and incorporated herein, is entered into by and between PJM Interconnection, L.L.C., the Regional Transmission Organization for the PJM Region (hereinafter "Transmission Provider"), Waymart Wind Farm LLC ("Interconnection Customer") and PPL Electric Utilities Corporation ("Interconnected Transmission Owner"). All capitalized terms herein shall have the meanings set forth in the appended definitions of such terms as stated in Part I, or in Subparts E and F of Part IV, of the Tariff. This ISA supersedes the Interconnection Service Agreement, dated June 26, 2003 among Transmission Provider, Interconnected Transmission Owner and Interconnection Customer designated as Original Service Agreement 896 1st Revision and filed with the Federal Energy Regulatory Commission in Docket No. ER03-1125.
- 2.0 Authority. This ISA is entered into pursuant to Part IV of the Tariff. Interconnection Customer has requested an Interconnection Service Agreement under the PJM Open Access Transmission Tariff ("Tariff"), and Transmission Provider has determined that Interconnection Customer is eligible under the Tariff to obtain this ISA. The standard terms and conditions for interconnection as set forth in Subpart E of Part IV of the Tariff as of the date of this ISA are attached as Appendix 2 to this ISA and are hereby specifically incorporated as provisions of this ISA. Transmission Provider, Interconnected Transmission Owner and Interconnection Customer agree to and assume all of the rights and obligations of the Transmission Provider, Interconnected Transmission Owner and Interconnection Customer, respectively, as set forth in the appended provisions of Subpart E.
- 3.0 Facility Specifications. Attached are Specifications for each generating unit that Interconnection Customer proposes to interconnect with the Transmission System. Interconnection Customer represents and warrants that, upon completion of construction of such unit(s), it will own or control the Facility identified in section 1.0 of the Specifications attached hereto and made a part hereof. In the event that Interconnection Customer will not own the Facility, Interconnection Customer represents and warrants that it is authorized by the owner(s) thereof to enter into this ISA and to represent such control.
- 4.0 Effective Date. This ISA shall become effective on the date it is executed by the Transmission Provider and shall terminate on such date as mutually agreed upon by the parties, unless earlier terminated in accordance with the appended terms of Subpart E. Interconnection Service shall commence as provided in Section 51.2 of the appended Subpart E.
- 5.0 Security. In accord with Section 36.8.4(b) of the Tariff, and this Section of this ISA, Interconnection Customer, on or before the effective date of this ISA, shall provide the

Transmission Provider with a letter of credit from an agreed provider or other form of security reasonably acceptable to the Transmission Provider ("Security") in the amount of \$ 0 (Zero Dollars) for the benefit of the Transmission Provider, and Interconnected Transmission Owner. Should Interconnection Customer fail to provide Security in the amount or form required in the first sentence of this section, this ISA shall be terminated. Interconnection Customer acknowledges that its ultimate cost responsibility in accordance with Section 37 of the Tariff will be based upon the actual Costs of the facilities described in the Specifications, whether greater or lesser than the amount of the payment security provided under this section. The Parties acknowledge and agree that the requirements of this Section 5.0 do not apply to Interconnection Customer in this ISA.

6.0 Project Specific Milestones. In addition to the milestones stated in Section 36.8.5 of the Tariff, during the term of this ISA, Interconnection Customer shall ensure that its generation project meets each of the following development milestones:

- 6.1 Substantial Site work completed. On or before November 1, 2003, Interconnection Customer must demonstrate completion of at least 20% of project site construction workscope.
- 6.2 Delivery of major electrical equipment. On or before December 1, 2003, Interconnection Customer must demonstrate that all wind turbines have been delivered to Interconnection Customer's project site.
- 6.3 Commercial Operation. On or before March 1, 2004, Interconnection Customer must demonstrate commercial operation of 80% of all generating units. Commercial operation includes the sale of energy in the PJM market.
- 6.4 By July 1, 2004, Interconnection Customer must provide certified documentation demonstrating that "as-built" customer Facility and Interconnection Customer Interconnection Facilities are in accordance with applicable PJM studies and agreements. Interconnection Customer must also provide PJM with "as-built" electrical modeling data or confirm that previously submitted data remains valid.

Interconnection Customer shall demonstrate the occurrence of each of the foregoing milestones to Transmission Provider's reasonable satisfaction. Transmission Provider may reasonably extend any such milestone dates, in the event of delays that Interconnection Customer (i) did not cause and (ii) could not have remedied through the exercise of due diligence.

7.0 Provision of Interconnection Service. Transmission Provider and Interconnected Transmission Owner agree to provide for the interconnection to the Transmission System in the PJM Control Area of Interconnection Customer's Facility identified in the Specifications in accordance with Part IV of the Tariff, the Operating Agreement of PJM Interconnection, L.L.C. ("Operating Agreement"), and this ISA, as they may be amended from time to time.

8.0 Assumption of Tariff Obligations. Interconnection Customer agrees to abide by all rules and procedures pertaining to generation in the PJM Control Area, including but not limited to the rules and procedures concerning the dispatch of generation set forth in the Operating

Agreement and the PJM Manuals.

9.0 Facilities Study. In analyzing and preparing the Facilities Study, and in designing and constructing the Attachment Facilities, Local Upgrades and/or Network Upgrades described in the Specifications attached to this ISA, Transmission Provider, the Interconnected Transmission Owner(s), and any other subcontractors employed by Transmission Provider have had to, and shall have to, rely on information provided by Interconnection Customer and possibly by third parties and may not have control over the accuracy of such information. Accordingly, NEITHER TRANSMISSION PROVIDER, THE INTERCONNECTED TRANSMISSION OWNER(S), NOR ANY SUBCONTRACTORS EMPLOYED BY EITHER TRANSMISSION PROVIDER OR INTERCONNECTED TRANSMISSION OWNERS MAKES ANY WARRANTIES, EXPRESS OR IMPLIED, WHETHER ARISING BY OPERATION OF LAW, COURSE OF PERFORMANCE OR DEALING, CUSTOM, USAGE IN THE TRADE OR PROFESSION, OR OTHERWISE, INCLUDING WITHOUT LIMITATION IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, WITH REGARD TO THE ACCURACY, CONTENT, OR CONCLUSIONS OF THE FACILITIES STUDY OR OF THE ATTACHMENT FACILITIES, THE LOCAL UPGRADES AND/OR THE NETWORK UPGRADES, PROVIDED, HOWEVER, that Transmission Provider warrants that the TO Interconnection Facilities described in section 3.0 of the Specifications will be designed, constructed (to the extent that an Interconnected Transmission Owner is responsible for construction thereof) and operated in accordance with Good Utility Practice, as such term is defined in the Operating Agreement. Interconnection Customer acknowledges that it has not relied on any representations or warranties not specifically set forth herein and that no such representations or warranties have formed the basis of its bargain hereunder.

#### 10.0 Construction of TO Interconnection Facilities

10.1. Cost Responsibility. Interconnection Customer shall be responsible for and shall pay upon demand all Costs associated with the interconnection of the Facility as specified in the Tariff. These Costs may include, but are not limited to, an Attachment Facilities charge, a Local Upgrades charge, a Network Upgrades charge and other charges. A description of the facilities required and an estimate of the Costs of these facilities are included in Sections 3.0 and 4.0 of the Specifications to this ISA.

10.2. Billing and Payments. The Transmission Provider shall bill the Interconnection Customer for the Costs associated with the facilities contemplated by this ISA, and the Interconnection Customer shall pay such Costs, in accordance with the terms of Subpart E of Part IV of the Tariff. Upon receipt of each of Interconnection Customer's payments of such bills, Transmission Provider shall reimburse the applicable Interconnected Transmission Owner.

#### 11.0 Interconnection Specifications

- 11.1 Point of Interconnection. The Point of Interconnection shall be as identified on the one-line diagram attached as Schedule B to this ISA.
- 11.2 List and Ownership of Interconnection Facilities. The Interconnection Facilities to be constructed and ownership of the components thereof are identified in Section 3.0 of the Specifications attached to this ISA. The Generator Interconnection Facilities and the TO Interconnection Facilities are identified on the attached Schedule C to this ISA.
- 11.3 Ownership and Location of Metering Equipment. The Metering Equipment to be constructed, and the ownership thereof, are identified on the attached Schedule D to this ISA.
- 11.4 Applicable Technical Standards. The Applicable Technical Requirements and Standards that apply to the Facility and the Interconnection Customer Interconnection Facilities are attached as Schedule E to this ISA.
- 12.0 Operational Requirements.
  - 12.1 The Maximum Facility Output is 64.5 MW.
- 13.0 Charges. In accordance with Articles 60 and 61 of the appended Subpart E, the Interconnection Customer shall pay to the Transmission Provider the charges set forth in the Schedule of Charges attached as Schedule F to this ISA. Promptly after receipt of such payments, the Transmission Provider shall forward such payments to the appropriate Interconnected Transmission Owner.
- 14.0 Third Party Beneficiaries. No third party beneficiary rights are created under this ISA, except, however, that, subject to modification of the payment terms stated in Section 10 of this ISA pursuant to the Negotiated Contract Option, payment obligations imposed on Interconnection Customer under this ISA are agreed and acknowledged to be for the benefit of the Interconnected Transmission Owner(s). Interconnection Customer expressly agrees that the Interconnected Transmission Owner(s) shall be entitled to take such legal recourse as it deems appropriate against Interconnection Customer for the payment of any Costs or charges authorized under this ISA or the Tariff for which Interconnection Customer fails, in whole or in part, to pay as provided in this ISA, the Tariff and/or the Operating Agreement.
- 15.0 Waiver. No waiver by either party of one or more defaults by the other in performance of any of the provisions of this ISA shall operate or be construed as a waiver of any other or further default or defaults, whether of a like or different character.
- 16.0 Amendment. This ISA or any part thereof, may not be amended, modified, assigned, or waived other than by a writing signed by all parties hereto.
- 17.0 Construction With Other Parts Of The Tariff. This ISA shall not be construed as an

application for service under Part II or Part III of the Tariff.

- 18.0 Notices. Any notice or request made by either party regarding this ISA shall be made, in accordance with the terms of the appended Subparts E and F, to the representatives of the other party and as applicable, to the Interconnected Transmission Owner(s), as indicated below:

Transmission Provider:

PJM Interconnection, L.L.C.  
2750 Monroe Blvd.  
Audubon, PA 19403

Interconnection Customer:

Waymart Wind Farm LLC  
c/o GlidePath Power Operations LLC  
132 N. York Street  
Suite 3L  
Elmhurst, IL 60126

Copy to:

Clean Law PC  
301 W. Grand Ave, Ste 133  
Chicago, IL 60654  
Attn: John Young

Interconnected Transmission Owner:

PPL Electric Utilities Corporation (PPL EU)  
2 North Ninth Street  
Allentown, PA 18101-1179  
Attn: BES Interconnection Affairs Supervisor

- 19.0 Incorporation Of Other Documents. All portions of the Tariff and the Operating Agreement pertinent to the subject matter of this ISA and not otherwise made a part hereof are hereby incorporated herein and made a part hereof.
- 20.0 Addendum of Non-Standard Terms and Conditions for Interconnection Service. Subject to FERC approval, the parties agree that the terms and conditions set forth in Schedule G hereto are hereby incorporated herein by reference and be made a part of this ISA. In the event of any conflict between a provision of Schedule G that FERC has accepted and any provision of the appended Subpart E that relates to the same subject matter, the pertinent provision of Schedule G shall control.

IN WITNESS WHEREOF, Transmission Provider, Interconnection Customer and Interconnected Transmission Owner have caused this ISA to be executed by their respective authorized officials.

Transmission Provider: **PJM Interconnection, L.L.C.**

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By: See Agreement to Amend executed by the parties effective July 18, 2019  
Name Title Date

Interconnection Customer: **Waymart Wind Farm LLC**

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By: See Agreement to Amend executed by the parties effective July 18, 2019  
Name Title Date

Interconnected Transmission Owner: **PPL Electric Utilities Corporation**

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By: See Agreement to Amend executed by the parties effective July 18, 2019  
Name Title Date



# **SPECIFICATIONS FOR INTERCONNECTION SERVICE AGREEMENT**

**Between**  
**PJM INTERCONNECTION, L.L.C.**  
**And**  
**Waymart Wind Farm LLC**  
**And**  
**PPL Electric Utilities Corporation**  
(PJM Queue# D05 & K21)

**1.0 Description of generating units (the Facility) to be interconnected with the Transmission System in the PJM Control Area:**

**a. Name of Facility:**

Waymart Wind Farm  
(a/k/a PJM Queue# D05&K21)

**b. Location of Facility:**

Clinton and Canaan Townships, Wayne County, Pennsylvania

**c. Size in megawatts of Facility:**

Net maximum summer energy output of 64.5 MW

Net maximum winter energy output of 64.5 MW

**d. Description of the equipment configuration:**

Forty-three (43) 1.5 MW wind turbine generators

**2.0 Capacity Interconnection Rights:**

Pursuant to the PJM Tariff, Interconnection Customer shall have Capacity Interconnection Rights at the location specified in section 1.0b above in the amount of 13 (thirteen) MW.

The generating unit(s) described in section 1.0 shall be an Energy Resource. Pursuant to this ISA, the generating unit will be permitted to inject 69 MW (nominal) into the system, except for the temporary period when the generating units are connected only to the East Carbondale-Peckville circuit, the generating units will be limited to injecting 45 MW into the 69kV system. PJM reserves the right to limit units to these values in the event reliability would be affected by output greater than these values.

**3.0 Construction Responsibility for TO Interconnection Facilities**

- a. Interconnection Customer. In the event that, in accordance with Section 83.2.3 of Subpart F of the Tariff, Interconnection Customer has exercised the Option to Build, it is hereby permitted to build in accordance with and subject to the conditions and limitations set forth in that Section, the following portions of the TO Interconnection Facilities:

**Because Interconnection Customer has not exercised the option to build, no conditions or limitations have been established.**

- b. Interconnected Transmission Owner

- ☐ **Direct Connection Work-Transmission:** This work includes siting, acquisition of any additional R/W, design/reconstruction of approximately 1.6 miles of a portion of the existing East Carbondale Tap of the Lackawanna Peckville #1 69kv circuit from single circuit 69kv operation to double circuit 69kv operation. PPL Electric Utilities will connect the new 556 ACSR circuit of this double circuit line to the Lackawanna-East Carbondale 69kv line. The other end of this circuit will be connected to the Waymart Wind Farm interconnection substation located in the vicinity of structure 61999N51649.
- ☐ **Direct Connection Work- Substation:** This work includes installation of the radio communication equipment and the installation of synchrocheck facilities. Specifically, the following changes will be required:
  1. Provide Direct Transfer Trip (DTT) facilities between Waymart and PPL Electric Utilities's Lackawanna substation. This equipment will provide the primary trip from PPL Electric Utilities to Waymart, and a blocking signal for PPL reclosing should Waymart not isolate from the PPL Electric Utilities system when the PPL circuit breaker supplying the Waymart generation opens.
  2. Modify the control circuits of the East Carbondale, Peckville #1 and Bus Tie CBs at Lackawanna 230/69 kV substation. The East Carbondale circuit will be the normal source. The Peckville #1 or the Bus Tie CB will serve as alternate supply breakers. Provisions will be provided to transfer the DTT signals between the East Carbondale, Peckville #1 and the Bus Tie breakers depending on which line is serving Waymart.
  3. Installation of the necessary metering equipment at the Waymart point of interconnection location.

- 4.0 Subject to modification pursuant to the Negotiated Contract Option and/or the Option to Build under Section 83.2 of Subpart F of Part N of the Tariff, Interconnection Customer shall be subject to the charges detailed below. The charges detailed below are the best estimates of costs available when these specifications were prepared; the charges and underlying costs are subject to change. The Interconnection Customer must compensate the Transmission Provider and Transmission Owner in full for all costs actually incurred

on the project.

4.1 Attachment Facilities Charge:\$ **1,523,610**

PPL Electric Utilities Corporation will install the following at Interconnection Customer's expense:

\$ **1,264,700** Construction of the 1.6 mile 69kV line from the connection with the East Carbondale-Lackawanna line to the inteconnection with the developer's 69kv line in the vicinity of structure 61999N51649.

\$ **208,910** Modifications at Lackawanna 69kV Substation, including a means of remote trip of the generating plant.

\$ **50,000** Construct temporary attachment to the PPL EU East Carbondale Peckville 69kV circuit at the point where the Waymart Wind Farm new circuit meets the PPL EU 69kV right-of-way.

Attachment Facilities Charge-Deposits already received = Security Required

**\$1,523,610 - \$1,523,610\* = \$0**

\*(Includes \$336,000 for material purchases in accordance with the Advance Material Purchase Agreement between PPL EU and Interconnection Customer dated February 12, 2003)

4.2 Network Upgrades Charge: N/A

4.3 Local Upgrades Charge: N/A

4.4 Other Charges: None'

4.5 Cost breakdown:

\$ 436,400	Material Direct
\$ 740,700	Labor Direct
\$ 318,000	Labor Indirect
\$ 28,510	PA Sales Tax

4.6 Guaranty Amount Required: N/A

4.7 Guaranty Reduction Schedule: N/A

## **Appendices and Schedules**

### **APPENDICES:**

- ☐ **APPENDIX 1 - DEFINITIONS**
- ☐ **APPENDIX 2 - SUBPART E TERMS AND CONDITIONS**

### **SCHEDULES:**

- ☐ **SCHEDULE A - FACILITY LOCATION/SITE PLAN**
- ☐ **SCHEDULE B - SINGLE-LINE DIAGRAM**
- ☐ **SCHEDULE C - LIST OF FACILITIES**
- ☐ **SCHEDULE D - LIST OF METERING EQUIPMENT**
- ☐ **SCHEDULE E - APPLICABLE TECHNICAL REQUIREMENTS AND STANDARDS**
- ☐ **SCHEDULE F - SCHEDULE OF CHARGES**
- ☐ **SCHEDULE G - SCHEDULE OF NON-STANDARD TERMS & CONDITIONS**

## APPENDIX I

### DEFINITIONS

<b>Tariff Section</b>	<b>Definition</b>
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- |             |  |
|-------------|--|
| <b>50.1</b> | “Abnormal Condition” shall mean any condition on the Interconnection Facilities which, determined in accordance with Good Utility Practice, is: (i) outside normal operating parameters such that facilities are operating outside their normal ratings or that reasonable operating limits have been exceeded; and (ii) could reasonably be expected to materially and adversely affect the safe and reliable operation of the Interconnection Facilities; but which, in any case, could reasonably be expected to result in an Emergency Condition. 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, standing alone, constitute an Abnormal Condition. |
| <b>50.2</b> | “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.  |
| <b>1.1</b>  | <b>Ancillary Services:</b> Those services that are necessary to support the transmission of capacity and energy from resources to loads while maintaining reliable operation of the Transmission Provider’s Transmission System in accordance with Good Utility Practice.  |
| <b>50.3</b> | “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 relevant parties, their respective facilities, and/or the respective services they provide.  |
| <b>50.4</b> | “Applicable Reliability Council” shall mean (MAAC) in the case of the PJM Control Area and ECAR with respect to PJM West Region.   |
| <b>50.5</b> | “Applicable Standards” shall mean the requirements and guidelines of NERC, the Applicable Reliability Council and the Control Area in which the Customer Facility is electrically located, the PJM Manuals and Applicable Technical Requirements and Standards.  |
| <b>50.6</b> | “Applicable Technical Requirements and Standards” shall mean those certain technical requirements and standards applicable to interconnections of generation and/or transmission facilities with the facilities of an Interconnected Transmission Owner, as published by Transmission Provider in a PJM Manual. Such Applicable Technical Requirements and Standards shall be publicly available through postings on Transmission Provider’s internet website.   |

- 1.3A Attachment Facilities:** The facilities necessary to physically connect a Customer Facility to the Transmission System or interconnected distribution facilities.
- 50.7** “Breach” shall mean the failure of a party to perform or observe any material term or condition of the applicable Subpart of Part IV of the Tariff or an agreement entered into thereunder as described in the relevant provisions of Subpart E or Subpart F.
- 50.8** “Breaching Party” shall mean an Interconnected Entity or a Construction Party that is in Breach of the applicable Subpart and/or an agreement entered into thereunder.
- 50.9** “Cancellation Costs” shall mean the Costs and liabilities incurred in connection with: (a) cancellation of supplier and contractor written orders and agreements entered into to design, construct and install the Transmission Owner Interconnection Facilities and/or Merchant Network Upgrades; and/or (b) completion of some or all of the Transmission Owner Interconnection Facilities and/or Merchant Network Upgrades, or specific unfinished portions and/or removal of any or all of such facilities which have been installed, to the extent required for the Transmission Provider and/or Interconnected Transmission Owner to perform their respective obligations under Part IV of the Tariff.
- 1.3C Capacity Interconnection Rights:** The rights to input generation as a Capacity Resource or Available Capacity Resource into the Transmission System at the bus where the generating facilities connect to the Transmission System.
- 1.3E Capacity Transmission Injection Rights:** The rights to schedule energy and capacity deliveries at a Point of Interconnection (as defined in Section 50.44) of a Merchant Transmission Facility with the Transmission System. Capacity Transmission Injection Rights may be awarded only to a Merchant D.C. Transmission Facility that connects the Transmission System to another control area. Deliveries scheduled using Capacity Transmission Injection Rights have rights similar to those under Firm Point-to-Point Transmission Service or, if coupled with a generating unit external to the combined PJM Control Area and PJM West Region that satisfies all applicable criteria specified in the PJM Manuals, similar to Capacity Interconnection Rights.
- 50.10** “Commencement Date” shall mean the date on which Interconnection Service commences in accordance with Section 51.2 of Subpart E.
- 1.4 Commission:** The Federal Energy Regulatory Commission.
- 50.11** “Confidential Information” shall mean any confidential, proprietary, or trade secret information of a plan, specification, pattern, procedure, design, device, list, concept, policy, or compilation relating to the present or planned business of an Interconnection Party or Construction Party, which is designated as confidential by the party supplying the information, whether conveyed verbally, electronically, in writing, through inspection, or otherwise, and shall include, without limitation, all information relating to the producing party’s technology, research and development, business affairs and pricing, and any information supplied by any Interconnection Party or Construction Party to another such

party prior to the execution of an Interconnection Service Agreement or a Construction Service Agreement.

- 50.12** “Constructing Entity” shall mean either the Interconnected Transmission Owner or the Interconnection Customer, depending on which entity has the construction responsibility pursuant to Subpart F, and shall also be used to refer to an Interconnection Customer with respect to the construction of the Customer Interconnection Facilities.
- 50.13** “Construction Party” shall mean the Interconnection Customer, the Interconnected Transmission Owner, or Transmission Provider. “Construction Parties” shall mean all of them.
- 50.14** “Construction Service Agreement” shall mean that agreement entered into by Interconnection Customer, Interconnected Transmission Owner and Transmission Provider, applicable to the Customer Facility and implementing the terms and conditions of Subpart F of Part IV of the Tariff.
- 50.15** “Costs” shall mean costs and expenses, including, but not limited to, capital expenditures, if applicable, and overhead, return, and the costs of financing and taxes and any Incidental Expenses as defined below. Costs are calculated on a time and materials basis, including overhead.
- 1.7A Customer Facility:** Generation facilities or Merchant Transmission Facilities interconnected with or added to the Transmission System pursuant to an Interconnection Request under Subparts A or B of Part IV of the Tariff.
- 50.15A** “Customer Interconnection Facilities” shall mean all facilities and equipment owned and/or controlled, operated and maintained by Interconnection Customer on Interconnection Customer’s side of the Point of Interconnection identified in the appropriate appendices to the Interconnection Service Agreement and to the Construction Service Agreement, including any modifications, additions, or upgrades made to such facilities and equipment, that are necessary to physically and electrically interconnect the Customer Facility with the Transmission System.
- 50.16** “Default” shall mean the failure of a Breaching Party to cure its Breach in accordance with the applicable provisions of Subpart E or Subpart F.
- 50.17** “ECAR” shall mean East Central Area Reliability Council Agreement, a regional reliability council of NERC, or its successor.
- 50.18** “Emergency Condition” shall mean a condition or situation (i) that in the judgment of any Interconnection Party is imminently likely to endanger life or property; or (ii) that in the judgment of the Interconnected Transmission Owner or Transmission Provider 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, the Interconnection Facilities, or the transmission systems or distribution systems to which the



Transmission System is directly or indirectly connected; or (iii) that in the judgment of Interconnection Customer is imminently likely (as determined in a non-discriminatory manner) to cause damage to the Customer Facility or to the Customer Interconnection Facilities. System restoration and black start shall be considered Emergency Conditions, provided that a Generation Interconnection Customer is not obligated by Subpart E of Part IV of the Tariff to possess black start 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 or more of the enumerated conditions or situations identified in this definition also exists.

**1.11A Energy Resource:** A generating facility that is not a Capacity Resource or Available Capacity Resource.

**1.11B Energy Transmission Injection Rights:** The rights to schedule energy deliveries at a specified point on the Transmission System. Energy Transmission Injection Rights may be awarded only to a Merchant D.C. Transmission Facility that connects the Transmission System to another control area. Deliveries scheduled using Energy Transmission Injection Rights have rights similar to those under Non-Firm Point-to-Point Transmission Service.

**50.19** “Environmental Laws” shall mean Applicable Laws or Regulations relating to pollution or protection of the environment, natural resources or human health and safety.

**50.20** “Facilities Study” shall mean that certain Generation Interconnection Facilities Study or Transmission Interconnection Facilities Study conducted by Transmission Provider (or at its direction) to determine the design and specification of the Interconnection Facilities necessary to accommodate the interconnection of the Customer Facility with the Transmission System in accordance with Section 36.6 or Section 41.5 of the Tariff, as applicable.

**50.21 [Reserved]**

**50.22** “Federal Power Act” shall mean the Federal Power Act, as amended, 16 U.S.C. §§ 79a, et seq.

**50.23** “FERC” shall mean the Federal Energy Regulatory Commission or its successor.

**1.13A Firm Transmission Withdrawal Rights:** The rights to schedule energy and capacity withdrawals from a Point of Interconnection (as defined in Section 50.44) of a Merchant Transmission Facility with the Transmission System. Firm Transmission Withdrawal Rights may be awarded only to a Merchant D.C. Transmission Facility that connects the Transmission System with another control area. Withdrawals scheduled using Firm Transmission Withdrawal Rights have rights similar to those under Firm Point-to-Point Transmission Service.

**50.24** “Force Majeure” shall mean any cause beyond the control of the affected Interconnection

Party or Construction Party, including but not restricted to, acts of God, flood, drought, earthquake, storm, fire, lightning, epidemic, war, riot, civil disturbance or disobedience, labor dispute, labor or material shortage, sabotage, acts of public enemy, explosions, orders, regulations or restrictions imposed by governmental, military, or lawfully established civilian authorities, which, in any of the foregoing cases, by exercise of due diligence such party could not reasonably have been expected to avoid, and which, by the exercise of due diligence, it has been unable to overcome. Force Majeure does not include (i) a failure of performance that is due to an affected party's own negligence or intentional wrongdoing; (ii) any removable or remediable causes (other than settlement of a strike or labor dispute) which an affected party fails to remove or remedy within a reasonable time; or (iii) economic hardship of an affected party.

## **50.25 [Reserved]**

**1.13B Generation Interconnection Customer:** An entity that submits an Interconnection Request to interconnect a new generation facility or to increase the capacity of an existing generation facility interconnected with the Transmission System in the PJM Control Area or PJM West Region.

**1.13C Generation Interconnection Facilities Study:** A Facilities Study related to a Generation Interconnection Request.

**1.13D Generation Interconnection Feasibility Study:** A study conducted by the Transmission Provider (in coordination with the affected Transmission Owner(s)) in accordance with Section 36.2 of this Tariff.

**1.13E Generation Interconnection Request:** A request by a Generation Interconnection Customer pursuant to Subpart A of Part IV of the Tariff to interconnect a generating unit with the Transmission System or to increase the capacity of a generating unit interconnected with the Transmission System in the PJM Control Area or PJM West Region.

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

**50.26 "Governmental Authority"** means any federal, state, local or other governmental, regulatory or administrative agency, court, commission, department, board, or other governmental subdivision, legislature, rulemaking board, tribunal, arbitrating body, or other governmental authority having jurisdiction over any Interconnection Party or Construction Party or regarding any matter relating to Subpart E or Subpart F, as

applicable.

- 50.27** “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.
- 50.28** “Incidental Expenses” shall mean those expenses incidental to the performance of construction pursuant to Subpart F, including, but not limited to, the expense of temporary construction power, telecommunications charges, Interconnected Transmission Owner expenses associated with, but not limited to, document preparation, design review, installation, monitoring, and construction related operations and maintenance for the Customer Facility and for the Interconnection Facilities.
- 1.14B Incremental Auction Revenue Rights:** The additional Auction Revenue Rights (as defined in Section 1.3.1 of Attachment K to the Tariff), not previously feasible, created by the addition of Merchant Transmission Facilities, or a new transmission facility or upgrade resulting from the accommodation of an Interconnection Request pursuant to Part IV of the Tariff.
- 1.14C Incremental Available Transfer Capability Revenue Rights:** The rights to revenues that are derived from incremental Available Transfer Capability created by the addition of a Merchant Transmission Facility or a new transmission facility or upgrade resulting from the accommodation of an Interconnection Request(s) pursuant to Part IV of the Tariff.
- 1.14D Incremental Deliverability Rights (IDRs):** The rights to the incremental ability, resulting from the addition of a Merchant Transmission Facility, to inject energy and capacity at a point on the Transmission System, such that the injection satisfies the deliverability requirements of a Capacity Resource. Incremental Deliverability Rights may be obtained by a generator or a Generation Interconnection Customer, pursuant to an IDR Transfer Agreement, to satisfy, in part, the deliverability requirements necessary to obtain Capacity Interconnection Rights.
- 50.29** “Initial Operation” shall mean the commencement of operation of the Customer Facility and Customer Interconnection Facilities after satisfaction of the conditions of Section 51.4.
- 50.30** “Interconnected Entity” shall mean either the Interconnection Customer or the Interconnected Transmission Owner; “Interconnected Entities” shall mean both of them.
- 50.31** “Interconnected Transmission Owner” shall mean the Transmission Owner to whose transmission facilities the Customer Interconnection Facilities are, or as the case may be, the Customer Facility is, being directly connected. As used in Subpart F, the term also

includes a Transmission Owner whose facilities must be upgraded pursuant to the Facilities Study, but whose facilities are not directly interconnected with those of the Interconnection Customer.

**50.32 [Reserved]**

**1.14E Interconnection Customer:** A Generation Interconnection Customer and/or a Transmission Interconnection Customer.

**50.33** “Interconnection Facilities” shall mean the Transmission Owner Interconnection Facilities and the Customer Interconnection Facilities.

**50.34** “Interconnection Party” shall mean Transmission Provider, Interconnection Customer, or the Interconnected Transmission Owner. “Interconnection Parties” shall mean all of them.

**50.35 [Reserved]**

**1.14H Interconnection Request:** A Generation Interconnection Request, a Transmission Interconnection Request and/or an IDR Transfer Agreement.

**50.36** “Interconnection Service” shall mean the physical and electrical interconnection of the Customer Facility with the Transmission System pursuant to the terms of Part IV of the Tariff and the Interconnection Service Agreement entered into pursuant thereto by Interconnection Customer, the Interconnected Transmission Owner and Transmission Provider.

**50.37** “List of Approved Contractors” shall mean a list developed by each Transmission Owner and published in a PJM Manual of (a) contractors that the Transmission Owner considers to be qualified to install or construct new facilities and/or upgrades or modifications to existing facilities on the Transmission Owner’s system, provided that such contractors may include, but need not be limited to, contractors that, in addition to providing construction services, also provide design and/or other construction-related services, and (b) manufacturers or vendors of major transmission-related equipment (e.g., high-voltage transformers, transmission line, circuit breakers) whose products the Transmission Owner considers acceptable for installation and use on its system.

**1.17A Local Upgrades:** Modifications or additions of facilities to abate any local thermal loading, voltage, short circuit, stability or similar engineering problem caused by the interconnection and delivery of generation to the Transmission System.

**50.38** “MAAC” shall mean the Mid Atlantic Area Council, a regional reliability council of NERC, or its successor.

**50.39** “Maximum Facility Output” shall mean the maximum net electrical power output in megawatts, specified in the Interconnection Service Agreement, after supply of any parasitic or host facility loads, that the Customer Facility is expected to produce.

**1.18B Merchant A.C. Transmission Facilities:** Merchant Transmission Facilities that are alternating current (A.C.) transmission facilities.

**1.18C Merchant D.C. Transmission Facilities:** Merchant Transmission Facilities that are direct current (D.C.) transmission facilities.

**1.18D Merchant Network Upgrades:** Merchant A.C. Transmission Facilities that are additions to, or modifications or replacements of, physical facilities of the Interconnected Transmission Owner (as defined in Section 50.31 below) that, on the date of the pertinent Transmission Interconnection Customer's Interconnection Request, are part of the Transmission System or are included in the Regional Transmission Expansion Plan.

**1.18E Merchant Transmission Facilities:** A.C. or D.C. transmission facilities that are interconnected with or added to the Transmission System pursuant to Subpart B of Part IV of the Tariff and that are so identified on Attachment T to the Tariff, provided, however, that Merchant Transmission Facilities shall not include (i) any Customer Interconnection Facilities (as defined in Section 50.15A), (ii) any physical facilities of the Transmission System that are in existence on the date this provision is filed with the Commission; (iii) any expansions or enhancements of the Transmission System that are not identified as Merchant Transmission Facilities in the Regional Transmission Expansion Plan and Attachment T to the Tariff, or (iv) any transmission facilities that are included in the rate base of a public utility and on which a regulated return is earned.

**50.40** "Metering Equipment" shall mean all metering equipment installed at the metering points designated in the appropriate appendix to an Interconnection Service Agreement.

**50.41** "NERC" shall mean the North American Electric Reliability Council, or its successor agency assuming or charged with similar responsibilities related to the operation and reliability of the North American interconnected electric transmission grid.

**1.26 Network Upgrades:** Modifications or additions to transmission-related facilities that are integrated with and support the Transmission Provider's overall Transmission System for the general benefit of all users of such Transmission System.

**50.42** "Nominal Rated Capability" shall mean the nominal maximum rated capability in megawatts of a Transmission Interconnection Customer's Customer Facility or the nominal increase in transmission capability in megawatts of the Transmission System resulting from the interconnection or addition of a Transmission Interconnection Customer's Customer Facility, as determined in accordance with pertinent Applicable Standards and specified in the Interconnection Service Agreement.

**1.27A Non-Firm Transmission Withdrawal Rights:** The rights to schedule energy withdrawals from a specified point on the Transmission System. Non-Firm Transmission Withdrawal Rights may be awarded only to a Merchant D.C. Transmission Facility that connects the Transmission System to another control area. Withdrawals scheduled using

Non-Firm Transmission Withdrawal Rights have rights similar to those under Non-Firm Point-to-Point Transmission Service.

**1.28A Operating Agreement of the PJM Interconnection, L.L.C. or Operating Agreement:**

That agreement dated as of April 1, 1997 and as amended and restated as of June 2, 1997 and as amended from time to time thereafter, among the members of the PJM Interconnection, L.L.C.

**50.43** “Option to Build” shall mean the option of the Interconnection Customer to build certain Transmission Owner Interconnection Facilities and/or Merchant Network Upgrades, as set forth in, and subject to the terms of, Section 83.2.3 of Subpart F.

**1.29 Part I:** Tariff Definitions and Common Service Provisions contained in Sections 2 through 12.

**1.30 Part II:** Tariff Sections 13 through 27 pertaining to Point-To-Point Transmission Service in conjunction with the applicable Common Service Provisions of Part I and appropriate Schedules and Attachments.

**1.31 Part III:** Tariff Sections 28 through 35 pertaining to Network Integration Transmission Service in conjunction with the applicable Common Service Provisions of Part I and appropriate Schedules and Attachments.

**1.31A Part IV:** Tariff Sections 36 through 112 pertaining to generation or merchant transmission interconnection to the Transmission System in conjunction with the applicable Common Service Provisions of Part I and appropriate Schedules and Attachments.

**1.31B PJM Control Area:** The Control Area that is recognized by NERC as the PJM Control Area.

**1.32D PJM Manuals:** The instructions, rules, procedures and guidelines established by the Transmission Provider for the operation, planning, and accounting requirements of the PJM region and the PJM Interchange Energy Market.

**1.32F PJM West Region:** The aggregate of the zone of the West Transmission Owners.

**50.44** “Point of Interconnection” shall mean the point or points, shown in the appropriate appendix to the Interconnection Service Agreement and the Construction Service Agreement, where the Customer Interconnection Facilities and/or Merchant Network Upgrade(s) interconnect with the Transmission Owner Interconnection Facilities or the Transmission System.

**50.45** “Project Financing” means:

(a) one or more loans, leases, equity and/or debt financings, together with all

modifications, renewals, supplements, substitutions and replacements thereof, the proceeds of which are used to finance or refinance the costs of the Customer Facility, any alteration, expansion or improvement to the Customer Facility, the purchase and sale of the Customer Facility or the operation of the Customer Facility;

- (b) a power purchase agreement pursuant to which Interconnection Customer's obligations are secured by a mortgage or other lien on the Customer Facility; or
- (c) loans and/or debt issues secured by the Customer Facility.

**50.46** "Project Finance Entity" means (a) a holder, trustee or agent for holders, of any component of Project Financing, or (b) any purchaser of capacity and/or energy produced by the Customer Facility to which Interconnection Customer has granted a mortgage or other lien as security for some or all of Interconnection Customer's obligations under the corresponding power purchase agreement.

**50.47** "Reasonable Efforts" shall mean, with respect to any action required to be made, attempted, or taken by an Interconnection Party under Subpart E or by a Construction Party under Subpart F, such efforts as are timely and consistent with Good Utility Practice and with efforts that such party would undertake for the protection of its own interests.

**1.37A Regional Transmission Expansion Plan:** The plan prepared by the Office of the Interconnection pursuant to Schedule 6 of the Operating Agreement for the enhancement and expansion of the Transmission System in order to meet the demands for firm transmission service in the PJM region

**50.48 [Reserved]**

**50.49** "Schedule of Payments" shall mean that schedule, as revised from time to time as necessary for correlation with the Schedule of Work, attached to the Construction Service Agreement and setting forth the payments due and owing by the Interconnection Customer pursuant to Subpart F.

**50.50** "Schedule of Work" shall mean that schedule, as revised from time to time and attached to the Construction Service Agreement, setting forth the timing of work to be performed by the Constructing Entity pursuant to Subpart F and based upon the Facilities Study.

**50.51** "Scope of Work" shall mean that scope of the work attached as a schedule to the Construction Service Agreement and to be performed by the Constructing Entity(ies) pursuant to Subpart F.

**50.52** "Secondary Systems" shall mean 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.

**50.53** “Security” shall mean the security provided by the Interconnection Customer pursuant to Section 36.8.4 or Section 47.7.4 of the Tariff to secure the Interconnection Customer’s responsibility for Costs under Subpart F and Section 37 or Section 42 of the Tariff.

**50.54** “Site” shall mean all of the real property, including but not limited to any leased real property and easements, on which the Customer Facility is situated and/or on which the Customer Interconnection Facilities are to be located.

**(Attachment K - Appendix)**

**1.3.33B Station Power.**

“Station Power” shall mean energy used for operating the electric equipment on the site of a generation facility located in the PJM Control Area or for the heating, lighting, air-conditioning and office equipment needs of buildings on the site of such a generation facility that are used in the operation, maintenance, or repair of the facility. Station Power does not include any energy used to power synchronous condensers, used for pumping at a pumped storage facility, or used in association with restoration or black start service.

**50.55** “Subpart E” shall refer to Subpart E of Part IV of the Tariff and, where the context so requires, to the Interconnection Service Agreement.

**50.56** “Subpart F” shall refer to Subpart F of Part IV of the Tariff, and, where the context so requires, to the Construction Service Agreement.

**50.57** “Switching and Tagging Rules” shall mean the switching and tagging procedures of Interconnected Transmission Owners and Interconnection Customer, as set forth in an appendix to the Interconnection Service Agreement, and as they may be amended from time to time.

**50.58** “System Protection Facilities” shall mean the equipment required to protect (i) the Transmission System, other delivery systems and/or other generating systems connected to the Transmission System from faults or other electrical disturbance occurring at or on the Customer Facility, and (ii) the Customer Facility from faults or other electrical system disturbance occurring on the Transmission System or on other delivery systems and/or other generating systems to which the Transmission System is directly or indirectly connected. System Protection Facilities shall include such protective and regulating devices as are identified in the Applicable Technical Requirements and Standards or that are required by Applicable Laws and Regulations or other Applicable Standards, or as are otherwise necessary to protect personnel and equipment and to minimize deleterious effects to the Transmission System arising from the Customer Facility.

