

FEDERAL ENERGY REGULATORY COMMISSION
WASHINGTON, D.C. 20426

OFFICE OF ENERGY MARKET REGULATION

PJM Interconnection, L.L.C.
Docket No. ER17-1068-000

Issued: 4/7/17

PJM Interconnection, L.L.C.
2750 Monroe Blvd
Audubon, PA 19403-2497

Attention: Steven R. Pincus
Associate General Counsel

Reference: Revisions to Interconnection Service Agreements and Wholesale Market
Participation Agreements

Dear Mr. Pincus:

On March 1, 2017, PJM Interconnection, LLC (PJM) submitted, on behalf of Metropolitan Edison Company (MetEd), Pennsylvania Electric Company (Penelec) and Mid-Atlantic Interstate Transmission, LLC (MAIT), revisions to unexecuted Interconnection Service Agreements and Wholesale Market Participation Agreements (collectively, Agreements) that were previously accepted by the Commission, to reflect that MetEd and Penelec are being replaced by MAIT as parties to the Agreements in connection with the integration of MAIT into PJM.¹

Pursuant to the authority delegated to the Director, Division of Electric Power Regulation – East, under 18 C.F.R. § 375.307, your submittal is accepted for filing, effective the date the agreements were accepted by the Commission, as requested.

The filing was noticed on March 1, 2017, with comments, interventions, and protests due on or before March 22, 2017. Pursuant to Rule 214 (18 C.F.R. § 385.214 (2016)), to the extent that any timely filed motions to intervene and any motion to intervene out-of-time were filed before the issuance date of this order, such interventions

¹ See Appendix for a list of revised tariff records and proposed effective dates.

are granted. Granting late interventions at this stage of the proceeding will not disrupt the proceeding or place additional burdens on existing parties.

This acceptance for filing shall not be construed as constituting approval of the referenced filing or of any rate, charge, classification, or any rule, regulation, or practice affecting such rate or service contained in your filing; nor shall such acceptance be deemed as recognition of any claimed contractual right or obligation associated therewith; and such acceptance is without prejudice to any findings or orders which have been or may hereafter be made by the Commission in any proceeding now pending or hereafter instituted by or against PJM.

This order constitutes final agency action. Requests for rehearing by the Commission may be filed within 30 days of the date of issuance of this order, pursuant to 18 C.F.R. § 385.713.

Sincerely,

Kurt M. Longo, Director
Division of Electric Power
Regulation – East

Appendix

PJM Interconnection, L.L.C.,
PJM Service Agreements Tariff

- [PJM SA No. 937, PJM SA No. 937 among PJM, Meyersdale Windpower, and MAIT, 4.0.0 \(4/25/2016\)](#)
- [PJM SA No. 970, PJM SA No. 970 among PJM, American Project Dev and MAIT, 0.0.0 \(11/4/2006\)](#)
- [PJM SA No. 1438, PJM SA No. 1438 among PJM, Casselman and MAIT, 0.0.0 \(1/13/2006\)](#)
- [PJM SA No. 2971, PJM SA No. 2971 among PJM, Patton Wind Farm and MAIT, 2.0.0 \(2/13/2015\)](#)
- [PJM SA No. 3915, PJM SA No. 3915 Among PJM, Oxbow Creek and MAIT, 3.0.0 \(6/19/2015\)](#)
- [PJM SA No. 4173, PJM SA No. 4173 Among PJM, Green Mountain, and MAIT, 2.0.0 \(2/10/2016\)](#)
- [PJM SA No. 4267, PJM SA No. 4267 among PJM, Hop Bottom and MAIT, 2.0.0 \(9/21/2015\)](#)
- [PJM SA No. 4573, PJM SA No. 4573 Among PJM, York County, and MAIT, 1.0.0 \(1/1/2017\)](#)



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Steven R. Pincus
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March 1, 2017

The Honorable Kimberly D. Bose
Secretary
Federal Energy Regulatory Commission
888 First Street, N.E., Room 1A
Washington, DC 20426

***Re: PJM Interconnection, L.L.C., Docket No. ER17-1068-000
Modifications to Certain Interconnection Service Agreements and Wholesale Market
Participation Agreements to Which Metropolitan Edison Company and Pennsylvania
Electric Company Are Currently Parties***