**1.45A Transmission Injection Rights:** Capacity Transmission Injection Rights and Energy Transmission Injection Rights.

**1.45B Transmission Interconnection Customer:** An entity that submits an Interconnection



Request to interconnect or add Merchant Transmission Facilities to the Transmission System or to increase the capacity of Merchant Transmission Facilities interconnected with the Transmission System in the PJM Control Area or PJM West Region.

**1.45C Transmission Interconnection Facilities Study:** A Facilities Study related to a Transmission Interconnection Request.

**1.45D Transmission Interconnection Feasibility Study:** A study conducted by the Transmission Provider in accordance with Section 41.2 of the Tariff.

**1.45E Transmission Interconnection Request:** A request by a Transmission Interconnection Customer pursuant to Part IV of the Tariff to interconnect or add Merchant Transmission Facilities to the Transmission System or to increase the capacity of existing Merchant Transmission Facilities interconnected with the Transmission System in the PJM Control Area or PJM West Region.

**1.45F Transmission Owner:** Each entity that owns, leases or otherwise has a possessory interest in facilities used for the transmission of electric energy in interstate commerce under the Tariff. The Transmission Owners are listed in Attachment L.

**50.59** “Transmission Owner Attachment Facilities” shall mean that portion of the Transmission Owner Interconnection Facilities comprised of all Attachment Facilities on the Interconnected Transmission Owner’s side of the Point of Interconnection.

**50.60** “Transmission Owner Interconnection Facilities” shall mean all Interconnection Facilities that are not Customer Interconnection Facilities and that, after the transfer under Section 85.5 below to the Interconnected Transmission Owner of title to any Transmission Owner Interconnection Facilities that the Interconnection Customer constructed, are owned, controlled, operated and maintained by the Interconnected Transmission Owner on the Interconnected Transmission Owner’s side of the Point of Interconnection identified in appendices to the Interconnection Service Agreement and to the Construction Service Agreement, including any modifications, additions or upgrades made to such facilities and equipment, that are necessary to physically and electrically interconnect the Customer Facility with the Transmission System or interconnected distribution facilities

**1.46 Transmission Provider:** The Transmission Provider shall be the Office of the Interconnection for all purposes, provided that the Transmission Owners will have the responsibility for the following specified activities:

- (a) The Office of the Interconnection shall direct the operation and coordinate the maintenance of the Transmission System, except that the Transmission Owners will continue to direct the operation and maintenance of those transmission facilities that are not listed in the PJM Designated Facilities List contained in the PJM Manual on Transmission Operations;
- (b) Each Transmission Owner shall physically operate and maintain all of the facilities

that it owns; and

- (c) When studies conducted by the Office of the Interconnection indicate that enhancements or modifications to the Transmission System are necessary, the Transmission Owners shall have the responsibility, in accordance with the applicable terms of the Tariff, Operating Agreement and/or Transmission Owners Agreement or West Transmission Owners Agreement, to construct, own, and finance the needed facilities or enhancements or modifications to facilities.

**1.49 Transmission System:** The facilities controlled or operated by the Transmission Provider within the PJM Control Area and PJM West Region that are used to provide transmission service under Part II and Part III of the Tariff.

**1.49A Transmission Withdrawal Rights:** Firm Transmission Withdrawal Rights and Non-Firm Transmission Withdrawal Rights.

## **APPENDIX2**

### **SUBPART E - TERMS AND CONDITIONS**

## **51 Commencement, Term Of And Conditions Precedent To Interconnection Service**

**51.1 Commencement Date.** Subject to regulatory acceptance, an Interconnection Service Agreement entered into pursuant to this Subpart E shall become effective upon its execution by all Interconnection Parties, or, if the agreement is filed unexecuted, upon the date specified by FERC. Interconnection Service under this Subpart shall commence upon the satisfaction of the conditions precedent set forth in Section 51.2 below.

**51.2 Conditions Precedent.** The following conditions must be satisfied prior to the commencement of Interconnection Service under this Subpart:

- (a) An Interconnection Service Agreement in conformity with Section 36.8 or Section 41.7 of the Tariff among the Transmission Provider, the Interconnection Customer and the Interconnected Transmission Owner for the Customer Facility shall have been accepted for filing by the FERC;
- (b) All requirements for Initial Operation as specified in Section 51.4 below shall have been met and Initial Operation of the Customer Facility shall have been completed.
- (c) Interconnection Customer shall be in compliance with all Applicable Technical Requirements and Standards for interconnection under the Tariff (as determined by the Transmission Provider).

**51.3 Term.** An Interconnection Service Agreement shall remain in full force and effect until it is terminated in accordance with Section 66 of this Subpart E.

**51.4 Initial Operation.** The following requirements shall be satisfied prior to Initial Operation of the Customer Facility:

**51.4.1** The construction of all Interconnection Facilities necessary for the interconnection of the Customer Facility has been completed;

**51.4.2** The Interconnected Transmission Owner has accepted any Interconnection Facilities and/or Merchant Network Upgrades constructed by Interconnection Customer pursuant to Section 83.10 of the Tariff;

**51.4.3** Interconnection Customer and the Interconnected Transmission Owner have all necessary systems and personnel in place to allow for parallel operation of their respective facilities;

**51.4.4** Interconnected Transmission Owner has received all applicable documentation for the Interconnection Facilities and/or Merchant Network Upgrades built by the Interconnection Customer, certified as correct, including, but not limited to, marked-up drawings reflecting the as-built condition, pre-operation test reports, and instruction books; and

**51.4.5** Interconnection Customer shall have received any necessary authorization from Transmission Provider to synchronize with the Transmission System or to energize, as applicable per the determination of Transmission Provider, the Customer Facility and Interconnection Facilities.

**51.5 Survival.** The Interconnection Service Agreement shall continue in effect after termination to the extent necessary to provide for final billings and payments; to permit the determination and enforcement of liability and indemnification obligations arising from acts or events that occurred while the Interconnection Service Agreement was in effect; and to permit each Interconnection Party to have access to the real property, including but not limited to leased property and easements of the other Interconnection Parties pursuant to Section 66 to disconnect, remove or salvage its own facilities and equipment.

## **52 Interconnection Service**

**52.1 Scope of Service.** Interconnection Service shall be provided to the Interconnection Customer at the Point of Interconnection (a), in the case of interconnection of the Customer Facility of a Generation Interconnection Customer, up to the Maximum Facility Output, and (b), in the case of interconnection of the Customer Facility of a Transmission Interconnection Customer, up to the Nominal Rated Capability. The location of the Point of Interconnection shall be mutually agreed by the Interconnected Entities, provided, however, that if the Interconnected Entities are unable to agree on the Point of Interconnection, the Transmission Provider shall determine the Point of Interconnection, provided that Transmission Provider shall not select a Point of Interconnection that would impose excessive costs on either of the Interconnected Entities and shall take material system reliability considerations into account in such selection. Specifications for the Customer Facility and the location of the Point of Interconnection shall be set forth in an appendix to the Interconnection Service Agreement and shall conform to those stated in the Facilities Study.

**52.2 Non-Standard Terms.** The standard terms and conditions of this Subpart E shall not apply, to such extent as Transmission Provider determines to be reasonably necessary to accommodate such circumstances, in the event that the Interconnection Customer acquires an ownership interest in facilities which, under the standard terms and conditions of Subpart F, would be part of the Transmission Owner Interconnection Facilities. In such circumstances and to the extent determined by Transmission Provider to be reasonably necessary, non-standard terms and conditions mutually agreed upon by all Interconnection Parties shall apply, subject to FERC and any other necessary regulatory acceptance or approval. In addition, a Generation Interconnection Customer that acquires an ownership interest in such facilities shall become, and shall remain for so long as it retains such interest, a signatory to either the Transmission Owners Agreement or the West Transmission Owners Agreement, as appropriate.

**52.3 No Transmission Services.** The execution of an Interconnection Service Agreement does not constitute a request for transmission service, or entitle Interconnection Customer to receive transmission service, under Part II or Part III of the Tariff. Nor does the execution of an Interconnection Service Agreement obligate the Interconnected Transmission Owner or Transmission Provider to procure, supply or deliver to Interconnection Customer or the Customer Facility any energy, capacity, Ancillary Services or Station Power (and any associated distribution services).

**52.4 Use of Distribution Facilities.** To the extent that a Generation Interconnection Customer uses distribution facilities for the purpose of delivering energy to the Transmission System, Interconnection Service under this Tariff shall include the construction and/or use of such distribution facilities. In such cases, to such extent as Transmission Provider determines to be reasonably necessary to accommodate such circumstances, the Interconnection Service Agreement may include non-standard terms and conditions mutually agreed upon by all Interconnection Parties as needed to conform with Applicable Laws and Regulations and Applicable Standards relating to such distribution facilities.

## **53 Modification Of Facilities**

**53.1 General.** Subject to Applicable Laws and Regulations and to any applicable requirements or conditions of the Tariff and the Operating Agreement, either Interconnected Entity may undertake modifications to its facilities. In the event that an Interconnected Entity plans to undertake a modification that reasonably may be expected upon completion to have a permanent material impact on the other Interconnected Entity's facilities, that Interconnected Entity, in accordance with Good Utility Practice, shall provide the other Interconnection Parties with sufficient information regarding such modification, so that the other Interconnection Parties may evaluate the potential impact of such modification prior to commencement of the work. The Interconnected Entity desiring to perform such modification shall provide the relevant drawings, plans, and specifications to the other Interconnection Parties at least ninety days, or such shorter period to which the Interconnection Parties receiving the information may agree (which agreement shall not unreasonably be withheld, conditioned, or delayed), in advance of the beginning of the work. The Interconnection Customer shall notify Transmission Provider and Interconnected Transmission Owner of the proposed modifications and Transmission Provider shall provide, within sixty days of receipt of the relevant drawings and specifications (or within such other time upon which the Interconnection Parties may agree), an estimate of any modifications to the Transmission System that would be necessary to accommodate the proposed modifications by Interconnection Customer and a good faith estimate of the costs thereof.

**53.2 Interconnection Request.** This Section 53 of Subpart E shall not apply to any proposed modifications by Interconnection Customer to its facilities for which

Interconnection Customer must make an Interconnection Request under the Tariff. In such circumstances, the Interconnection Customer and Transmission Provider shall follow the requirements of Subpart A and/or Subpart B of Part IV of the Tariff.

**53.3 Standards.** Any additions, modifications, or replacements made to an Interconnected Entity's facilities shall be constructed and operated in accordance with Good Utility Practice, Applicable Standards and Applicable Laws and Regulations.

**53.4 Modification Costs.** Unless otherwise required by Applicable Laws and Regulations or this Subpart E and, with respect to a Transmission Interconnection Customer, subject to the terms of Section 49A.2 of the Tariff:

- (a) Interconnection Customer shall not be responsible for the costs of any additions, modifications, or replacements that the Interconnected Transmission Owner in its discretion or at the direction of Transmission Provider makes to the Interconnection Facilities or the Transmission System in order to facilitate the interconnection of a third party to the Interconnection Facilities or the Transmission System, or to provide transmission service under the Tariff to a third party.
- (b) Interconnection Customer shall be responsible for the costs of any additions, modifications, or replacements to the Interconnection Facilities or the Transmission System that are required, in accord with Good Utility Practice and/or to maintain compliance with Applicable Laws and Regulations or Applicable Standards, in order to accommodate additions, modifications, or replacements made by Interconnection Customer to the Customer Facility or to the Customer Interconnection Facilities.
- (c) Interconnection Customer shall be responsible for the costs of any additions, modifications, or replacements to the Customer Interconnection Facilities or the Customer Facility that are required, in accord with Good Utility Practice and/or to maintain compliance with Applicable Laws and Regulations or Applicable Standards, in order to accommodate additions, modifications, or replacements that Transmission Provider or the Interconnected Transmission Owner makes to the Transmission System or to the Transmission Owner Interconnection Facilities, but only to the extent that Transmission Provider's or the Interconnected Transmission Owner's changes to the Transmission System or the Transmission Owner Interconnection Facilities are made pursuant to Good Utility Practice and/or to maintain compliance with Applicable Laws and Regulations or Applicable Standards.

- 54.1 General.** Each Interconnected Entity shall operate, or shall cause operation of, its facilities in a safe and reliable manner in accord with (i) the terms of this Subpart; (ii) Applicable Standards; (iii) applicable rules, procedures and protocols set forth in the Tariff and the Operating Agreement, as any or all may be amended from time to time; (iv) Applicable Laws and Regulations, and (v) Good Utility Practice.
- 54.2 Operation of Merchant Network Upgrades.** Unless otherwise provided in the Interconnection Service Agreement, the Interconnected Transmission Owner that owns Transmission System facilities to which any Merchant Network Upgrades are connected shall operate such Merchant Network Upgrades (a) on behalf and at the expense of the Interconnection Customer that constructed or caused construction of the pertinent Merchant Network Upgrades and (b) in accordance with this Subpart E and with an agreement between the Interconnected Transmission Owner and the Interconnection Customer regarding such operation.
- 54.3 Interconnection Customer Obligations.** Interconnection Customer shall obtain Transmission Provider's approval prior to either synchronizing with the Transmission System or energizing, as applicable per the determination of Transmission Provider, the Customer Facility or, except in an Emergency Condition, disconnecting the Customer Facility from the Transmission System, and shall coordinate such synchronizations, energizations, and disconnections with the Interconnected Transmission Owner.
- 54.4 [Reserved]**
- 54.5 Permits and Rights-of-Way.** Each Interconnected Entity at its own expense shall maintain in full force and effect all permits, licenses, rights-of-way and other authorizations as may be required to maintain the Customer Facility and the Interconnection Facilities that the entity owns, operates and maintains and, upon reasonable request of the other Interconnected Entity, shall provide copies of such permits, licenses, rights-of-way and other authorizations at its own expense to the requesting party.
- 54.6 No Ancillary Services.** Except as provided in Section 54.7, nothing in this Subpart E is intended to obligate the Interconnection Customer to supply Ancillary Services to either Transmission Provider or the Interconnected Transmission Owner.
- 54.7 Reactive Power.**
- 54.7.1 Reactive Power Design Criteria.** Except as Transmission Provider determines otherwise for small generation resources (as described in the Preamble to Subpart G of Part IV of the Tariff), a Generation Interconnection Customer shall design its Customer Facility to maintain a composite power delivery at continuous rated power output at the generator's terminals at a power factor of at least 0.95 leading to 0.90



lagging. Any different reactive power design criteria that Transmission Provider determines to be appropriate for a small generation resource shall be stated as a non-standard term of the Interconnection Service Agreement. A Transmission Interconnection Customer interconnecting Merchant D.C. Transmission Facilities shall design its Customer Facility to maintain a composite power delivery over the entire operating range of the facility at a power factor of at least 0.95 leading and 0.95 lagging at the Point(s) of Interconnection.

**54.7.2 Obligation to Supply Reactive Power.** Interconnection Customer agrees, as and when so directed by Transmission Provider or when so directed by the Interconnected Transmission Owner acting on behalf or at the direction of Transmission Provider, to operate the Customer Facility to produce reactive power within the design limitations of the Customer Facility pursuant to voltage schedules, reactive power schedules or power factor schedules established by Transmission Provider or, as appropriate, the Interconnected Transmission Owner. Transmission Provider shall maintain oversight over such schedules to ensure that all sources of reactive power in the PJM Control Area or the PJM West Region, as applicable, are treated in an equitable and not unduly discriminatory manner. Interconnection Customer agrees that Transmission Provider and the Interconnected Transmission Owner, acting on behalf or at the direction of Transmission Provider, may make changes to the schedules that they respectively establish as necessary to maintain the reliability of the Transmission System.

**54.7.3 Deviations from Schedules.** In the event that operation of the Customer Facility of an Interconnection Customer causes the Transmission System or the Interconnected Transmission Owner's facilities to deviate from appropriate voltage schedules and/or reactive power schedules as specified by Transmission Provider or the Interconnected Transmission Owner's operations control center (acting on behalf or at the direction of Transmission Provider), or that otherwise is inconsistent with Good Utility Practice and results in an unreasonable deterioration of the quality of electric service to other customers of Transmission Provider or the Interconnected Transmission Owner, the Interconnection Customer shall, upon discovery of the problem or upon notice from Transmission Provider or the Interconnected Transmission Owner, acting on behalf or at the direction of Transmission Provider, take whatever steps are reasonably necessary to alleviate the situation at its expense, in accord with Good Utility Practice and within the reactive capability of the Customer Facility. In the event that the Interconnection Customer does not alleviate the situation within a reasonable period of time following Transmission Provider's or the Interconnected Transmission Owner's notice thereof, the Interconnected Transmission Owner, with Transmission Provider's approval, upon notice to the Interconnection Customer and at the

Interconnection Customer's expense, may take appropriate action, including installation on the Transmission System of power factor correction or other equipment, as is reasonably required, consistent with Good Utility Practice, to remedy the situation cited in Transmission Provider's or the Interconnected Transmission Owner's notice to the Interconnection Customer under this section.

**54.7.4 Payment for Reactive Power.** Any payments to the Interconnection Customer for reactive power shall be in accordance with Schedule 2 of the Tariff.

**54.8 [Reserved]**

**54.9 Protection and System Quality.**

**54.9.1 System Protection.** Interconnection Customer shall, at its expense, install, operate and maintain such System Protection Facilities as may be required in connection with operation of the Customer Facility and the Customer Interconnection Facilities consistent with Applicable Technical Requirements and Standards. Interconnected Transmission Owner shall install any System Protection Facilities that may be required, as determined by Transmission Provider, on the Transmission Owner Interconnection Facilities or the Transmission System in connection with the operation of the Customer Facility and the Customer Interconnection Facilities. Responsibility for the cost of any System Protection Facilities required on the Transmission Owner Interconnection Facilities or the Transmission System shall be allocated as provided in Section 37 or Section 42 of the Tariff.

**54.9.2 Power Quality.** The Customer Facility and Customer Interconnection Facilities shall not cause excessive deviations from the power quality criteria set forth in the Applicable Technical Requirements and Standards.

**54.10 [Reserved]**

**54.11 Access Rights.** Each Interconnected Entity shall provide the other Interconnected Entity access to areas under its control as reasonably necessary to permit the other Interconnected Entity to perform its obligations under this Subpart, including operation and maintenance obligations. An Interconnected Entity that obtains such access shall comply with all safety rules applicable to the area to which access is obtained. Each Interconnected Entity agrees to inform the other Interconnected Entity's representatives of safety rules applicable to an area.

**54.12 Switching and Tagging Rules.** The Interconnected Entities shall comply with applicable Switching and Tagging Rules as stated in the applicable appendix to the Interconnection Service Agreement in obtaining clearances for work or for

switching operations on equipment. Such Switching and Tagging Rules shall be developed in accordance with OSHA standards codified at 29 CFR Part 1910, or successor standards. Each Interconnected Entity shall provide the other Interconnected Entity a copy of its Switching and Tagging Rules that are applicable to the other Interconnected Entity's activities.

**54.13 Communications and Data Protocol.** The Interconnected Entities shall comply with any communications and data protocol that the Transmission Provider may establish.

**54.14 Nuclear Generating Facilities.** In the event that the Customer Facility is a nuclear generating facility, the Interconnection Parties shall agree to such non-standard terms and conditions as are reasonably necessary to accommodate the Interconnection Customer's satisfaction of Nuclear Regulatory Commission requirements relating to the safety and reliability of operations of such facilities.

## **55 Maintenance**

**55.1 General.** Each Interconnected Entity shall maintain, or shall cause the maintenance of, its facilities in a safe and reliable manner in accord with (i) the terms of this Subpart; (ii) Applicable Standards; (iii) applicable rules, procedures and protocols set forth in the Tariff and the Operating Agreement, as any or all may be amended from time to time; (iv) Applicable Laws and Regulations, and (v) Good Utility Practice.

**55.2 Maintenance of Merchant Network Upgrades.** Unless otherwise provided in the Interconnection Service Agreement, the Interconnected Transmission Owner that owns Transmission System facilities to which any Merchant Network Upgrades are connected shall maintain such Merchant Network Upgrades (a) on behalf and at the expense of the Interconnection Customer that constructed or caused construction of the pertinent Merchant Network Upgrades and (b) in accordance with this Subpart E and with an agreement between the Interconnected Transmission Owner and the Interconnection Customer regarding such maintenance.

### **55.3 Outage Authority and Coordination.**

**55.3.1 Coordination.** The Interconnection Parties agree to confer regularly to coordinate the planning, scheduling and performance of preventive and corrective maintenance on the Customer Facility, the Customer Interconnection Facilities and any Attachment Facilities owned by the Interconnected Transmission Owner.

**55.3.2 Authority.** Each Interconnected Entity may, in accordance with Good Utility Practice, remove from service its facilities that may affect the other Interconnected Entity's facilities in order to perform maintenance or testing

or to install or replace equipment. Except in the event of an Emergency Condition, the Interconnection Customer proposing to remove such facilities from service shall provide prior notice of such activities to the Transmission Provider and the Interconnected Transmission Owner, and the Interconnected Entities shall coordinate all scheduling of planned facility outages with Transmission Provider, in accordance with applicable sections of the Operating Agreement, the PJM Manuals and any other applicable operating guidelines or directives of the Transmission Provider. Subject to the foregoing, the Interconnected Entity scheduling a facility outage shall use Reasonable Efforts to coordinate such outage with the other Interconnected Entity's scheduled outages.

**55.3.3 Outages Required for Maintenance.** Subject to any necessary approval by Transmission Provider, each Interconnected Entity shall provide necessary equipment outages to allow the other Interconnected Entity to perform periodic maintenance, repair or replacement of its facilities and such outages shall be provided at mutually agreeable times, unless conditions arise which an Interconnected Entity believes, in accordance with Good Utility Practice, may endanger persons or property.

**55.3.4 Rescheduling of Planned Outages.** To the extent so provided by the Tariff, the Operating Agreement, and the PJM Manuals, an Interconnected Entity may seek compensation from Transmission Provider for any costs related to rejection by Transmission Provider of a request of such Interconnected Entity for a planned maintenance outage.

**55.3.5 Outage Restoration.** If an outage on an Interconnected Entity's facilities adversely affects the other Interconnected Entity's facilities, the Interconnected Entity that owns or controls the facility that is out of service shall use Reasonable Efforts to restore the facility to service promptly.

**55.4 Inspections and Testing.** Each Interconnected Entity shall 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 Customer Facility with the Transmission System in a safe and reliable manner. Each Interconnected Entity shall have the right, upon advance written notice, to request reasonable additional testing of an Interconnected Entity's facilities for good cause, as may be in accordance with Good Utility Practice.

**55.5 Right to Observe Testing.** Each Interconnected Entity shall notify the other Interconnected Entity in advance of its performance of tests of its portion of the Interconnection Facilities or of any Merchant Network Upgrades. The other Interconnected Entity shall, at its own expense, have the right to observe such testing.

- 55.6 Secondary Systems.** Each Interconnected Entity agrees to cooperate with the other in the inspection, maintenance, and testing of those Secondary Systems directly affecting the operation of an Interconnected Entity's facilities and equipment which may reasonably be expected to affect the other Interconnected Entity's facilities. Each Interconnected Entity shall provide advance notice to the other Interconnected Entity before undertaking any work on such equipment, especially in electrical circuits involving circuit breaker trip and close contacts, current transformers, or potential transformers.
- 55.7 Access Rights.** Each Interconnected Entity shall provide the other Interconnected Entity access to areas under its control as reasonably necessary to permit the other Interconnected Entity to perform its obligations under this Subpart, including operation and maintenance obligations. An Interconnected Entity that obtains such access shall comply with all safety rules applicable to the area to which access is obtained. Each Interconnected Entity agrees to inform the other Interconnected Entity's representatives of safety rules applicable to an area.
- 55.8 Observation of Deficiencies.** If an Interconnection Party observes any Abnormal Condition on, or becomes aware of a lack of scheduled maintenance and testing with respect to, an Interconnection Party's facilities and equipment that might reasonably be expected to adversely affect the observing Interconnection Party's facilities and equipment, the observing Interconnection Party shall provide prompt notice under the circumstances to the appropriate Interconnection Party, and such Interconnection Party shall consider such notice in accordance with Good Utility Practice. Any Interconnection Party's review, inspection, and approval related to the other Interconnection Party's facilities and equipment shall be limited to the purpose of assessing the safety, reliability, protection and control of the Transmission System and shall not be construed as confirming or endorsing the design of such facilities and equipment, or as a warranty of any type, including safety, durability or reliability thereof. Notwithstanding the foregoing, the observing Interconnection Party shall have no liability whatsoever for failure to give a deficiency notice to the other Interconnection Party and the Interconnected Entity that owns the relevant Interconnection Facilities shall remain fully liable for its failure to determine and correct deficiencies and defects in its facilities and equipment.

## **56 Emergency Operations**

- 56.1 Obligations.** Subject to Applicable Laws and Regulations, each Interconnection Party shall comply with the Emergency Condition procedures of NERC, the Applicable Reliability Council, Transmission Provider, the Interconnected Transmission Owner and Interconnection Customer.
- 56.2 Notice.** Each Interconnection Party shall notify the other parties promptly when it becomes aware of an Emergency Condition that may reasonably be expected to affect operation of the Customer Facility, the Customer Interconnection Facilities,

the Transmission Owner Interconnection Facilities, or the Transmission System. 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 facilities and/or operation thereof, 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.

**56.3 Immediate Action.** An Interconnection Party becoming aware of an Emergency Condition may take such action, including disconnection of the Customer Facility from the Transmission System, as is reasonable and necessary in accord with Good Utility Practice (i) to prevent, avoid, or mitigate injury or danger to, or loss of, life or property; (ii) to preserve the reliability of, in the case of Interconnection Customer, the Customer Facility, or, in the case of Transmission Provider or the Interconnected Transmission Owner, the Transmission System and interconnected sub-transmission and distribution facilities; or (iii) to expedite restoration of service. Unless, in Interconnection Customer's reasonable judgment, immediate action is required to prevent imminent loss of life or property, Interconnection Customer shall obtain the consent of Transmission Provider and the Interconnected Transmission Owner prior to performing any manual switching operations at the Customer Facility or the Generation Interconnection Facilities. Each Interconnection Party shall use Reasonable Efforts to minimize the effect of its actions during an Emergency Condition on the facilities and operations of the other Interconnection Parties.

**56.4 Record-Keeping Obligations.** Each Interconnection Party shall keep and maintain records of actions taken during an Emergency Condition that may reasonably be expected to affect the other parties' facilities and make such records available for audit in accordance with Section 69.3.

## **57 Safety**

**57.1 General.** Each Interconnected Entity shall perform all work under this Subpart that may reasonably be expected to affect the other Interconnected Entity in accordance with Good Utility Practice and all Applicable Laws and Regulations pertaining to the safety of persons or property. An Interconnected Entity performing work within the boundaries of the other Interconnected Entity's facilities must abide by the safety rules applicable to the site. Each party agrees to inform the other party's representatives of applicable safety rules that must be obeyed on the premises.

**57.2 Environmental Releases.** Each Interconnected Entity shall notify the other Interconnection Parties, first orally and promptly thereafter in writing, of the release of any Hazardous Substances, any asbestos or lead abatement activities, or any type of remediation activities, related to the Customer Facility or the Interconnection Facilities, any of which may reasonably be expected to affect one or both of the other parties. The notifying party shall (i) provide the notice as soon

as possible; (ii) make a good faith effort to provide the notice within twenty-four (24) hours after the party becomes aware of the occurrence; and (iii) promptly furnish to the other parties copies of any publicly available reports filed with any governmental agencies addressing such events.

## **58      Metering**

**58.1      General.** Interconnection Customer shall have the right to install, own, operate, test and maintain the necessary Metering Equipment. In the event that Interconnection Customer exercises this option, the Interconnected Transmission Owner shall have the right to install its own check meter(s), at its own expense, at or near the location of the Metering Equipment. If both Interconnection Customer and Interconnected Transmission Owner install meters, the meter installed by the Interconnection Customer shall control unless it is determined by testing to be inaccurate. If the Interconnection Customer does not exercise the option provided by the first sentence of this section, the Interconnected Transmission Owner shall have the option to install, own, operate, test and maintain all necessary Metering Equipment at Interconnection Customer's expense. If the Interconnected Transmission Owner does not exercise this option, the Interconnection Customer shall install, own, operate, test and maintain all necessary Metering Equipment. Transmission Provider shall determine the location where the Metering Equipment shall be installed, after consulting with Interconnection Customer and the Interconnected Transmission Owner. All Metering Equipment shall be tested prior to any operation of the Customer Facility. Power flows to and from the Customer Facility shall be compensated to the Point of Interconnection, or, upon the mutual agreement of the Interconnected Transmission Owner and the Interconnection Customer, to another location.

**58.2      Standards.** All Metering Equipment installed pursuant to this Subpart shall be revenue quality Metering Equipment and shall satisfy applicable ANSI standards and Transmission Provider's metering standards and requirements. Nothing in this Subpart precludes the use of Metering Equipment for any retail services of the Interconnected Transmission Owner provided, however, that in such circumstances Applicable Laws and Regulations shall control.

**58.3      Testing of Metering Equipment.** The Interconnected Entity that, pursuant to Section 58.1, owns the Metering Equipment shall operate, maintain, inspect and test all Metering Equipment upon installation and at least once every two years thereafter. Upon reasonable request by the other Interconnected Entity, the owner of the Metering Equipment shall inspect or test the Metering Equipment more frequently than every two years, but in no event more frequently than three times in any 24-month period. The owner of the Metering Equipment shall give reasonable notice to the Interconnection Parties of the time when any inspection or test of the owner's Metering Equipment shall take place, and the other parties may have representatives present at the test or inspection. If Metering Equipment is found to be inaccurate or defective, it shall be adjusted, repaired or replaced in

order to provide accurate metering. Where the Interconnected Transmission Owner owns the Metering Equipment, the expense of such adjustment, repair or replacement shall be borne by the Interconnection Customer, except that the Interconnection Customer shall not be responsible for such expenses where the inaccuracy or defect is caused by the Interconnected Transmission Owner. If Metering Equipment fails to register, or if the measurement made by Metering Equipment during a test varies by more than one percent from the measurement made by the standard meter used in the test, the owner of the Metering Equipment shall inform Transmission Provider, and the Transmission Provider shall inform the other Interconnected Entity, of the need to correct all measurements made by the inaccurate meter for the period during which the inaccurate measurements were made, if the period can be determined. If the period of inaccurate measurement cannot be determined, the correction shall be for the period immediately preceding the test of the Metering Equipment that is equal to one-half of the time from the date of the last previous test of the Metering Equipment, provided that the period subject to correction shall not exceed nine (9) months.

**58.4 Metering Data.** At Interconnection Customer's expense, the metered data shall be telemetered to a location designated by Transmission Provider, to a location designated by the Interconnected Transmission Owner, and to a location designated by Interconnection Customer. Data from the Metering Equipment at the Point of Interconnection shall be used, under normal operating conditions, as the official measurement of the amount of energy delivered from or to the Customer Facility to the Point of Interconnection, provided that the Transmission Provider's rules applicable to Station Power shall control with respect to a Generation Interconnection Customer's consumption of Station Power.

**58.5 Communications.**

**58.5.1 Interconnection Customer Obligations.** Interconnection Customer shall install and maintain satisfactory operating communications with Transmission Provider's system dispatcher or its other designated representative and with the Interconnected Transmission Owner. Interconnection Customer shall provide standard voice line, dedicated voice line and facsimile communications at its Customer Facility control room through use of the public telephone system. Interconnection Customer also shall provide and maintain backup communication links with both Transmission Provider and Interconnected Transmission Owner for use during abnormal conditions as specified by Transmission Provider and Interconnected Transmission Owner, respectively. Interconnection Customer further shall provide the dedicated data circuit(s) necessary to provide Interconnection Customer data to the Transmission Provider and Interconnected Transmission Owner as necessary to conform with Applicable Technical Requirements and Standards.

**58.5.2 Remote Terminal Unit.** Prior to any operation of the Customer Facility,



a remote terminal unit, or equivalent data collection and transfer equipment acceptable to the Interconnection Parties, shall be installed by Interconnection Customer, or by the Interconnected Transmission Owner at Interconnection Customer's expense, to gather accumulated and instantaneous data to be telemetered to the location(s) designated by Transmission Provider and Interconnected Transmission Owner through use of a dedicated point-to-point data circuit(s) as indicated in Section 58.5.1. Instantaneous, bi-directional real power and, with respect to a Generation Interconnection Customer's Customer Facility, reactive power flow information, must be telemetered directly to the location(s) specified by Transmission Provider and the Interconnected Transmission Owner.

## **59 Force Majeure**

- 59.1 Notice.** An Interconnection Party that is unable to carry out an obligation imposed on it by this Subpart due to Force Majeure shall notify the other parties in writing or by telephone within a reasonable time after the occurrence of the cause relied on.
- 59.2 Duration of Force Majeure.** An Interconnection Party shall not be responsible, or considered to be in Breach or Default under this Subpart, for any non-performance, any interruption or failure of service, deficiency in the quality or quantity of service, or any other failure to perform any obligation hereunder to the extent that such failure or deficiency is due to Force Majeure. An Interconnection Party shall be excused from whatever performance is affected only for the duration of the Force Majeure and while the Interconnection Party exercises Reasonable Efforts to alleviate such situation. As soon as the non-performing Interconnection Party is able to resume performance of its obligations excused because of the occurrence of Force Majeure, such Interconnection Party shall resume performance and give prompt notice thereof to the other parties.
- 59.3 Obligation to Make Payments.** Any Interconnection Party's obligation to make payments for services shall not be suspended by Force Majeure.

## **60 Charges**

- 60.1 Specified Charges.** If and to the extent required by the Interconnected Transmission Owner, Interconnection Customer shall pay one or more of the types of charges described in this section to compensate the Interconnected Transmission Owner for costs incurred in performing certain of its obligations under this Subpart. All such charges shall be stated in an attachment to the Interconnection Service Agreement. Interconnected Transmission Owner shall provide Transmission Provider and Interconnection Customer with appropriate cost data, schedules and/or written testimony in support of any charges under this section in such manner and at such time as to allow Transmission Provider to include such materials in its filing of the Interconnection Service Agreement with

the FERC. Transmission Provider will deliver a copy of such filing to Interconnection Customer. Permissible charges under this section may include:

- (a) Administration Charge - Any such charge may recover only the costs and expenses incurred by the Interconnected Transmission Owner in connection with administrative obligations such as the preparation of bills, the processing of Customer Facility-specific data on energy delivered at the Point of Interconnection and costs incurred in similar types of administrative processes related to Interconnection Customer's Interconnection Service. An Administration Charge shall not be permitted to the extent that the Interconnected Transmission Owner's other charges to the Interconnection Customer under the same Interconnection Service Agreement include an allocation of Interconnected Transmission Owner's administrative and general expenses and/or other corporate overhead costs.
- (b) Metering Charge - Any such charge may recover only the Interconnected Transmission Owner's costs and expenses associated with operation, maintenance, inspection, testing, and carrying or capital replacement charges for any Metering Equipment that is owned by the Interconnected Transmission Owner.
- (c) Telemetry Charge - Any such charge may recover only the Interconnected Transmission Owner's costs and expenses associated with operation, maintenance, inspection, testing, and carrying or capital replacement charges for any telemetry equipment that is owned by the Interconnected Transmission Owner and that is used exclusively in conjunction with Interconnection Service for the Interconnection Customer.
- (d) Customer Facility Operations and Maintenance Charge - Any such charge may recover only the Interconnected Transmission Owner's costs and expenses associated with operation, maintenance, inspection, testing, modifications, taxes and carrying or capital replacement charges for Attachment Facilities related to the Interconnection Customer's Interconnection Service and that are owned by the Interconnected Transmission Owner, provided that
  - (i) any such charge shall exclude costs and expenses associated with Transmission Owner Interconnection Facilities owned by the Interconnected Transmission Owner that are radial line facilities that serve load in addition to an Interconnection Customer; and
  - (ii) except as otherwise provided by Applicable Laws and Regulations, any such charge may include only an allocated share, derived in accordance with the allocations contained in the Facilities Study, of costs and expenses associated with Transmission Owner

Interconnection Facilities owned by the Interconnected Transmission Owner that are radial line facilities that serve more than one Interconnection Customer.

At the discretion of the affected Interconnected Entities, a Customer Facility Operations and Maintenance Charge authorized under this section may apply on a per-incident basis or on a monthly or other periodic basis.

- (e) Other Charges - Any other charges applicable to the Interconnection Customer, as mutually agreed upon by the Interconnection Customer and the Interconnected Transmission Owner and as accepted by the FERC as part of an Interconnection Service Agreement.

**60.2 FERC Filings.** To the extent required by law or regulation, each Interconnection Party shall seek FERC acceptance or approval of its respective charges or the methodology for the calculation of such charges.

## **61 Billing And Payments**

**61.1 General.** Except as, and to the extent, otherwise provided in the Interconnection Service Agreement, billing and payment of any charges applicable to Interconnection Service under this Subpart E shall be in accordance with Section 7 of the Tariff. The Interconnected Transmission Owner shall provide Transmission Provider with all necessary information and supporting data that Transmission Provider may reasonably require to administer billing for and payment of applicable charges under this Subpart E. Transmission Provider shall remit to the Interconnected Transmission Owner revenues received in payment of Interconnected Transmission Owner's charges to Interconnection Customer under this Subpart E upon Transmission Provider's receipt of such revenues. At Transmission Provider's reasonable discretion, charges to Interconnection Customer and remittances to Interconnected Transmission Owner under this Subpart E may be netted against other amounts owed by or to such parties under the Tariff.

**61.2 Billing Disputes.** In the event of a billing dispute between Transmission Provider and Interconnection Customer, Transmission Provider shall continue to provide interconnection service under this Subpart of the Tariff as long as Interconnection Customer (i) continues to make all payments not in dispute, and (ii) pays to Transmission Provider 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 shall so inform the Interconnection Parties and may provide notice to Interconnection Customer of a Breach pursuant to Section 65 of the Tariff. Within thirty days after the resolution of the dispute, the Interconnection Party that owes money to the other Interconnection Party shall pay the amount due with interest calculated in accord with Section 61.4.

**61.3 No Waiver.** Payment of an invoice shall not relieve Interconnection Customer from any other responsibilities or obligations it has under this Subpart, nor shall such payment constitute a waiver of any claims arising hereunder.

**61.4 Interest.** Interest on any unpaid amounts shall be calculated in accordance with the methodology specified for interest on refunds in the FERC's regulations at 18 C.F.R. § 35.19a(a)(2)(iii). Interest on delinquent amounts shall be calculated from the due date of the bill to the date of payment.

## **62 Assignment**

**62.1 Assignment with Prior Consent.** Except as provided in Section 62.2, no Interconnection Party shall assign its rights or delegate its duties, or any part of such rights or duties, under the Interconnection Service Agreement without the written consent of the other Interconnection Parties, which consent shall not be unreasonably withheld, conditioned, or delayed. Any such assignment or delegation made without such written consent shall be null and void. An Interconnection Party may make an assignment in connection with the sale, merger, or transfer of a substantial portion or all of its properties including the Interconnection Facilities which it owns, so long as the assignee in such a sale, merger, or transfer assumes in writing all rights, duties and obligations arising under this Subpart and the Interconnection Service Agreement. In addition, the Interconnected Transmission Owner shall be entitled, subject to Applicable Laws and Regulations, to assign the Interconnection Service Agreement to any Affiliate or successor that owns and operates all or a substantial portion of the Interconnected Transmission Owner's transmission facilities.

### **62.2 Assignment Without Prior Consent.**

**62.2.1 Assignment to Owners.** Interconnection Customer may assign the Interconnection Service Agreement without the Interconnected Transmission Owner's or Transmission Provider's prior consent to any Affiliate or person that purchases or otherwise acquires, directly or indirectly, all or substantially all of the Customer Facility and the Customer Interconnection Facilities, provided that prior to the effective date of any such assignment, the assignee shall demonstrate that, as of the effective date of the assignment, the assignee has the technical and operational competence to comply with the requirements of this Subpart and assumes in a writing provided to the Interconnected Transmission Owner and Transmission Provider all rights, duties, and obligations of Interconnection Customer arising under this Subpart. However, any assignment described herein shall not relieve or discharge the Interconnection Customer from any of its obligations hereunder absent the written consent of the Transmission Provider, such consent not to be unreasonably withheld, conditioned or delayed.