Pursuant to Section 205 of the Federal Power Act,¹ and Part 35 of the Regulations of the Federal Energy Regulatory Commission (“Commission” or “FERC”),² PJM Interconnection, L.L.C. (“PJM”) submits for filing uncontested modifications to eight (8) unexecuted Interconnection Service Agreements (“ISAs”) and Wholesale Market Participation Agreements (“WMPAs”) (individually, a “Service Agreement” or collectively, the “Agreements”) listed below, and requests each Service Agreement remain effective as of the date accepted by the Commission in each Service Agreement’s respective docket, detailed in Part II of this letter.³

PJM submits the modified Agreements on behalf of Metropolitan Edison Company (“MetEd”), Pennsylvania Electric Company (“Penelec”) and Mid-Atlantic Interstate Transmission, LLC (“MAIT”) (collectively, the “FE Companies”). PJM is submitting the Agreements for filing in accordance with the Commission’s rules and regulations that a change to “any of the provisions of a . . . service agreement required to be on file with this

¹ 16 U.S.C. § 824d (2006).

² 18 C.F.R. Part 35 (2016).

³ Each of the Agreements, as modified in this filing, is a designated service agreement under the PJM Open Access Transmission Tariff (“OATT”). All references to service agreements in this filing are references to service agreements under the PJM OATT.

Commission...shall be filed as a change in rate.”⁴ MetEd and Penelec, which are currently among the parties to the Agreements, are being replaced as parties to the Agreements by MAIT in connection with the integration of MAIT into PJM effective as of February 1, 2017.

Therefore, the Agreements are being modified for the limited purpose of reflecting the substitution of MAIT for MetEd or Penelec (as applicable) in each of the Agreements and to make other non-substantive changes. These modifications are ministerial in nature and will not result in any change to the rates or terms of service under the Agreements.⁵

I. BACKGROUND

MetEd and Penelec are public utilities and wholly owned subsidiaries of FirstEnergy Corp. (“FirstEnergy”), a diversified energy company headquartered in Akron, Ohio. MAIT, a newly formed Delaware limited liability company, is a stand-alone transmission company and a wholly owned subsidiary of FirstEnergy Transmission, LLC (“FET”).⁶

As of February 1, 2017, MAIT owns and operates transmission facilities previously owned and operated by MetEd and Penelec that are under PJM’s functional control.⁷

II. MODIFICATIONS TO THE AGREEMENTS

As of February 1, 2017, MAIT owns and operates the transmission facilities in what were formerly the MetEd and Penelec transmission zones in PJM, including facilities that are subject to the Agreements. Therefore, it is necessary to modify each of the Agreements in accordance

⁴ 18 C.F.R § 35.1(c) (2016).

⁵ In the near future, PJM will submit additional filings on behalf of the FE Companies to make similar ministerial modifications to other agreements in connection with the integration of MAIT into PJM effective as of February 1, 2017.

⁶ FET, formerly known as Allegheny Energy Transmission, LLC, is a direct, wholly owned subsidiary of FirstEnergy.

⁷ The Commission approved this transaction by order dated February 18, 2016. *Pa. Elec. Co., et al.*, 154 FERC ¶ 61,109 (2016).

with the executed Consent to Assignment Agreements (“CAAs”),⁸ attached for informational purposes to this filing, each of which serves as the Parties’ agreement to substitute MAIT for MetEd and Penelec with respect to the transmission facilities. These modifications are ministerial in nature in that, where needed, they consist of simply substituting MAIT’s name for MetEd’s or Penelec’s and providing updated information (*e.g.*, for the contact persons listed in the Agreements for MAIT and for certain interconnection customers).⁹ The modifications are uncontested by any party. Except for the revisions mentioned above, all other terms and conditions of the Agreements previously accepted by the Commission remain the same.

In this filing, PJM proposes to make such modifications to the following currently effective Agreements:

- Interconnection Service Agreement among Penelec, PJM, and Meyersdale Windpower, L.L.C. (Service Agreement No. 937) effective April 25, 2016.¹⁰
- Interconnection Service Agreement among Penelec, PJM, and American Project Development Corp./American Hydro Power Company/American Hydro Power Partners, L.P. (Service Agreement No. 970) effective November 4, 2003.¹¹
- Interconnection Service Agreement among Penelec, PJM, and Casselman Windpower, LLC (Service Agreement No. 1438) effective January 13, 2006.¹²
- Interconnection Service Agreement among Penelec, PJM, and Patton Wind Farm, LLC (Service Agreement No. 2971) effective February 13, 2015.¹³
- Wholesale Market Participation Agreement among Penelec, PJM, and Oxbow Creek Energy LLC (Service Agreement No. 3915) effective June 19, 2015.¹⁴

⁸ The Agreements are being filed unexecuted because the executed CAAs serve as the parties’ authorization to the modifications.

⁹ The modifications to the Agreements include the deletion of the signatures originally contained therein. For any Agreements containing handwritten and illegible signatures, the signature lines have been left blank.

¹⁰ *PJM Interconnection, L.L.C.*, Letter Order, in Docket No. ER16-1784-000 (July 14, 2016).

¹¹ *PJM Interconnection, L.L.C.*, Letter Order, in Docket No. ER04-261-000 (Jan. 29, 2004).

¹² *PJM Interconnection, L.L.C.*, Letter Order, in Docket No. ER06-633-000 (Mar. 29, 2006).

¹³ *PJM Interconnection, L.L.C.*, Letter Order, in Docket No. ER15-1295-000 (May 1, 2015).

- Wholesale Market Participation Agreement among Penelec, PJM, and Green Mountain Storage, LLC (Service Agreement No. 4173) effective February 10, 2016.¹⁵
- Wholesale Market Participation Agreement among Penelec, PJM, and Hop Bottom Energy LLC (Service Agreement No. 4267) effective September 21, 2015.¹⁶
- Interconnection Service Agreement among MetEd, PJM, and York County Solid Waste & Refuse Authority (Service Agreement No. 4573) effective January 1, 2017.¹⁷

III. 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 Agreements. Additionally, PJM requests a waiver of the Commission's 60-day prior notice requirement to allow each of the Agreements to remain effective as of the date accepted by the Commission in the Agreement's respective docket, detailed in Part II of this letter. Good cause exists to grant the requested waiver because the substance of the Agreements was previously accepted by the Commission and any changes authorized by the Parties pursuant to the CAAs are ministerial.

IV. COMMUNICATIONS

Please place the names of the following persons on the official service list established by the Secretary in this proceeding:

Craig Glazer
Vice President–Federal Government Policy
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1200 G Street, N.W, Suite 600
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(610) 666-4370
steven.pincus@pjm.com

¹⁴ *PJM Interconnection, L.L.C.*, Letter Order, in Docket No. ER16-2308-000 (Aug. 26, 2016).

¹⁵ *PJM Interconnection, L.L.C.*, Letter Order, in Docket No. ER16-1145-000 (Apr. 18, 2016).

¹⁶ *PJM Interconnection, L.L.C.*, Letter Order, in Docket No. ER16-1367-000 (May 6, 2016).

¹⁷ *PJM Interconnection, L.L.C.*, Letter Order, in Docket Nos. ER17-263-000 and ER17-263-001 (Dec. 21, 2016).

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(202) 239-3300
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V. DOCUMENTS ENCLOSED

PJM encloses the following:

1. Attachment A-1 Clean Service Agreement No. 937 as modified in this filing;
2. Attachment A-2 Red-lined Service Agreement No. 937 as modified in this filing;
3. Attachment A-3 Executed consent to assign Service Agreement No. 937 to MAIT;
4. Attachment B-1 Clean Service Agreement No. 970 as modified in this filing;
5. Attachment B-2 Red-lined Service Agreement No. 970 as modified in this filing;
6. Attachment B-3 Executed consent to assign Service Agreement No. 970 to MAIT;
7. Attachment C-1 Clean Service Agreement No. 1438 as modified in this filing;
8. Attachment C-2 Red-lined Service Agreement No. 1438 as modified in this filing;
9. Attachment C-3 Executed consent to assign Service Agreement No. 1438 to MAIT;
10. Attachment D-1 Clean Service Agreement No. 2971 as modified in this filing;
11. Attachment D-2 Red-lined Service Agreement No. 2971 as modified in this filing;
12. Attachment D-3 Executed consent to assign Service Agreement No. 2971 to MAIT;
13. Attachment E-1 Clean Service Agreement No. 3915 as modified in this filing;
14. Attachment E-2 Red-lined Service Agreement No. 3915 as modified in this filing;
15. Attachment E-3 Executed consent to assign Service Agreement No. 3915 to MAIT;
16. Attachment F-1 Clean Service Agreement No. 4173 as modified in this filing;