**62.2.2 Assignment to Lenders.** Interconnection Customer may, without the consent of the Transmission Provider or the Interconnected Transmission Owner, assign the Interconnection Service Agreement to any Project Finance Entity(ies), provided that such assignment does not alter or diminish Interconnection Customer's duties and obligations under this Subpart or the Interconnection Service Agreement. If Interconnection Customer provides the Interconnected Transmission Owner with notice of an assignment to any Project Finance Entity(ies) and identifies such Project Finance Entities as contacts for notice purposes pursuant to Section 71 of this Subpart, the Transmission Provider or Interconnected Transmission Owner shall provide notice and reasonable opportunity for such entity(ies) to cure any Breach under this Subpart in accordance with this Subpart. Transmission Provider or Interconnected Transmission Owner shall, if requested by such lenders, provide such customary and reasonable documents, including consents to assignment, as may be reasonably requested with respect to the assignment and status of the Interconnection Service Agreement, provided that such documents do not alter or diminish the rights of the Transmission Provider or Interconnected Transmission Owner under this Subpart, except with respect to providing notice of Breach to a Project Finance Entity. Upon presentation of the Transmission Provider and/or the Interconnected Transmission Owner's invoice therefor, Interconnection Customer shall pay the Transmission Provider and/or the Interconnected Transmission Owner's reasonable documented cost of providing such documents and certificates. Any assignment described herein shall not relieve or discharge the Interconnection Customer from any of its obligations hereunder absent the written consent of the Interconnected Transmission Owner and Transmission Provider.

**62.3 Successors and Assigns.** This Subpart and all of its provisions are binding upon, and inure to the benefit of, the Interconnection Parties and their respective successors and permitted assigns.

## 63 Insurance

**63.1 Required Coverages:** Each Interconnected Entity shall maintain insurance as described in paragraphs A through E below. All insurance shall be procured from insurance companies rated “A-” or better by AM Best and authorized to do business in a state or states in which the Interconnection Facilities are located. Failure to maintain required insurance shall be a Breach of the Interconnection Service Agreement.

- A. Workers Compensation insurance with statutory limits, as required by the state and/or jurisdiction in which the work is to be performed, and employer’s liability insurance with limits of not less than one million dollars (\$1,000,000.00).
- B. Commercial General Liability Insurance including coverage for premises, contractual liability, products/completed operations, personal injury, independent contractors, broad form property damage coverage and coverage for the explosion, collapse and underground hazard (XCU), with minimum limits of one million dollars (\$1,000,000.00) per occurrence for bodily injury and property damage, two million dollars (\$2,000,000.00) per occurrence for products/completed operations and two million dollars (\$2,000,000.00) in the general aggregate.
- C. Automobile Liability Insurance for owned, non-owned, and hired vehicles used in performing services under this Subpart with minimum limits of not less than one million dollars (\$1,000,000.00) per occurrence for bodily injury and property damage.
- D. Excess/Umbrella Liability Insurance with a limit of liability of not less than twenty million dollars (\$20,000,000.00) per occurrence. These limits apply in excess of the employer’s liability, commercial general liability and automobile liability coverages described above.
- E. Professional Liability Insurance providing errors, omissions and/or malpractice coverage in the amount of five million (\$5,000,000) per occurrence/aggregate with an extended reporting period of at least one year. Coverage shall be provided for the Interconnected Entity’s duties, responsibilities and performance outlined in this subpart, the Interconnection Service Agreement, and if applicable, the Construction Service Agreement.

**63.2 Additional Insureds:** The Commercial General Liability, Automobile Liability and Excess/Umbrella Liability policies procured by each Interconnected Entity (the “Insuring Interconnected Entity”) shall include each other Interconnection Party (the “Insured Interconnection Party”), and its respective officers, agents and employees as additional insureds, providing all standard coverages and covering

liability of the Insured Interconnection Party arising out of bodily injury and/or property damage (including loss of use) in any way connected with the operations, performance, or lack of performance under this Subpart and/or the Interconnection Service Agreement.

**63.3 Other Required Terms:** The above-mentioned insurance policies (except workers' compensation) shall provide the following:

- A. Be primary to any other insurance carried by the Insured Interconnection Party.
- B. Contain standard cross-liability provisions.
- C. Provide for a waiver of all rights of subrogation which the Insuring Interconnected Entity's insurance carrier might exercise against the Insured Interconnection Party.

**63.4 Self-Insurance.** At its option, either Interconnected Entity may, with adequate credit assurance in conformance with standard electric industry practices provided to the other Interconnected Entity and Transmission Provider, self-insure all or part of its insurance obligations under this Subpart. An Interconnected Entity's election to self-insure shall not in any manner result in a reduction of rights and/or benefits otherwise available to the other Interconnected Entity through formal insurance policies and endorsements customary in the electric utility industry.

**63.5 Notices; Certificates of Insurance.** All policies of insurance shall provide for thirty days prior written notice of cancellation or material adverse change. Each Interconnected Entity shall provide the other with certificates of insurance prior to Initial Operation of the Customer Facility and thereafter at such time intervals as they shall mutually agree upon, provided that such interval shall not be less than one year. All certificates of insurance shall indicate that the certificate holder is included as an additional insured under the Commercial General Liability, Automobile liability and Excess/Umbrella liability coverages, and that this insurance is primary with a waiver of subrogation included.

**63.6 Subcontractor Insurance:** In accord with Good Utility Practice, each Interconnected Entity shall require each of its subcontractors to maintain and provide evidence of insurance coverage of types, and in amounts, commensurate with the risks associated with the services provided by the subcontractor. Bonding of contractors or subcontractors shall be at the hiring Interconnected Entity's discretion, but regardless of bonding, the hiring principal shall be responsible for the performance or non-performance of any contractor or subcontractor it hires.

**64.1 Indemnity.** Each Interconnection Party shall indemnify and hold harmless the other Interconnection Parties, and the other Interconnection Parties' officers, shareholders, stakeholders, members, managers, representatives, directors, agents and employees, and Affiliates, from and against any and all loss, liability, damage, cost or expense to third parties, including damage and liability for bodily injury to or death of persons, or damage to property or persons (including reasonable attorneys' fees and expenses, litigation costs, consultant fees, investigation fees, sums paid in settlements of claims, penalties or fines imposed under Applicable Laws and Regulations, and any such fees and expenses incurred in enforcing this indemnity or collecting any sums due hereunder) (collectively, "Loss") to the extent arising out of, in connection with, or resulting from (i) the indemnifying Interconnection Party's breach of any of the representations or warranties made in, or failure of the indemnifying Interconnection Party or any of its subcontractors to perform any of its obligations under, this Subpart and /or the Interconnection Service Agreement, or (ii) the negligence or willful misconduct of the indemnifying Interconnection Party or its contractors; provided, however, that no Interconnection Party shall have any indemnification obligations under this Section 64.1 in respect of any Loss to the extent the Loss results from the negligence or willful misconduct of the Interconnection Party seeking indemnity.

**64.2 Indemnity Procedures.** Promptly after receipt by a Person entitled to indemnity ("Indemnified Person") 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 Section 64.1 may apply, the Indemnified Person shall notify the indemnifying Interconnection Party of such fact. Any failure of or delay in such notification shall not affect an Interconnection Party's indemnification obligation unless such failure or delay is materially prejudicial to the indemnifying Interconnection Party. The Indemnified Person shall cooperate with the indemnifying Interconnection Party with respect to the matter for which indemnification is claimed. The indemnifying Interconnection Party shall have the right to assume the defense thereof with counsel designated by such indemnifying Interconnection Party and reasonably satisfactory to the Indemnified Person. If the defendants in any such action include one or more Indemnified Persons and the indemnifying Interconnection Party and if the Indemnified Person reasonably concludes that there may be legal defenses available to it and/or other Indemnified Persons which are different from or additional to those available to the indemnifying Interconnection Party, the Indemnified Person 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 Interconnection Party shall only be required to pay the fees and expenses of one additional attorney to represent an Indemnified Person or Indemnified Persons having such differing or additional legal defenses. The Indemnified Person shall be entitled, at its expense, to participate in any action, suit or proceeding, the defense of which has been assumed by the indemnifying Interconnection Party.



Notwithstanding the foregoing, the indemnifying Interconnection 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 Person and its counsel, such action, suit or proceeding involves the potential imposition of criminal liability on the Indemnified Person, or there exists a conflict or adversity of interest between the Indemnified Person and the indemnifying Interconnection Party, in such event the indemnifying Interconnection Party shall pay the reasonable expenses of the Indemnified Person, 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 Person, which shall not be unreasonably withheld, conditioned or delayed.

- 64.3 Indemnified Person.** If an Indemnified Person is entitled to indemnification under this Section 64 as a result of a claim by a third party, and the indemnifying Interconnection Party fails, after notice and reasonable opportunity to proceed under Section 64.2, to assume the defense of such claim, such Indemnified Person may at the expense of the indemnifying Interconnection Party contest, settle or consent to the entry of any judgment with respect to, or pay in full, such claim.
- 64.4 Amount Owed.** If an indemnifying Interconnection Party is obligated to indemnify and hold any Indemnified Person harmless under this Section 64, the amount owing to the Indemnified Person shall be the amount of such Indemnified Person's actual Loss, net of any insurance or other recovery.
- 64.5 Limitation on Damages.** Except as otherwise provided in this Section 64, the liability of an Interconnection Party under this Subpart E shall be limited to direct actual damages, and all other damages at law are waived. Under no circumstances shall any Interconnection Party or its Affiliates, directors, officers, employees and agents, or any of them, be liable to another Interconnection Party, whether in tort, contract or other basis in law or equity for any special, indirect, punitive, exemplary or consequential damages, including lost profits. The limitations on damages specified in this Section 64.5 are without regard to the cause or causes related thereto, including the negligence of any Interconnection Party, whether such negligence be sole, joint or concurrent, or active or passive. This limitation on damages shall not affect any Interconnection Party's rights to obtain equitable relief as otherwise provided in this Subpart. The provisions of this Section 64.5 shall survive the termination or expiration of the Interconnection Service Agreement.
- 64.6 Limitation of Liability in Event of Breach.** An Interconnection Party ("Breaching Party") shall have no liability hereunder to the other Interconnection Parties, and the other Interconnection Parties hereby release the Breaching Party, for all claims or damages that either of them incurs that are associated with any interruption in the availability of the Customer Facility, Interconnection Facilities, Transmission System or Interconnection Service or damages to an Interconnection Party's facilities, except to the extent such interruption or damage is caused by the

Breaching Party's gross negligence or willful misconduct in the performance of its obligations under this Subpart of the Tariff or the Interconnection Service Agreement.

**64.7 Limited Liability in Emergency Conditions.** Except as otherwise provided in the Tariff or the Operating Agreement, no Interconnection Party shall be liable to any other Interconnection Party for any action that it takes in responding to an Emergency Condition, so long as such action is made in good faith, is consistent with Good Utility Practice and is not contrary to the directives of the Transmission Provider or of the Interconnected Transmission Owner with respect to such Emergency Condition. Notwithstanding the above, Interconnection Customer shall be liable in the event that it fails to comply with any instructions of Transmission Provider or the Interconnected Transmission Owner related to an Emergency Condition.

## **65 Breach, Cure And Default**

**65.1 Breach.** A Breach of this Subpart and the Interconnection Service Agreement shall include:

- (a) The failure to pay any amount when due;
- (b) The failure to comply with any material term or condition of this Subpart, including but not limited to any material breach of a representation, warranty or covenant (other than in subsections (a) and (c)-(e) of this Section) made in this Subpart;
- (c) Assignment of the Interconnection Service Agreement in a manner inconsistent with its terms;
- (d) Failure of an Interconnection Party to provide access rights, or an Interconnection Party's attempt to revoke or terminate access rights, that are provided under this Subpart; or
- (e) Failure of an Interconnection Party to provide information or data required to be provided under this Subpart E to another Interconnection Party for such other Interconnection Party to satisfy its obligations under this Subpart.

**65.2 Continued Operation.** In the event of a Breach or Default by either Interconnected Entity, and subject to termination of the Interconnection Service Agreement under Section 66 of this Subpart, the Interconnected Entities shall continue to operate and maintain, as applicable, such DC power systems, protection and Metering Equipment, telemetering equipment, SCADA equipment, transformers, Secondary Systems, communications equipment, building facilities, software, documentation, structural components, and other facilities and

appurtenances that are reasonably necessary for Transmission Provider and the Interconnected Transmission Owner to operate and maintain the Transmission System and the Transmission Owner Interconnection Facilities and for Interconnection Customer to operate and maintain the Customer Facility and the Customer Interconnection Facilities, in a safe and reliable manner.

**65.3 Notice of Breach.** An Interconnection Party not in Breach shall give written notice of an event of Breach to the Breaching Party, to Transmission Provider and to other persons that the Breaching Party identifies in writing to the other Interconnection Party in advance. Such notice shall set forth, in reasonable detail, the nature of the Breach, and where known and applicable, the steps necessary to cure such Breach. In the event of a Breach by Interconnection Customer, Transmission Provider and the Interconnected Transmission Owner agree to provide notice of such Breach, at the same time and in the same manner as its notice to Interconnection Customer, to any Project Finance Entity provided that the Interconnection Customer has provided the notifying Interconnection Party with notice of an assignment to such Project Finance Entity(ies) and identifies such Project Finance Entity(ies) as contacts for notice purposes pursuant to Section 71 of Subpart E.

**65.4 Cure and Default.** An Interconnection Party that commits a Breach and does not take steps to cure the Breach pursuant to this Section 65.4 is in Default of this Subpart and of the Interconnection Service Agreement.

**65.4.1 Cure of Breach.** Except for the event of Breach set forth in Section 65.1(a) above, the Breaching Interconnection Party (a) may cure the Breach within thirty days from the receipt of such notice; or (b) if the Breach cannot be cured within thirty (30) days, may commence in good faith all steps that are reasonable and appropriate to cure the Breach within such thirty day time period and thereafter diligently pursue such action to completion. In an event of Breach set forth in Section 65.1(a), the Breaching Interconnection Party may cure the Breach within five (5) days from the receipt of notice of the Breach.

**65.5 Right to Compel Performance.** Notwithstanding the foregoing, upon the occurrence of an event of Default, a non-Defaulting Interconnection Party shall be entitled to (a) commence an action to require the Defaulting Interconnection Party to remedy such Default and specifically perform its duties and obligations hereunder in accordance with the terms and conditions hereof, (b) withhold payments, (c) suspend performance hereunder, and (d) exercise such other rights and remedies as it may have in equity or at law; provided, however, that the Transmission Provider shall not terminate the Interconnection Service Agreement due to the failure of Interconnection Customer to make a payment hereunder unless such failure could reasonably be expected to have a material adverse effect on the Interconnected Transmission Owner.

**65.6 Remedies Cumulative.** Subject to Section 70.1, no remedy conferred by any provision of this Subpart is intended to existing at law or in equity or by statute or otherwise. The election be exclusive of any other remedy and each and every remedy shall be cumulative and shall be in addition to every other remedy given hereunder or now or hereafter of any one or more remedies shall not constitute a waiver of the right to pursue other available remedies.

## **66 Termination**

**66.1 Termination.** The Interconnection Service Agreement and Interconnection Service under this Subpart may be terminated by the following means:

**66.1.1 By Mutual Consent.** Interconnection Service may be terminated as of the date on which the Interconnection Parties mutually agree to terminate the Interconnection Service Agreement.

**66.1.2 By Interconnection Customer.** Interconnection Customer may unilaterally terminate the Interconnection Service Agreement pursuant to Applicable Laws and Regulations upon providing Transmission Provider and the Interconnected Transmission Owner sixty (60) days prior written notice thereof, provided that Interconnection Customer is not then in Default under this Subpart or the Interconnection Service Agreement.

**66.1.3 Upon Default of Interconnection Customer.** Transmission Provider may terminate the Interconnection Service Agreement upon the Default of Interconnection Customer of its obligations under this Subpart or the Interconnection Service Agreement; provided, however, that Transmission Provider shall not terminate the Interconnection Service Agreement due to the failure of Interconnection Customer to make a payment hereunder unless such failure could reasonably be expected to have a material adverse effect on the Interconnected Transmission Owner.

## **66.2 Disposition of Facilities Upon Termination.**

**66.2.1 Disconnection.** Upon termination of the Interconnection Service Agreement in accordance with this Section 66, Transmission Provider and/or the Interconnected Transmission Owner shall, in coordination with Interconnection Customer, physically disconnect the Customer Facility from the Transmission System, except to the extent otherwise allowed by this Subpart.

**66.2.2 Network Facilities.** At the time of termination, the Transmission Provider and the Interconnected Entities shall keep in place any portion of the Interconnection Facilities and/or of any Merchant Network Upgrades that the Transmission Provider deems necessary for the safety, integrity and/or reliability of the Transmission System. Otherwise, Transmission Provider

may, in its discretion, within 30 days following termination of Interconnection Service, require the removal of all or any part of the Interconnection Facilities or of any Merchant Network Upgrades.

**66.2.2.1** In the event that (i) the Interconnection Service Agreement and Interconnection Service under this Subpart are terminated and (ii) Transmission Provider determines that some or all of the Interconnection Facilities or of any Merchant Network Upgrades that are owned by the Interconnection Customer are necessary for the safety, integrity and/or reliability of the Transmission System, Interconnection Customer, subject to Applicable Laws and Regulations, shall transfer to the Interconnected Transmission Owner title to the Interconnection Facilities or Merchant Network Upgrades that Transmission Provider has determined to be necessary for the safety, integrity and/or reliability of the Transmission System.

**66.2.2.2** In the event that removal of some or all of the Interconnection Facilities or any Merchant Network Upgrades is necessary to maintain compliance with Applicable Standards, Interconnection Customer shall be responsible for the costs of any such removal. Interconnection Customer shall have the right to take or retain title to equipment and/or facilities that are removed pursuant to this section; alternatively, in the event that the Interconnection Customer does not wish to retain title to removed equipment and/or facilities that it owns, the Interconnected Transmission Owner may elect to pay the Interconnection Customer a mutually agreed amount to acquire and own such equipment and/or facilities.

**66.2.3 Request for Disposition Determination.** Interconnection Customer may request a determination from the Transmission Provider whether any Interconnection Facilities or any Merchant Network Upgrades will be removed in the event of any termination of Interconnection Service to the Customer Facility within the following year. Transmission Provider shall respond to that request no later than sixty (60) days after receipt.

**66.3 FERC Approval.** Notwithstanding any other provision of this Subpart, no termination hereunder shall become effective until the Interconnected Entities and/or Transmission Provider have complied with all Applicable Laws and Regulations applicable to such termination, including the filing with the FERC of a notice of termination of the Interconnection Service Agreement, and acceptance of such notice for filing by the FERC.

**66.4 Survival of Rights.** Termination of the Interconnection Service Agreement shall not relieve any Interconnection Party of any of its liabilities and obligations

arising under this Subpart or the Interconnection Service Agreement prior to the date on which termination becomes effective, and each Interconnection Party may take whatever judicial or administrative actions it deems desirable or necessary to enforce its rights hereunder. Applicable provisions of this Subpart will continue in effect after termination to the extent necessary to provide for final billings, billing adjustments, and the determination and enforcement of liability and indemnification obligations arising from events or acts that occurred while the Interconnection Service Agreement was in effect.

## **67 Confidentiality**

- 67.1 Scope.** Confidential Information shall not include information that the receiving Interconnection Party can demonstrate (i) is generally available to the public other than as a result of a disclosure by the receiving Interconnection Party; (ii) was lawfully available to the receiving Interconnection Party on a non-confidential basis before receiving it from the disclosing Interconnection Party; (iii) was supplied to the receiving Interconnection Party without restriction by a third party, who, to the knowledge of the receiving Interconnection Party, after due inquiry, was under no obligation to the other Interconnection Party to keep such information confidential; (iv) was independently developed by the receiving Interconnection Party without reference to Confidential Information of the disclosing Interconnection Party; (v) is, or becomes, publicly known, through no wrongful act or omission of the receiving Interconnection Party or breach of this Subpart; or (vi) is required, in accordance with Section 67.6 of this Subpart, to be disclosed to any Governmental Authority as long as such information is made available to the public, is otherwise required to be disclosed by Applicable Laws and Regulations or subpoena, or is necessary in any legal proceeding establishing rights and obligations under this Subpart. Information designated as Confidential Information shall no longer be deemed confidential if the Interconnection Party that designated the information as confidential notifies the other Interconnection Parties that it no longer is confidential.
- 67.2 Duration of Obligations.** During the term of the Interconnection Service Agreement, and for a period of three (3) years after the expiration or termination of the Interconnection Service Agreement, except as otherwise provided in this Section 67, each Interconnection Party shall hold in confidence, and shall not disclose to any person, Confidential Information provided to it by any other Interconnection Party.
- 67.3 Use of Confidential Information.** An Interconnection Party shall not use Confidential Information of any other Interconnection Party for any purpose other than to fulfill its obligations under this Subpart and the Interconnection Service Agreement or to comply with Applicable Laws and Regulations. No Interconnection Party shall release or disclose Confidential Information to any other person, except to its employees, representatives, or agents on a need-to-know basis (and only after advising such persons of the confidentiality provisions of this

Section 67 and obtaining their agreement to comply with such provisions), unless compelled to disclose by judicial or administrative process or Applicable Laws and Regulations. Notwithstanding the foregoing, an Interconnection Party providing Confidential Information of any other Interconnection Party to any person pursuant to this Section 67.3 shall remain primarily responsible for any release of Confidential Information in contravention of this Section 67.

- 67.4 Standard of Care.** Each Interconnection Party shall use at least the same standard of care to protect Confidential Information of each other Interconnection Party as the Interconnection Party uses to protect its own Confidential Information from unauthorized disclosure, publication or dissemination.
- 67.5 Rights.** Each Interconnection Party retains all rights, title, and interest in the Confidential Information that it discloses to any other Interconnection Party. An Interconnection Party's disclosure to another Interconnection Party of Confidential Information shall not be deemed a waiver by any Interconnection Party or any other person or entity of the right to protect the Confidential Information from public disclosure.
- 67.6 Order of Disclosure.** If a Governmental Authority with the right, power, and apparent authority to do so requests or requires an Interconnection Party, by subpoena, oral deposition, interrogatories, requests for production of documents, data request, administrative order, or otherwise, to disclose Confidential Information, that Interconnection Party shall provide the Interconnection Party that provided the information with prompt prior written notice to the extent possible of such request(s) or requirement(s) so that the providing Interconnection Party may seek an appropriate protective order or agreement, or waive compliance with the terms of this Subpart. Notwithstanding the absence of a protective order or agreement, or waiver, the Interconnection Party that is subjected to the request or order may disclose such Confidential Information which, in the opinion of its counsel, the Interconnection Party is legally compelled to disclose. Each Interconnection Party shall use Reasonable Efforts to obtain reliable assurance that confidential treatment will be accorded any Confidential Information so furnished.
- 67.7 Remedies.** The Interconnection Parties expressly agree that monetary damages would be inadequate to compensate an Interconnection Party for another Interconnection Party's Breach of its obligations under this Section 67. Each Interconnection Party accordingly expressly agrees that the other Interconnection Parties shall be entitled to equitable relief, by way of injunction or otherwise, if the first Interconnection Party breaches or threatens to breach its obligations under this Section 67, which equitable relief shall be granted without bond or proof of injury, and the receiving Interconnection Party shall not plead in defense that there would be an adequate remedy at law. Such remedy shall not be deemed to be an exclusive remedy for the breach of this Section 67, but shall be in addition to all other remedies available at law or in equity. The Interconnection 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 Interconnection 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 Section 67.

**67.8 Return or Destruction of Confidential Information.** If an Interconnection Party provides any Confidential Information to another Interconnection Party in the course of an audit or inspection, the providing Interconnection Party may request the other party to return or destroy such Confidential Information after the termination of the audit period and the resolution of all matters relating to that audit. Each Interconnection Party shall make Reasonable Efforts to comply with any such requests for return or destruction within ten days of receiving the request and shall certify in writing to the other Interconnection Party that it has complied with such request.

**67.9 Upon Termination of Interconnection Service.** Upon termination of the Interconnection Service Agreement for any reason, each Interconnection Party shall, at the party's option, within ten (10) days after receipt of a written request from the other party, use Reasonable Efforts to destroy, erase, or delete (with such destruction, erasure and deletion certified in writing to the other party) or to return to the other party, without retaining copies thereof, any and all written or electronic Confidential Information received from the other party.

## **68 Subcontractors**

**68.1 Use of Subcontractors.** Nothing in this Subpart shall prevent the Interconnection Parties from utilizing the services of subcontractors as they deem appropriate to perform their respective obligations hereunder, provided, however, that each Interconnection Party shall require its subcontractors to comply with all applicable terms and conditions of this Subpart in providing such services.

**68.2 Responsibility of Principal.** The creation of any subcontract relationship shall not relieve the hiring Interconnection Party of any of its obligations under this Subpart. Each Interconnection Party shall be fully responsible to the other Interconnection Parties for the acts and/or omissions of any subcontractor it hires as if no subcontract had been made.

**68.3 Indemnification by Subcontractors.** To the fullest extent permitted by law, an Interconnection Party that uses a subcontractor to carry out any of the Interconnection Party's obligations under this Subpart shall require each of its subcontractors to indemnify, hold harmless and defend each other Interconnection Party, its representatives and assigns from and against any and all claims and/or liability for damage to property, injury to or death of any person, including the employees of any Interconnection Party or of any Affiliate of any Interconnection Party, or any other liability incurred by the other Interconnection Party or any of its Affiliates, including all expenses, legal or otherwise, to the extent caused by any



act or omission, negligent or otherwise, by such subcontractor and/or its officers, directors, employees, agents and assigns, that arises out of or is connected with the operation of the facilities of either Interconnected Entity described in this Subpart; provided, however, that no Interconnection Party or Affiliate thereof shall be entitled to indemnity under this Section 68.3 in respect of any injury, loss, or damage to the extent that such loss, injury, or damage results from the negligence or willful misconduct of the Interconnection Party or Affiliate seeking indemnity.

**68.4 Subcontractors Not Beneficiaries.** No subcontractor is intended to be, or shall be deemed to be, a third-party beneficiary of an Interconnection Service Agreement.

## **69 Information Access And Audit Rights**

**69.1 Information Access.** Consistent with Applicable Laws and Regulations, each Interconnection Party shall make available such information and/or documents reasonably requested by another Interconnection Party that are necessary to (i) verify the costs incurred by the other Interconnection Party for which the requesting Interconnection Party is responsible under this Subpart and (ii) carry out obligations and responsibilities under this Subpart, provided that the Interconnection Parties shall not use such information for purposes other than those set forth in this Section 69.1 and to enforce their rights under this Subpart.

**69.2 Reporting of Non-Force Majeure Events.** Each Interconnection Party shall notify the other Interconnection Parties when it becomes aware of its inability to comply with the provisions of this Subpart for a reason other than Force Majeure. The parties agree to cooperate with each other and provide necessary information regarding such inability to comply, including, but not limited to, 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 Section shall not entitle the receiving Interconnection Party to allege a cause of action for anticipatory breach of the Interconnection Service Agreement.

**69.3 Audit Rights.** Subject to the requirements of confidentiality under Section 67 of this Subpart, each Interconnection Party shall have the right, during normal business hours, and upon prior reasonable notice to the pertinent other Interconnection Party, to audit at its own expense the other Interconnection Party's accounts and records pertaining to such Interconnection Party's performance and/or satisfaction of obligations arising under this Subpart. Any audit authorized by this Section 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 obligations under this Subpart. Any request for audit shall be presented to the Interconnection Party to be audited not later than twenty-four months after the event as to which the audit is sought. Each Interconnection Party shall preserve all records held by it for the duration of the audit period.

## **70 Disputes**

**70.1 Submission.** Any claim or dispute that any Interconnection Party may have against another arising out of this Subpart E or the Interconnection Service Agreement may be submitted for resolution in accordance with the dispute resolution provisions of the Tariff.

**70.2 Rights Under The Federal Power Act.** Nothing in this Section shall restrict the rights of any Interconnection Party to file a complaint with FERC under relevant provisions of the Federal Power Act.

**70.3 Equitable Remedies.** Nothing in this Section shall prevent any Interconnection Party from pursuing or seeking any equitable remedy available to it under Applicable Laws and Regulations.

## **71 Notices**

**71.1 General.** Any notice, demand or request required or permitted to be given by any Interconnection Party to another and any instrument required or permitted to be tendered or delivered by any Interconnection Party in writing to another 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 Interconnection Party, or personally delivered to the Interconnection Party, at the address specified in the Interconnection Service Agreement. Such notices, if agreed to by the Interconnection Parties, may be made via electronic means, with e-mail confirmation of delivery.

**71.2 Emergency Notices.** Moreover, notwithstanding the foregoing, any notice hereunder concerning an Emergency Condition or other occurrence requiring prompt attention, or as necessary during day-to-day operations, may be made by telephone or in person, provided that such notice is confirmed in writing promptly thereafter. Notice in an Emergency Condition, or as necessary during day-to-day operations, shall be provided (i) if by the Interconnected Transmission Owner, to the shift supervisor at, as applicable, a Generation Interconnection Customer's Customer Facility or a Transmission Interconnection Customer's control center; and (ii) if by the Interconnection Customer, to the shift supervisor at the Interconnected Transmission Owner's transmission control center.

**71.3 Operational Contacts.** Each Interconnection Party shall designate, and provide to each other Interconnection Party contact information concerning, a representative to be responsible for addressing and resolving operational issues as they arise during the term of the Interconnection Service Agreement.

## **72 Miscellaneous**

- 72.1 Regulatory Filing.** Transmission Provider shall file the Interconnection Service Agreement on behalf of itself and the Interconnected Transmission Owner and any amendments to such agreement(s) with FERC as a service schedule under Part IV, Subpart E of the Tariff within thirty days after execution. An Interconnection Customer shall have the right, with respect to any Interconnection Service Agreement tendered to it, to request (a) dispute resolution under Section 12 of the Tariff or, if concerning the Regional Transmission Expansion Plan, consistent with Schedule 5 of the Operating Agreement, or (b) that Transmission Provider file the agreement unexecuted with the Commission. With the filing of any unexecuted Interconnection Service Agreement, Transmission Provider may, in its discretion, propose to FERC a resolution of any or all of the issues in dispute between or among the Interconnection Parties.
- 72.2 Waiver.** Any waiver at any time by an Interconnection Party of its rights with respect to a Breach or Default under this Subpart, or with respect to any other matters arising in connection with this Subpart, shall not be deemed a waiver or continuing waiver with respect to any subsequent Breach or Default or other matter.
- 72.3 Amendments and Rights Under the Federal Power Act.** The Interconnection Service Agreement may be amended or supplemented only by a written instrument duly executed by all Interconnection Parties. An amendment to the Interconnection Service Agreement shall become effective and a part of the Interconnection Service Agreement upon satisfaction of all Applicable Laws and Regulations. Notwithstanding the foregoing, nothing contained in the Interconnection Service Agreement shall be construed as affecting in any way any of the rights of any Interconnection Party with respect to changes in applicable rates or charges under Section 205 of the Federal Power Act and/or FERC's rules and regulations thereunder, or any of the rights of any Interconnection Party under Section 206 of the Federal Power Act and/or FERC's rules and regulations thereunder. The terms and conditions of this Subpart, the Interconnection Service Agreement and every appendix referred to therein shall be amended, as mutually agreed by the Interconnection Parties, to comply with changes or alterations made necessary by a valid applicable order of any Governmental Authority having jurisdiction hereof.
- 72.4 Binding Effect.** The Interconnection Service Agreement and this Subpart E and the rights and obligations thereunder shall be binding upon, and shall inure to the benefit of, the successors and assigns of the Interconnection Parties.
- 72.5 Regulatory Requirements.** Each Interconnection Party's performance of any obligation under this Subpart E for which such party requires approval or authorization of any Governmental Authority shall be subject to its receipt of such required approval or authorization in the form and substance satisfactory to the receiving Interconnection Party, or the Interconnection Party making any required

filings with, or providing notice to, such Governmental Authorities, and the expiration of any time period associated therewith. Each Interconnection Party shall in good faith seek, and shall use Reasonable Efforts to obtain, such required authorizations or approvals as soon as reasonably practicable.

## **73      Representations And Warranties**

**73.1      General.** Each Interconnected Entity hereby represents, warrants and covenants as follows with these representations, warranties, and covenants effective as to the Interconnected Entity during the time the Interconnection Service Agreement is effective:

**73.1.1      Good Standing.** Such Interconnected Entity is duly organized or formed, as applicable, validly existing and in good standing under the laws of its State of organization or formation, and is in good standing under the laws of the respective State(s) in which it is incorporated and operates as stated in the Interconnection Service Agreement.

**73.1.2      Authority.** Such Interconnected Entity has the right, power and authority to enter into the Interconnection Service Agreement, to become a party hereto and to perform its obligations hereunder. The Interconnection Service Agreement is a legal, valid and binding obligation of such Interconnected Entity, enforceable against such Interconnected Entity 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).

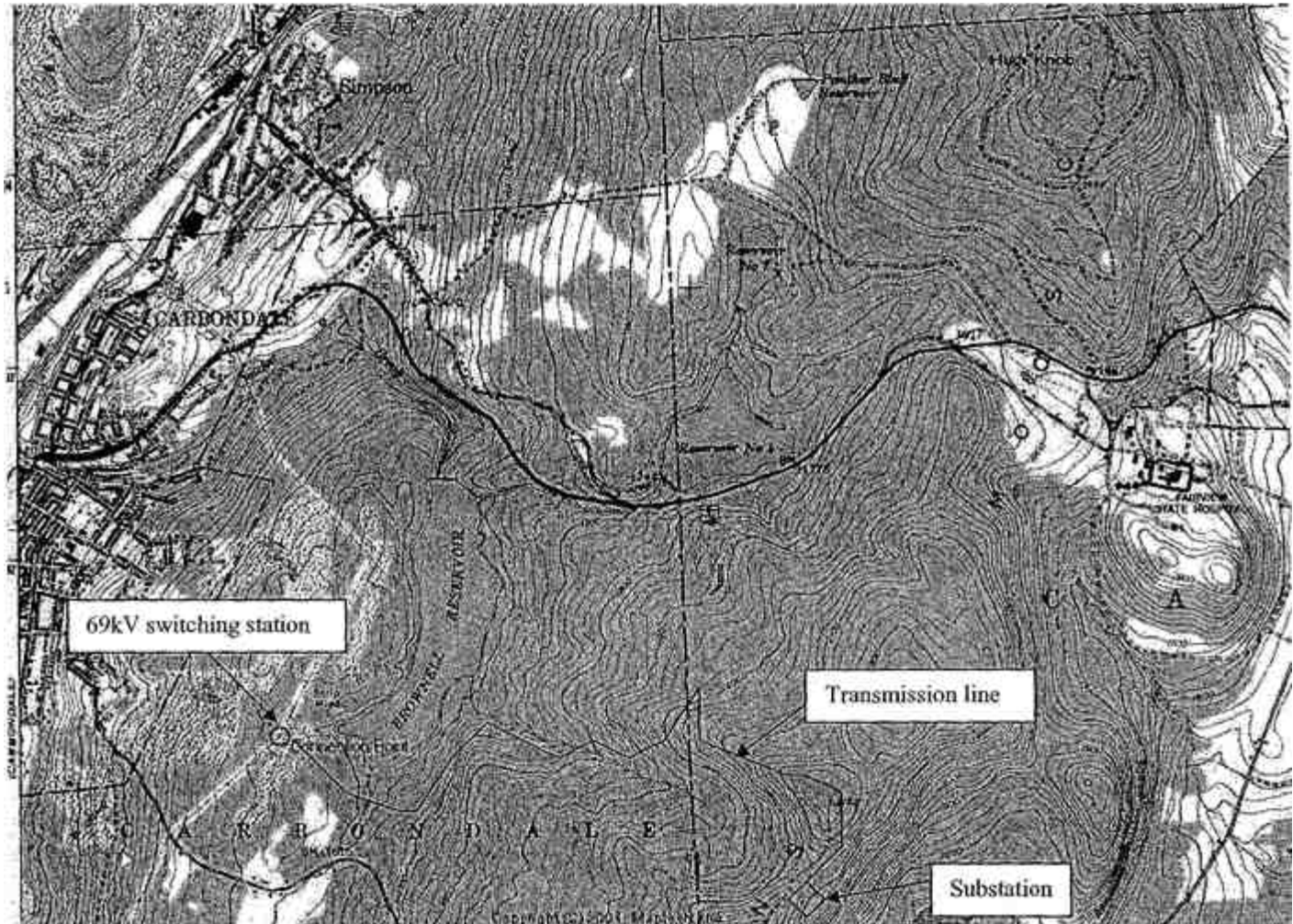
**73.1.3      No Conflict.** The execution, delivery and performance of the Interconnection Service Agreement does not violate or conflict with the organizational or formation documents, or bylaws or operating agreement, of the Interconnected Entity, or with any judgment, license, permit, order, material agreement or instrument applicable to or binding upon the Interconnected Entity or any of its assets.

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



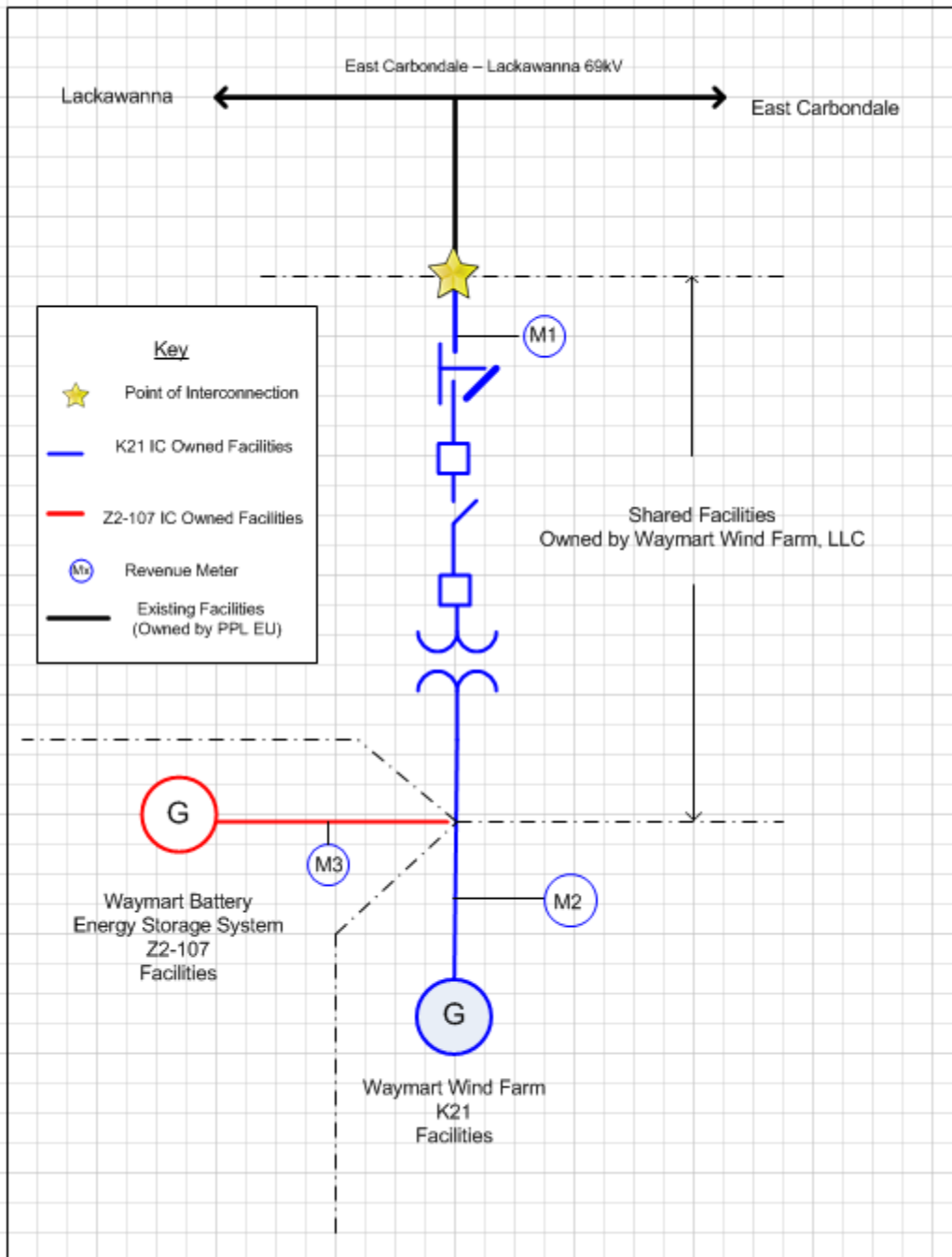
## Schedule A

### Facility Location Site Plan



## Schedule B

### Simplified One Line Diagram







## **Schedule C**

### **List of Facilities**

#### **Interconnection Customer Workslope:**

1. The Interconnection Customer will design and construct all facilities at the Customer's 34.5kV collector substation site and transformation to 69kV.
2. The Interconnection Customer will design and construct an approximately 2.0 mile 69kV transmission line between the collector substation site and the point where the line will interconnect with the PPL 69kV line in the vicinity of structure 61999N51649.
3. Install a 69kV circuit breaker and disconnect switch at the point of interconnection.

#### **Interconnected Transmission Owner Workslope:**

PPL Electric Utilities will install the following at Interconnection Customer's expense:

1. A 1.6 mile 69kV line from the connection with the East Carbondale-Lackawanna line to the point of interconnection with the developer's 69kV line in the vicinity of structure 61999N51649 at an estimated cost of **\$1,264,700**.
2. Modifications to Lackawanna Substation, including a means for remote trip of the generating facility, at an estimated cost of **\$208,910**.
3. Construct a temporary connection to the PPL EU East Carbondale-Peckville 69kV circuit at an estimated cost of \$50,000.  
To accommodate the temporary attachment PPL EU will set certain relay elements in the IPR system to limit the Interconnection Customer's output to 45 MVA. The IPR cabinet at the intertie substation must be functional, tested and accepted by PPL EU prior to energization of the Interconnection Customer's facility. The temporary attachment will be removed when the permanent connection is established. An outage estimated at 3 to 5 days will be required to transfer the Interconnection Customer's facility from the temporary connection to the permanent connection.

## **Schedule D**

### **List of Metering Equipment**

Metering Equipment to be supplied by PPL Electric Utilities, at Interconnection Customer expense, includes the following:

1. CT's and PT's will be Trench type NS
2. Meter will be Landis and Gyr type MAXsys 2510

Metering equipment to be owned, operated, tested and maintained by the Interconnection Customer at the Interconnection customer's expense.

The following additional Metering Equipment requirements shall apply:

- All Metering Equipment and its associated metering data and data submission shall satisfy the requirements set forth in PJM Manuals M-01, M14B and M14D and with section 58 of Appendix 2 to this ISA.
- All meters shall be revenue quality Metering Equipment and shall satisfy applicable ANSI standards and PJM's metering standards and requirements.
- Meter M1 shall be the primary revenue meter for settlement purposes. The primary revenue meter will provide "Revenue Metering (KWH, KVARH)" and real time data (KW, KVAR), which will represent the total metering data for the Waymart Wind Customer Facility and the Waymart Storage, LLC ("Waymart Storage") Customer Facility combined.
- Meter M2 identified in Schedule B of this ISA shall be the primary meter for measuring the Interconnection Customer's prorated revenue related to metering data for the Waymart Wind Customer Facility.

Interconnection Customer shall:

- Own, install and maintain the Metering Equipment at the point designated in Schedule B as Meter M1;
- Own and maintain Meter M2, which is to be installed by Waymart Storage;
- Submit all real power and reactive power generation data to Transmission Provider from Meter M1;
- Submit prorated revenue related metering data for the Waymart Wind Customer Facility for settlement purposes to Transmission Provider.
- The sum of revenue related metering data submitted by Waymart Wind and Waymart Storage relating to the Waymart Wind Customer Facility and Waymart Storage Customer Facility respectively, shall equal the total meter reading of Meter M1 for the same period. The procedures for prorating revenue related metering data from Revenue Meter M1 shall be defined in a separate agreement between Waymart Wind and Waymart Storage.

Payments by Transmission Provider to Interconnection Customer shall be based on submitted data for settlement purposes by Interconnection Customer.

Interconnection Customer is solely responsible for the accuracy of data submission for settlement purposes to Transmission Provider.

Any discrepancies or data errors associated with any data submission for settlement purposes by or on behalf of Waymart Wind and/or Waymart Storage to Transmission Provider, any inaccurate payment(s) by Transmission Provider to Waymart Wind and/or Waymart Storage based on an erroneous data submission by Waymart Wind and/or Waymart Storage to Transmission Provider, and any disputes between Waymart Wind and Waymart associated with any discrepancy or error in meter data, shall be resolved solely between the Waymart Wind and Waymart Storage.

## **Schedule E**

### **Applicable Technical Requirements and Standards**

1.0 PPL Electric Utilities - Relay and Control Requirements for Parallel Operation of Non-Utility Generation Revision #9 March 2003

2.0 Transmission of Data

2.1 The Interconnection Customer is responsible for assuring that the following real time data is transmitted to PJM.

- a. Instantaneous net MW for the plant
- b. Instantaneous net MVAR for the plant

2.2 The Interconnection Customer is responsible for assuring the following non real-time data is transmitted to PJM.

- a. Hourly compensated MWh delivered by the plant.
- b. Hourly compensated MWh received by the plant.
- c. Hourly compensated MVARh delivered by the plant
- d. Hourly compensated MVARh received by the plant

**Schedule F**

**Schedule of Charges**

**Not Applicable**

## **Schedule G**

### **Schedule of Non-Standard Terms and Conditions**

#### **1 Interconnection Customer Construction Responsibilities**

1.1 This section supercedes article 54.7.1 in Subpart E - Standard Terms and Conditions For Interconnection, which is meant for large synchronous generators. The Interconnection Customer is required to maintain a 98.6% power factor over the full range of wind turbine MW output at the 69kV point of attachment with the Interconnected Transmission Owner.

As stated in the Impact Study.

At 70MW the generation project is required to absorb 12MVAR from the transmission system, including the MVAR absorbed by the step-up transformer, to maintain acceptable voltage levels. This 12MVAR/ 70MW ratio (98.6% power factor) shall be automatically maintained by the Interconnection Customer over the full range of wind turbine MW output at the 69kv point of attachment with the Interconnected Transmission Owner. The necessary power factor compensation and automatic control equipment shall be installed by the Interconnection Customer to maintain the specified power factor. Such equipment could include equipment integral to the wind turbines which is capable of maintaining the specified powerfactor.

If there is a significant amount of 69kv or lower voltage underground cable installed by the Interconnection Customer, selfexcitation of the generators may be a concern. This could lead to additional Interconnected Transmission Owner interface protection relay requirements and/or installation of circuit breakers rated twice the nominal line voltage. Due to such cable installation, additional power factor compensation and control equipment may be needed to be installed by the Interconnection Customer to maintain the specified power factor over the full range of wind turbine MW operation.

1.2 Paragraph 10.1 is hereby amended to include "If the Interconnected Transmission Owner determines the Costs included in Section 3 and 4 of the Specifications to this ISA are to be 110% or greater than that listed, the Interconnected Transmission Owner will notify the Transmission Provider and Interconnection Customer in writing within 10 days of that determination. Such an increase in Costs and notification thereof shall not affect Interconnection customer's' obligations under Paragraph 10.1.

#### **2.0 Section 67, Confidentiality, included in Appendix 2, the Standard Terms and Conditions, of this ISA is revised to include the following:**

Notwithstanding anything in section 67 to the contrary, if the FERC or its staff, during the

course of an investigation or otherwise, requests information from one of the Parties that is otherwise required to be maintained in confidence pursuant to this Interconnection Service Agreement, the Party shall provide the requested information to the 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 may, consistent with 18 C.F.R. § 388.112, request that the information be treated as confidential and non-public by the FERC and its staff and that the information be withheld from public disclosure. The Party shall notify the affected party to the Interconnection Service Agreement when it is notified by FERC or its staff that a request for disclosure of, or decision to disclose, confidential information has been received, at which time any of the Parties may respond before such information is made public, pursuant to 18 C.F.R. § 388.112.

### **3.0 Additional Provisions Related to Shared Facilities**

Two separate entities, Waymart Wind Farm LLC (“Waymart Wind”) and Waymart Storage, LLC (“Waymart Storage,” and collectively, the “Waymart Parties”) own separate Customer Facilities behind the same Point of Interconnection. Pursuant to Service Agreement No. 896 (“Waymart Wind ISA”) and Service Agreement No. 5246 (“Waymart Storage ISA”), Waymart Wind, Waymart Storage, Transmission Provider, and Interconnected Transmission Owner (together, the “Parties”) agree to the following non-standard terms and conditions:

3.1 Separate ISAs: To obtain Interconnection Service and associated Capacity Interconnection Rights, Waymart Wind and Waymart Storage shall enter into separate ISAs pursuant to the Tariff (the Waymart Wind ISA and Waymart Storage ISA, respectively) to govern their individually-owned Customer Facilities located behind the Point of Interconnection shown in Schedule B to this ISA and to receive Capacity Interconnection Rights.

3.2 Single Point of Interconnection: As shown on Schedule B to both the Waymart Wind ISA and Waymart Storage ISA, there is a single Point of Interconnection serving the Waymart Wind Farm Customer Facility (“Waymart Wind Customer Facility”) and Waymart Battery Energy Storage System Customer Facility (“Waymart Storage Customer Facility”), and that single Point of Interconnection is physically located at a point where the Interconnected Transmission Owner’s facilities are connected to the Waymart Wind Customer Interconnection Facilities. Additionally, as shown on Schedule B to both the Waymart Wind ISA and Waymart Storage ISA the Waymart Storage Customer Interconnection Facilities are connected to the Waymart Wind Customer Interconnection Facilities, requiring Waymart Storage to use a portion of the Waymart Wind Customer Interconnection Facilities (“Shared Facilities”) to transport energy produced by the Waymart Storage Customer Facility to the Point of Interconnection.

3.3 Shared Facilities Agreement: The Parties acknowledge and agree that Interconnection Service for Waymart Storage depends upon the physical availability of, and Waymart Storage’s right to utilize, the Shared Facilities. Accordingly, the following shall apply:

3.3.1 Waymart Storage shall obtain Waymart Wind's written agreement allowing Waymart Storage to utilize the Shared Facilities to transport energy produced by the Waymart Storage Customer Facility to the Point of Interconnection.

3.3.2 No later than 30 days after the execution of this ISA, Waymart Wind and Waymart Storage shall provide Transmission Provider and Interconnected Transmission Owner with a copy of that certain agreement pursuant to which Waymart Wind agrees to grant to Waymart Storage rights as described in Section 3.3.1 of this Schedule G ("Shared Facilities Agreement"). Waymart Wind and Waymart Storage shall notify Transmission Provider and Interconnected Transmission Owner within ten (10) business days of any termination of the Shared Facilities Agreement. In the event the Shared Facilities Agreement is terminated, other than as a result of Waymart Wind and Waymart Storage being owned by the same entity(ies), Waymart Storage shall be deemed in Breach of the Waymart Storage ISA in accordance with Section 65 of Appendix 2 to the ISA, unless such Breach can be cured by Waymart Wind and Waymart Storage agreeing to reinstate the Shared Facilities Agreement or to enter into a similar agreement acceptable to the Transmission Provider and Interconnected Transmission Owner, or by Waymart Storage entering some other arrangement acceptable to the Transmission Provider and Interconnected Transmission Owner that enables Waymart Storage to transport energy produced by the Waymart Storage Customer Facility to the Point of Interconnection and to comply with the terms and conditions set forth in the Waymart Storage ISA.

3.3.3 In the event that the Shared Facilities used to provide Interconnection Service become unavailable for any reason to carry energy produced by the Waymart Storage Customer Facility to and across the Point of Interconnection as shown on Schedule B to both the Waymart Wind ISA and Waymart Storage ISA, Waymart Storage's right to utilize the Transmission System will be suspended for the duration of such unavailability, and Transmission Provider and Interconnected Transmission Owner shall incur no liability to Waymart Storage in connection with such suspension.

3.3.4 In the event that Waymart Wind ceases operations of the Shared Facilities, removes from service the Shared Facilities on which Interconnection Service thereunder depends, or for any other reason the Shared Facilities become permanently unavailable to carry energy produced by the Waymart Storage Customer Facility, it shall be Waymart Storage's sole responsibility to acquire and install, or to obtain rights to utilize, other Interconnection Facilities necessary to enable Waymart Storage to deliver energy produced by its Customer Facility to and across the Point of Interconnection. In such event, if Waymart Storage fails to acquire and install, or to obtain rights to utilize, such other Interconnection Facilities pursuant to an agreement or other arrangement that is acceptable to the Transmission Provider and Interconnected Transmission Owner within ten (10) business days or other reasonable time agreed to by Waymart Storage, Transmission Provider and Interconnected Transmission Owner, the Waymart Storage ISA will be terminated.



3.4 Notices to Waymart Parties: Any required notice and all communications to the Waymart Parties and any required notice and all communications from any Waymart Party to the Transmission Provider and/or Interconnected Transmission Owner regarding any matter relating to this ISA or the corresponding ISA of the other Waymart Party governing the interconnection of the Waymart Storage Customer Facility or the Waymart Wind Customer Facility shall be made only to, and given only by, the following contact(s):

Waymart Wind Farm LLC  
C/o GlidePath Power Operations LLC  
132 N York Street, Suite 3L  
Elmhurst, IL 60126  
Attn: Interconnection Notices

Such notice shall constitute notice to, or by, Waymart Wind and Waymart Storage, pursuant to each Waymart Party's ISA and the Tariff, and Transmission Provider shall not be obligated to provide any additional notice. The Waymart Parties may change the contact by providing the Transmission Provider and Interconnected Transmission Owner notice of such change in accordance with the terms of this ISA, provided that the Waymart Parties designate only one party as the new contact.

3.5 Disputes Between Waymart Wind and Waymart Storage: Waymart Wind and Waymart Storage agree that all issues between Waymart Wind and Waymart Storage regarding invoices, disbursements, operations, maintenance, liability and all other matters related to their respective Customer Facilities or the Shared Facilities shall be resolved between Waymart Wind and Waymart Storage.

3.6. Additional Liability and Indemnification Provisions: Notwithstanding anything in this Schedule G or this Agreement regarding limitation of liability or indemnification to the contrary, Transmission Provider, Interconnection Transmission Owner and Interconnection Customer hereby agree that: (a) Interconnection Customer shall indemnify, defend and hold harmless Interconnected Transmission Owner and Transmission Provider from all liability, damages, costs, and expenses (including reasonable attorneys' fees) whatsoever related to, or arising from, any claims resulting from acts taken by or omissions of Interconnection Customer under the Shared Facilities Agreement; and (b) Transmission Provider and Interconnected Transmission Owner shall not be liable, whether based on contract, warranty, tort, strict liability or otherwise, to Interconnection Customer for cessation, interruption or reduction of service, or any damages whatsoever, including direct, incidental, consequential, punitive, special, exemplary, or indirect damages, arising or resulting from the exercise of any right or remedy by Transmission Provider or Interconnected Transmission Owner under the Waymart Wind ISA, provided however, the limitation of liability in this section shall not apply to direct damages that arise or result from the gross negligence or willful misconduct of Transmission Provider or Interconnected Transmission Owner.

3.7 Satisfaction of Obligations by Waymart Parties: Payment by one Waymart Party of any costs due by the Waymart Parties associated with the interconnection of the Customer

Facility in accordance with its ISA may, upon the request of the paying Waymart Party, be used to satisfy the obligation of another Waymart Party with respect to costs due from that Waymart Party associated with the interconnection of its Customer Facility in accordance with its ISA.

## **Attachment B**

### **Unexecuted Amended Waymart Wind ISA, Service Agreement No. 896 (Marked)**

**INTERCONNECTION SERVICE AGREEMENT**  
(PJM Queue# D05 & K21)

- 1.0 Parties. This Interconnection Service Agreement ("ISA"), dated as of April 28, 2004 including the Specifications, Schedules (A through G) and Appendices (1 and 2) attached hereto and incorporated herein, is entered into by and between PJM Interconnection, L.L.C., the Regional Transmission Organization for the PJM Region (hereinafter "Transmission Provider"), Waymart Wind Farm ~~L.L.C.~~ LLC ("Interconnection Customer") and PPL Electric Utilities Corporation ("Interconnected Transmission Owner"). All capitalized terms herein shall have the meanings set forth in the appended definitions of such terms as stated in Part I, or in Subparts E and F of Part IV, of the Tariff. This ISA supersedes the Interconnection Service Agreement, dated June 26, 2003 among Transmission Provider, Interconnected Transmission Owner and Interconnection Customer designated as Original Service Agreement 896 1st Revision and filed with the Federal Energy Regulatory Commission in Docket No. ER03-1125.
- 2.0 Authority. This ISA is entered into pursuant to Part IV of the Tariff. Interconnection Customer has requested an Interconnection Service Agreement under the PJM Open Access Transmission Tariff ("Tariff"), and Transmission Provider has determined that Interconnection Customer is eligible under the Tariff to obtain this ISA. The standard terms and conditions for interconnection as set forth in Subpart E of Part IV of the Tariff as of the date of this ISA are attached as Appendix 2 to this ISA and are hereby specifically incorporated as provisions of this ISA. Transmission Provider, Interconnected Transmission Owner and Interconnection Customer agree to and assume all of the rights and obligations of the Transmission Provider, Interconnected Transmission Owner and Interconnection Customer, respectively, as set forth in the appended provisions of Subpart E.
- 3.0 Facility Specifications. Attached are Specifications for each generating unit that Interconnection Customer proposes to interconnect with the Transmission System. Interconnection Customer represents and warrants that, upon completion of construction of such unit(s), it will own or control the Facility identified in section 1.0 of the Specifications attached hereto and made a part hereof. In the event that Interconnection Customer will not own the Facility, Interconnection Customer represents and warrants that it is authorized by the owner(s) thereof to enter into this ISA and to represent such control~~ing~~.
- 4.0 Effective Date. This ISA shall become effective on the date it is executed by the Transmission Provider and shall terminate on such date as mutually agreed upon by the parties, unless earlier terminated in accordance with the appended terms of Subpart E. Interconnection Service shall commence as provided in Section 51.2 of the appended Subpart E.
- 5.0 Security. In accord with Section 36.8.4(b) of the Tariff, and this Section of this ISA, Interconnection Customer, on or before the effective date of this ISA, shall provide the

Transmission Provider with a letter of credit from an agreed provider or other form of security reasonably acceptable to the Transmission Provider ("Security") in the amount of \$ 0 (Zero Dollars) for the benefit of the Transmission Provider, and Interconnected Transmission Owner. Should Interconnection Customer fail to provide Security in the amount or form required in the first sentence of this section, this ISA shall be terminated. Interconnection Customer acknowledges that its ultimate cost responsibility in accordance with Section 37 of the Tariff will be based upon the actual Costs of the facilities described in the Specifications, whether greater or lesser than the amount of the payment security provided under this section. The Parties acknowledge and agree that the requirements of this Section 5.0 do not apply to Interconnection Customer in this ISA.

6.0 Project Specific Milestones. In addition to the milestones stated in Section 36.8.5 of the Tariff, during the term of this ISA, Interconnection Customer shall ensure that its generation project meets each of the following development milestones:

- 6.1 Substantial Site work completed. On or before November 1, 2003, Interconnection Customer must demonstrate completion of at least 20% of project site construction workscope.
- 6.2 Delivery of major electrical equipment. On or before December 1, 2003, Interconnection Customer must demonstrate that all wind turbines have been delivered to Interconnection Customer's project site.
- 6.3 Commercial Operation. On or before March 1, 2004, Interconnection Customer must demonstrate commercial operation of 80% of all generating units. Commercial operation includes the sale of energy in the PJM market.
- 6.4 By July 1, 2004, Interconnection Customer must provide certified documentation demonstrating that "as-built" customer Facility and Interconnection Customer Interconnection Facilities are in accordance with applicable PJM studies and agreements. Interconnection Customer must also provide PJM with "as-built" electrical modeling data or confirm that previously submitted data remains valid.

Interconnection Customer shall demonstrate the occurrence of each of the foregoing milestones to Transmission Provider's reasonable satisfaction. Transmission Provider may reasonably extend any such milestone dates, in the event of delays that Interconnection Customer (i) did not cause and (ii) could not have remedied through the exercise of due diligence.

7.0 Provision of Interconnection Service. Transmission Provider and Interconnected Transmission Owner agree to provide for the interconnection to the Transmission System in the PJM Control Area of Interconnection Customer's Facility identified in the Specifications in accordance with Part IV of the Tariff, the Operating Agreement of PJM Interconnection, L.L.C. ("Operating Agreement"), and this ISA, as they may be amended from time to time.

8.0 Assumption of Tariff Obligations. Interconnection Customer agrees to abide by all rules and procedures pertaining to generation in the PJM Control Area, including but not limited to the rules and procedures concerning the dispatch of generation set forth in the Operating

- 9.0 Facilities Study. In analyzing and preparing the Facilities Study, and in designing and constructing the Attachment Facilities, Local Upgrades and/or Network Upgrades described in the Specifications attached to this ISA, Transmission Provider, the Interconnected Transmission Owner(s), and any other subcontractors employed by Transmission Provider have had to, and shall have to, rely on information provided by Interconnection Customer and possibly by third parties and may not have control over the accuracy of such information. Accordingly, NEITHER TRANSMISSION PROVIDER, THE INTERCONNECTED TRANSMISSION OWNER(S), NOR ANY SUBCONTRACTORS EMPLOYED BY EITHER TRANSMISSION PROVIDER OR INTERCONNECTED TRANSMISSION OWNERS MAKES ANY WARRANTIES, EXPRESS OR IMPLIED, WHETHER ARISING BY OPERATION OF LAW, COURSE OF PERFORMANCE OR DEALING, CUSTOM, USAGE IN THE TRADE OR PROFESSION, OR OTHERWISE, INCLUDING WITHOUT LIMITATION IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, WITH REGARD TO THE ACCURACY, CONTENT, OR CONCLUSIONS OF THE FACILITIES STUDY OR OF THE ATTACHMENT FACILITIES, THE LOCAL UPGRADES AND/OR THE NETWORK UPGRADES, PROVIDED, HOWEVER, that Transmission Provider warrants that the TO Interconnection Facilities described in section 3.0 of the Specifications will be designed, constructed (to the extent that an Interconnected Transmission Owner is responsible for construction thereof) and operated in accordance with Good Utility Practice, as such term is defined in the Operating Agreement. Interconnection Customer acknowledges that it has not relied on any representations or warranties not specifically set forth herein and that no such representations or warranties have formed the basis of its bargain hereunder.
- 10.0 Construction of TO Interconnection Facilities
- 10.1. Cost Responsibility. Interconnection Customer shall be responsible for and shall pay upon demand all Costs associated with the interconnection of the Facility as specified in the Tariff. These Costs may include, but are not limited to, an Attachment Facilities charge, a Local Upgrades charge, a Network Upgrades charge and other charges. A description of the facilities required and an estimate of the Costs of these facilities are included in Sections 3.0 and 4.0 of the Specifications to this ISA.
- 10.2. Billing and Payments. The Transmission Provider shall bill the Interconnection Customer for the Costs associated with the facilities contemplated by this ISA, and the Interconnection Customer shall pay such Costs, in accordance with the terms of Subpart E of Part IV of the Tariff. Upon receipt of each of Interconnection Customer's payments of such bills, Transmission Provider shall reimburse the applicable Interconnected Transmission Owner.
- 11.0 Interconnection Specifications

- 11.1 Point of Interconnection. The Point of Interconnection shall be as identified on the one-line diagram attached as Schedule B to this ISA.
- 11.2 List and Ownership of Interconnection Facilities. The Interconnection Facilities to be constructed and ownership of the components thereof are identified in Section 3.0 of the Specifications attached to this ISA. The Generator Interconnection Facilities and the TO Interconnection Facilities are identified on the attached Schedule C to this ISA.
- 11.3 Ownership and Location of Metering Equipment. The Metering Equipment to be constructed, and the ownership thereof, are identified on the attached Schedule D to this ISA.
- 11.4 Applicable Technical Standards. The Applicable Technical Requirements and Standards that apply to the Facility and the Interconnection Customer Interconnection Facilities are attached as Schedule E to this ISA.
- 12.0 Operational Requirements.
- 12.1 The Maximum Facility Output is ~~69.0~~64.5 MW.
- 13.0 Charges. In accordance with Articles 60 and 61 of the appended Subpart E, the Interconnection Customer shall pay to the Transmission Provider the charges set forth in the Schedule of Charges attached as Schedule F to this ISA. Promptly after receipt of such payments, the Transmission Provider shall forward such payments to the appropriate Interconnected Transmission Owner.
- 14.0 Third Party Beneficiaries. No third party beneficiary rights are created under this ISA, except, however, that, subject to modification of the payment terms stated in Section 10 of this ISA pursuant to the Negotiated Contract Option, payment obligations imposed on Interconnection Customer under this ISA are agreed and acknowledged to be for the benefit of the Interconnected Transmission Owner(s). Interconnection Customer expressly agrees that the Interconnected Transmission Owner(s) shall be entitled to take such legal recourse as it deems appropriate against Interconnection Customer for the payment of any Costs or charges authorized under this ISA or the Tariff for which Interconnection Customer fails, in whole or in part, to pay as provided in this ISA, the Tariff and/or the Operating Agreement.
- 15.0 Waiver. No waiver by either party of one or more defaults by the other in performance of any of the provisions of this ISA shall operate or be construed as a waiver of any other or further default or defaults, whether of a like or different character.
- 16.0 Amendment. This ISA or any part thereof, may not be amended, modified, assigned, or waived other than by a writing signed by all parties hereto.
- 17.0 Construction With Other Parts Of The Tariff. This ISA shall not be construed as an

application for service under Part II or Part III of the Tariff.

- 18.0 Notices. Any notice or request made by either party regarding this ISA shall be made, in accordance with the terms of the appended Subparts E and F, to the representatives of the other party and as applicable, to the Interconnected Transmission Owner(s), as indicated below:

Transmission Provider:

PJM Interconnection, L.L.C.  
2750 Monroe Blvd.  
Audubon, PA 19403

Interconnection Customer:

Waymart Wind Farm, ~~L.L.C.~~ LLC  
c/o GlidePath Power Operations LLC  
132 N. York Street  
Suite 3L  
Elmhurst, IL 60126

Copy to:

Clean Law PC  
~~18 S. Michigan~~ 301 W. Grand Ave., 12<sup>th</sup> Floor, Ste 133  
Chicago, IL ~~60603~~ 60654  
Attn: John Young

Interconnected Transmission Owner:

PPL Electric Utilities Corporation (PPL EU)  
2 North Ninth Street  
Allentown, PA 18101-1179  
Attn: ~~Gabriel Laezo~~ BES Interconnection Affairs Supervisor

- 19.0 Incorporation Of Other Documents. All portions of the Tariff and the Operating Agreement pertinent to the subject matter of this ISA and not otherwise made a part hereof are hereby incorporated herein and made a part hereof.
- 20.0 Addendum of Non-Standard Terms and Conditions for Interconnection Service. Subject to FERC approval, the parties agree that the terms and conditions set forth in Schedule G hereto are hereby incorporated herein by reference and be made a part of this ISA. In the event of any conflict between a provision of Schedule G that FERC has accepted and any provision of the appended Subpart E that relates to the same subject matter, the pertinent provision of Schedule G shall control.



IN WITNESS WHEREOF, Transmission Provider, Interconnection Customer and Interconnected Transmission Owner have caused this ISA to be executed by their respective authorized officials.

Transmission Provider: **PJM Interconnection, L.L.C.**

**Intentionally left blank**

By: See Agreement to Amend executed by the parties effective July 18, 2019 ~~October 12, 2018~~

Name

Title

Date

Interconnection Customer: **Waymart Wind Farm LLC**

**Intentionally left blank**

By: See Agreement to Amend executed by the parties effective July 18, 2019 ~~October 12, 2018~~

Name

Title

Date

Interconnected Transmission Owner: **PPL Electric Utilities Corporation**

**Intentionally left blank**

By: See Agreement to Amend executed by the parties effective July 18, 2019 ~~October 12, 2018~~

Name

Title

Date

# **SPECIFICATIONS FOR INTERCONNECTION SERVICE AGREEMENT**

**Between**  
**PJM INTERCONNECTION, L.L.C.**  
**And**  
**Waymart Wind Farm LLC**  
**And**  
**PPL Electric Utilities Corporation**  
(PJM Queue# D05 & K21)

1.0 Description of generating units (the Facility) to be interconnected with the Transmission System in the PJM Control Area:

a. Name of Facility:

Waymart Wind Farm  
(a/k/a PJM Queue# D05&K21)

b. Location of Facility:

Clinton and Canaan Townships, Wayne County, Pennsylvania

c. Size in megawatts of Facility:

Net maximum summer energy output of ~~69.0~~64.5 MW

Net maximum winter energy output of ~~69.0~~64.5 MW

d. Description of the equipment configuration:

~~Up to Forty-six (46)~~thirty (43) 1.5 MW wind turbine generators

2.0 Capacity Interconnection Rights:

Pursuant to the PJM Tariff, Interconnection Customer shall have Capacity Interconnection Rights at the location specified in section 1.0b above in the amount of 13 (thirteen) MW.

The generating unit(s) described in section 1.0 shall be an Energy Resource. Pursuant to this ISA, the generating unit will be permitted to inject 69 MW (nominal) into the system, except for the temporary period when the generating units are connected only to the East Carbondale-Peckville circuit, the generating units will be limited to injecting 45 MW into the 69kV system. PJM reserves the right to limit units to these values in the event reliability would be affected by output greater than these values.

3.0 Construction Responsibility for TO Interconnection Facilities

- a. Interconnection Customer. In the event that, in accordance with Section 83.2.3 of Subpart F of the Tariff, Interconnection Customer has exercised the Option to Build, it is hereby permitted to build in accordance with and subject to the conditions and limitations set forth in that Section, the following portions of the TO Interconnection Facilities:

**Because Interconnection Customer has not exercised the option to build, no conditions or limitations have been established.**

- b. Interconnected Transmission Owner

- ☐ **Direct Connection Work-Transmission:** This work includes siting, acquisition of any additional R/W, design/reconstruction of approximately 1.6 miles of a portion of the existing East Carbondale Tap of the Lackawanna Peckville #1 69kv circuit from single circuit 69kv operation to double circuit 69kv operation. PPL Electric Utilities will connect the new 556 ACSR circuit of this double circuit line to the Lackawanna-East Carbondale 69kv line. The other end of this circuit will be connected to the Waymart Wind Farm interconnection substation located in the vicinity of structure 61999N51649.
- ☐ **Direct Connection Work- Substation:** This work includes- installation of the radio communication equipment and the installation of synchrocheck facilities. Specifically, the following changes will be required:
  1. Provide Direct Transfer Trip (DTT) facilities between Waymart and PPL Electric Utilities's Lackawanna substation. This equipment will provide the primary trip from PPL Electric Utilities to Waymart, and a blocking signal for PPL reclosing should Waymart not isolate from the PPL Electric Utilities system when the PPL circuit breaker supplying the Waymart generation opens.
  2. Modify the control circuits of the East Carbondale, Peckville #1 and Bus Tie CBs at Lackawanna 230/69 kV substation. The East Carbondale circuit will be the normal source. The Peckville #1 or the Bus Tie CB will serve as alternate supply breakers. Provisions will be provided to transfer the DTT signals between the East Carbondale, Peckville #1 and the Bus Tie breakers depending on which line is serving Waymart.
  3. Installation of the necessary metering equipment at the Waymart point of interconnection location.

- 4.0 Subject to modification pursuant to the Negotiated Contract Option and/or the Option to Build under Section 83.2 of Subpart F of Part N of the Tariff, Interconnection Customer shall be subject to the charges detailed below. The charges detailed below are the best estimates of costs available when these specifications were prepared; the charges and underlying costs are subject to change. The Interconnection Customer must compensate the Transmission Provider and Transmission Owner in full for all costs actually incurred

on the project.

4.1 Attachment Facilities Charge:\$ **1,523,610**

PPL Electric Utilities Corporation will install the following at Interconnection Customer's expense:

\$ **1,264,700** Construction of the 1.6 mile 69kV line from the connection with the East Carbondale-Lackawanna line to the inteconnection with the developer's 69kv line in the vicinity of structure 61999N51649.

\$ **208,910** Modifications at Lackawanna 69kV Substation, including a means of remote trip of the generating plant.

\$ **50,000** Construct temporary attachment to the PPL EU East Carbondale Peckville 69kV circuit at the point where the Waymart Wind Farm new circuit meets the PPL EU 69kV right-of-way.

Attachment Facilities Charge-Deposits already received = Security Required

**\$1,523,610 - \$1,523,610\* = \$0**

\*(Includes \$336,000 for material purchases in accordance with the Advance Material Purchase Agreement between PPL EU and Interconnection Customer dated February 12, 2003)

4.2 Network Upgrades Charge: N/A

4.3 Local Upgrades Charge: N/A

4.4 Other Charges: None'

4.5 Cost breakdown:

\$ 436,400	Material Direct
\$ 740,700	Labor Direct
\$ 318,000	Labor Indirect
\$ 28,510	PA Sales Tax

4.6 Guaranty Amount Required: N/A

4.7 Guaranty Reduction Schedule: N/A

## **Appendices and Schedules**

### **APPENDICES:**

- ☐ **APPENDIX 1 - DEFINITIONS**
- ☐ **APPENDIX 2 - SUBPART E TERMS AND CONDITIONS**

### **SCHEDULES:**

- ☐ **SCHEDULE A - FACILITY LOCATION/SITE PLAN**
- ☐ **SCHEDULE B - SINGLE-LINE DIAGRAM**
- ☐ **SCHEDULE C - LIST OF FACILITIES**
- ☐ **SCHEDULE D - LIST OF METERING EQUIPMENT**
- ☐ **SCHEDULE E - APPLICABLE TECHNICAL REQUIREMENTS AND STANDARDS**
- ☐ **SCHEDULE F - SCHEDULE OF CHARGES**
- ☐ **SCHEDULE G - SCHEDULE OF NON-STANDARD TERMS & CONDITIONS**

## APPENDIX I

### DEFINITIONS

Tariff Section	Definition
50.1	“Abnormal Condition” shall mean any condition on the Interconnection Facilities which, determined in accordance with Good Utility Practice, is: (i) outside normal operating parameters such that facilities are operating outside their normal ratings or that reasonable operating limits have been exceeded; and (ii) could reasonably be expected to materially and adversely affect the safe and reliable operation of the Interconnection Facilities; but which, in any case, could reasonably be expected to result in an Emergency Condition. 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, standing alone, constitute an Abnormal Condition.
50.2	“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.
1.1	<b>Ancillary Services:</b> Those services that are necessary to support the transmission of capacity and energy from resources to loads while maintaining reliable operation of the Transmission Provider’s Transmission System in accordance with Good Utility Practice.
50.3	“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 relevant parties, their respective facilities, and/or the respective services they provide.
50.4	“Applicable Reliability Council” shall mean (MAAC) in the case of the PJM Control Area and ECAR with respect to PJM West Region.
50.5	“Applicable Standards” shall mean the requirements and guidelines of NERC, the Applicable Reliability Council and the Control Area in which the Customer Facility is electrically located, the PJM Manuals and Applicable Technical Requirements and Standards.
50.6	“Applicable Technical Requirements and Standards” shall mean those certain technical requirements and standards applicable to interconnections of generation and/or transmission facilities with the facilities of an Interconnected Transmission Owner, as published by Transmission Provider in a PJM Manual. Such Applicable Technical Requirements and Standards shall be publicly available through postings on Transmission Provider’s internet website.

- 1.3A Attachment Facilities:** The facilities necessary to physically connect a Customer Facility to the Transmission System or interconnected distribution facilities.
- 50.7** “Breach” shall mean the failure of a party to perform or observe any material term or condition of the applicable Subpart of Part IV of the Tariff or an agreement entered into thereunder as described in the relevant provisions of Subpart E or Subpart F.
- 50.8** “Breaching Party” shall mean an Interconnected Entity or a Construction Party that is in Breach of the applicable Subpart and/or an agreement entered into thereunder.
- 50.9** “Cancellation Costs” shall mean the Costs and liabilities incurred in connection with: (a) cancellation of supplier and contractor written orders and agreements entered into to design, construct and install the Transmission Owner Interconnection Facilities and/or Merchant Network Upgrades; and/or (b) completion of some or all of the Transmission Owner Interconnection Facilities and/or Merchant Network Upgrades, or specific unfinished portions and/or removal of any or all of such facilities which have been installed, to the extent required for the Transmission Provider and/or Interconnected Transmission Owner to perform their respective obligations under Part IV of the Tariff.
- 1.3C Capacity Interconnection Rights:** The rights to input generation as a Capacity Resource or Available Capacity Resource into the Transmission System at the bus where the generating facilities connect to the Transmission System.
- 1.3E Capacity Transmission Injection Rights:** The rights to schedule energy and capacity deliveries at a Point of Interconnection (as defined in Section 50.44) of a Merchant Transmission Facility with the Transmission System. Capacity Transmission Injection Rights may be awarded only to a Merchant D.C. Transmission Facility that connects the Transmission System to another control area. Deliveries scheduled using Capacity Transmission Injection Rights have rights similar to those under Firm Point-to-Point Transmission Service or, if coupled with a generating unit external to the combined PJM Control Area and PJM West Region that satisfies all applicable criteria specified in the PJM Manuals, similar to Capacity Interconnection Rights.
- 50.10** “Commencement Date” shall mean the date on which Interconnection Service commences in accordance with Section 51.2 of Subpart E.
- 1.4 Commission:** The Federal Energy Regulatory Commission.
- 50.11** “Confidential Information” shall mean any confidential, proprietary, or trade secret information of a plan, specification, pattern, procedure, design, device, list, concept, policy, or compilation relating to the present or planned business of an Interconnection Party or Construction Party, which is designated as confidential by the party supplying the information, whether conveyed verbally, electronically, in writing, through inspection, or otherwise, and shall include, without limitation, all information relating to the producing party’s technology, research and development, business affairs and pricing, and any information supplied by any Interconnection Party or Construction Party to another such



party prior to the execution of an Interconnection Service Agreement or a Construction Service Agreement.

- 50.12** “Constructing Entity” shall mean either the Interconnected Transmission Owner or the Interconnection Customer, depending on which entity has the construction responsibility pursuant to Subpart F, and shall also be used to refer to an Interconnection Customer with respect to the construction of the Customer Interconnection Facilities.
- 50.13** “Construction Party” shall mean the Interconnection Customer, the Interconnected Transmission Owner, or Transmission Provider. “Construction Parties” shall mean all of them.
- 50.14** “Construction Service Agreement” shall mean that agreement entered into by Interconnection Customer, Interconnected Transmission Owner and Transmission Provider, applicable to the Customer Facility and implementing the terms and conditions of Subpart F of Part IV of the Tariff.
- 50.15** “Costs” shall mean costs and expenses, including, but not limited to, capital expenditures, if applicable, and overhead, return, and the costs of financing and taxes and any Incidental Expenses as defined below. Costs are calculated on a time and materials basis, including overhead.
- 1.7A Customer Facility:** Generation facilities or Merchant Transmission Facilities interconnected with or added to the Transmission System pursuant to an Interconnection Request under Subparts A or B of Part IV of the Tariff.
- 50.15A** “Customer Interconnection Facilities” shall mean all facilities and equipment owned and/or controlled, operated and maintained by Interconnection Customer on Interconnection Customer’s side of the Point of Interconnection identified in the appropriate appendices to the Interconnection Service Agreement and to the Construction Service Agreement, including any modifications, additions, or upgrades made to such facilities and equipment, that are necessary to physically and electrically interconnect the Customer Facility with the Transmission System.
- 50.16** “Default” shall mean the failure of a Breaching Party to cure its Breach in accordance with the applicable provisions of Subpart E or Subpart F.
- 50.17** “ECAR” shall mean East Central Area Reliability Council Agreement, a regional reliability council of NERC, or its successor.
- 50.18** “Emergency Condition” shall mean a condition or situation (i) that in the judgment of any Interconnection Party is imminently likely to endanger life or property; or (ii) that in the judgment of the Interconnected Transmission Owner or Transmission Provider 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, the Interconnection Facilities, or the transmission systems or distribution systems to which the

Transmission System is directly or indirectly connected; or (iii) that in the judgment of Interconnection Customer is imminently likely (as determined in a non-discriminatory manner) to cause damage to the Customer Facility or to the Customer Interconnection Facilities. System restoration and black start shall be considered Emergency Conditions, provided that a Generation Interconnection Customer is not obligated by Subpart E of Part IV of the Tariff to possess black start 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 or more of the enumerated conditions or situations identified in this definition also exists.

**1.11A Energy Resource:** A generating facility that is not a Capacity Resource or Available Capacity Resource.

**1.11B Energy Transmission Injection Rights:** The rights to schedule energy deliveries at a specified point on the Transmission System. Energy Transmission Injection Rights may be awarded only to a Merchant D.C. Transmission Facility that connects the Transmission System to another control area. Deliveries scheduled using Energy Transmission Injection Rights have rights similar to those under Non-Firm Point-to-Point Transmission Service.

**50.19** “Environmental Laws” shall mean Applicable Laws or Regulations relating to pollution or protection of the environment, natural resources or human health and safety.

**50.20** “Facilities Study” shall mean that certain Generation Interconnection Facilities Study or Transmission Interconnection Facilities Study conducted by Transmission Provider (or at its direction) to determine the design and specification of the Interconnection Facilities necessary to accommodate the interconnection of the Customer Facility with the Transmission System in accordance with Section 36.6 or Section 41.5 of the Tariff, as applicable.