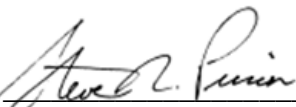
17. Attachment F-2 Red-lined Service Agreement No. 4173 as modified in this filing;
18. Attachment F-3 Executed consent to assign Service Agreement No. 4173 to MAIT;
19. Attachment G-1 Clean Service Agreement No. 4267 as modified in this filing;
20. Attachment G-2 Red-lined Service Agreement No. 4267 as modified in this filing;
21. Attachment G-3 Executed consent to assign Service Agreement No. 4267 to MAIT;
22. Attachment H-1 Clean Service Agreement No. 4573 as modified in this filing;
23. Attachment H-2 Red-lined Service Agreement No. 4573 as modified in this filing;
and
24. Attachment H-3 Executed consent to assign Service Agreement No. 4573 to MAIT.

V. SERVICE

Copies of this filing, including all attachments, have been served by MAIT on all of the parties to the Agreements. PJM will serve all the state utility regulatory commissions within the PJM Region.

Please contact the undersigned if you have any questions.

Respectfully submitted,

By: 

Steven R. Pincus
Associate General Counsel
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2750 Monroe Blvd.
Audubon, Pennsylvania 19403
(610) 666-4370
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Attachment C-1

Clean Tariff

Service Agreement No. 1438

(PJM Queue #L13)

INTERCONNECTION SERVICE AGREEMENT

Among

PJM INTERCONNECTION, L.L.C.

And

Casselman Windpower, LLC

And

Mid-Atlantic Interstate Transmission, LLC

INTERCONNECTION SERVICE AGREEMENT

- 1.0 Parties. This Interconnection Service Agreement (“ISA”), dated as of October 26, 2005, including the Specifications, Schedules and Appendices 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”), Casselman Windpower, LLC (“Interconnection Customer”) and Mid-Atlantic Interstate Transmission, LLC (“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 Part IV of the Tariff.
- 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 Customer Facility Specifications. Attached are Specifications for the Customer Facility that Interconnection Customer proposes to interconnect with the Transmission System. Interconnection Customer represents and warrants that, upon completion of construction of such facilities, it will own or control the Customer 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 Customer 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) or Section 41.7.3(b) of the Tariff, as applicable, Interconnection Customer, on or before the effective date of this ISA, shall provide the Transmission Provider (for the benefit of the Interconnected Transmission Owner) with a letter of credit from an agreed provider or other form of security reasonably acceptable to the Transmission Provider and that names the Transmission Provider as beneficiary (“Security”) in the amount of \$770,000. This amount represents the estimated Costs, determined in accordance with Section 37 or Section 42 of the

Tariff, of the Local Upgrades and/or Network Upgrades described in Section 3.0 of the attached Specifications, plus the Costs of any Merchant Network Upgrades that Interconnected Transmission Owner is responsible for building pursuant to Subpart F of Part IV of the Tariff and the parties' Construction Service Agreement, plus the estimated cost of the work on the required Attachment Facilities described in Section 3.0 of the Specifications that is scheduled to be completed during the first three months after such work commences, less any Costs already paid by Interconnection Customer. 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 or Section 42 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.

- 6.0 Project Specific Milestones. In addition to the milestones stated in Section 36.8.5 or Section 41.7.4 of the Tariff, as applicable, during the term of this ISA, Interconnection Customer shall ensure that its Customer Facility meets each of the following development milestones:
- 6.1 On or before November 1, 2006, Interconnection Customer must demonstrate completion of at least 20% of project site construction workscope.
 - 6.2 On or before December 1, 2006, Interconnection Customer must demonstrate that the generators have been delivered to Interconnection Customer's project site.
 - 6.3 On or before December 31, 2006. Interconnection Customer must demonstrate commercial operation of the generating units. Commercial operation includes the sale of energy in the PJM market.
 - 6.4 One month after commercial operation, 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.
 - 6.5 On or before July 1, 2006 Interconnection Customer will provide detailed information on the length and configuration of the underground cable installed for the wind farm.
 - 6.6 Within one year from the date of commercial operation of the initial wind turbine, all twenty-seven wind turbines shall be in commercial operation. In the event this milestone is not met, notwithstanding Section 2.1 of the specifications section of this ISA, the Interconnection Customer shall only have Capacity interconnection Rights in an amount equal to twenty percent of the total nameplate capacity of the wind turbines that have achieved commercial operation by the one year anniversary of the commercial operation date of the initial wind turbine.

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. The milestone dates stated in this ISA shall be deemed to be extended coextensively with any suspension of work initiated by Interconnection Customer in accordance with Section 83.4 of the Tariff.

- 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 Region of Interconnection Customer's Customer 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 and transmission in the PJM Region, including but not limited to the rules and procedures concerning the dispatch of generation or scheduling transmission set forth in the Tariff, the Operating Agreement and the PJM Manuals.
- 9.0 Facilities Study. In analyzing and preparing the Generation Interconnection 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 OTHER SUBCONTRACTORS EMPLOYED BY TRANSMISSION PROVIDER 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 Transmission Owner Interconnection Facilities and any Merchant Transmission Upgrades described in the Specifications will be designed and constructed (to the extent that Interconnected Transmission Owner is responsible for design and 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 Transmission Owner 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 Customer

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, as well as Costs of any Merchant Network Upgrades constructed on behalf of Interconnection Customer. 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.
- 10.3. Contract Option. In the event that the Interconnection Customer and Interconnected Transmission Owner agree to utilize the Negotiated Contract Option provided by Section 83.2.2 of Subpart F of Part IV of the Tariff to establish, subject to FERC acceptance, non-standard terms regarding cost responsibility, payment, billing and/or financing, the terms of Sections 10.1 and/or 10.2 of this Section 10.0 shall be superseded to the extent required to conform to such negotiated terms, as stated in a schedule attached to the parties' Construction Service Agreement relating to interconnection of the Customer Facility.
- 10.4 In the event that the Interconnection Customer elects to construct some or all of the Transmission Owner Interconnection Facilities and/or of any Merchant Network Upgrades under the Option to Build of Section 83.2.3 of Subpart F of Part IV of the Tariff, the charges under Section 13.0 below and billing and payment under Section 10.2 above shall relate only to such portion of the Interconnection Facilities and/or any Merchant Network Upgrades as the Interconnected Transmission Owner is responsible for building.

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 Customer Interconnection Facilities and the Transmission Owner Interconnection Facilities are identified on the attached Schedule C to this ISA.
- 11.2A List and Ownership of Merchant Network Upgrades. Merchant Network Upgrades to be constructed and ownership of the components thereof are identified in Section 3.0 of the Specifications attached 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 Customer Facility and the Interconnection Facilities are attached as Schedule E to this ISA.
- 12.0 Operational Requirements.
- 12.1 The Maximum Facility Output of the Customer Facility is 40MW.
- 13.0 Charges. In accordance with Sections 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 with respect to Interconnection Service 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 Subpart E, 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:
Casselman Windpower, LLC
C/o Avangrid Renewables
1125 NW Couch St., Suite 700
Portland, OR 97209
Attn: Rob Batarags

Interconnected Transmission Owner:
Mid-Atlantic Interstate Transmission, LLC
76 South Main Street
Akron, OH 44308
Attn.: Manager-Transmission Rates & Contracts

- 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.
- 21.0 Addendum of Interconnection Customer's Agreement to Conform with IRS Safe Harbor Provisions for Non-Taxable Status. To the extent required, in accordance with Section 82.4.1 of the Tariff, Schedule H to this ISA shall set forth the Interconnection Customer's agreement to conform with the IRS safe harbor provisions for non-taxable status.

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:

By: _____
Name Title Date

Interconnection Customer:

By: _____
Name Title Date

Interconnected Transmission Owner:

By: _____
Name Title Date

**SPECIFICATIONS FOR
INTERCONNECTION SERVICE AGREEMENT
Between
PJM INTERCONNECTION, L.L.C.
And
Casselman Windpower, LLC
And
Mid-Atlantic Interstate Transmission, LLC**

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

a. Name of Customer Facility:

Casselman

b. Location of Customer Facility:

The western portion of Summit Township, Somerset County, Pennsylvania.

c. Size in megawatts of Customer Facility:

for Generation Interconnection Customer:

Net maximum summer energy output of 40MW

Net maximum winter energy output of 40MW

d. Description of the equipment configuration:

27 GE 1.5 MW wind turbines

2.0 Rights

2.1 Pursuant to the PJM Tariff, the Interconnection Customer shall have Capacity Interconnection Rights at the location specified in Section 1.0b above in the amount of 8.0 MW.