**50.21 [Reserved]**

**50.22** “Federal Power Act” shall mean the Federal Power Act, as amended, 16 U.S.C. §§ 79a, et seq.

**50.23** “FERC” shall mean the Federal Energy Regulatory Commission or its successor.

**1.13A Firm Transmission Withdrawal Rights:** The rights to schedule energy and capacity withdrawals from a Point of Interconnection (as defined in Section 50.44) of a Merchant Transmission Facility with the Transmission System. Firm Transmission Withdrawal Rights may be awarded only to a Merchant D.C. Transmission Facility that connects the Transmission System with another control area. Withdrawals scheduled using Firm Transmission Withdrawal Rights have rights similar to those under Firm Point-to-Point Transmission Service.

**50.24** “Force Majeure” shall mean any cause beyond the control of the affected Interconnection

Party or Construction Party, including but not restricted to, acts of God, flood, drought, earthquake, storm, fire, lightning, epidemic, war, riot, civil disturbance or disobedience, labor dispute, labor or material shortage, sabotage, acts of public enemy, explosions, orders, regulations or restrictions imposed by governmental, military, or lawfully established civilian authorities, which, in any of the foregoing cases, by exercise of due diligence such party could not reasonably have been expected to avoid, and which, by the exercise of due diligence, it has been unable to overcome. Force Majeure does not include (i) a failure of performance that is due to an affected party's own negligence or intentional wrongdoing; (ii) any removable or remediable causes (other than settlement of a strike or labor dispute) which an affected party fails to remove or remedy within a reasonable time; or (iii) economic hardship of an affected party.

## **50.25 [Reserved]**

**1.13B Generation Interconnection Customer:** An entity that submits an Interconnection Request to interconnect a new generation facility or to increase the capacity of an existing generation facility interconnected with the Transmission System in the PJM Control Area or PJM West Region.

**1.13C Generation Interconnection Facilities Study:** A Facilities Study related to a Generation Interconnection Request.

**1.13D Generation Interconnection Feasibility Study:** A study conducted by the Transmission Provider (in coordination with the affected Transmission Owner(s)) in accordance with Section 36.2 of this Tariff.

**1.13E Generation Interconnection Request:** A request by a Generation Interconnection Customer pursuant to Subpart A of Part IV of the Tariff to interconnect a generating unit with the Transmission System or to increase the capacity of a generating unit interconnected with the Transmission System in the PJM Control Area or PJM West Region.

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

**50.26 "Governmental Authority"** means any federal, state, local or other governmental, regulatory or administrative agency, court, commission, department, board, or other governmental subdivision, legislature, rulemaking board, tribunal, arbitrating body, or other governmental authority having jurisdiction over any Interconnection Party or Construction Party or regarding any matter relating to Subpart E or Subpart F, as

applicable.

- 50.27** “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.
- 50.28** “Incidental Expenses” shall mean those expenses incidental to the performance of construction pursuant to Subpart F, including, but not limited to, the expense of temporary construction power, telecommunications charges, Interconnected Transmission Owner expenses associated with, but not limited to, document preparation, design review, installation, monitoring, and construction related operations and maintenance for the Customer Facility and for the Interconnection Facilities.
- 1.14B Incremental Auction Revenue Rights:** The additional Auction Revenue Rights (as defined in Section 1.3.1 of Attachment K to the Tariff), not previously feasible, created by the addition of Merchant Transmission Facilities, or a new transmission facility or upgrade resulting from the accommodation of an Interconnection Request pursuant to Part IV of the Tariff.
- 1.14C Incremental Available Transfer Capability Revenue Rights:** The rights to revenues that are derived from incremental Available Transfer Capability created by the addition of a Merchant Transmission Facility or a new transmission facility or upgrade resulting from the accommodation of an Interconnection Request(s) pursuant to Part IV of the Tariff.
- 1.14D Incremental Deliverability Rights (IDRs):** The rights to the incremental ability, resulting from the addition of a Merchant Transmission Facility, to inject energy and capacity at a point on the Transmission System, such that the injection satisfies the deliverability requirements of a Capacity Resource. Incremental Deliverability Rights may be obtained by a generator or a Generation Interconnection Customer, pursuant to an IDR Transfer Agreement, to satisfy, in part, the deliverability requirements necessary to obtain Capacity Interconnection Rights.
- 50.29** “Initial Operation” shall mean the commencement of operation of the Customer Facility and Customer Interconnection Facilities after satisfaction of the conditions of Section 51.4.
- 50.30** “Interconnected Entity” shall mean either the Interconnection Customer or the Interconnected Transmission Owner; “Interconnected Entities” shall mean both of them.
- 50.31** “Interconnected Transmission Owner” shall mean the Transmission Owner to whose transmission facilities the Customer Interconnection Facilities are, or as the case may be, the Customer Facility is, being directly connected. As used in Subpart F, the term also

includes a Transmission Owner whose facilities must be upgraded pursuant to the Facilities Study, but whose facilities are not directly interconnected with those of the Interconnection Customer.

**50.32 [Reserved]**

**1.14E Interconnection Customer:** A Generation Interconnection Customer and/or a Transmission Interconnection Customer.

**50.33** “Interconnection Facilities” shall mean the Transmission Owner Interconnection Facilities and the Customer Interconnection Facilities.

**50.34** “Interconnection Party” shall mean Transmission Provider, Interconnection Customer, or the Interconnected Transmission Owner. “Interconnection Parties” shall mean all of them.

**50.35 [Reserved]**

**1.14H Interconnection Request:** A Generation Interconnection Request, a Transmission Interconnection Request and/or an IDR Transfer Agreement.

**50.36** “Interconnection Service” shall mean the physical and electrical interconnection of the Customer Facility with the Transmission System pursuant to the terms of Part IV of the Tariff and the Interconnection Service Agreement entered into pursuant thereto by Interconnection Customer, the Interconnected Transmission Owner and Transmission Provider.

**50.37** “List of Approved Contractors” shall mean a list developed by each Transmission Owner and published in a PJM Manual of (a) contractors that the Transmission Owner considers to be qualified to install or construct new facilities and/or upgrades or modifications to existing facilities on the Transmission Owner’s system, provided that such contractors may include, but need not be limited to, contractors that, in addition to providing construction services, also provide design and/or other construction-related services, and (b) manufacturers or vendors of major transmission-related equipment (e.g., high-voltage transformers, transmission line, circuit breakers) whose products the Transmission Owner considers acceptable for installation and use on its system.

**1.17A Local Upgrades:** Modifications or additions of facilities to abate any local thermal loading, voltage, short circuit, stability or similar engineering problem caused by the interconnection and delivery of generation to the Transmission System.

**50.38** “MAAC” shall mean the Mid Atlantic Area Council, a regional reliability council of NERC, or its successor.

**50.39** “Maximum Facility Output” shall mean the maximum net electrical power output in megawatts, specified in the Interconnection Service Agreement, after supply of any parasitic or host facility loads, that the Customer Facility is expected to produce.

**1.18B Merchant A.C. Transmission Facilities:** Merchant Transmission Facilities that are alternating current (A.C.) transmission facilities.

**1.18C Merchant D.C. Transmission Facilities:** Merchant Transmission Facilities that are direct current (D.C.) transmission facilities.

**1.18D Merchant Network Upgrades:** Merchant A.C. Transmission Facilities that are additions to, or modifications or replacements of, physical facilities of the Interconnected Transmission Owner (as defined in Section 50.31 below) that, on the date of the pertinent Transmission Interconnection Customer's Interconnection Request, are part of the Transmission System or are included in the Regional Transmission Expansion Plan.

**1.18E Merchant Transmission Facilities:** A.C. or D.C. transmission facilities that are interconnected with or added to the Transmission System pursuant to Subpart B of Part IV of the Tariff and that are so identified on Attachment T to the Tariff, provided, however, that Merchant Transmission Facilities shall not include (i) any Customer Interconnection Facilities (as defined in Section 50.15A), (ii) any physical facilities of the Transmission System that are in existence on the date this provision is filed with the Commission; (iii) any expansions or enhancements of the Transmission System that are not identified as Merchant Transmission Facilities in the Regional Transmission Expansion Plan and Attachment T to the Tariff, or (iv) any transmission facilities that are included in the rate base of a public utility and on which a regulated return is earned.

**50.40** "Metering Equipment" shall mean all metering equipment installed at the metering points designated in the appropriate appendix to an Interconnection Service Agreement.

**50.41** "NERC" shall mean the North American Electric Reliability Council, or its successor agency assuming or charged with similar responsibilities related to the operation and reliability of the North American interconnected electric transmission grid.

**1.26 Network Upgrades:** Modifications or additions to transmission-related facilities that are integrated with and support the Transmission Provider's overall Transmission System for the general benefit of all users of such Transmission System.

**50.42** "Nominal Rated Capability" shall mean the nominal maximum rated capability in megawatts of a Transmission Interconnection Customer's Customer Facility or the nominal increase in transmission capability in megawatts of the Transmission System resulting from the interconnection or addition of a Transmission Interconnection Customer's Customer Facility, as determined in accordance with pertinent Applicable Standards and specified in the Interconnection Service Agreement.

**1.27A Non-Firm Transmission Withdrawal Rights:** The rights to schedule energy withdrawals from a specified point on the Transmission System. Non-Firm Transmission Withdrawal Rights may be awarded only to a Merchant D.C. Transmission Facility that connects the Transmission System to another control area. Withdrawals scheduled using

Non-Firm Transmission Withdrawal Rights have rights similar to those under Non-Firm Point-to-Point Transmission Service.

**1.28A Operating Agreement of the PJM Interconnection, L.L.C. or Operating Agreement:**

That agreement dated as of April 1, 1997 and as amended and restated as of June 2, 1997 and as amended from time to time thereafter, among the members of the PJM Interconnection, L.L.C.

**50.43** “Option to Build” shall mean the option of the Interconnection Customer to build certain Transmission Owner Interconnection Facilities and/or Merchant Network Upgrades, as set forth in, and subject to the terms of, Section 83.2.3 of Subpart F.

**1.29 Part I:** Tariff Definitions and Common Service Provisions contained in Sections 2 through 12.

**1.30 Part II:** Tariff Sections 13 through 27 pertaining to Point-To-Point Transmission Service in conjunction with the applicable Common Service Provisions of Part I and appropriate Schedules and Attachments.

**1.31 Part III:** Tariff Sections 28 through 35 pertaining to Network Integration Transmission Service in conjunction with the applicable Common Service Provisions of Part I and appropriate Schedules and Attachments.

**1.31A Part IV:** Tariff Sections 36 through 112 pertaining to generation or merchant transmission interconnection to the Transmission System in conjunction with the applicable Common Service Provisions of Part I and appropriate Schedules and Attachments.

**1.31B PJM Control Area:** The Control Area that is recognized by NERC as the PJM Control Area.

**1.32D PJM Manuals:** The instructions, rules, procedures and guidelines established by the Transmission Provider for the operation, planning, and accounting requirements of the PJM region and the PJM Interchange Energy Market.

**1.32F PJM West Region:** The aggregate of the zone of the West Transmission Owners.

**50.44** “Point of Interconnection” shall mean the point or points, shown in the appropriate appendix to the Interconnection Service Agreement and the Construction Service Agreement, where the Customer Interconnection Facilities and/or Merchant Network Upgrade(s) interconnect with the Transmission Owner Interconnection Facilities or the Transmission System.

**50.45** “Project Financing” means:

(a) one or more loans, leases, equity and/or debt financings, together with all

modifications, renewals, supplements, substitutions and replacements thereof, the proceeds of which are used to finance or refinance the costs of the Customer Facility, any alteration, expansion or improvement to the Customer Facility, the purchase and sale of the Customer Facility or the operation of the Customer Facility;

- (b) a power purchase agreement pursuant to which Interconnection Customer's obligations are secured by a mortgage or other lien on the Customer Facility; or
- (c) loans and/or debt issues secured by the Customer Facility.

**50.46** "Project Finance Entity" means (a) a holder, trustee or agent for holders, of any component of Project Financing, or (b) any purchaser of capacity and/or energy produced by the Customer Facility to which Interconnection Customer has granted a mortgage or other lien as security for some or all of Interconnection Customer's obligations under the corresponding power purchase agreement.

**50.47** "Reasonable Efforts" shall mean, with respect to any action required to be made, attempted, or taken by an Interconnection Party under Subpart E or by a Construction Party under Subpart F, such efforts as are timely and consistent with Good Utility Practice and with efforts that such party would undertake for the protection of its own interests.

**1.37A Regional Transmission Expansion Plan:** The plan prepared by the Office of the Interconnection pursuant to Schedule 6 of the Operating Agreement for the enhancement and expansion of the Transmission System in order to meet the demands for firm transmission service in the PJM region

**50.48 [Reserved]**

**50.49** "Schedule of Payments" shall mean that schedule, as revised from time to time as necessary for correlation with the Schedule of Work, attached to the Construction Service Agreement and setting forth the payments due and owing by the Interconnection Customer pursuant to Subpart F.

**50.50** "Schedule of Work" shall mean that schedule, as revised from time to time and attached to the Construction Service Agreement, setting forth the timing of work to be performed by the Constructing Entity pursuant to Subpart F and based upon the Facilities Study.

**50.51** "Scope of Work" shall mean that scope of the work attached as a schedule to the Construction Service Agreement and to be performed by the Constructing Entity(ies) pursuant to Subpart F.

**50.52** "Secondary Systems" shall mean 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.



**50.53** “Security” shall mean the security provided by the Interconnection Customer pursuant to Section 36.8.4 or Section 47.7.4 of the Tariff to secure the Interconnection Customer’s responsibility for Costs under Subpart F and Section 37 or Section 42 of the Tariff.

**50.54** “Site” shall mean all of the real property, including but not limited to any leased real property and easements, on which the Customer Facility is situated and/or on which the Customer Interconnection Facilities are to be located.

**(Attachment K - Appendix)**

**1.3.33B Station Power.**

“Station Power” shall mean energy used for operating the electric equipment on the site of a generation facility located in the PJM Control Area or for the heating, lighting, air-conditioning and office equipment needs of buildings on the site of such a generation facility that are used in the operation, maintenance, or repair of the facility. Station Power does not include any energy used to power synchronous condensers, used for pumping at a pumped storage facility, or used in association with restoration or black start service.

**50.55** “Subpart E” shall refer to Subpart E of Part IV of the Tariff and, where the context so requires, to the Interconnection Service Agreement.

**50.56** “Subpart F” shall refer to Subpart F of Part IV of the Tariff, and, where the context so requires, to the Construction Service Agreement.

**50.57** “Switching and Tagging Rules” shall mean the switching and tagging procedures of Interconnected Transmission Owners and Interconnection Customer, as set forth in an appendix to the Interconnection Service Agreement, and as they may be amended from time to time.

**50.58** “System Protection Facilities” shall mean the equipment required to protect (i) the Transmission System, other delivery systems and/or other generating systems connected to the Transmission System from faults or other electrical disturbance occurring at or on the Customer Facility, and (ii) the Customer Facility from faults or other electrical system disturbance occurring on the Transmission System or on other delivery systems and/or other generating systems to which the Transmission System is directly or indirectly connected. System Protection Facilities shall include such protective and regulating devices as are identified in the Applicable Technical Requirements and Standards or that are required by Applicable Laws and Regulations or other Applicable Standards, or as are otherwise necessary to protect personnel and equipment and to minimize deleterious effects to the Transmission System arising from the Customer Facility.

**1.45A Transmission Injection Rights:** Capacity Transmission Injection Rights and Energy Transmission Injection Rights.

**1.45B Transmission Interconnection Customer:** An entity that submits an Interconnection

Request to interconnect or add Merchant Transmission Facilities to the Transmission System or to increase the capacity of Merchant Transmission Facilities interconnected with the Transmission System in the PJM Control Area or PJM West Region.

**1.45C Transmission Interconnection Facilities Study:** A Facilities Study related to a Transmission Interconnection Request.

**1.45D Transmission Interconnection Feasibility Study:** A study conducted by the Transmission Provider in accordance with Section 41.2 of the Tariff.

**1.45E Transmission Interconnection Request:** A request by a Transmission Interconnection Customer pursuant to Part IV of the Tariff to interconnect or add Merchant Transmission Facilities to the Transmission System or to increase the capacity of existing Merchant Transmission Facilities interconnected with the Transmission System in the PJM Control Area or PJM West Region.

**1.45F Transmission Owner:** Each entity that owns, leases or otherwise has a possessory interest in facilities used for the transmission of electric energy in interstate commerce under the Tariff. The Transmission Owners are listed in Attachment L.

**50.59** “Transmission Owner Attachment Facilities” shall mean that portion of the Transmission Owner Interconnection Facilities comprised of all Attachment Facilities on the Interconnected Transmission Owner’s side of the Point of Interconnection.

**50.60** “Transmission Owner Interconnection Facilities” shall mean all Interconnection Facilities that are not Customer Interconnection Facilities and that, after the transfer under Section 85.5 below to the Interconnected Transmission Owner of title to any Transmission Owner Interconnection Facilities that the Interconnection Customer constructed, are owned, controlled, operated and maintained by the Interconnected Transmission Owner on the Interconnected Transmission Owner’s side of the Point of Interconnection identified in appendices to the Interconnection Service Agreement and to the Construction Service Agreement, including any modifications, additions or upgrades made to such facilities and equipment, that are necessary to physically and electrically interconnect the Customer Facility with the Transmission System or interconnected distribution facilities

**1.46 Transmission Provider:** The Transmission Provider shall be the Office of the Interconnection for all purposes, provided that the Transmission Owners will have the responsibility for the following specified activities:

- (a) The Office of the Interconnection shall direct the operation and coordinate the maintenance of the Transmission System, except that the Transmission Owners will continue to direct the operation and maintenance of those transmission facilities that are not listed in the PJM Designated Facilities List contained in the PJM Manual on Transmission Operations;
- (b) Each Transmission Owner shall physically operate and maintain all of the facilities

that it owns; and

- (c) When studies conducted by the Office of the Interconnection indicate that enhancements or modifications to the Transmission System are necessary, the Transmission Owners shall have the responsibility, in accordance with the applicable terms of the Tariff, Operating Agreement and/or Transmission Owners Agreement or West Transmission Owners Agreement, to construct, own, and finance the needed facilities or enhancements or modifications to facilities.

**1.49 Transmission System:** The facilities controlled or operated by the Transmission Provider within the PJM Control Area and PJM West Region that are used to provide transmission service under Part II and Part III of the Tariff.

**1.49A Transmission Withdrawal Rights:** Firm Transmission Withdrawal Rights and Non-Firm Transmission Withdrawal Rights.

## **APPENDIX2**

### **SUBPART E - TERMS AND CONDITIONS**

## **51 Commencement, Term Of And Conditions Precedent To Interconnection Service**

**51.1 Commencement Date.** Subject to regulatory acceptance, an Interconnection Service Agreement entered into pursuant to this Subpart E shall become effective upon its execution by all Interconnection Parties, or, if the agreement is filed unexecuted, upon the date specified by FERC. Interconnection Service under this Subpart shall commence upon the satisfaction of the conditions precedent set forth in Section 51.2 below.

**51.2 Conditions Precedent.** The following conditions must be satisfied prior to the commencement of Interconnection Service under this Subpart:

- (a) An Interconnection Service Agreement in conformity with Section 36.8 or Section 41.7 of the Tariff among the Transmission Provider, the Interconnection Customer and the Interconnected Transmission Owner for the Customer Facility shall have been accepted for filing by the FERC;
- (b) All requirements for Initial Operation as specified in Section 51.4 below shall have been met and Initial Operation of the Customer Facility shall have been completed.
- (c) Interconnection Customer shall be in compliance with all Applicable Technical Requirements and Standards for interconnection under the Tariff (as determined by the Transmission Provider).

**51.3 Term.** An Interconnection Service Agreement shall remain in full force and effect until it is terminated in accordance with Section 66 of this Subpart E.

**51.4 Initial Operation.** The following requirements shall be satisfied prior to Initial Operation of the Customer Facility:

**51.4.1** The construction of all Interconnection Facilities necessary for the interconnection of the Customer Facility has been completed;

**51.4.2** The Interconnected Transmission Owner has accepted any Interconnection Facilities and/or Merchant Network Upgrades constructed by Interconnection Customer pursuant to Section 83.10 of the Tariff;

**51.4.3** Interconnection Customer and the Interconnected Transmission Owner have all necessary systems and personnel in place to allow for parallel operation of their respective facilities;

**51.4.4** Interconnected Transmission Owner has received all applicable documentation for the Interconnection Facilities and/or Merchant Network Upgrades built by the Interconnection Customer, certified as correct, including, but not limited to, marked-up drawings reflecting the as-built condition, pre-operation test reports, and instruction books; and

**51.4.5** Interconnection Customer shall have received any necessary authorization from Transmission Provider to synchronize with the Transmission System or to energize, as applicable per the determination of Transmission Provider, the Customer Facility and Interconnection Facilities.

**51.5 Survival.** The Interconnection Service Agreement shall continue in effect after termination to the extent necessary to provide for final billings and payments; to permit the determination and enforcement of liability and indemnification obligations arising from acts or events that occurred while the Interconnection Service Agreement was in effect; and to permit each Interconnection Party to have access to the real property, including but not limited to leased property and easements of the other Interconnection Parties pursuant to Section 66 to disconnect, remove or salvage its own facilities and equipment.

## **52 Interconnection Service**

**52.1 Scope of Service.** Interconnection Service shall be provided to the Interconnection Customer at the Point of Interconnection (a), in the case of interconnection of the Customer Facility of a Generation Interconnection Customer, up to the Maximum Facility Output, and (b), in the case of interconnection of the Customer Facility of a Transmission Interconnection Customer, up to the Nominal Rated Capability. The location of the Point of Interconnection shall be mutually agreed by the Interconnected Entities, provided, however, that if the Interconnected Entities are unable to agree on the Point of Interconnection, the Transmission Provider shall determine the Point of Interconnection, provided that Transmission Provider shall not select a Point of Interconnection that would impose excessive costs on either of the Interconnected Entities and shall take material system reliability considerations into account in such selection. Specifications for the Customer Facility and the location of the Point of Interconnection shall be set forth in an appendix to the Interconnection Service Agreement and shall conform to those stated in the Facilities Study.

**52.2 Non-Standard Terms.** The standard terms and conditions of this Subpart E shall not apply, to such extent as Transmission Provider determines to be reasonably necessary to accommodate such circumstances, in the event that the Interconnection Customer acquires an ownership interest in facilities which, under the standard terms and conditions of Subpart F, would be part of the Transmission Owner Interconnection Facilities. In such circumstances and to the extent determined by Transmission Provider to be reasonably necessary, non-standard terms and conditions mutually agreed upon by all Interconnection Parties shall apply, subject to FERC and any other necessary regulatory acceptance or approval. In addition, a Generation Interconnection Customer that acquires an ownership interest in such facilities shall become, and shall remain for so long as it retains such interest, a signatory to either the Transmission Owners Agreement or the West Transmission Owners Agreement, as appropriate.

**52.3 No Transmission Services.** The execution of an Interconnection Service Agreement does not constitute a request for transmission service, or entitle Interconnection Customer to receive transmission service, under Part II or Part III of the Tariff. Nor does the execution of an Interconnection Service Agreement obligate the Interconnected Transmission Owner or Transmission Provider to procure, supply or deliver to Interconnection Customer or the Customer Facility any energy, capacity, Ancillary Services or Station Power (and any associated distribution services).

**52.4 Use of Distribution Facilities.** To the extent that a Generation Interconnection Customer uses distribution facilities for the purpose of delivering energy to the Transmission System, Interconnection Service under this Tariff shall include the construction and/or use of such distribution facilities. In such cases, to such extent as Transmission Provider determines to be reasonably necessary to accommodate such circumstances, the Interconnection Service Agreement may include non-standard terms and conditions mutually agreed upon by all Interconnection Parties as needed to conform with Applicable Laws and Regulations and Applicable Standards relating to such distribution facilities.

## **53 Modification Of Facilities**

**53.1 General.** Subject to Applicable Laws and Regulations and to any applicable requirements or conditions of the Tariff and the Operating Agreement, either Interconnected Entity may undertake modifications to its facilities. In the event that an Interconnected Entity plans to undertake a modification that reasonably may be expected upon completion to have a permanent material impact on the other Interconnected Entity's facilities, that Interconnected Entity, in accordance with Good Utility Practice, shall provide the other Interconnection Parties with sufficient information regarding such modification, so that the other Interconnection Parties may evaluate the potential impact of such modification prior to commencement of the work. The Interconnected Entity desiring to perform such modification shall provide the relevant drawings, plans, and specifications to the other Interconnection Parties at least ninety days, or such shorter period to which the Interconnection Parties receiving the information may agree (which agreement shall not unreasonably be withheld, conditioned, or delayed), in advance of the beginning of the work. The Interconnection Customer shall notify Transmission Provider and Interconnected Transmission Owner of the proposed modifications and Transmission Provider shall provide, within sixty days of receipt of the relevant drawings and specifications (or within such other time upon which the Interconnection Parties may agree), an estimate of any modifications to the Transmission System that would be necessary to accommodate the proposed modifications by Interconnection Customer and a good faith estimate of the costs thereof.

**53.2 Interconnection Request.** This Section 53 of Subpart E shall not apply to any proposed modifications by Interconnection Customer to its facilities for which

Interconnection Customer must make an Interconnection Request under the Tariff. In such circumstances, the Interconnection Customer and Transmission Provider shall follow the requirements of Subpart A and/or Subpart B of Part IV of the Tariff.

**53.3 Standards.** Any additions, modifications, or replacements made to an Interconnected Entity's facilities shall be constructed and operated in accordance with Good Utility Practice, Applicable Standards and Applicable Laws and Regulations.

**53.4 Modification Costs.** Unless otherwise required by Applicable Laws and Regulations or this Subpart E and, with respect to a Transmission Interconnection Customer, subject to the terms of Section 49A.2 of the Tariff:

- (a) Interconnection Customer shall not be responsible for the costs of any additions, modifications, or replacements that the Interconnected Transmission Owner in its discretion or at the direction of Transmission Provider makes to the Interconnection Facilities or the Transmission System in order to facilitate the interconnection of a third party to the Interconnection Facilities or the Transmission System, or to provide transmission service under the Tariff to a third party.
- (b) Interconnection Customer shall be responsible for the costs of any additions, modifications, or replacements to the Interconnection Facilities or the Transmission System that are required, in accord with Good Utility Practice and/or to maintain compliance with Applicable Laws and Regulations or Applicable Standards, in order to accommodate additions, modifications, or replacements made by Interconnection Customer to the Customer Facility or to the Customer Interconnection Facilities.
- (c) Interconnection Customer shall be responsible for the costs of any additions, modifications, or replacements to the Customer Interconnection Facilities or the Customer Facility that are required, in accord with Good Utility Practice and/or to maintain compliance with Applicable Laws and Regulations or Applicable Standards, in order to accommodate additions, modifications, or replacements that Transmission Provider or the Interconnected Transmission Owner makes to the Transmission System or to the Transmission Owner Interconnection Facilities, but only to the extent that Transmission Provider's or the Interconnected Transmission Owner's changes to the Transmission System or the Transmission Owner Interconnection Facilities are made pursuant to Good Utility Practice and/or to maintain compliance with Applicable Laws and Regulations or Applicable Standards.



- 54.1 General.** Each Interconnected Entity shall operate, or shall cause operation of, its facilities in a safe and reliable manner in accord with (i) the terms of this Subpart; (ii) Applicable Standards; (iii) applicable rules, procedures and protocols set forth in the Tariff and the Operating Agreement, as any or all may be amended from time to time; (iv) Applicable Laws and Regulations, and (v) Good Utility Practice.
- 54.2 Operation of Merchant Network Upgrades.** Unless otherwise provided in the Interconnection Service Agreement, the Interconnected Transmission Owner that owns Transmission System facilities to which any Merchant Network Upgrades are connected shall operate such Merchant Network Upgrades (a) on behalf and at the expense of the Interconnection Customer that constructed or caused construction of the pertinent Merchant Network Upgrades and (b) in accordance with this Subpart E and with an agreement between the Interconnected Transmission Owner and the Interconnection Customer regarding such operation.
- 54.3 Interconnection Customer Obligations.** Interconnection Customer shall obtain Transmission Provider's approval prior to either synchronizing with the Transmission System or energizing, as applicable per the determination of Transmission Provider, the Customer Facility or, except in an Emergency Condition, disconnecting the Customer Facility from the Transmission System, and shall coordinate such synchronizations, energizations, and disconnections with the Interconnected Transmission Owner.
- 54.4 [Reserved]**
- 54.5 Permits and Rights-of-Way.** Each Interconnected Entity at its own expense shall maintain in full force and effect all permits, licenses, rights-of-way and other authorizations as may be required to maintain the Customer Facility and the Interconnection Facilities that the entity owns, operates and maintains and, upon reasonable request of the other Interconnected Entity, shall provide copies of such permits, licenses, rights-of-way and other authorizations at its own expense to the requesting party.
- 54.6 No Ancillary Services.** Except as provided in Section 54.7, nothing in this Subpart E is intended to obligate the Interconnection Customer to supply Ancillary Services to either Transmission Provider or the Interconnected Transmission Owner.
- 54.7 Reactive Power.**
- 54.7.1 Reactive Power Design Criteria.** Except as Transmission Provider determines otherwise for small generation resources (as described in the Preamble to Subpart G of Part IV of the Tariff), a Generation Interconnection Customer shall design its Customer Facility to maintain a composite power delivery at continuous rated power output at the generator's terminals at a power factor of at least 0.95 leading to 0.90

lagging. Any different reactive power design criteria that Transmission Provider determines to be appropriate for a small generation resource shall be stated as a non-standard term of the Interconnection Service Agreement. A Transmission Interconnection Customer interconnecting Merchant D.C. Transmission Facilities shall design its Customer Facility to maintain a composite power delivery over the entire operating range of the facility at a power factor of at least 0.95 leading and 0.95 lagging at the Point(s) of Interconnection.

**54.7.2 Obligation to Supply Reactive Power.** Interconnection Customer agrees, as and when so directed by Transmission Provider or when so directed by the Interconnected Transmission Owner acting on behalf or at the direction of Transmission Provider, to operate the Customer Facility to produce reactive power within the design limitations of the Customer Facility pursuant to voltage schedules, reactive power schedules or power factor schedules established by Transmission Provider or, as appropriate, the Interconnected Transmission Owner. Transmission Provider shall maintain oversight over such schedules to ensure that all sources of reactive power in the PJM Control Area or the PJM West Region, as applicable, are treated in an equitable and not unduly discriminatory manner. Interconnection Customer agrees that Transmission Provider and the Interconnected Transmission Owner, acting on behalf or at the direction of Transmission Provider, may make changes to the schedules that they respectively establish as necessary to maintain the reliability of the Transmission System.

**54.7.3 Deviations from Schedules.** In the event that operation of the Customer Facility of an Interconnection Customer causes the Transmission System or the Interconnected Transmission Owner's facilities to deviate from appropriate voltage schedules and/or reactive power schedules as specified by Transmission Provider or the Interconnected Transmission Owner's operations control center (acting on behalf or at the direction of Transmission Provider), or that otherwise is inconsistent with Good Utility Practice and results in an unreasonable deterioration of the quality of electric service to other customers of Transmission Provider or the Interconnected Transmission Owner, the Interconnection Customer shall, upon discovery of the problem or upon notice from Transmission Provider or the Interconnected Transmission Owner, acting on behalf or at the direction of Transmission Provider, take whatever steps are reasonably necessary to alleviate the situation at its expense, in accord with Good Utility Practice and within the reactive capability of the Customer Facility. In the event that the Interconnection Customer does not alleviate the situation within a reasonable period of time following Transmission Provider's or the Interconnected Transmission Owner's notice thereof, the Interconnected Transmission Owner, with Transmission Provider's approval, upon notice to the Interconnection Customer and at the

Interconnection Customer's expense, may take appropriate action, including installation on the Transmission System of power factor correction or other equipment, as is reasonably required, consistent with Good Utility Practice, to remedy the situation cited in Transmission Provider's or the Interconnected Transmission Owner's notice to the Interconnection Customer under this section.

**54.7.4 Payment for Reactive Power.** Any payments to the Interconnection Customer for reactive power shall be in accordance with Schedule 2 of the Tariff.

**54.8 [Reserved]**

**54.9 Protection and System Quality.**

**54.9.1 System Protection.** Interconnection Customer shall, at its expense, install, operate and maintain such System Protection Facilities as may be required in connection with operation of the Customer Facility and the Customer Interconnection Facilities consistent with Applicable Technical Requirements and Standards. Interconnected Transmission Owner shall install any System Protection Facilities that may be required, as determined by Transmission Provider, on the Transmission Owner Interconnection Facilities or the Transmission System in connection with the operation of the Customer Facility and the Customer Interconnection Facilities. Responsibility for the cost of any System Protection Facilities required on the Transmission Owner Interconnection Facilities or the Transmission System shall be allocated as provided in Section 37 or Section 42 of the Tariff.

**54.9.2 Power Quality.** The Customer Facility and Customer Interconnection Facilities shall not cause excessive deviations from the power quality criteria set forth in the Applicable Technical Requirements and Standards.

**54.10 [Reserved]**

**54.11 Access Rights.** Each Interconnected Entity shall provide the other Interconnected Entity access to areas under its control as reasonably necessary to permit the other Interconnected Entity to perform its obligations under this Subpart, including operation and maintenance obligations. An Interconnected Entity that obtains such access shall comply with all safety rules applicable to the area to which access is obtained. Each Interconnected Entity agrees to inform the other Interconnected Entity's representatives of safety rules applicable to an area.

**54.12 Switching and Tagging Rules.** The Interconnected Entities shall comply with applicable Switching and Tagging Rules as stated in the applicable appendix to the Interconnection Service Agreement in obtaining clearances for work or for

switching operations on equipment. Such Switching and Tagging Rules shall be developed in accordance with OSHA standards codified at 29 CFR Part 1910, or successor standards. Each Interconnected Entity shall provide the other Interconnected Entity a copy of its Switching and Tagging Rules that are applicable to the other Interconnected Entity's activities.

**54.13 Communications and Data Protocol.** The Interconnected Entities shall comply with any communications and data protocol that the Transmission Provider may establish.

**54.14 Nuclear Generating Facilities.** In the event that the Customer Facility is a nuclear generating facility, the Interconnection Parties shall agree to such non-standard terms and conditions as are reasonably necessary to accommodate the Interconnection Customer's satisfaction of Nuclear Regulatory Commission requirements relating to the safety and reliability of operations of such facilities.

## **55 Maintenance**

**55.1 General.** Each Interconnected Entity shall maintain, or shall cause the maintenance of, its facilities in a safe and reliable manner in accord with (i) the terms of this Subpart; (ii) Applicable Standards; (iii) applicable rules, procedures and protocols set forth in the Tariff and the Operating Agreement, as any or all may be amended from time to time; (iv) Applicable Laws and Regulations, and (v) Good Utility Practice.

**55.2 Maintenance of Merchant Network Upgrades.** Unless otherwise provided in the Interconnection Service Agreement, the Interconnected Transmission Owner that owns Transmission System facilities to which any Merchant Network Upgrades are connected shall maintain such Merchant Network Upgrades (a) on behalf and at the expense of the Interconnection Customer that constructed or caused construction of the pertinent Merchant Network Upgrades and (b) in accordance with this Subpart E and with an agreement between the Interconnected Transmission Owner and the Interconnection Customer regarding such maintenance.

### **55.3 Outage Authority and Coordination.**

**55.3.1 Coordination.** The Interconnection Parties agree to confer regularly to coordinate the planning, scheduling and performance of preventive and corrective maintenance on the Customer Facility, the Customer Interconnection Facilities and any Attachment Facilities owned by the Interconnected Transmission Owner.

**55.3.2 Authority.** Each Interconnected Entity may, in accordance with Good Utility Practice, remove from service its facilities that may affect the other Interconnected Entity's facilities in order to perform maintenance or testing

or to install or replace equipment. Except in the event of an Emergency Condition, the Interconnection Customer proposing to remove such facilities from service shall provide prior notice of such activities to the Transmission Provider and the Interconnected Transmission Owner, and the Interconnected Entities shall coordinate all scheduling of planned facility outages with Transmission Provider, in accordance with applicable sections of the Operating Agreement, the PJM Manuals and any other applicable operating guidelines or directives of the Transmission Provider. Subject to the foregoing, the Interconnected Entity scheduling a facility outage shall use Reasonable Efforts to coordinate such outage with the other Interconnected Entity's scheduled outages.

**55.3.3 Outages Required for Maintenance.** Subject to any necessary approval by Transmission Provider, each Interconnected Entity shall provide necessary equipment outages to allow the other Interconnected Entity to perform periodic maintenance, repair or replacement of its facilities and such outages shall be provided at mutually agreeable times, unless conditions arise which an Interconnected Entity believes, in accordance with Good Utility Practice, may endanger persons or property.

**55.3.4 Rescheduling of Planned Outages.** To the extent so provided by the Tariff, the Operating Agreement, and the PJM Manuals, an Interconnected Entity may seek compensation from Transmission Provider for any costs related to rejection by Transmission Provider of a request of such Interconnected Entity for a planned maintenance outage.

**55.3.5 Outage Restoration.** If an outage on an Interconnected Entity's facilities adversely affects the other Interconnected Entity's facilities, the Interconnected Entity that owns or controls the facility that is out of service shall use Reasonable Efforts to restore the facility to service promptly.

**55.4 Inspections and Testing.** Each Interconnected Entity shall 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 Customer Facility with the Transmission System in a safe and reliable manner. Each Interconnected Entity shall have the right, upon advance written notice, to request reasonable additional testing of an Interconnected Entity's facilities for good cause, as may be in accordance with Good Utility Practice.

**55.5 Right to Observe Testing.** Each Interconnected Entity shall notify the other Interconnected Entity in advance of its performance of tests of its portion of the Interconnection Facilities or of any Merchant Network Upgrades. The other Interconnected Entity shall, at its own expense, have the right to observe such testing.

**55.6 Secondary Systems.** Each Interconnected Entity agrees to cooperate with the other in the inspection, maintenance, and testing of those Secondary Systems directly affecting the operation of an Interconnected Entity's facilities and equipment which may reasonably be expected to affect the other Interconnected Entity's facilities. Each Interconnected Entity shall provide advance notice to the other Interconnected Entity before undertaking any work on such equipment, especially in electrical circuits involving circuit breaker trip and close contacts, current transformers, or potential transformers.

**55.7 Access Rights.** Each Interconnected Entity shall provide the other Interconnected Entity access to areas under its control as reasonably necessary to permit the other Interconnected Entity to perform its obligations under this Subpart, including operation and maintenance obligations. An Interconnected Entity that obtains such access shall comply with all safety rules applicable to the area to which access is obtained. Each Interconnected Entity agrees to inform the other Interconnected Entity's representatives of safety rules applicable to an area.

**55.8 Observation of Deficiencies.** If an Interconnection Party observes any Abnormal Condition on, or becomes aware of a lack of scheduled maintenance and testing with respect to, an Interconnection Party's facilities and equipment that might reasonably be expected to adversely affect the observing Interconnection Party's facilities and equipment, the observing Interconnection Party shall provide prompt notice under the circumstances to the appropriate Interconnection Party, and such Interconnection Party shall consider such notice in accordance with Good Utility Practice. Any Interconnection Party's review, inspection, and approval related to the other Interconnection Party's facilities and equipment shall be limited to the purpose of assessing the safety, reliability, protection and control of the Transmission System and shall not be construed as confirming or endorsing the design of such facilities and equipment, or as a warranty of any type, including safety, durability or reliability thereof. Notwithstanding the foregoing, the observing Interconnection Party shall have no liability whatsoever for failure to give a deficiency notice to the other Interconnection Party and the Interconnected Entity that owns the relevant Interconnection Facilities shall remain fully liable for its failure to determine and correct deficiencies and defects in its facilities and equipment.

## **56 Emergency Operations**

**56.1 Obligations.** Subject to Applicable Laws and Regulations, each Interconnection Party shall comply with the Emergency Condition procedures of NERC, the Applicable Reliability Council, Transmission Provider, the Interconnected Transmission Owner and Interconnection Customer.

**56.2 Notice.** Each Interconnection Party shall notify the other parties promptly when it becomes aware of an Emergency Condition that may reasonably be expected to affect operation of the Customer Facility, the Customer Interconnection Facilities,

the Transmission Owner Interconnection Facilities, or the Transmission System. 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 facilities and/or operation thereof, 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.

**56.3 Immediate Action.** An Interconnection Party becoming aware of an Emergency Condition may take such action, including disconnection of the Customer Facility from the Transmission System, as is reasonable and necessary in accord with Good Utility Practice (i) to prevent, avoid, or mitigate injury or danger to, or loss of, life or property; (ii) to preserve the reliability of, in the case of Interconnection Customer, the Customer Facility, or, in the case of Transmission Provider or the Interconnected Transmission Owner, the Transmission System and interconnected sub-transmission and distribution facilities; or (iii) to expedite restoration of service. Unless, in Interconnection Customer's reasonable judgment, immediate action is required to prevent imminent loss of life or property, Interconnection Customer shall obtain the consent of Transmission Provider and the Interconnected Transmission Owner prior to performing any manual switching operations at the Customer Facility or the Generation Interconnection Facilities. Each Interconnection Party shall use Reasonable Efforts to minimize the effect of its actions during an Emergency Condition on the facilities and operations of the other Interconnection Parties.