To the extent that generating unit(s) described in section 1.0 are not a Capacity Resource with Capacity Interconnection Rights, such generating unit(s) shall be an Energy Resource. Pursuant to this Interconnection Service Agreement, the generating unit will be permitted to inject 40 MW (nominal) into the system. PJM reserves the right to limit injections to this quantity in the event reliability would be affected by output greater than such quantity.

3.0 Construction Responsibility

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 Transmission Owner Interconnection Facilities and/or of any Merchant Network Upgrades which constitute or are part of the Customer Facility:

- A new three breaker, 115kV ring bus interconnection substation (Casselman) (Upgrade # n0396)

b. **Mid-Atlantic Interstate Transmission, LLC**

- Interconnection into the Rockwood-Arnold 115kV line. (Upgrade # n0397)
- Addition of fiber optic terminal equipment at Rockwood 115kV substation. (Upgrade #n0464)
- Addition of fiber optic terminal equipment at Meyersdale North Substation. (Upgrade #n0465)
- Fiber optic line between Rockwood and Meyersdale North. (Upgrade #n0466)

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 IV of the Tariff, Interconnection Customer shall be subject to the charges detailed below:

4.1 Attachment Facilities Charge: \$0

4.2 Network Upgrades Charge: \$770,000

Mid-Atlantic Interstate Transmission, LLC

4.3 Local Upgrades Charge: \$0

4.4 Other Charges: \$0

4.5 Cost of Merchant Network Upgrades: \$0

4.6 Cost breakdown:

\$ 378,000	Direct Labor
\$ 221,000	Direct Material
\$ 131,000	Indirect Labor
\$ 40,000	Indirect Material
\$ 770,000	Total

4.7 Guaranty amount required: 0

4.8 Guaranty Reduction Schedule: 0

APPENDICES:

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

SCHEDULES:

- **SCHEDULE A - CUSTOMER 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**
- **SCHEDULE H - INTERCONNECTION CUSTOMER'S AGREEMENT TO CONFORM WITH IRS SAFE HARBOR PROVISIONS FOR NON-TAXABLE STATUS**

APPENDIX I
DEFINITIONS

**From the PJM Tariff accepted for filing by the Commission
as of the effective date of this agreement.**

DEFINITIONS FROM PART I OF THE PJM TARIFF

1 Definitions

- 1.0A Affected System:** An electric system other than the Transmission Provider's Transmission System that may be affected by a proposed interconnection.
- 1.0B Affected System Operator:** An entity that operates an Affected System or, if the Affected System is under the operational control of an independent system operator or a regional transmission organization, such independent entity.
- 1.1 Ancillary Services:** Those services that are necessary to support the transmission of capacity and energy from resources to loads while maintaining reliable operation of the Transmission Provider's Transmission System in accordance with Good Utility Practice.
- 1.2 Annual Transmission Costs:** The total annual cost of the Transmission System for purposes of Network Integration Transmission Service shall be the amount specified in Attachment H for each Zone until amended by the applicable Transmission Owner or modified by the Commission.
- 1.2A Applicable Regional Reliability Council:** The reliability council for the region in which a Network Customer, Transmission Customer, Interconnection Customer, or Transmission Owner operates.
- 1.3 Application:** A request by an Eligible Customer for transmission service pursuant to the provisions of the Tariff.
- 1.3A Attachment Facilities:** The facilities necessary to physically connect a Customer Facility to the Transmission System or interconnected distribution facilities.
- 1.3B Behind The Meter Generation:** Behind The Meter Generation refers to one or more generation units that are located with load at a single electrical location such that no transmission or distribution facilities owned or operated by any Transmission Owner or electric distributor are used to deliver energy from the generating units to the load; provided, however, that Behind The Meter Generation does not include (i) at any time, any portion of such generating unit[s]' capacity that is designated as a Capacity Resource; or (ii) in an hour, any portion of the output of the generating unit[s] that is sold to another entity for consumption at another electrical location or into the PJM Interchange Energy Market.
- 1.3BB Black Start Service:** Black Start Service is the capability of generating units to start without an outside electrical supply or the demonstrated ability of a generating unit with a high operating factor (subject to Transmission Provider concurrence) to automatically remain operating at reduced levels when disconnected from the grid.