**56.4 Record-Keeping Obligations.** Each Interconnection Party shall keep and maintain records of actions taken during an Emergency Condition that may reasonably be expected to affect the other parties' facilities and make such records available for audit in accordance with Section 69.3.

## **57 Safety**

**57.1 General.** Each Interconnected Entity shall perform all work under this Subpart that may reasonably be expected to affect the other Interconnected Entity in accordance with Good Utility Practice and all Applicable Laws and Regulations pertaining to the safety of persons or property. An Interconnected Entity performing work within the boundaries of the other Interconnected Entity's facilities must abide by the safety rules applicable to the site. Each party agrees to inform the other party's representatives of applicable safety rules that must be obeyed on the premises.

**57.2 Environmental Releases.** Each Interconnected Entity shall notify the other Interconnection Parties, first orally and promptly thereafter in writing, of the release of any Hazardous Substances, any asbestos or lead abatement activities, or any type of remediation activities, related to the Customer Facility or the Interconnection Facilities, any of which may reasonably be expected to affect one or both of the other parties. The notifying party shall (i) provide the notice as soon

as possible; (ii) make a good faith effort to provide the notice within twenty-four (24) hours after the party becomes aware of the occurrence; and (iii) promptly furnish to the other parties copies of any publicly available reports filed with any governmental agencies addressing such events.

## **58      Metering**

**58.1      General.** Interconnection Customer shall have the right to install, own, operate, test and maintain the necessary Metering Equipment. In the event that Interconnection Customer exercises this option, the Interconnected Transmission Owner shall have the right to install its own check meter(s), at its own expense, at or near the location of the Metering Equipment. If both Interconnection Customer and Interconnected Transmission Owner install meters, the meter installed by the Interconnection Customer shall control unless it is determined by testing to be inaccurate. If the Interconnection Customer does not exercise the option provided by the first sentence of this section, the Interconnected Transmission Owner shall have the option to install, own, operate, test and maintain all necessary Metering Equipment at Interconnection Customer's expense. If the Interconnected Transmission Owner does not exercise this option, the Interconnection Customer shall install, own, operate, test and maintain all necessary Metering Equipment. Transmission Provider shall determine the location where the Metering Equipment shall be installed, after consulting with Interconnection Customer and the Interconnected Transmission Owner. All Metering Equipment shall be tested prior to any operation of the Customer Facility. Power flows to and from the Customer Facility shall be compensated to the Point of Interconnection, or, upon the mutual agreement of the Interconnected Transmission Owner and the Interconnection Customer, to another location.

**58.2      Standards.** All Metering Equipment installed pursuant to this Subpart shall be revenue quality Metering Equipment and shall satisfy applicable ANSI standards and Transmission Provider's metering standards and requirements. Nothing in this Subpart precludes the use of Metering Equipment for any retail services of the Interconnected Transmission Owner provided, however, that in such circumstances Applicable Laws and Regulations shall control.

**58.3      Testing of Metering Equipment.** The Interconnected Entity that, pursuant to Section 58.1, owns the Metering Equipment shall operate, maintain, inspect and test all Metering Equipment upon installation and at least once every two years thereafter. Upon reasonable request by the other Interconnected Entity, the owner of the Metering Equipment shall inspect or test the Metering Equipment more frequently than every two years, but in no event more frequently than three times in any 24-month period. The owner of the Metering Equipment shall give reasonable notice to the Interconnection Parties of the time when any inspection or test of the owner's Metering Equipment shall take place, and the other parties may have representatives present at the test or inspection. If Metering Equipment is found to be inaccurate or defective, it shall be adjusted, repaired or replaced in



order to provide accurate metering. Where the Interconnected Transmission Owner owns the Metering Equipment, the expense of such adjustment, repair or replacement shall be borne by the Interconnection Customer, except that the Interconnection Customer shall not be responsible for such expenses where the inaccuracy or defect is caused by the Interconnected Transmission Owner. If Metering Equipment fails to register, or if the measurement made by Metering Equipment during a test varies by more than one percent from the measurement made by the standard meter used in the test, the owner of the Metering Equipment shall inform Transmission Provider, and the Transmission Provider shall inform the other Interconnected Entity, of the need to correct all measurements made by the inaccurate meter for the period during which the inaccurate measurements were made, if the period can be determined. If the period of inaccurate measurement cannot be determined, the correction shall be for the period immediately preceding the test of the Metering Equipment that is equal to one-half of the time from the date of the last previous test of the Metering Equipment, provided that the period subject to correction shall not exceed nine (9) months.

**58.4 Metering Data.** At Interconnection Customer's expense, the metered data shall be telemetered to a location designated by Transmission Provider, to a location designated by the Interconnected Transmission Owner, and to a location designated by Interconnection Customer. Data from the Metering Equipment at the Point of Interconnection shall be used, under normal operating conditions, as the official measurement of the amount of energy delivered from or to the Customer Facility to the Point of Interconnection, provided that the Transmission Provider's rules applicable to Station Power shall control with respect to a Generation Interconnection Customer's consumption of Station Power.

**58.5 Communications.**

**58.5.1 Interconnection Customer Obligations.** Interconnection Customer shall install and maintain satisfactory operating communications with Transmission Provider's system dispatcher or its other designated representative and with the Interconnected Transmission Owner. Interconnection Customer shall provide standard voice line, dedicated voice line and facsimile communications at its Customer Facility control room through use of the public telephone system. Interconnection Customer also shall provide and maintain backup communication links with both Transmission Provider and Interconnected Transmission Owner for use during abnormal conditions as specified by Transmission Provider and Interconnected Transmission Owner, respectively. Interconnection Customer further shall provide the dedicated data circuit(s) necessary to provide Interconnection Customer data to the Transmission Provider and Interconnected Transmission Owner as necessary to conform with Applicable Technical Requirements and Standards.

**58.5.2 Remote Terminal Unit.** Prior to any operation of the Customer Facility,

a remote terminal unit, or equivalent data collection and transfer equipment acceptable to the Interconnection Parties, shall be installed by Interconnection Customer, or by the Interconnected Transmission Owner at Interconnection Customer's expense, to gather accumulated and instantaneous data to be telemetered to the location(s) designated by Transmission Provider and Interconnected Transmission Owner through use of a dedicated point-to-point data circuit(s) as indicated in Section 58.5.1. Instantaneous, bi-directional real power and, with respect to a Generation Interconnection Customer's Customer Facility, reactive power flow information, must be telemetered directly to the location(s) specified by Transmission Provider and the Interconnected Transmission Owner.

## **59 Force Majeure**

- 59.1 Notice.** An Interconnection Party that is unable to carry out an obligation imposed on it by this Subpart due to Force Majeure shall notify the other parties in writing or by telephone within a reasonable time after the occurrence of the cause relied on.
- 59.2 Duration of Force Majeure.** An Interconnection Party shall not be responsible, or considered to be in Breach or Default under this Subpart, for any non-performance, any interruption or failure of service, deficiency in the quality or quantity of service, or any other failure to perform any obligation hereunder to the extent that such failure or deficiency is due to Force Majeure. An Interconnection Party shall be excused from whatever performance is affected only for the duration of the Force Majeure and while the Interconnection Party exercises Reasonable Efforts to alleviate such situation. As soon as the non-performing Interconnection Party is able to resume performance of its obligations excused because of the occurrence of Force Majeure, such Interconnection Party shall resume performance and give prompt notice thereof to the other parties.
- 59.3 Obligation to Make Payments.** Any Interconnection Party's obligation to make payments for services shall not be suspended by Force Majeure.

## **60 Charges**

- 60.1 Specified Charges.** If and to the extent required by the Interconnected Transmission Owner, Interconnection Customer shall pay one or more of the types of charges described in this section to compensate the Interconnected Transmission Owner for costs incurred in performing certain of its obligations under this Subpart. All such charges shall be stated in an attachment to the Interconnection Service Agreement. Interconnected Transmission Owner shall provide Transmission Provider and Interconnection Customer with appropriate cost data, schedules and/or written testimony in support of any charges under this section in such manner and at such time as to allow Transmission Provider to include such materials in its filing of the Interconnection Service Agreement with

the FERC. Transmission Provider will deliver a copy of such filing to Interconnection Customer. Permissible charges under this section may include:

- (a) Administration Charge - Any such charge may recover only the costs and expenses incurred by the Interconnected Transmission Owner in connection with administrative obligations such as the preparation of bills, the processing of Customer Facility-specific data on energy delivered at the Point of Interconnection and costs incurred in similar types of administrative processes related to Interconnection Customer's Interconnection Service. An Administration Charge shall not be permitted to the extent that the Interconnected Transmission Owner's other charges to the Interconnection Customer under the same Interconnection Service Agreement include an allocation of Interconnected Transmission Owner's administrative and general expenses and/or other corporate overhead costs.
- (b) Metering Charge - Any such charge may recover only the Interconnected Transmission Owner's costs and expenses associated with operation, maintenance, inspection, testing, and carrying or capital replacement charges for any Metering Equipment that is owned by the Interconnected Transmission Owner.
- (c) Telemetry Charge - Any such charge may recover only the Interconnected Transmission Owner's costs and expenses associated with operation, maintenance, inspection, testing, and carrying or capital replacement charges for any telemetry equipment that is owned by the Interconnected Transmission Owner and that is used exclusively in conjunction with Interconnection Service for the Interconnection Customer.
- (d) Customer Facility Operations and Maintenance Charge - Any such charge may recover only the Interconnected Transmission Owner's costs and expenses associated with operation, maintenance, inspection, testing, modifications, taxes and carrying or capital replacement charges for Attachment Facilities related to the Interconnection Customer's Interconnection Service and that are owned by the Interconnected Transmission Owner, provided that
  - (i) any such charge shall exclude costs and expenses associated with Transmission Owner Interconnection Facilities owned by the Interconnected Transmission Owner that are radial line facilities that serve load in addition to an Interconnection Customer; and
  - (ii) except as otherwise provided by Applicable Laws and Regulations, any such charge may include only an allocated share, derived in accordance with the allocations contained in the Facilities Study, of costs and expenses associated with Transmission Owner

Interconnection Facilities owned by the Interconnected Transmission Owner that are radial line facilities that serve more than one Interconnection Customer.

At the discretion of the affected Interconnected Entities, a Customer Facility Operations and Maintenance Charge authorized under this section may apply on a per-incident basis or on a monthly or other periodic basis.

- (e) Other Charges - Any other charges applicable to the Interconnection Customer, as mutually agreed upon by the Interconnection Customer and the Interconnected Transmission Owner and as accepted by the FERC as part of an Interconnection Service Agreement.

**60.2 FERC Filings.** To the extent required by law or regulation, each Interconnection Party shall seek FERC acceptance or approval of its respective charges or the methodology for the calculation of such charges.

## **61 Billing And Payments**

**61.1 General.** Except as, and to the extent, otherwise provided in the Interconnection Service Agreement, billing and payment of any charges applicable to Interconnection Service under this Subpart E shall be in accordance with Section 7 of the Tariff. The Interconnected Transmission Owner shall provide Transmission Provider with all necessary information and supporting data that Transmission Provider may reasonably require to administer billing for and payment of applicable charges under this Subpart E. Transmission Provider shall remit to the Interconnected Transmission Owner revenues received in payment of Interconnected Transmission Owner's charges to Interconnection Customer under this Subpart E upon Transmission Provider's receipt of such revenues. At Transmission Provider's reasonable discretion, charges to Interconnection Customer and remittances to Interconnected Transmission Owner under this Subpart E may be netted against other amounts owed by or to such parties under the Tariff.

**61.2 Billing Disputes.** In the event of a billing dispute between Transmission Provider and Interconnection Customer, Transmission Provider shall continue to provide interconnection service under this Subpart of the Tariff as long as Interconnection Customer (i) continues to make all payments not in dispute, and (ii) pays to Transmission Provider 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 shall so inform the Interconnection Parties and may provide notice to Interconnection Customer of a Breach pursuant to Section 65 of the Tariff. Within thirty days after the resolution of the dispute, the Interconnection Party that owes money to the other Interconnection Party shall pay the amount due with interest calculated in accord with Section 61.4.

**61.3 No Waiver.** Payment of an invoice shall not relieve Interconnection Customer from any other responsibilities or obligations it has under this Subpart, nor shall such payment constitute a waiver of any claims arising hereunder.

**61.4 Interest.** Interest on any unpaid amounts shall be calculated in accordance with the methodology specified for interest on refunds in the FERC's regulations at 18 C.F.R. § 35.19a(a)(2)(iii). Interest on delinquent amounts shall be calculated from the due date of the bill to the date of payment.

## **62 Assignment**

**62.1 Assignment with Prior Consent.** Except as provided in Section 62.2, no Interconnection Party shall assign its rights or delegate its duties, or any part of such rights or duties, under the Interconnection Service Agreement without the written consent of the other Interconnection Parties, which consent shall not be unreasonably withheld, conditioned, or delayed. Any such assignment or delegation made without such written consent shall be null and void. An Interconnection Party may make an assignment in connection with the sale, merger, or transfer of a substantial portion or all of its properties including the Interconnection Facilities which it owns, so long as the assignee in such a sale, merger, or transfer assumes in writing all rights, duties and obligations arising under this Subpart and the Interconnection Service Agreement. In addition, the Interconnected Transmission Owner shall be entitled, subject to Applicable Laws and Regulations, to assign the Interconnection Service Agreement to any Affiliate or successor that owns and operates all or a substantial portion of the Interconnected Transmission Owner's transmission facilities.

### **62.2 Assignment Without Prior Consent.**

**62.2.1 Assignment to Owners.** Interconnection Customer may assign the Interconnection Service Agreement without the Interconnected Transmission Owner's or Transmission Provider's prior consent to any Affiliate or person that purchases or otherwise acquires, directly or indirectly, all or substantially all of the Customer Facility and the Customer Interconnection Facilities, provided that prior to the effective date of any such assignment, the assignee shall demonstrate that, as of the effective date of the assignment, the assignee has the technical and operational competence to comply with the requirements of this Subpart and assumes in a writing provided to the Interconnected Transmission Owner and Transmission Provider all rights, duties, and obligations of Interconnection Customer arising under this Subpart. However, any assignment described herein shall not relieve or discharge the Interconnection Customer from any of its obligations hereunder absent the written consent of the Transmission Provider, such consent not to be unreasonably withheld, conditioned or delayed.

**62.2.2 Assignment to Lenders.** Interconnection Customer may, without the consent of the Transmission Provider or the Interconnected Transmission Owner, assign the Interconnection Service Agreement to any Project Finance Entity(ies), provided that such assignment does not alter or diminish Interconnection Customer's duties and obligations under this Subpart or the Interconnection Service Agreement. If Interconnection Customer provides the Interconnected Transmission Owner with notice of an assignment to any Project Finance Entity(ies) and identifies such Project Finance Entities as contacts for notice purposes pursuant to Section 71 of this Subpart, the Transmission Provider or Interconnected Transmission Owner shall provide notice and reasonable opportunity for such entity(ies) to cure any Breach under this Subpart in accordance with this Subpart. Transmission Provider or Interconnected Transmission Owner shall, if requested by such lenders, provide such customary and reasonable documents, including consents to assignment, as may be reasonably requested with respect to the assignment and status of the Interconnection Service Agreement, provided that such documents do not alter or diminish the rights of the Transmission Provider or Interconnected Transmission Owner under this Subpart, except with respect to providing notice of Breach to a Project Finance Entity. Upon presentation of the Transmission Provider and/or the Interconnected Transmission Owner's invoice therefor, Interconnection Customer shall pay the Transmission Provider and/or the Interconnected Transmission Owner's reasonable documented cost of providing such documents and certificates. Any assignment described herein shall not relieve or discharge the Interconnection Customer from any of its obligations hereunder absent the written consent of the Interconnected Transmission Owner and Transmission Provider.

**62.3 Successors and Assigns.** This Subpart and all of its provisions are binding upon, and inure to the benefit of, the Interconnection Parties and their respective successors and permitted assigns.

## 63 Insurance

**63.1 Required Coverages:** Each Interconnected Entity shall maintain insurance as described in paragraphs A through E below. All insurance shall be procured from insurance companies rated “A-” or better by AM Best and authorized to do business in a state or states in which the Interconnection Facilities are located. Failure to maintain required insurance shall be a Breach of the Interconnection Service Agreement.

- A. Workers Compensation insurance with statutory limits, as required by the state and/or jurisdiction in which the work is to be performed, and employer’s liability insurance with limits of not less than one million dollars (\$1,000,000.00).
- B. Commercial General Liability Insurance including coverage for premises, contractual liability, products/completed operations, personal injury, independent contractors, broad form property damage coverage and coverage for the explosion, collapse and underground hazard (XCU), with minimum limits of one million dollars (\$1,000,000.00) per occurrence for bodily injury and property damage, two million dollars (\$2,000,000.00) per occurrence for products/completed operations and two million dollars (\$2,000,000.00) in the general aggregate.
- C. Automobile Liability Insurance for owned, non-owned, and hired vehicles used in performing services under this Subpart with minimum limits of not less than one million dollars (\$1,000,000.00) per occurrence for bodily injury and property damage.
- D. Excess/Umbrella Liability Insurance with a limit of liability of not less than twenty million dollars (\$20,000,000.00) per occurrence. These limits apply in excess of the employer’s liability, commercial general liability and automobile liability coverages described above.
- E. Professional Liability Insurance providing errors, omissions and/or malpractice coverage in the amount of five million (\$5,000,000) per occurrence/aggregate with an extended reporting period of at least one year. Coverage shall be provided for the Interconnected Entity’s duties, responsibilities and performance outlined in this subpart, the Interconnection Service Agreement, and if applicable, the Construction Service Agreement.

**63.2 Additional Insureds:** The Commercial General Liability, Automobile Liability and Excess/Umbrella Liability policies procured by each Interconnected Entity (the “Insuring Interconnected Entity”) shall include each other Interconnection Party (the “Insured Interconnection Party”), and its respective officers, agents and employees as additional insureds, providing all standard coverages and covering

liability of the Insured Interconnection Party arising out of bodily injury and/or property damage (including loss of use) in any way connected with the operations, performance, or lack of performance under this Subpart and/or the Interconnection Service Agreement.

**63.3 Other Required Terms:** The above-mentioned insurance policies (except workers' compensation) shall provide the following:

- A. Be primary to any other insurance carried by the Insured Interconnection Party.
- B. Contain standard cross-liability provisions.
- C. Provide for a waiver of all rights of subrogation which the Insuring Interconnected Entity's insurance carrier might exercise against the Insured Interconnection Party.

**63.4 Self-Insurance.** At its option, either Interconnected Entity may, with adequate credit assurance in conformance with standard electric industry practices provided to the other Interconnected Entity and Transmission Provider, self-insure all or part of its insurance obligations under this Subpart. An Interconnected Entity's election to self-insure shall not in any manner result in a reduction of rights and/or benefits otherwise available to the other Interconnected Entity through formal insurance policies and endorsements customary in the electric utility industry.

**63.5 Notices; Certificates of Insurance.** All policies of insurance shall provide for thirty days prior written notice of cancellation or material adverse change. Each Interconnected Entity shall provide the other with certificates of insurance prior to Initial Operation of the Customer Facility and thereafter at such time intervals as they shall mutually agree upon, provided that such interval shall not be less than one year. All certificates of insurance shall indicate that the certificate holder is included as an additional insured under the Commercial General Liability, Automobile liability and Excess/Umbrella liability coverages, and that this insurance is primary with a waiver of subrogation included.

**63.6 Subcontractor Insurance:** In accord with Good Utility Practice, each Interconnected Entity shall require each of its subcontractors to maintain and provide evidence of insurance coverage of types, and in amounts, commensurate with the risks associated with the services provided by the subcontractor. Bonding of contractors or subcontractors shall be at the hiring Interconnected Entity's discretion, but regardless of bonding, the hiring principal shall be responsible for the performance or non-performance of any contractor or subcontractor it hires.



**64.1 Indemnity.** Each Interconnection Party shall indemnify and hold harmless the other Interconnection Parties, and the other Interconnection Parties' officers, shareholders, stakeholders, members, managers, representatives, directors, agents and employees, and Affiliates, from and against any and all loss, liability, damage, cost or expense to third parties, including damage and liability for bodily injury to or death of persons, or damage to property or persons (including reasonable attorneys' fees and expenses, litigation costs, consultant fees, investigation fees, sums paid in settlements of claims, penalties or fines imposed under Applicable Laws and Regulations, and any such fees and expenses incurred in enforcing this indemnity or collecting any sums due hereunder) (collectively, "Loss") to the extent arising out of, in connection with, or resulting from (i) the indemnifying Interconnection Party's breach of any of the representations or warranties made in, or failure of the indemnifying Interconnection Party or any of its subcontractors to perform any of its obligations under, this Subpart and /or the Interconnection Service Agreement, or (ii) the negligence or willful misconduct of the indemnifying Interconnection Party or its contractors; provided, however, that no Interconnection Party shall have any indemnification obligations under this Section 64.1 in respect of any Loss to the extent the Loss results from the negligence or willful misconduct of the Interconnection Party seeking indemnity.

**64.2 Indemnity Procedures.** Promptly after receipt by a Person entitled to indemnity ("Indemnified Person") 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 Section 64.1 may apply, the Indemnified Person shall notify the indemnifying Interconnection Party of such fact. Any failure of or delay in such notification shall not affect an Interconnection Party's indemnification obligation unless such failure or delay is materially prejudicial to the indemnifying Interconnection Party. The Indemnified Person shall cooperate with the indemnifying Interconnection Party with respect to the matter for which indemnification is claimed. The indemnifying Interconnection Party shall have the right to assume the defense thereof with counsel designated by such indemnifying Interconnection Party and reasonably satisfactory to the Indemnified Person. If the defendants in any such action include one or more Indemnified Persons and the indemnifying Interconnection Party and if the Indemnified Person reasonably concludes that there may be legal defenses available to it and/or other Indemnified Persons which are different from or additional to those available to the indemnifying Interconnection Party, the Indemnified Person 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 Interconnection Party shall only be required to pay the fees and expenses of one additional attorney to represent an Indemnified Person or Indemnified Persons having such differing or additional legal defenses. The Indemnified Person shall be entitled, at its expense, to participate in any action, suit or proceeding, the defense of which has been assumed by the indemnifying Interconnection Party.

Notwithstanding the foregoing, the indemnifying Interconnection 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 Person and its counsel, such action, suit or proceeding involves the potential imposition of criminal liability on the Indemnified Person, or there exists a conflict or adversity of interest between the Indemnified Person and the indemnifying Interconnection Party, in such event the indemnifying Interconnection Party shall pay the reasonable expenses of the Indemnified Person, 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 Person, which shall not be unreasonably withheld, conditioned or delayed.

- 64.3 Indemnified Person.** If an Indemnified Person is entitled to indemnification under this Section 64 as a result of a claim by a third party, and the indemnifying Interconnection Party fails, after notice and reasonable opportunity to proceed under Section 64.2, to assume the defense of such claim, such Indemnified Person may at the expense of the indemnifying Interconnection Party contest, settle or consent to the entry of any judgment with respect to, or pay in full, such claim.
- 64.4 Amount Owed.** If an indemnifying Interconnection Party is obligated to indemnify and hold any Indemnified Person harmless under this Section 64, the amount owing to the Indemnified Person shall be the amount of such Indemnified Person's actual Loss, net of any insurance or other recovery.
- 64.5 Limitation on Damages.** Except as otherwise provided in this Section 64, the liability of an Interconnection Party under this Subpart E shall be limited to direct actual damages, and all other damages at law are waived. Under no circumstances shall any Interconnection Party or its Affiliates, directors, officers, employees and agents, or any of them, be liable to another Interconnection Party, whether in tort, contract or other basis in law or equity for any special, indirect, punitive, exemplary or consequential damages, including lost profits. The limitations on damages specified in this Section 64.5 are without regard to the cause or causes related thereto, including the negligence of any Interconnection Party, whether such negligence be sole, joint or concurrent, or active or passive. This limitation on damages shall not affect any Interconnection Party's rights to obtain equitable relief as otherwise provided in this Subpart. The provisions of this Section 64.5 shall survive the termination or expiration of the Interconnection Service Agreement.
- 64.6 Limitation of Liability in Event of Breach.** An Interconnection Party ("Breaching Party") shall have no liability hereunder to the other Interconnection Parties, and the other Interconnection Parties hereby release the Breaching Party, for all claims or damages that either of them incurs that are associated with any interruption in the availability of the Customer Facility, Interconnection Facilities, Transmission System or Interconnection Service or damages to an Interconnection Party's facilities, except to the extent such interruption or damage is caused by the

Breaching Party's gross negligence or willful misconduct in the performance of its obligations under this Subpart of the Tariff or the Interconnection Service Agreement.

**64.7 Limited Liability in Emergency Conditions.** Except as otherwise provided in the Tariff or the Operating Agreement, no Interconnection Party shall be liable to any other Interconnection Party for any action that it takes in responding to an Emergency Condition, so long as such action is made in good faith, is consistent with Good Utility Practice and is not contrary to the directives of the Transmission Provider or of the Interconnected Transmission Owner with respect to such Emergency Condition. Notwithstanding the above, Interconnection Customer shall be liable in the event that it fails to comply with any instructions of Transmission Provider or the Interconnected Transmission Owner related to an Emergency Condition.

## **65 Breach, Cure And Default**

**65.1 Breach.** A Breach of this Subpart and the Interconnection Service Agreement shall include:

- (a) The failure to pay any amount when due;
- (b) The failure to comply with any material term or condition of this Subpart, including but not limited to any material breach of a representation, warranty or covenant (other than in subsections (a) and (c)-(e) of this Section) made in this Subpart;
- (c) Assignment of the Interconnection Service Agreement in a manner inconsistent with its terms;
- (d) Failure of an Interconnection Party to provide access rights, or an Interconnection Party's attempt to revoke or terminate access rights, that are provided under this Subpart; or
- (e) Failure of an Interconnection Party to provide information or data required to be provided under this Subpart E to another Interconnection Party for such other Interconnection Party to satisfy its obligations under this Subpart.

**65.2 Continued Operation.** In the event of a Breach or Default by either Interconnected Entity, and subject to termination of the Interconnection Service Agreement under Section 66 of this Subpart, the Interconnected Entities shall continue to operate and maintain, as applicable, such DC power systems, protection and Metering Equipment, telemetering equipment, SCADA equipment, transformers, Secondary Systems, communications equipment, building facilities, software, documentation, structural components, and other facilities and

appurtenances that are reasonably necessary for Transmission Provider and the Interconnected Transmission Owner to operate and maintain the Transmission System and the Transmission Owner Interconnection Facilities and for Interconnection Customer to operate and maintain the Customer Facility and the Customer Interconnection Facilities, in a safe and reliable manner.

**65.3 Notice of Breach.** An Interconnection Party not in Breach shall give written notice of an event of Breach to the Breaching Party, to Transmission Provider and to other persons that the Breaching Party identifies in writing to the other Interconnection Party in advance. Such notice shall set forth, in reasonable detail, the nature of the Breach, and where known and applicable, the steps necessary to cure such Breach. In the event of a Breach by Interconnection Customer, Transmission Provider and the Interconnected Transmission Owner agree to provide notice of such Breach, at the same time and in the same manner as its notice to Interconnection Customer, to any Project Finance Entity provided that the Interconnection Customer has provided the notifying Interconnection Party with notice of an assignment to such Project Finance Entity(ies) and identifies such Project Finance Entity(ies) as contacts for notice purposes pursuant to Section 71 of Subpart E.

**65.4 Cure and Default.** An Interconnection Party that commits a Breach and does not take steps to cure the Breach pursuant to this Section 65.4 is in Default of this Subpart and of the Interconnection Service Agreement.

**65.4.1 Cure of Breach.** Except for the event of Breach set forth in Section 65.1(a) above, the Breaching Interconnection Party (a) may cure the Breach within thirty days from the receipt of such notice; or (b) if the Breach cannot be cured within thirty (30) days, may commence in good faith all steps that are reasonable and appropriate to cure the Breach within such thirty day time period and thereafter diligently pursue such action to completion. In an event of Breach set forth in Section 65.1(a), the Breaching Interconnection Party may cure the Breach within five (5) days from the receipt of notice of the Breach.

**65.5 Right to Compel Performance.** Notwithstanding the foregoing, upon the occurrence of an event of Default, a non-Defaulting Interconnection Party shall be entitled to (a) commence an action to require the Defaulting Interconnection Party to remedy such Default and specifically perform its duties and obligations hereunder in accordance with the terms and conditions hereof, (b) withhold payments, (c) suspend performance hereunder, and (d) exercise such other rights and remedies as it may have in equity or at law; provided, however, that the Transmission Provider shall not terminate the Interconnection Service Agreement due to the failure of Interconnection Customer to make a payment hereunder unless such failure could reasonably be expected to have a material adverse effect on the Interconnected Transmission Owner.

**65.6 Remedies Cumulative.** Subject to Section 70.1, no remedy conferred by any provision of this Subpart is intended to existing at law or in equity or by statute or otherwise. The election be exclusive of any other remedy and each and every remedy shall be cumulative and shall be in addition to every other remedy given hereunder or now or hereafter of any one or more remedies shall not constitute a waiver of the right to pursue other available remedies.

## **66 Termination**

**66.1 Termination.** The Interconnection Service Agreement and Interconnection Service under this Subpart may be terminated by the following means:

**66.1.1 By Mutual Consent.** Interconnection Service may be terminated as of the date on which the Interconnection Parties mutually agree to terminate the Interconnection Service Agreement.

**66.1.2 By Interconnection Customer.** Interconnection Customer may unilaterally terminate the Interconnection Service Agreement pursuant to Applicable Laws and Regulations upon providing Transmission Provider and the Interconnected Transmission Owner sixty (60) days prior written notice thereof, provided that Interconnection Customer is not then in Default under this Subpart or the Interconnection Service Agreement.

**66.1.3 Upon Default of Interconnection Customer.** Transmission Provider may terminate the Interconnection Service Agreement upon the Default of Interconnection Customer of its obligations under this Subpart or the Interconnection Service Agreement; provided, however, that Transmission Provider shall not terminate the Interconnection Service Agreement due to the failure of Interconnection Customer to make a payment hereunder unless such failure could reasonably be expected to have a material adverse effect on the Interconnected Transmission Owner.

## **66.2 Disposition of Facilities Upon Termination.**

**66.2.1 Disconnection.** Upon termination of the Interconnection Service Agreement in accordance with this Section 66, Transmission Provider and/or the Interconnected Transmission Owner shall, in coordination with Interconnection Customer, physically disconnect the Customer Facility from the Transmission System, except to the extent otherwise allowed by this Subpart.

**66.2.2 Network Facilities.** At the time of termination, the Transmission Provider and the Interconnected Entities shall keep in place any portion of the Interconnection Facilities and/or of any Merchant Network Upgrades that the Transmission Provider deems necessary for the safety, integrity and/or reliability of the Transmission System. Otherwise, Transmission Provider

may, in its discretion, within 30 days following termination of Interconnection Service, require the removal of all or any part of the Interconnection Facilities or of any Merchant Network Upgrades.

**66.2.2.1** In the event that (i) the Interconnection Service Agreement and Interconnection Service under this Subpart are terminated and (ii) Transmission Provider determines that some or all of the Interconnection Facilities or of any Merchant Network Upgrades that are owned by the Interconnection Customer are necessary for the safety, integrity and/or reliability of the Transmission System, Interconnection Customer, subject to Applicable Laws and Regulations, shall transfer to the Interconnected Transmission Owner title to the Interconnection Facilities or Merchant Network Upgrades that Transmission Provider has determined to be necessary for the safety, integrity and/or reliability of the Transmission System.

**66.2.2.2** In the event that removal of some or all of the Interconnection Facilities or any Merchant Network Upgrades is necessary to maintain compliance with Applicable Standards, Interconnection Customer shall be responsible for the costs of any such removal. Interconnection Customer shall have the right to take or retain title to equipment and/or facilities that are removed pursuant to this section; alternatively, in the event that the Interconnection Customer does not wish to retain title to removed equipment and/or facilities that it owns, the Interconnected Transmission Owner may elect to pay the Interconnection Customer a mutually agreed amount to acquire and own such equipment and/or facilities.

**66.2.3 Request for Disposition Determination.** Interconnection Customer may request a determination from the Transmission Provider whether any Interconnection Facilities or any Merchant Network Upgrades will be removed in the event of any termination of Interconnection Service to the Customer Facility within the following year. Transmission Provider shall respond to that request no later than sixty (60) days after receipt.

**66.3 FERC Approval.** Notwithstanding any other provision of this Subpart, no termination hereunder shall become effective until the Interconnected Entities and/or Transmission Provider have complied with all Applicable Laws and Regulations applicable to such termination, including the filing with the FERC of a notice of termination of the Interconnection Service Agreement, and acceptance of such notice for filing by the FERC.

**66.4 Survival of Rights.** Termination of the Interconnection Service Agreement shall not relieve any Interconnection Party of any of its liabilities and obligations

arising under this Subpart or the Interconnection Service Agreement prior to the date on which termination becomes effective, and each Interconnection Party may take whatever judicial or administrative actions it deems desirable or necessary to enforce its rights hereunder. Applicable provisions of this Subpart will continue in effect after termination to the extent necessary to provide for final billings, billing adjustments, and the determination and enforcement of liability and indemnification obligations arising from events or acts that occurred while the Interconnection Service Agreement was in effect.

## **67 Confidentiality**

- 67.1 Scope.** Confidential Information shall not include information that the receiving Interconnection Party can demonstrate (i) is generally available to the public other than as a result of a disclosure by the receiving Interconnection Party; (ii) was lawfully available to the receiving Interconnection Party on a non-confidential basis before receiving it from the disclosing Interconnection Party; (iii) was supplied to the receiving Interconnection Party without restriction by a third party, who, to the knowledge of the receiving Interconnection Party, after due inquiry, was under no obligation to the other Interconnection Party to keep such information confidential; (iv) was independently developed by the receiving Interconnection Party without reference to Confidential Information of the disclosing Interconnection Party; (v) is, or becomes, publicly known, through no wrongful act or omission of the receiving Interconnection Party or breach of this Subpart; or (vi) is required, in accordance with Section 67.6 of this Subpart, to be disclosed to any Governmental Authority as long as such information is made available to the public, is otherwise required to be disclosed by Applicable Laws and Regulations or subpoena, or is necessary in any legal proceeding establishing rights and obligations under this Subpart. Information designated as Confidential Information shall no longer be deemed confidential if the Interconnection Party that designated the information as confidential notifies the other Interconnection Parties that it no longer is confidential.
- 67.2 Duration of Obligations.** During the term of the Interconnection Service Agreement, and for a period of three (3) years after the expiration or termination of the Interconnection Service Agreement, except as otherwise provided in this Section 67, each Interconnection Party shall hold in confidence, and shall not disclose to any person, Confidential Information provided to it by any other Interconnection Party.
- 67.3 Use of Confidential Information.** An Interconnection Party shall not use Confidential Information of any other Interconnection Party for any purpose other than to fulfill its obligations under this Subpart and the Interconnection Service Agreement or to comply with Applicable Laws and Regulations. No Interconnection Party shall release or disclose Confidential Information to any other person, except to its employees, representatives, or agents on a need-to-know basis (and only after advising such persons of the confidentiality provisions of this

Section 67 and obtaining their agreement to comply with such provisions), unless compelled to disclose by judicial or administrative process or Applicable Laws and Regulations. Notwithstanding the foregoing, an Interconnection Party providing Confidential Information of any other Interconnection Party to any person pursuant to this Section 67.3 shall remain primarily responsible for any release of Confidential Information in contravention of this Section 67.

- 67.4 Standard of Care.** Each Interconnection Party shall use at least the same standard of care to protect Confidential Information of each other Interconnection Party as the Interconnection Party uses to protect its own Confidential Information from unauthorized disclosure, publication or dissemination.
- 67.5 Rights.** Each Interconnection Party retains all rights, title, and interest in the Confidential Information that it discloses to any other Interconnection Party. An Interconnection Party's disclosure to another Interconnection Party of Confidential Information shall not be deemed a waiver by any Interconnection Party or any other person or entity of the right to protect the Confidential Information from public disclosure.
- 67.6 Order of Disclosure.** If a Governmental Authority with the right, power, and apparent authority to do so requests or requires an Interconnection Party, by subpoena, oral deposition, interrogatories, requests for production of documents, data request, administrative order, or otherwise, to disclose Confidential Information, that Interconnection Party shall provide the Interconnection Party that provided the information with prompt prior written notice to the extent possible of such request(s) or requirement(s) so that the providing Interconnection Party may seek an appropriate protective order or agreement, or waive compliance with the terms of this Subpart. Notwithstanding the absence of a protective order or agreement, or waiver, the Interconnection Party that is subjected to the request or order may disclose such Confidential Information which, in the opinion of its counsel, the Interconnection Party is legally compelled to disclose. Each Interconnection Party shall use Reasonable Efforts to obtain reliable assurance that confidential treatment will be accorded any Confidential Information so furnished.
- 67.7 Remedies.** The Interconnection Parties expressly agree that monetary damages would be inadequate to compensate an Interconnection Party for another Interconnection Party's Breach of its obligations under this Section 67. Each Interconnection Party accordingly expressly agrees that the other Interconnection Parties shall be entitled to equitable relief, by way of injunction or otherwise, if the first Interconnection Party breaches or threatens to breach its obligations under this Section 67, which equitable relief shall be granted without bond or proof of injury, and the receiving Interconnection Party shall not plead in defense that there would be an adequate remedy at law. Such remedy shall not be deemed to be an exclusive remedy for the breach of this Section 67, but shall be in addition to all other remedies available at law or in equity. The Interconnection 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 Interconnection 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 Section 67.

**67.8 Return or Destruction of Confidential Information.** If an Interconnection Party provides any Confidential Information to another Interconnection Party in the course of an audit or inspection, the providing Interconnection Party may request the other party to return or destroy such Confidential Information after the termination of the audit period and the resolution of all matters relating to that audit. Each Interconnection Party shall make Reasonable Efforts to comply with any such requests for return or destruction within ten days of receiving the request and shall certify in writing to the other Interconnection Party that it has complied with such request.

**67.9 Upon Termination of Interconnection Service.** Upon termination of the Interconnection Service Agreement for any reason, each Interconnection Party shall, at the party's option, within ten (10) days after receipt of a written request from the other party, use Reasonable Efforts to destroy, erase, or delete (with such destruction, erasure and deletion certified in writing to the other party) or to return to the other party, without retaining copies thereof, any and all written or electronic Confidential Information received from the other party.

## **68 Subcontractors**

**68.1 Use of Subcontractors.** Nothing in this Subpart shall prevent the Interconnection Parties from utilizing the services of subcontractors as they deem appropriate to perform their respective obligations hereunder, provided, however, that each Interconnection Party shall require its subcontractors to comply with all applicable terms and conditions of this Subpart in providing such services.

**68.2 Responsibility of Principal.** The creation of any subcontract relationship shall not relieve the hiring Interconnection Party of any of its obligations under this Subpart. Each Interconnection Party shall be fully responsible to the other Interconnection Parties for the acts and/or omissions of any subcontractor it hires as if no subcontract had been made.

**68.3 Indemnification by Subcontractors.** To the fullest extent permitted by law, an Interconnection Party that uses a subcontractor to carry out any of the Interconnection Party's obligations under this Subpart shall require each of its subcontractors to indemnify, hold harmless and defend each other Interconnection Party, its representatives and assigns from and against any and all claims and/or liability for damage to property, injury to or death of any person, including the employees of any Interconnection Party or of any Affiliate of any Interconnection Party, or any other liability incurred by the other Interconnection Party or any of its Affiliates, including all expenses, legal or otherwise, to the extent caused by any

act or omission, negligent or otherwise, by such subcontractor and/or its officers, directors, employees, agents and assigns, that arises out of or is connected with the operation of the facilities of either Interconnected Entity described in this Subpart; provided, however, that no Interconnection Party or Affiliate thereof shall be entitled to indemnity under this Section 68.3 in respect of any injury, loss, or damage to the extent that such loss, injury, or damage results from the negligence or willful misconduct of the Interconnection Party or Affiliate seeking indemnity.

**68.4 Subcontractors Not Beneficiaries.** No subcontractor is intended to be, or shall be deemed to be, a third-party beneficiary of an Interconnection Service Agreement.

## **69 Information Access And Audit Rights**

**69.1 Information Access.** Consistent with Applicable Laws and Regulations, each Interconnection Party shall make available such information and/or documents reasonably requested by another Interconnection Party that are necessary to (i) verify the costs incurred by the other Interconnection Party for which the requesting Interconnection Party is responsible under this Subpart and (ii) carry out obligations and responsibilities under this Subpart, provided that the Interconnection Parties shall not use such information for purposes other than those set forth in this Section 69.1 and to enforce their rights under this Subpart.

**69.2 Reporting of Non-Force Majeure Events.** Each Interconnection Party shall notify the other Interconnection Parties when it becomes aware of its inability to comply with the provisions of this Subpart for a reason other than Force Majeure. The parties agree to cooperate with each other and provide necessary information regarding such inability to comply, including, but not limited to, 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 Section shall not entitle the receiving Interconnection Party to allege a cause of action for anticipatory breach of the Interconnection Service Agreement.

**69.3 Audit Rights.** Subject to the requirements of confidentiality under Section 67 of this Subpart, each Interconnection Party shall have the right, during normal business hours, and upon prior reasonable notice to the pertinent other Interconnection Party, to audit at its own expense the other Interconnection Party's accounts and records pertaining to such Interconnection Party's performance and/or satisfaction of obligations arising under this Subpart. Any audit authorized by this Section 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 obligations under this Subpart. Any request for audit shall be presented to the Interconnection Party to be audited not later than twenty-four months after the event as to which the audit is sought. Each Interconnection Party shall preserve all records held by it for the duration of the audit period.

## **70 Disputes**

**70.1 Submission.** Any claim or dispute that any Interconnection Party may have against another arising out of this Subpart E or the Interconnection Service Agreement may be submitted for resolution in accordance with the dispute resolution provisions of the Tariff.

**70.2 Rights Under The Federal Power Act.** Nothing in this Section shall restrict the rights of any Interconnection Party to file a complaint with FERC under relevant provisions of the Federal Power Act.

**70.3 Equitable Remedies.** Nothing in this Section shall prevent any Interconnection Party from pursuing or seeking any equitable remedy available to it under Applicable Laws and Regulations.

## **71 Notices**

**71.1 General.** Any notice, demand or request required or permitted to be given by any Interconnection Party to another and any instrument required or permitted to be tendered or delivered by any Interconnection Party in writing to another 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 Interconnection Party, or personally delivered to the Interconnection Party, at the address specified in the Interconnection Service Agreement. Such notices, if agreed to by the Interconnection Parties, may be made via electronic means, with e-mail confirmation of delivery.

**71.2 Emergency Notices.** Moreover, notwithstanding the foregoing, any notice hereunder concerning an Emergency Condition or other occurrence requiring prompt attention, or as necessary during day-to-day operations, may be made by telephone or in person, provided that such notice is confirmed in writing promptly thereafter. Notice in an Emergency Condition, or as necessary during day-to-day operations, shall be provided (i) if by the Interconnected Transmission Owner, to the shift supervisor at, as applicable, a Generation Interconnection Customer's Customer Facility or a Transmission Interconnection Customer's control center; and (ii) if by the Interconnection Customer, to the shift supervisor at the Interconnected Transmission Owner's transmission control center.

**71.3 Operational Contacts.** Each Interconnection Party shall designate, and provide to each other Interconnection Party contact information concerning, a representative to be responsible for addressing and resolving operational issues as they arise during the term of the Interconnection Service Agreement.

## **72 Miscellaneous**

- 72.1 Regulatory Filing.** Transmission Provider shall file the Interconnection Service Agreement on behalf of itself and the Interconnected Transmission Owner and any amendments to such agreement(s) with FERC as a service schedule under Part IV, Subpart E of the Tariff within thirty days after execution. An Interconnection Customer shall have the right, with respect to any Interconnection Service Agreement tendered to it, to request (a) dispute resolution under Section 12 of the Tariff or, if concerning the Regional Transmission Expansion Plan, consistent with Schedule 5 of the Operating Agreement, or (b) that Transmission Provider file the agreement unexecuted with the Commission. With the filing of any unexecuted Interconnection Service Agreement, Transmission Provider may, in its discretion, propose to FERC a resolution of any or all of the issues in dispute between or among the Interconnection Parties.
- 72.2 Waiver.** Any waiver at any time by an Interconnection Party of its rights with respect to a Breach or Default under this Subpart, or with respect to any other matters arising in connection with this Subpart, shall not be deemed a waiver or continuing waiver with respect to any subsequent Breach or Default or other matter.
- 72.3 Amendments and Rights Under the Federal Power Act.** The Interconnection Service Agreement may be amended or supplemented only by a written instrument duly executed by all Interconnection Parties. An amendment to the Interconnection Service Agreement shall become effective and a part of the Interconnection Service Agreement upon satisfaction of all Applicable Laws and Regulations. Notwithstanding the foregoing, nothing contained in the Interconnection Service Agreement shall be construed as affecting in any way any of the rights of any Interconnection Party with respect to changes in applicable rates or charges under Section 205 of the Federal Power Act and/or FERC's rules and regulations thereunder, or any of the rights of any Interconnection Party under Section 206 of the Federal Power Act and/or FERC's rules and regulations thereunder. The terms and conditions of this Subpart, the Interconnection Service Agreement and every appendix referred to therein shall be amended, as mutually agreed by the Interconnection Parties, to comply with changes or alterations made necessary by a valid applicable order of any Governmental Authority having jurisdiction hereof.
- 72.4 Binding Effect.** The Interconnection Service Agreement and this Subpart E and the rights and obligations thereunder shall be binding upon, and shall inure to the benefit of, the successors and assigns of the Interconnection Parties.
- 72.5 Regulatory Requirements.** Each Interconnection Party's performance of any obligation under this Subpart E for which such party requires approval or authorization of any Governmental Authority shall be subject to its receipt of such required approval or authorization in the form and substance satisfactory to the receiving Interconnection Party, or the Interconnection Party making any required

filings with, or providing notice to, such Governmental Authorities, and the expiration of any time period associated therewith. Each Interconnection Party shall in good faith seek, and shall use Reasonable Efforts to obtain, such required authorizations or approvals as soon as reasonably practicable.

## **73      Representations And Warranties**

**73.1      General.** Each Interconnected Entity hereby represents, warrants and covenants as follows with these representations, warranties, and covenants effective as to the Interconnected Entity during the time the Interconnection Service Agreement is effective:

**73.1.1      Good Standing.** Such Interconnected Entity is duly organized or formed, as applicable, validly existing and in good standing under the laws of its State of organization or formation, and is in good standing under the laws of the respective State(s) in which it is incorporated and operates as stated in the Interconnection Service Agreement.

**73.1.2      Authority.** Such Interconnected Entity has the right, power and authority to enter into the Interconnection Service Agreement, to become a party hereto and to perform its obligations hereunder. The Interconnection Service Agreement is a legal, valid and binding obligation of such Interconnected Entity, enforceable against such Interconnected Entity 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).

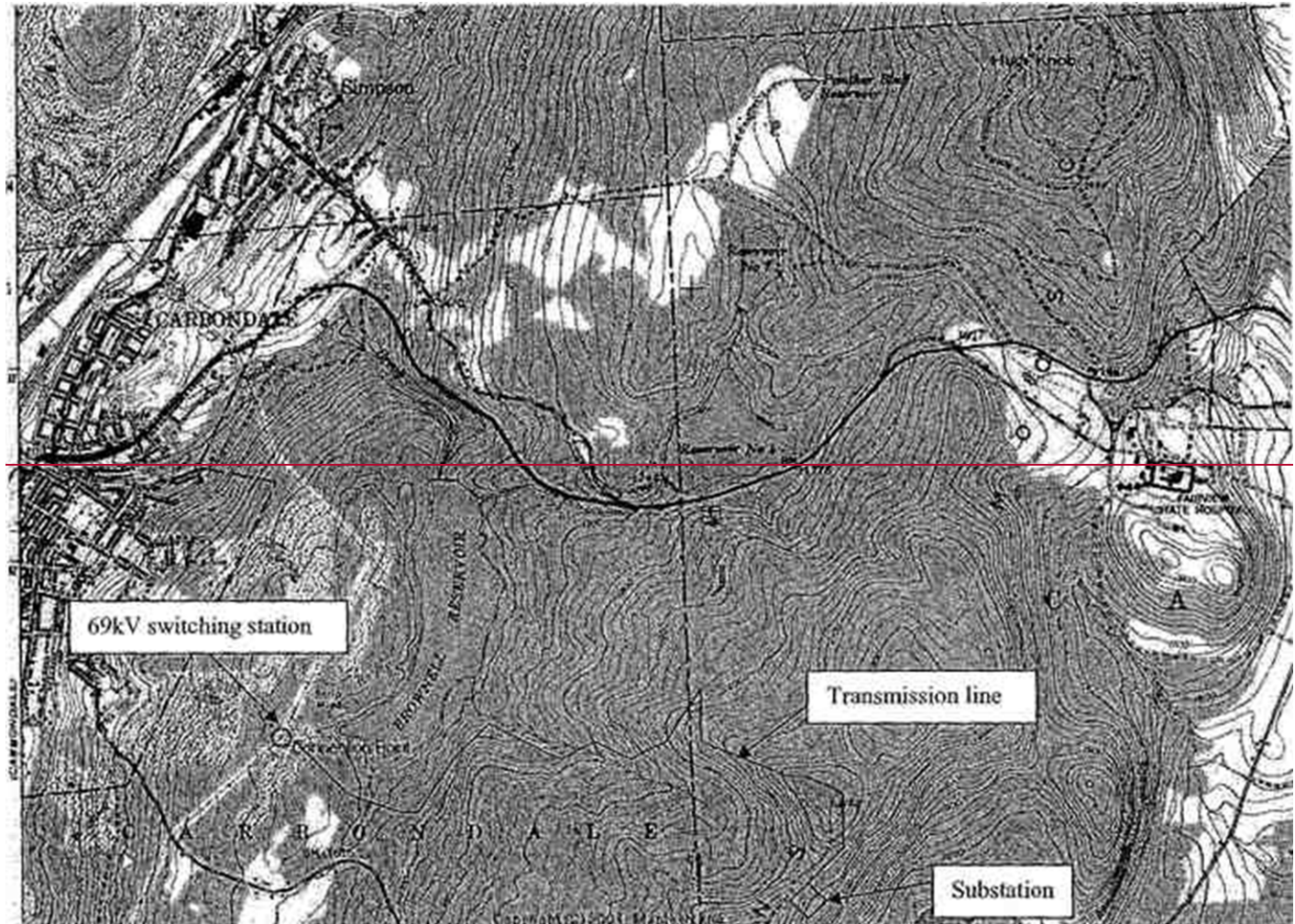
**73.1.3      No Conflict.** The execution, delivery and performance of the Interconnection Service Agreement does not violate or conflict with the organizational or formation documents, or bylaws or operating agreement, of the Interconnected Entity, or with any judgment, license, permit, order, material agreement or instrument applicable to or binding upon the Interconnected Entity or any of its assets.

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

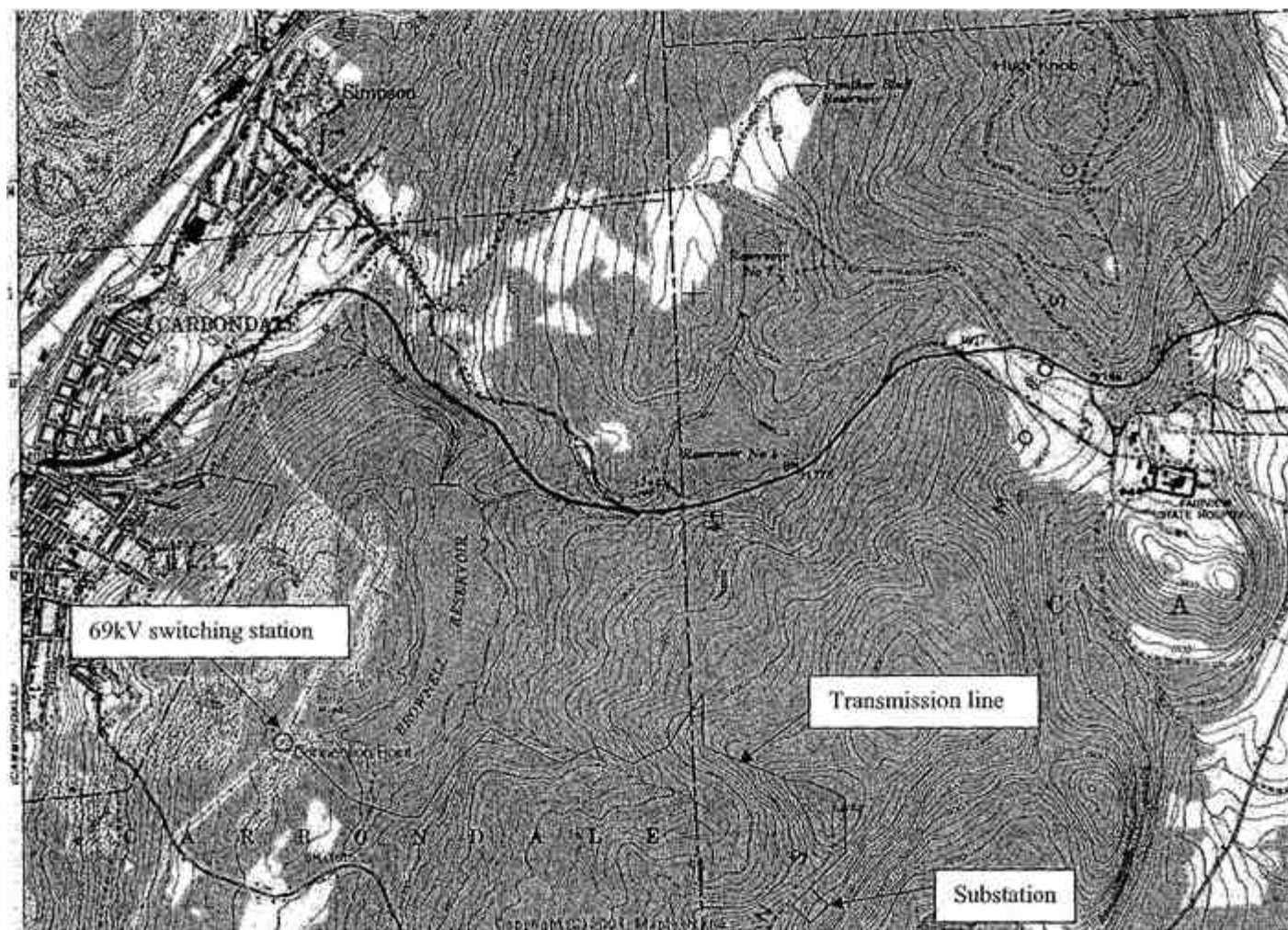


## Schedule A

### Facility Location Site Plan



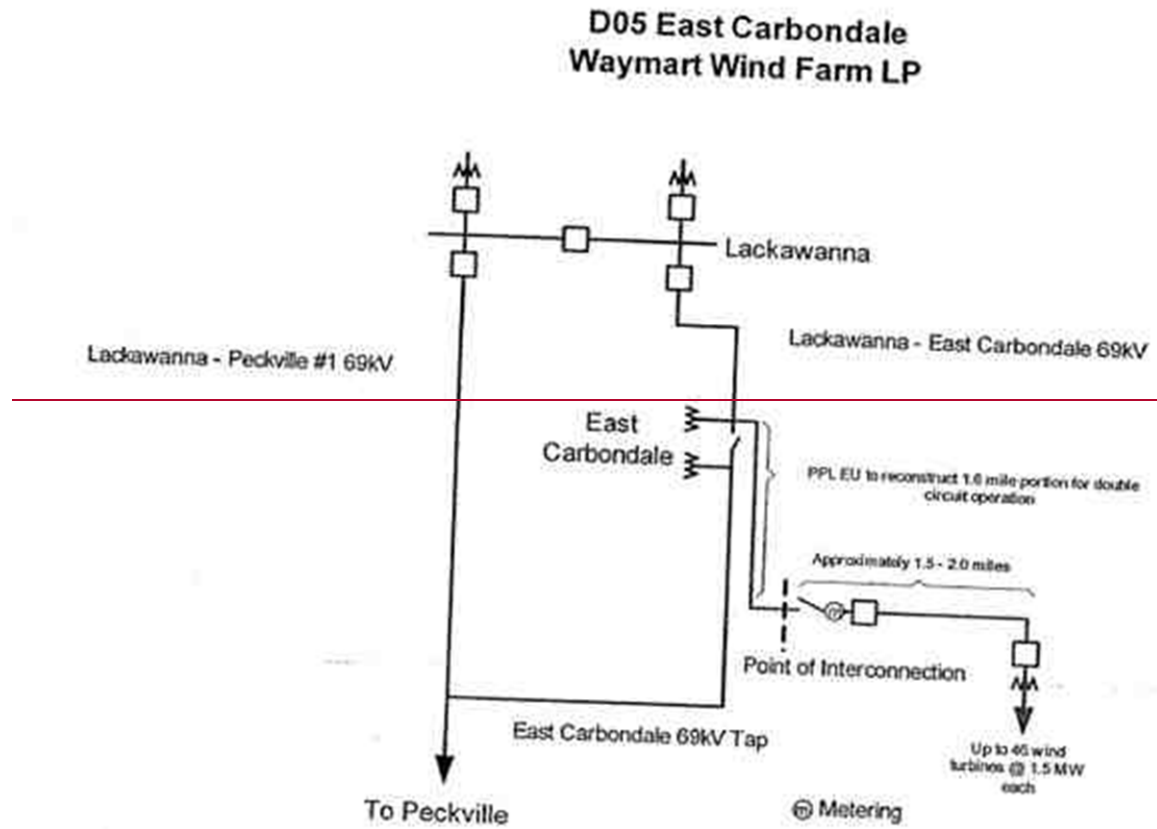






## Schedule B

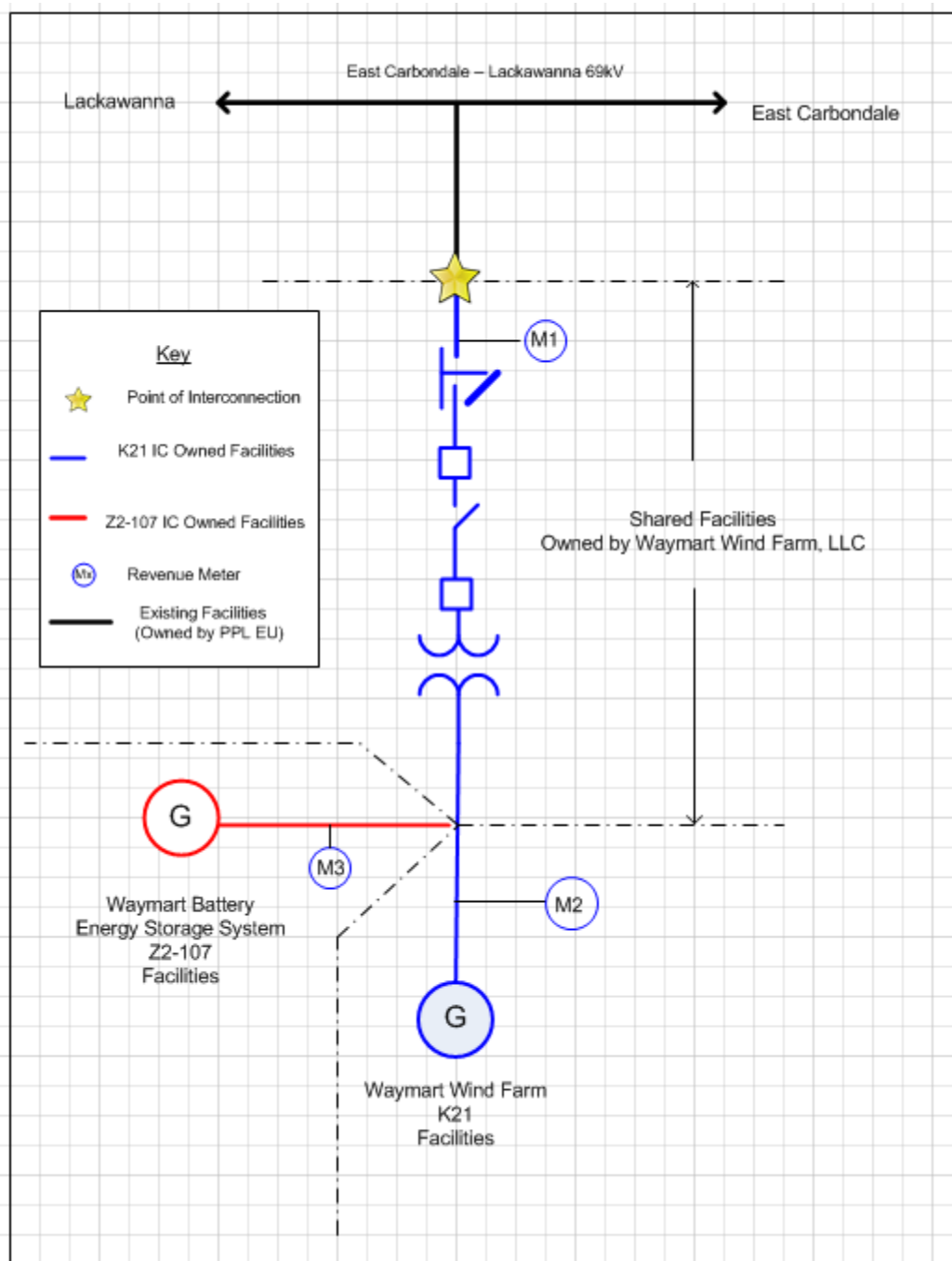
### Simplified One Line Diagram



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## **Schedule C**

### **List of Facilities**

#### **Interconnection Customer Workslope:**

1. The Interconnection Customer will design and construct all facilities at the Customer's 34.5kV collector substation site and transformation to 69kV.
2. The Interconnection Customer will design and construct an approximately 2.0 mile 69kV transmission line between the collector substation site and the point where the line will interconnect with the PPL 69kV line in the vicinity of structure 61999N51649.
3. Install a 69kV circuit breaker and disconnect switch at the point of interconnection.

#### **Interconnected Transmission Owner Workslope:**

PPL Electric Utilities will install the following at Interconnection Customer's expense:

1. A 1.6 mile 69kV line from the connection with the East Carbondale-Lackawanna line to the point of interconnection with the developer's 69kV line in the vicinity of structure 61999N51649 at an estimated cost of **\$1,264,700**.
2. Modifications to Lackawanna Substation, including a means for remote trip of the generating facility, at an estimated cost of **\$208,910**.
3. Construct a temporary connection to the PPL EU East Carbondale-Peckville 69kV circuit at an estimated cost of \$50,000.  
To accommodate the temporary attachment PPL EU will set certain relay elements in the IPR system to limit the Interconnection Customer's output to 45 MVA. The IPR cabinet at the intertie substation must be functional, tested and accepted by PPL EU prior to energization of the Interconnection Customer's facility. The temporary attachment will be removed when the permanent connection is established. An outage estimated at 3 to 5 days will be required to transfer the Interconnection Customer's facility from the temporary connection to the permanent connection.

## Schedule D

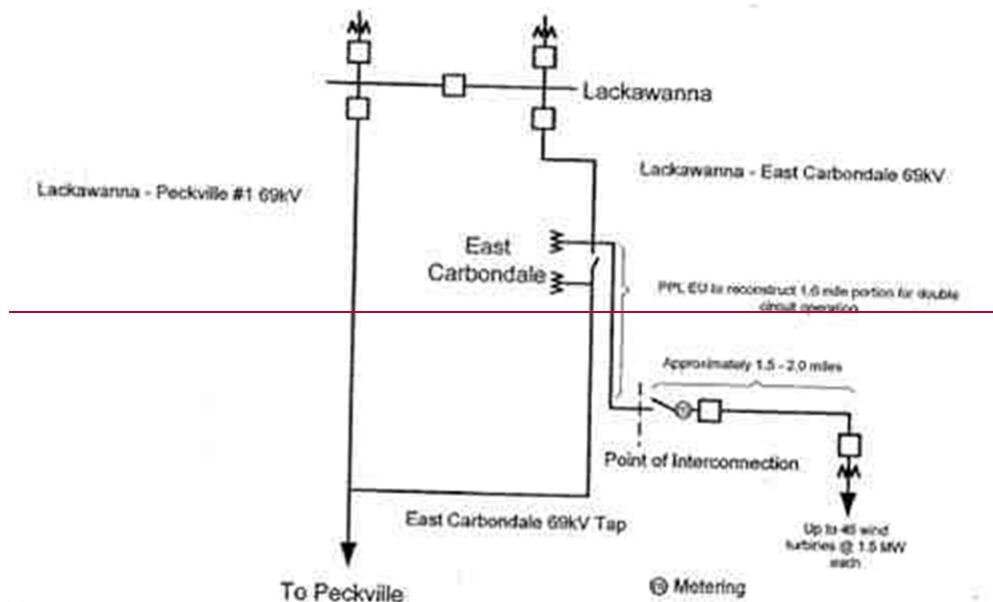
### List of Metering Equipment

Metering Equipment to be supplied by PPL Electric Utilities, at Interconnection Customer expense, includes the following:

1. CT's and PT's will be Trench type NS
2. Meter will be Landis and Gyr type MAXsys 2510

Metering equipment to be owned, operated, tested and maintained by the Interconnection Customer at the Interconnection customer's expense.

### ~~D05 East Carbondale~~ ~~Waymart Wind Farm LP~~



The following additional Metering Equipment requirements shall apply:

- All Metering Equipment and its associated metering data and data submission shall satisfy the requirements set forth in PJM Manuals M-01, M14B and M14D and with section 58 of Appendix 2 to this ISA.

- All meters shall be revenue quality Metering Equipment and shall satisfy applicable ANSI standards and PJM's metering standards and requirements.
- Meter M1 shall be the primary revenue meter for settlement purposes. The primary revenue meter will provide "Revenue Metering (KWH, KVARH)" and real time data (KW, KVAR), which will represent the total metering data for the Waymart Wind Customer Facility and the Waymart Storage, LLC ("Waymart Storage") Customer Facility combined.
- Meter M2 identified in Schedule B of this ISA shall be the primary meter for measuring the Interconnection Customer's prorated revenue related to metering data for the Waymart Wind Customer Facility.

Interconnection Customer shall:

- Own, install and maintain the Metering Equipment at the point designated in Schedule B as Meter M1;
- Own and maintain Meter M2, which is to be installed by Waymart Storage;
- Submit all real power and reactive power generation data to Transmission Provider from Meter M1;
- Submit prorated revenue related metering data for the Waymart Wind Customer Facility for settlement purposes to Transmission Provider.
- The sum of revenue related metering data submitted by Waymart Wind and Waymart Storage relating to the Waymart Wind Customer Facility and Waymart Storage Customer Facility respectively, shall equal the total meter reading of Meter M1 for the same period. The procedures for prorating revenue related metering data from Revenue Meter M1 shall be defined in a separate agreement between Waymart Wind and Waymart Storage.

Payments by Transmission Provider to Interconnection Customer shall be based on submitted data for settlement purposes by Interconnection Customer.

Interconnection Customer is solely responsible for the accuracy of data submission for settlement purposes to Transmission Provider.

Any discrepancies or data errors associated with any data submission for settlement purposes by or on behalf of Waymart Wind and/or Waymart Storage to Transmission Provider, any inaccurate payment(s) by Transmission Provider to Waymart Wind and/or Waymart Storage based on an erroneous data submission by Waymart Wind and/or Waymart Storage to Transmission Provider, and any disputes between Waymart Wind and Waymart associated with any discrepancy or error in meter data, shall be resolved solely between the Waymart Wind and Waymart Storage.

## **Schedule E**

### **Applicable Technical Requirements and Standards**

1.0 PPL Electric Utilities - Relay and Control Requirements for Parallel Operation of Non-Utility Generation Revision #9 March 2003

2.0 Transmission of Data

2.1 The Interconnection Customer is responsible for assuring that the following real time data is transmitted to PJM.

- a. Instantaneous net MW for the plant
- b. Instantaneous net MVAR for the plant

2.2 The Interconnection Customer is responsible for assuring the following non real-time data is transmitted to PJM.

- a. Hourly compensated MWh delivered by the plant.
- b. Hourly compensated MWh received by the plant.
- c. Hourly compensated MVARh delivered by the plant
- d. Hourly compensated MVARh received by the plant



**Schedule F**

**Schedule of Charges**

**Not Applicable**

## Schedule G

### **Schedule of Non-Standard -Terms and Conditions**

#### 1 Interconnection Customer -Construction Responsibilities

1.1 This section supercedes article 54.7.1 in Subpart E - Standard Terms and Conditions For Interconnection, which is meant for large synchronous generators. The Interconnection Customer is required to maintain a 98.6% power factor over the full range of wind turbine MW output at the 69kV point of attachment with the Interconnected Transmission Owner.

As stated in the Impact Study.

At 70MW the generation project is required to absorb 12MVAR from the transmission system, including the MVAR absorbed by the step-up transformer, to maintain acceptable voltage levels. This 12MVAR/ 70MW ratio (98.6% power factor) shall be automatically maintained by the Interconnection Customer over the full range of wind turbine MW output at the 69kv point of attachment with the Interconnected Transmission Owner. The necessary power factor compensation and automatic control equipment shall be installed by the Interconnection Customer to maintain the specified power factor. Such equipment could include equipment integral to the wind turbines which is capable of maintaining the specified powerfactor.

If there is a significant amount of 69kv or lower voltage underground cable installed by the Interconnection Customer, selfexcitation of the generators may be a concern. This could lead to additional Interconnected Transmission Owner interface protection relay requirements and/or installation of circuit breakers rated twice the nominal line voltage. Due to such cable installation, additional power factor compensation and control equipment may be needed to be installed by the Interconnection Customer to maintain the specified power factor over the full range of wind turbine MW operation.

~~1.2—Interconnection Customer will provide detailed information on the length and configuration of the underground cable installed for the wind farm within 60 days after execution of this Agreement, to allow the Interconnected Transmission Owner to evaluate the power factor correction requirements.~~

~~1.3~~1.2 Paragraph 10.1 is hereby amended to include "If the Interconnected Transmission Owner determines the Costs included in Section 3 and 4 of the Specifications to this ISA are to be 110% or greater than that listed, the Interconnected Transmission Owner will notify the Transmission Provider and Interconnection Customer in writing within 10 days of that determination. Such an increase in Costs and notification thereof shall not affect

Interconnection customer's' obligations under Paragraph 10.1.

## **~~2. Interconnection Customer Project Output Limitation~~**

- ~~2.1 When the Waymart Wind Farm L.P. project is connected to the East Carbondale Peckville 69kV circuit, the project will be limited to 45 MW of energy injected into the 69kV system.~~
- ~~2.2 To accommodate the temporary attachment PPL EU will set certain relay elements in the IPR system to limit the Interconnection Customer's output to 45 MVA. The IPR cabinet at the intertie substation must be functional, tested and accepted by PPL EU prior to energization of the Interconnection Customer's facility.~~
- ~~2.3 The temporary attachment will be removed when the permanent connection is established. An outage estimated at 3 to 5 days will be required to transfer the Interconnection Customer's facility from the temporary connection to the permanent connection.~~

## **32.0 Section 67, Confidentiality, included in Appendix 2, the Standard Terms and Conditions, of this ISA is revised to include the following:**

Notwithstanding anything in section 67 to the contrary, if the FERC or its staff, during the course of an investigation or otherwise, requests information from one of the Parties that is otherwise required to be maintained in confidence pursuant to this Interconnection Service Agreement, the Party shall provide the requested information to the 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 may, consistent with 18 C.F.R. § 388.112, request that the information be treated as confidential and non-public by the FERC and its staff and that the information be withheld from public disclosure. The Party shall notify the affected party to the Interconnection Service Agreement when it is notified by FERC or its staff that a request –for disclosure of, or decision to disclose, confidential information has been received, at which time any of the Parties may respond before such information is made public, pursuant to 18 C.F.R. § 388.112.

## **3.0 Additional Provisions Related to Shared Facilities**

Two separate entities, Waymart Wind Farm LLC (“Waymart Wind”) and Waymart Storage, LLC (“Waymart Storage,” and collectively, the “Waymart Parties”) own separate Customer Facilities behind the same Point of Interconnection. Pursuant to Service Agreement No. 896 (“Waymart Wind ISA”) and Service Agreement No. 5246 (“Waymart Storage ISA”), Waymart Wind, Waymart Storage, Transmission Provider, and Interconnected Transmission Owner (together, the “Parties”) agree to the following non-standard terms and conditions:

3.1 Separate ISAs: To obtain Interconnection Service and associated Capacity Interconnection Rights, Waymart Wind and Waymart Storage shall enter into separate ISAs pursuant to the Tariff (the Waymart Wind ISA and Waymart Storage ISA, respectively) to govern their individually-owned Customer Facilities located behind the Point of Interconnection shown in Schedule B to this ISA and to receive Capacity

### Interconnection Rights.

3.2 Single Point of Interconnection: As shown on Schedule B to both the Waymart Wind ISA and Waymart Storage ISA, there is a single Point of Interconnection serving the Waymart Wind Farm Customer Facility (“Waymart Wind Customer Facility”) and Waymart Battery Energy Storage System Customer Facility (“Waymart Storage Customer Facility”), and that single Point of Interconnection is physically located at a point where the Interconnected Transmission Owner’s facilities are connected to the Waymart Wind Customer Interconnection Facilities. Additionally, as shown on Schedule B to both the Waymart Wind ISA and Waymart Storage ISA the Waymart Storage Customer Interconnection Facilities are connected to the Waymart Wind Customer Interconnection Facilities, requiring Waymart Storage to use a portion of the Waymart Wind Customer Interconnection Facilities (“Shared Facilities”) to transport energy produced by the Waymart Storage Customer Facility to the Point of Interconnection.

3.3 Shared Facilities Agreement: The Parties acknowledge and agree that Interconnection Service for Waymart Storage depends upon the physical availability of, and Waymart Storage’s right to utilize, the Shared Facilities. Accordingly, the following shall apply:

3.3.1 Waymart Storage shall obtain Waymart Wind’s written agreement allowing Waymart Storage to utilize the Shared Facilities to transport energy produced by the Waymart Storage Customer Facility to the Point of Interconnection.

3.3.2 No later than 30 days after the execution of this ISA, Waymart Wind and Waymart Storage shall provide Transmission Provider and Interconnected Transmission Owner with a copy of that certain agreement pursuant to which Waymart Wind agrees to grant to Waymart Storage rights as described in Section 3.3.1 of this Schedule G (“Shared Facilities Agreement”). Waymart Wind and Waymart Storage shall notify Transmission Provider and Interconnected Transmission Owner within ten (10) business days of any termination of the Shared Facilities Agreement. In the event the Shared Facilities Agreement is terminated, other than as a result of Waymart Wind and Waymart Storage being owned by the same entity(ies), Waymart Storage shall be deemed in Breach of the Waymart Storage ISA in accordance with Section 65 of Appendix 2 to the ISA, unless such Breach can be cured by Waymart Wind and Waymart Storage agreeing to reinstate the Shared Facilities Agreement or to enter into a similar agreement acceptable to the Transmission Provider and Interconnected Transmission Owner, or by Waymart Storage entering some other arrangement acceptable to the Transmission Provider and Interconnected Transmission Owner that enables Waymart Storage to transport energy produced by the Waymart Storage Customer Facility to the Point of Interconnection and to comply with the terms and conditions set forth in the Waymart Storage ISA.

3.3.3 In the event that the Shared Facilities used to provide Interconnection Service become unavailable for any reason to carry energy produced by the Waymart Storage Customer Facility to and across the Point of Interconnection as shown on

Schedule B to both the Waymart Wind ISA and Waymart Storage ISA, Waymart Storage's right to utilize the Transmission System will be suspended for the duration of such unavailability, and Transmission Provider and Interconnected Transmission Owner shall incur no liability to Waymart Storage in connection with such suspension.

3.3.4 In the event that Waymart Wind ceases operations of the Shared Facilities, removes from service the Shared Facilities on which Interconnection Service thereunder depends, or for any other reason the Shared Facilities become permanently unavailable to carry energy produced by the Waymart Storage Customer Facility, it shall be Waymart Storage's sole responsibility to acquire and install, or to obtain rights to utilize, other Interconnection Facilities necessary to enable Waymart Storage to deliver energy produced by its Customer Facility to and across the Point of Interconnection. In such event, if Waymart Storage fails to acquire and install, or to obtain rights to utilize, such other Interconnection Facilities pursuant to an agreement or other arrangement that is acceptable to the Transmission Provider and Interconnected Transmission Owner within ten (10) business days or other reasonable time agreed to by Waymart Storage, Transmission Provider and Interconnected Transmission Owner, the Waymart Storage ISA will be terminated.

3.4 Notices to Waymart Parties: Any required notice and all communications to the Waymart Parties and any required notice and all communications from any Waymart Party to the Transmission Provider and/or Interconnected Transmission Owner regarding any matter relating to this ISA or the corresponding ISA of the other Waymart Party governing the interconnection of the Waymart Storage Customer Facility or the Waymart Wind Customer Facility shall be made only to, and given only by, the following contact(s):

Waymart Wind Farm LLC  
C/o GlidePath Power Operations LLC  
132 N York Street, Suite 3L  
Elmhurst, IL 60126  
Attn: Interconnection Notices

Such notice shall constitute notice to, or by, Waymart Wind and Waymart Storage, pursuant to each Waymart Party's ISA and the Tariff, and Transmission Provider shall not be obligated to provide any additional notice. The Waymart Parties may change the contact by providing the Transmission Provider and Interconnected Transmission Owner notice of such change in accordance with the terms of this ISA, provided that the Waymart Parties designate only one party as the new contact.

3.5 Disputes Between Waymart Wind and Waymart Storage: Waymart Wind and Waymart Storage agree that all issues between Waymart Wind and Waymart Storage regarding invoices, disbursements, operations, maintenance, liability and all other matters related to their respective Customer Facilities or the Shared Facilities shall be resolved between Waymart Wind and Waymart Storage.

3.6. Additional Liability and Indemnification Provisions: Notwithstanding anything in this Schedule G or this Agreement regarding limitation of liability or indemnification to the contrary, Transmission Provider, Interconnection Transmission Owner and Interconnection Customer hereby agree that: (a) Interconnection Customer shall indemnify, defend and hold harmless Interconnected Transmission Owner and Transmission Provider from all liability, damages, costs, and expenses (including reasonable attorneys' fees) whatsoever related to, or arising from, any claims resulting from acts taken by or omissions of Interconnection Customer under the Shared Facilities Agreement; and (b) Transmission Provider and Interconnected Transmission Owner shall not be liable, whether based on contract, warranty, tort, strict liability or otherwise, to Interconnection Customer for cessation, interruption or reduction of service, or any damages whatsoever, including direct, incidental, consequential, punitive, special, exemplary, or indirect damages, arising or resulting from the exercise of any right or remedy by Transmission Provider or Interconnected Transmission Owner under the Waymart Wind ISA, provided however, the limitation of liability in this section shall not apply to direct damages that arise or result from the gross negligence or willful misconduct of Transmission Provider or Interconnected Transmission Owner.

3.7 Satisfaction of Obligations by Waymart Parties: Payment by one Waymart Party of any costs due by the Waymart Parties associated with the interconnection of the Customer Facility in accordance with its ISA may, upon the request of the paying Waymart Party, be used to satisfy the obligation of another Waymart Party with respect to costs due from that Waymart Party associated with the interconnection of its Customer Facility in accordance with its ISA.

## **Attachment C**

### **Executed Agreement to Amend**

**AGREEMENT TO AMEND**  
**By and Among**  
**PJM Interconnection, L.L.C.**  
**And**  
**Waymart Wind Farm LLC**  
**And**  
**PPL Electric Utilities Corporation**  
**(PJM Queue Position #D05 & K21)**

This AGREEMENT TO AMEND (“Amendment”) Service Agreement is entered into by and among PJM Interconnection, L.L.C. (“PJM” or “Transmission Provider”), Waymart Wind Farm LLC (“Interconnection Customer”), and PPL Electric Utilities Corporation (“Transmission Owner”) (each, individually a “Party,” and collectively, the “Parties”).

**RECITALS**

WHEREAS, PJM, Interconnection Customer, and Transmission Owner are parties to the following Service Agreement, filed and accepted by the Federal Energy Regulatory Commission in Docket No. ER19-348-000, designated as follows:

<b>Type of Service Agreement</b>	<b>Service Agreement Number</b>	<b>Parties to the Agreement</b>	<b>Effective Date</b>
Interconnection Service Agreement (“ISA”)	896	PJM Interconnection, L.L.C., Waymart Wind Farm LLC, and PPL Electric Utilities Corporation	July 13, 2004

WHEREAS, Section 16 of the ISA provides that the Service Agreement, or any part thereof, may not be amended, modified, or waived other than by a written document signed by all parties to the Service Agreement.

WHEREAS, because the Interconnection Customer and Waymart Storage, LLC (“Waymart Storage”) own separate Customer Facilities behind the same Point of Interconnection, and that single Point of Interconnection is physically located at a point where the Interconnected Transmission Owner’s facilities are connected to the Interconnection Customer’s Interconnection Facilities, Specifications sections 1.0(c) and 1.0(d), and Schedules B, D, and G of the Service Agreement have been revised as listed below, effective as of the date PJM executes this Agreement to Amend (“Execution Date”):



<b>Interconnection Service Agreement Former Provision</b>	<b>Interconnection Service Agreement New Replacement Provision</b>
<p>Section 12.1 and specifications section 1.0(c) (Size in megawatts of Facility) and section 1.0(d) Description of the equipment configuration)</p> <p>See former section 12.1 and former specifications sections 1.0(c) and 1.0(d) attached hereto as <b>Addendum 1</b>.</p>	<p>Section 12.1 and specifications section 1.0(c) (Size in megawatts of Facility) and section 1.0(d) Description of the equipment configuration)</p> <p>See revised section 12.1 and revised specifications sections 1.0(c) and 1.0(d) attached hereto as <b>Addendum 2</b>.</p> <p>These sections have been revised to reflect installed megawatt capacity of the Customer Facility and the installed equipment configuration of the Customer Facility.</p>
<p>Section 18.0, Contact Information for Transmission Provider, Interconnection Customer and Transmission Owner</p> <p>See former contact information attached hereto as <b>Addendum 3</b>.</p>	<p>Section 18.0, Contact Information for Transmission Provider, Interconnection Customer and Transmission Owner</p> <p>See updated contact information attached hereto as <b>Addendum 4</b>.</p> <p>The contact information for the Interconnection Customer and the Transmission Owner has been updated.</p>
<p>Schedule B, Single-Line Diagram:</p> <p>See former single-line diagram attached hereto as <b>Addendum 5</b>.</p>	<p>Schedule B, Single-Line Diagram:</p> <p>See revised single-line diagram attached hereto as <b>Addendum 6</b>.</p> <p>The single-line diagram has been modified to reflect the Interconnection Customer's and Waymart Storage's separate Customer Facilities located behind the same Point of Interconnection and the location of certain metering equipment, as well as the Shared Facilities as set forth in revised Schedule G.</p>
<p>Schedule D, List of Metering Equipment:</p> <p>See former list of metering equipment attached hereto as <b>Addendum 7</b>.</p>	<p>Schedule D, List of Metering Equipment:</p> <p>See revised list of metering equipment attached hereto as <b>Addendum 8</b>.</p> <p>Schedule D has been revised to list the additional meters, metering requirements, and</p>

	additional provisions necessary to reflect the fact that there are two Customer Facilities located behind the same Point of Interconnection, and to establish Interconnection Customer's responsibility to own, install, and maintain certain equipment.
Schedule G, Schedule of Non-Standard Terms and Conditions:  Contains provisions establishing additional Interconnection Customer Construction Responsibilities and Project Output Limitations (see <b>Addendum 9</b> ).	Schedule G, Schedule of Non-Standard Terms and Conditions:  Provisions contained in section 1.2 and section 1 were deleted as no longer necessary, and the remaining sections of Schedule G were renumbered. Language has also been added that relates to the fact that Interconnection Customer and Waymart Storage each own separate Customer Facilities behind the same Point of Interconnection and use of the Shared Facilities, as depicted in the revised single-line diagram (see <b>Addendum 10</b> ).

In addition to the changes set forth above, the Parties revised the execution page of the Service Agreement to reflect the Execution Date of this Agreement to Amend. References to "Waymart Wind Farm L.L.C." also were corrected to read "Waymart Wind Farm LLC."

WHEREAS, by this written document, the Parties intend to amend the Service Agreement of the Interconnection Customer to reflect the changes listed above.

NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, and intending to be legal bound, the Parties hereto, hereby agree as follows:

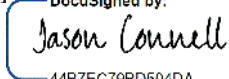
1. Capitalized Terms. Capitalized terms not otherwise defined herein shall have the meaning assigned to such terms in the Service Agreement.
2. Consent to Amendment(s). The Parties hereby agree to amend the aforementioned Service Agreement by replacing the changes listed above.
3. Counterparts. This Amendment may be executed in one or more counterparts, each of which when so executed and delivered shall be an original but all of which shall together constitute one and the same instrument.

Except as set forth in this Amendment, the Service Agreement is unaffected and shall continue in full force and effect in accordance with its terms. If there is conflict between this Amendment and the Service Agreement or any earlier amendment, the terms of this amendment will prevail.

IN WITNESS WHEREOF, the Parties hereto have executed this Amendment as of the date first above written. By each individual signing below each represents to the others that they are duly authorized to sign on behalf of that company and have the actual and/ or apparent authority to bind the respective company to this Amendment.

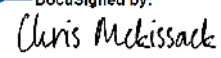
(PJM Queue Position #D05 &K21)

Transmission Provider: **PJM Interconnection, L.L.C.**

By:  44B7EC79BD504DA... Manager, Interconnection Projects 7/18/2019  
Name Title Date

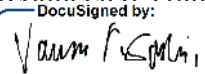
Printed name of signer: Jason Connell

Interconnected Transmission Owner: **Waymart Wind Farm LLC**

By:  E6983CE09A81485... Manager 7/1/2019  
Name Title Date

Printed name of signer: Chris Mckissack

Interconnected Transmission Owner: **PPL Electric Utilities Corporation**

By:  09BC07D37486478... BES Interconnection Affairs Supv. 7/18/2019  
Name Title Date

Printed name of signer: valerie saveri

## **Addendum 1**

- 11.1 Point of Interconnection. The Point of Interconnection shall be as identified on the one-line diagram attached as Schedule B to this ISA.
- 11.2 List and Ownership of Interconnection Facilities. The Interconnection Facilities to be constructed and ownership of the components thereof are identified in Section 3.0 of the Specifications attached to this ISA. The Generator Interconnection Facilities and the TO Interconnection Facilities are identified on the attached Schedule C to this ISA.
- 11.3 Ownership and Location of Metering Equipment. The Metering Equipment to be constructed, and the ownership thereof, are identified on the attached Schedule D to this ISA.
- 11.4 Applicable Technical Standards. The Applicable Technical Requirements and Standards that apply to the Facility and the Interconnection Customer Interconnection Facilities are attached as Schedule E to this ISA.
- 12.0 Operational Requirements.
  - 12.1 The Maximum Facility Output is 69.0 MW.
- 13.0 Charges. In accordance with Articles 60 and 61 of the appended Subpart E, the Interconnection Customer shall pay to the Transmission Provider the charges set forth in the Schedule of Charges attached as Schedule F to this ISA. Promptly after receipt of such payments, the Transmission Provider shall forward such payments to the appropriate Interconnected Transmission Owner.
- 14.0 Third Party Beneficiaries. No third party beneficiary rights are created under this ISA, except, however, that, subject to modification of the payment terms stated in Section 10 of this ISA pursuant to the Negotiated Contract Option, payment obligations imposed on Interconnection Customer under this ISA are agreed and acknowledged to be for the benefit of the Interconnected Transmission Owner(s). Interconnection Customer expressly agrees that the Interconnected Transmission Owner(s) shall be entitled to take such legal recourse as it deems appropriate against Interconnection Customer for the payment of any Costs or charges authorized under this ISA or the Tariff for which Interconnection Customer fails, in whole or in part, to pay as provided in this ISA, the Tariff and/or the Operating Agreement.
- 15.0 Waiver. No waiver by either party of one or more defaults by the other in performance of any of the provisions of this ISA shall operate or be construed as a waiver of any other or further default or defaults, whether of a like or different character.
- 16.0 Amendment. This ISA or any part thereof, may not be amended, modified, assigned, or waived other than by a writing signed by all parties hereto.
- 17.0 Construction With Other Parts Of The Tariff. This ISA shall not be construed as an

# **SPECIFICATIONS FOR INTERCONNECTION SERVICE AGREEMENT**

**Between**  
**PJM INTERCONNECTION, L.L.C.**  
**And**  
**Waymart Wind Farm LLC**  
**And**  
**PPL Electric Utilities Corporation**  
(PJM Queue# D05 & K21)

**1.0 Description of generating units (the Facility) to be interconnected with the Transmission System in the PJM Control Area:**

**a. Name of Facility:**

Waymart Wind Farm  
(a/k/a PJM Queue# D05&K21)

**b. Location of Facility:**

Clinton and Canaan Townships, Wayne County, Pennsylvania

**c. Size in megawatts of Facility:**

Net maximum summer energy output of 69.0 MW

Net maximum winter energy output of 69.0 MW

**d. Description of the equipment configuration:**

Up to Forty-six (46) 1.5 MW wind turbine generators

**2.0 Capacity Interconnection Rights:**

Pursuant to the PJM Tariff, Interconnection Customer shall have Capacity Interconnection Rights at the location specified in section 1.0b above in the amount of 13 (thirteen) MW.

The generating unit(s) described in section 1.0 shall be an Energy Resource. Pursuant to this ISA, the generating unit will be permitted to inject 69 MW (nominal) into the system, except for the temporary period when the generating units are connected only to the East Carbondale-Peckville circuit, the generating units will be limited to injecting 45 MW into the 69kV system. PJM reserves the right to limit units to these values in the event reliability would be affected by output greater than these values.

## **Addendum 2**

- 11.1 Point of Interconnection. The Point of Interconnection shall be as identified on the one-line diagram attached as Schedule B to this ISA.
- 11.2 List and Ownership of Interconnection Facilities. The Interconnection Facilities to be constructed and ownership of the components thereof are identified in Section 3.0 of the Specifications attached to this ISA. The Generator Interconnection Facilities and the TO Interconnection Facilities are identified on the attached Schedule C to this ISA.
- 11.3 Ownership and Location of Metering Equipment. The Metering Equipment to be constructed, and the ownership thereof, are identified on the attached Schedule D to this ISA.
- 11.4 Applicable Technical Standards. The Applicable Technical Requirements and Standards that apply to the Facility and the Interconnection Customer Interconnection Facilities are attached as Schedule E to this ISA.
- 12.0 Operational Requirements.
  - 12.1 The Maximum Facility Output is 64.5 MW.
- 13.0 Charges. In accordance with Articles 60 and 61 of the appended Subpart E, the Interconnection Customer shall pay to the Transmission Provider the charges set forth in the Schedule of Charges attached as Schedule F to this ISA. Promptly after receipt of such payments, the Transmission Provider shall forward such payments to the appropriate Interconnected Transmission Owner.
- 14.0 Third Party Beneficiaries. No third party beneficiary rights are created under this ISA, except, however, that, subject to modification of the payment terms stated in Section 10 of this ISA pursuant to the Negotiated Contract Option, payment obligations imposed on Interconnection Customer under this ISA are agreed and acknowledged to be for the benefit of the Interconnected Transmission Owner(s). Interconnection Customer expressly agrees that the Interconnected Transmission Owner(s) shall be entitled to take such legal recourse as it deems appropriate against Interconnection Customer for the payment of any Costs or charges authorized under this ISA or the Tariff for which Interconnection Customer fails, in whole or in part, to pay as provided in this ISA, the Tariff and/or the Operating Agreement.
- 15.0 Waiver. No waiver by either party of one or more defaults by the other in performance of any of the provisions of this ISA shall operate or be construed as a waiver of any other or further default or defaults, whether of a like or different character.
- 16.0 Amendment. This ISA or any part thereof, may not be amended, modified, assigned, or waived other than by a writing signed by all parties hereto.
- 17.0 Construction With Other Parts Of The Tariff. This ISA shall not be construed as an



# **SPECIFICATIONS FOR INTERCONNECTION SERVICE AGREEMENT**

**Between**  
**PJM INTERCONNECTION, L.L.C.**  
**And**  
**Waymart Wind Farm LLC**  
**And**  
**PPL Electric Utilities Corporation**  
(PJM Queue# D05 & K21)

**1.0 Description of generating units (the Facility) to be interconnected with the Transmission System in the PJM Control Area:**

**a. Name of Facility:**

Waymart Wind Farm  
(a/k/a PJM Queue# D05&K21)

**b. Location of Facility:**

Clinton and Canaan Townships, Wayne County, Pennsylvania

**c. Size in megawatts of Facility:**

Net maximum summer energy output of 64.5 MW

Net maximum winter energy output of 64.5 MW

**d. Description of the equipment configuration:**

Forty-three (43) 1.5 MW wind turbine generators

**2.0 Capacity Interconnection Rights:**

Pursuant to the PJM Tariff, Interconnection Customer shall have Capacity Interconnection Rights at the location specified in section 1.0b above in the amount of 13 (thirteen) MW.

The generating unit(s) described in section 1.0 shall be an Energy Resource. Pursuant to this ISA, the generating unit will be permitted to inject 69 MW (nominal) into the system, except for the temporary period when the generating units are connected only to the East Carbondale-Peckville circuit, the generating units will be limited to injecting 45 MW into the 69kV system. PJM reserves the right to limit units to these values in the event reliability would be affected by output greater than these values.

**3.0 Construction Responsibility for TO Interconnection Facilities**

## **Addendum 3**

- 18.0 Notices. Any notice or request made by either party regarding this ISA shall be made, in accordance with the terms of the appended Subparts E and F, to the representatives of the other party and as applicable, to the Interconnected Transmission Owner(s), as indicated below:

Transmission Provider:

PJM Interconnection, L.L.C.  
2750 Monroe Blvd.  
Audubon, PA 19403

Interconnection Customer:

Waymart Wind Farm, L.L.C.  
c/o GlidePath Power Operations LLC  
132 N. York Street  
Suite 3L  
Elmhurst, IL 60126

Copy to:

Clean Law PC  
18 S. Michigan Ave., 12<sup>th</sup> Floor  
Chicago, IL 60603  
Attn: John Young

Interconnected Transmission Owner:

PPL Electric Utilities Corporation (PPL EU)  
2 North Ninth Street  
Allentown, PA 18101-1179  
Attn: Gabriel Laczko

- 19.0 Incorporation Of Other Documents. All portions of the Tariff and the Operating Agreement pertinent to the subject matter of this ISA and not otherwise made a part hereof are hereby incorporated herein and made a part hereof.
- 20.0 Addendum of Non-Standard Terms and Conditions for Interconnection Service. Subject to FERC approval, the parties agree that the terms and conditions set forth in Schedule G hereto are hereby incorporated herein by reference and be made a part of this ISA. In the event of any conflict between a provision of Schedule G that FERC has accepted and any provision of the appended Subpart E that relates to the same subject matter, the pertinent provision of Schedule G shall control.

## **Addendum 4**

- 18.0 Notices. Any notice or request made by either party regarding this ISA shall be made, in accordance with the terms of the appended Subparts E and F, to the representatives of the other party and as applicable, to the Interconnected Transmission Owner(s), as indicated below:

Transmission Provider:

PJM Interconnection, L.L.C.  
2750 Monroe Blvd.  
Audubon, PA 19403

Interconnection Customer:

Waymart Wind Farm LLC  
c/o GlidePath Power Operations LLC  
132 N. York Street  
Suite 3L  
Elmhurst, IL 60126

Copy to:

Clean Law PC  
301 W. Grand Ave, Ste 133  
Chicago, IL 60654  
Attn: John Young

Interconnected Transmission Owner:

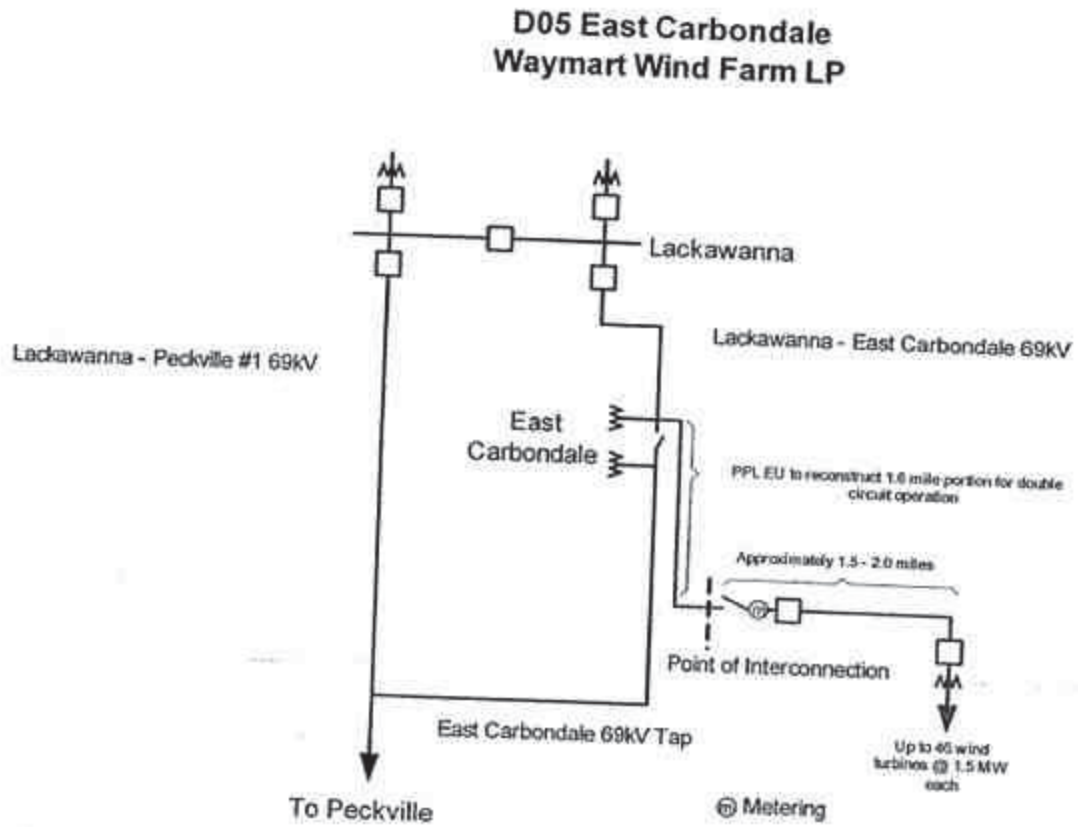
PPL Electric Utilities Corporation (PPL EU)  
2 North Ninth Street  
Allentown, PA 18101-1179  
Attn: BES Interconnection Affairs Supervisor

- 19.0 Incorporation Of Other Documents. All portions of the Tariff and the Operating Agreement pertinent to the subject matter of this ISA and not otherwise made a part hereof are hereby incorporated herein and made a part hereof.
- 20.0 Addendum of Non-Standard Terms and Conditions for Interconnection Service. Subject to FERC approval, the parties agree that the terms and conditions set forth in Schedule G hereto are hereby incorporated herein by reference and be made a part of this ISA. In the event of any conflict between a provision of Schedule G that FERC has accepted and any provision of the appended Subpart E that relates to the same subject matter, the pertinent provision of Schedule G shall control.

## **Addendum 5**

## Schedule B

### Simplified One Line Diagram

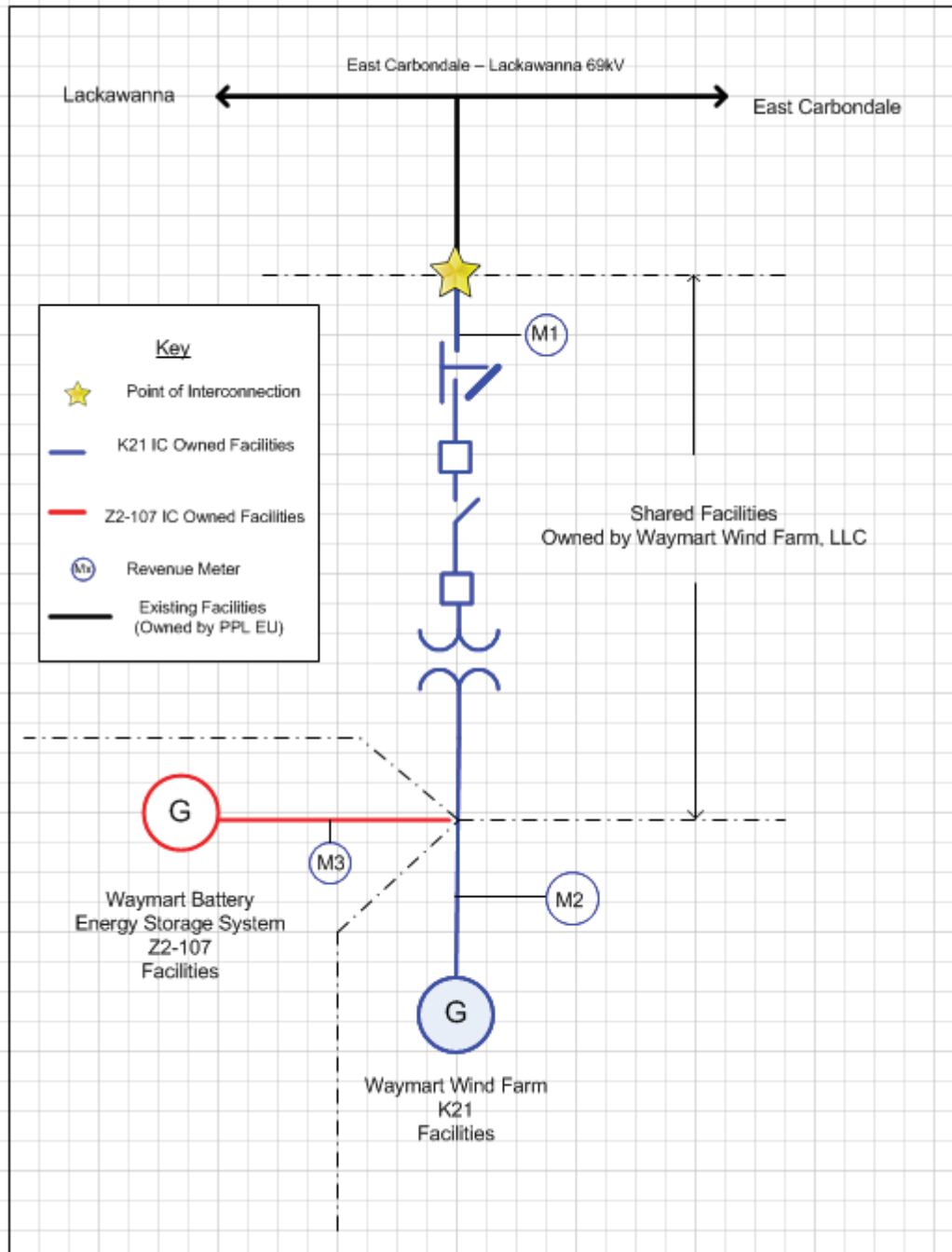


## **Addendum 6**



## Schedule B

### Simplified One Line Diagram



## **Addendum 7**

## Schedule D

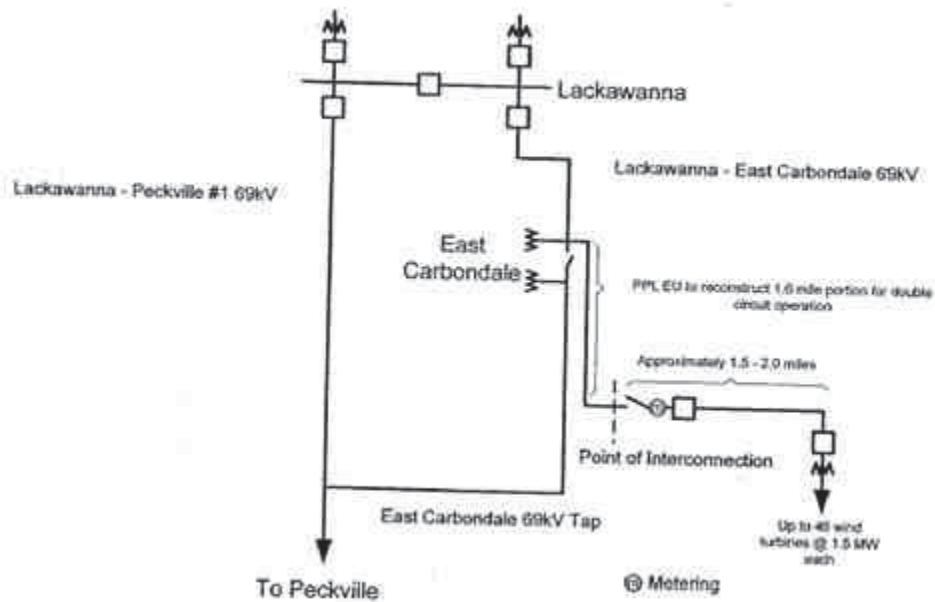
### List of Metering Equipment

Metering Equipment to be supplied by PPL Electric Utilities, at Interconnection Customer expense, includes the following:

1. CT's and PT's will be Trench type NS
2. Meter will be Landis and Gyr type MAXsys 2510

Metering equipment to be owned, operated, tested and maintained by the Interconnection Customer at the Interconnection customer's expense .

### D05 East Carbondale Waymart Wind Farm LP



## **Addendum 8**

## **Schedule D**

### **List of Metering Equipment**

Metering Equipment to be supplied by PPL Electric Utilities, at Interconnection Customer expense, includes the following:

1. CT's and PT's will be Trench type NS
2. Meter will be Landis and Gyr type MAXsys 2510

Metering equipment to be owned, operated, tested and maintained by the Interconnection Customer at the Interconnection customer's expense.

The following additional Metering Equipment requirements shall apply:

- All Metering Equipment and its associated metering data and data submission shall satisfy the requirements set forth in PJM Manuals M-01, M14B and M14D and with section 58 of Appendix 2 to this ISA.
- All meters shall be revenue quality Metering Equipment and shall satisfy applicable ANSI standards and PJM's metering standards and requirements.
- Meter M1 shall be the primary revenue meter for settlement purposes. The primary revenue meter will provide "Revenue Metering (KWH, KVARH)" and real time data (KW, KVAR), which will represent the total metering data for the Waymart Wind Customer Facility and the Waymart Storage, LLC ("Waymart Storage") Customer Facility combined.
- Meter M2 identified in Schedule B of this ISA shall be the primary meter for measuring the Interconnection Customer's prorated revenue related to metering data for the Waymart Wind Customer Facility.

Interconnection Customer shall:

- Own, install and maintain the Metering Equipment at the point designated in Schedule B as Meter M1;
- Own and maintain Meter M2, which is to be installed by Waymart Storage;
- Submit all real power and reactive power generation data to Transmission Provider from Meter M1;
- Submit prorated revenue related metering data for the Waymart Wind Customer Facility for settlement purposes to Transmission Provider.
- The sum of revenue related metering data submitted by Waymart Wind and Waymart Storage relating to the Waymart Wind Customer Facility and Waymart Storage Customer Facility respectively, shall equal the total meter reading of Meter M1 for the same period. The procedures for prorating revenue related metering data from Revenue Meter M1 shall be defined in a separate agreement between Waymart Wind and Waymart Storage.

Payments by Transmission Provider to Interconnection Customer shall be based on submitted data for settlement purposes by Interconnection Customer.

Interconnection Customer is solely responsible for the accuracy of data submission for settlement purposes to Transmission Provider.

Any discrepancies or data errors associated with any data submission for settlement purposes by or on behalf of Waymart Wind and/or Waymart Storage to Transmission Provider, any inaccurate payment(s) by Transmission Provider to Waymart Wind and/or Waymart Storage based on an erroneous data submission by Waymart Wind and/or Waymart Storage to Transmission Provider, and any disputes between Waymart Wind and Waymart associated with any discrepancy or error in meter data, shall be resolved solely between the Waymart Wind and Waymart Storage.

## **Addendum 9**

## **Schedule G**

### **Schedule of Non-Standard Terms and Conditions**

#### **1 Interconnection Customer Construction Responsibilities**

1.1 This section supercedes article 54.7.1 in Subpart E - Standard Terms and Conditions For Interconnection, which is meant for large synchronous generators. The Interconnection Customer is required to maintain a 98.6% power factor over the full range of wind turbine MW output at the 69kV point of attachment with the Interconnected Transmission Owner.

As stated in the Impact Study.

At 70MW the generation project is required to absorb 12MVAR from the transmission system, including the MVAR absorbed by the step-up transformer, to maintain acceptable voltage levels. This 12MVAR/ 70MW ratio (98.6% power factor) shall be automatically maintained by the Interconnection Customer over the full range of wind turbine MW output at the 69kv point of attachment with the Interconnected Transmission Owner. The necessary power factor compensation and automatic control equipment shall be installed by the Interconnection Customer to maintain the specified power factor. Such equipment could include equipment integral to the wind turbines which is capable of maintaining the specified powerfactor.

If there is a significant amount of 69kv or lower voltage underground cable installed by the Interconnection Customer, selfexcitation of the generators may be a concern. This could lead to additional Interconnected Transmission Owner interface protection relay requirements and/or installation of circuit breakers rated twice the nominal line voltage. Due to such cable installation, additional power factor compensation and control equipment may be needed to be installed by the Interconnection Customer to maintain the specified power factor over the full range of wind turbine MW operation.

1.2 Interconnection Customer will provide detailed information on the length and configuration of the underground cable installed for the wind farm within 60 days after execution of this Agreement, to allow the Interconnected Transmission Owner to evaluate the power factor correction requirements.

1.3 Paragraph 10.1 is hereby amended to include "If the Interconnected Transmission Owner determines the Costs included in Section 3 and 4 of the Specifications to this ISA are to be 110% or greater than that listed, the Interconnected Transmission Owner will notify the Transmission Provider and Interconnection Customer in writing within 10 days of that determination. Such an increase in Costs and notification thereof shall not affect



Interconnection customer's' obligations under Paragraph 10.1.

## **2. Interconnection Customer Project Output Limitation**

- 2.1 When the Waymart Wind Farm L.P. project is connected to the East Carbondale-Peckville 69kV circuit, the project will be limited to 45 MW of energy injected into the 69kV system.
- 2.2 To accommodate the temporary attachment PPL EU will set certain relay elements in the IPR system to limit the Interconnection Customer's output to 45 MVA. The IPR cabinet at the intertie substation must be functional, tested and accepted by PPL EU prior to energization of the Interconnection Customer's facility.
- 2.3 The temporary attachment will be removed when the permanent connection is established. An outage estimated at 3 to 5 days will be required to transfer the Interconnection Customer's facility from the temporary connection to the permanent connection.

## **3.0 Section 67, Confidentiality, included in Appendix 2, the Standard Terms and Conditions, of this ISA is revised to include the following:**

Notwithstanding anything in section 67 to the contrary, if the FERC or its staff, during the course of an investigation or otherwise, requests information from one of the Parties that is otherwise required to be maintained in confidence pursuant to this Interconnection Service Agreement, the Party shall provide the requested information to the 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 may, consistent with 18 C.F.R. § 388.112, request that the information be treated as confidential and non-public by the FERC and its staff and that the information be withheld from public disclosure. The Party shall notify the affected party to the Interconnection Service Agreement when it is notified by FERC or its staff that a request for disclosure of, or decision to disclose, confidential information has been received, at which time any of the Parties may respond before such information is made public, pursuant to 18 C.F.R. § 388.112.

## **Addendum 10**

## **Schedule G**

### **Schedule of Non-Standard Terms and Conditions**

#### **1 Interconnection Customer Construction Responsibilities**

1.1 This section supercedes article 54.7.1 in Subpart E - Standard Terms and Conditions For Interconnection, which is meant for large synchronous generators. The Interconnection Customer is required to maintain a 98.6% power factor over the full range of wind turbine MW output at the 69kV point of attachment with the Interconnected Transmission Owner.

As stated in the Impact Study.

At 70MW the generation project is required to absorb 12MVAR from the transmission system, including the MVAR absorbed by the step-up transformer, to maintain acceptable voltage levels. This 12MVAR/ 70MW ratio (98.6% power factor) shall be automatically maintained by the Interconnection Customer over the full range of wind turbine MW output at the 69kv point of attachment with the Interconnected Transmission Owner. The necessary power factor compensation and automatic control equipment shall be installed by the Interconnection Customer to maintain the specified power factor. Such equipment could include equipment integral to the wind turbines which is capable of maintaining the specified powerfactor.

If there is a significant amount of 69kv or lower voltage underground cable installed by the Interconnection Customer, selfexcitation of the generators may be a concern. This could lead to additional Interconnected Transmission Owner interface protection relay requirements and/or installation of circuit breakers rated twice the nominal line voltage. Due to such cable installation, additional power factor compensation and control equipment may be needed to be installed by the Interconnection Customer to maintain the specified power factor over the full range of wind turbine MW operation.

1.2 Paragraph 10.1 is hereby amended to include "If the Interconnected Transmission Owner determines the Costs included in Section 3 and 4 of the Specifications to this ISA are to be 110% or greater than that listed, the Interconnected Transmission Owner will notify the Transmission Provider and Interconnection Customer in writing within 10 days of that determination. Such an increase in Costs and notification thereof shall not affect Interconnection customer's' obligations under Paragraph 10.1.

#### **2.0 Section 67, Confidentiality, included in Appendix 2, the Standard Terms and Conditions, of this ISA is revised to include the following:**

Notwithstanding anything in section 67 to the contrary, if the FERC or its staff, during

the course of an investigation or otherwise, requests information from one of the Parties that is otherwise required to be maintained in confidence pursuant to this Interconnection Service Agreement, the Party shall provide the requested information to the 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 may, consistent with 18 C.F.R. § 388.112, request that the information be treated as confidential and non-public by the FERC and its staff and that the information be withheld from public disclosure. The Party shall notify the affected party to the Interconnection Service Agreement when it is notified by FERC or its staff that a request for disclosure of, or decision to disclose, confidential information has been received, at which time any of the Parties may respond before such information is made public, pursuant to 18 C.F.R. § 388.112.

### **3.0 Additional Provisions Related to Shared Facilities**

Two separate entities, Waymart Wind Farm LLC (“Waymart Wind”) and Waymart Storage, LLC (“Waymart Storage,” and collectively, the “Waymart Parties”) own separate Customer Facilities behind the same Point of Interconnection. Pursuant to Service Agreement No. 896 (“Waymart Wind ISA”) and Service Agreement No. 5246 (“Waymart Storage ISA”), Waymart Wind, Waymart Storage, Transmission Provider, and Interconnected Transmission Owner (together, the “Parties”) agree to the following non-standard terms and conditions:

3.1 Separate ISAs: To obtain Interconnection Service and associated Capacity Interconnection Rights, Waymart Wind and Waymart Storage shall enter into separate ISAs pursuant to the Tariff (the Waymart Wind ISA and Waymart Storage ISA, respectively) to govern their individually-owned Customer Facilities located behind the Point of Interconnection shown in Schedule B to this ISA and to receive Capacity Interconnection Rights.

3.2 Single Point of Interconnection: As shown on Schedule B to both the Waymart Wind ISA and Waymart Storage ISA, there is a single Point of Interconnection serving the Waymart Wind Farm Customer Facility (“Waymart Wind Customer Facility”) and Waymart Battery Energy Storage System Customer Facility (“Waymart Storage Customer Facility”), and that single Point of Interconnection is physically located at a point where the Interconnected Transmission Owner’s facilities are connected to the Waymart Wind Customer Interconnection Facilities. Additionally, as shown on Schedule B to both the Waymart Wind ISA and Waymart Storage ISA the Waymart Storage Customer Interconnection Facilities are connected to the Waymart Wind Customer Interconnection Facilities, requiring Waymart Storage to use a portion of the Waymart Wind Customer Interconnection Facilities (“Shared Facilities”) to transport energy produced by the Waymart Storage Customer Facility to the Point of Interconnection.

3.3 Shared Facilities Agreement: The Parties acknowledge and agree that Interconnection Service for Waymart Storage depends upon the physical availability of, and Waymart Storage’s right to utilize, the Shared Facilities. Accordingly, the following shall apply:

3.3.1 Waymart Storage shall obtain Waymart Wind's written agreement allowing Waymart Storage to utilize the Shared Facilities to transport energy produced by the Waymart Storage Customer Facility to the Point of Interconnection.

3.3.2 No later than 30 days after the execution of this ISA, Waymart Wind and Waymart Storage shall provide Transmission Provider and Interconnected Transmission Owner with a copy of that certain agreement pursuant to which Waymart Wind agrees to grant to Waymart Storage rights as described in Section 3.3.1 of this Schedule G ("Shared Facilities Agreement"). Waymart Wind and Waymart Storage shall notify Transmission Provider and Interconnected Transmission Owner within ten (10) business days of any termination of the Shared Facilities Agreement. In the event the Shared Facilities Agreement is terminated, other than as a result of Waymart Wind and Waymart Storage being owned by the same entity(ies), Waymart Storage shall be deemed in Breach of the Waymart Storage ISA in accordance with Section 65 of Appendix 2 to the ISA, unless such Breach can be cured by Waymart Wind and Waymart Storage agreeing to reinstate the Shared Facilities Agreement or to enter into a similar agreement acceptable to the Transmission Provider and Interconnected Transmission Owner, or by Waymart Storage entering some other arrangement acceptable to the Transmission Provider and Interconnected Transmission Owner that enables Waymart Storage to transport energy produced by the Waymart Storage Customer Facility to the Point of Interconnection and to comply with the terms and conditions set forth in the Waymart Storage ISA.

3.3.3 In the event that the Shared Facilities used to provide Interconnection Service become unavailable for any reason to carry energy produced by the Waymart Storage Customer Facility to and across the Point of Interconnection as shown on Schedule B to both the Waymart Wind ISA and Waymart Storage ISA, Waymart Storage's right to utilize the Transmission System will be suspended for the duration of such unavailability, and Transmission Provider and Interconnected Transmission Owner shall incur no liability to Waymart Storage in connection with such suspension.

3.3.4 In the event that Waymart Wind ceases operations of the Shared Facilities, removes from service the Shared Facilities on which Interconnection Service thereunder depends, or for any other reason the Shared Facilities become permanently unavailable to carry energy produced by the Waymart Storage Customer Facility, it shall be Waymart Storage's sole responsibility to acquire and install, or to obtain rights to utilize, other Interconnection Facilities necessary to enable Waymart Storage to deliver energy produced by its Customer Facility to and across the Point of Interconnection. In such event, if Waymart Storage fails to acquire and install, or to obtain rights to utilize, such other Interconnection Facilities pursuant to an agreement or other arrangement that is acceptable to the Transmission Provider and Interconnected Transmission Owner within ten (10) business days or other reasonable time agreed to by Waymart Storage, Transmission Provider and Interconnected Transmission Owner, the Waymart Storage ISA will be terminated.

3.4 Notices to Waymart Parties: Any required notice and all communications to the Waymart Parties and any required notice and all communications from any Waymart Party to the Transmission Provider and/or Interconnected Transmission Owner regarding any matter relating to this ISA or the corresponding ISA of the other Waymart Party governing the interconnection of the Waymart Storage Customer Facility or the Waymart Wind Customer Facility shall be made only to, and given only by, the following contact(s):

Waymart Wind Farm LLC  
C/o GlidePath Power Operations LLC  
132 N York Street, Suite 3L  
Elmhurst, IL 60126  
Attn: Interconnection Notices

Such notice shall constitute notice to, or by, Waymart Wind and Waymart Storage, pursuant to each Waymart Party's ISA and the Tariff, and Transmission Provider shall not be obligated to provide any additional notice. The Waymart Parties may change the contact by providing the Transmission Provider and Interconnected Transmission Owner notice of such change in accordance with the terms of this ISA, provided that the Waymart Parties designate only one party as the new contact.

3.5 Disputes Between Waymart Wind and Waymart Storage: Waymart Wind and Waymart Storage agree that all issues between Waymart Wind and Waymart Storage regarding invoices, disbursements, operations, maintenance, liability and all other matters related to their respective Customer Facilities or the Shared Facilities shall be resolved between Waymart Wind and Waymart Storage.

3.6. Additional Liability and Indemnification Provisions: Notwithstanding anything in this Schedule G or this Agreement regarding limitation of liability or indemnification to the contrary, Transmission Provider, Interconnection Transmission Owner and Interconnection Customer hereby agree that: (a) Interconnection Customer shall indemnify, defend and hold harmless Interconnected Transmission Owner and Transmission Provider from all liability, damages, costs, and expenses (including reasonable attorneys' fees) whatsoever related to, or arising from, any claims resulting from acts taken by or omissions of Interconnection Customer under the Shared Facilities Agreement; and (b) Transmission Provider and Interconnected Transmission Owner shall not be liable, whether based on contract, warranty, tort, strict liability or otherwise, to Interconnection Customer for cessation, interruption or reduction of service, or any damages whatsoever, including direct, incidental, consequential, punitive, special, exemplary, or indirect damages, arising or resulting from the exercise of any right or remedy by Transmission Provider or Interconnected Transmission Owner under the Waymart Wind ISA, provided however, the limitation of liability in this section shall not apply to direct damages that arise or result from the gross negligence or willful misconduct of Transmission Provider or Interconnected Transmission Owner.

3.7 Satisfaction of Obligations by Waymart Parties: Payment by one Waymart Party of any costs due by the Waymart Parties associated with the interconnection of the Customer Facility in accordance with its ISA may, upon the request of the paying Waymart Party, be used to satisfy the obligation of another Waymart Party with respect to costs due from that Waymart Party associated with the interconnection of its Customer Facility in accordance with its ISA.