- 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.
- 1.3D Capacity Resource:** The net capacity from owned or contracted for generating facilities which are accredited pursuant to the procedures set forth in the Reliability Assurance Agreement or the Reliability Assurance Agreement-South.
- 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 PJM Region that satisfies all applicable criteria specified in the PJM Manuals, similar to Capacity Interconnection Rights.
- 1.4 Commission:** The Federal Energy Regulatory Commission.
- 1.5 Completed Application:** An Application that satisfies all of the information and other requirements of the Tariff, including any required deposit.
- 1.6 Control Area:** An electric power system or combination of electric power systems to which a common automatic generation control scheme is applied in order to:
- (1) match, at all times, the power output of the generators within the electric power system(s) and capacity and energy purchased from entities outside the electric power system(s), with the load within the electric power system(s);
 - (2) maintain scheduled interchange with other Control Areas, within the limits of Good Utility Practice;
 - (3) maintain the frequency of the electric power system(s) within reasonable limits in accordance with Good Utility Practice; and
 - (4) provide sufficient generating capacity to maintain operating reserves in accordance with Good Utility Practice.
- 1.6A Control Zone:** Shall have the meaning given in the Operating Agreement.
- 1.7 Curtailment:** A reduction in firm or non-firm transmission service in response to a transmission capacity shortage as a result of system reliability conditions.

- 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.
- 1.7B Daily Capacity Deficiency Rate** is as defined in Schedule 11 of the Reliability Assurance Agreement the West RAA, and the Reliability Assurance Agreement-South.
- 1.7C Deactivation:** The retirement or mothballing of a generating unit governed by Part V of this Tariff.
- 1.7D Deactivation Avoidable Cost Credit:** The credit paid to Generation Owners pursuant to section 114 of this Tariff.
- 1.7E Deactivation Avoidable Cost Rate:** The formula rate established pursuant to section 115 of this Tariff.
- 1.7F Deactivation Date:** The date a generating unit within the PJM Region is either retired or mothballed and ceases to operate.
- 1.8 Delivering Party:** The entity supplying capacity and energy to be transmitted at Point(s) of Receipt.
- 1.9 Designated Agent:** Any entity that performs actions or functions on behalf of the Transmission Provider, a Transmission Owner, an Eligible Customer, or the Transmission Customer required under the Tariff.
- 1.10 Direct Assignment Facilities:** Facilities or portions of facilities that are constructed for the sole use/benefit of a particular Transmission Customer requesting service under the Tariff. Direct Assignment Facilities shall be specified in the Service Agreement that governs service to the Transmission Customer and shall be subject to Commission approval.
- 1.10A East Transmission Owner:** A Transmission Owner that is a party to that certain "Transmission Owners Agreement" dated June 2, 1997, as revised.
- 1.11 Eligible Customer:** (i) Any electric utility (including any Transmission Owner and any power marketer), Federal power marketing agency, or any person generating electric energy for sale for resale is an Eligible Customer under the Tariff. Electric energy sold or produced by such entity may be electric energy produced in the United States, Canada or Mexico. However, with respect to transmission service that the Commission is prohibited from ordering by Section 212(h) of the Federal Power Act, such entity is eligible only if the service is provided pursuant to a state requirement that the Transmission Provider or Transmission Owner offer the unbundled transmission service, or pursuant to a voluntary offer of such service by a Transmission Owner. (ii) Any retail customer taking unbundled transmission service pursuant to a state requirement that the Transmission Provider or a Transmission Owner offer the transmission

service, or pursuant to a voluntary offer of such service by a Transmission Owner, is an Eligible Customer under the Tariff.

- 1.11A Energy Resource:** A generating facility that is not a 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.
- 1.12 Facilities Study:** An engineering study conducted by the Transmission Provider (in coordination with the affected Transmission Owner(s)) to determine the required modifications to the Transmission Provider's Transmission System, including the cost and scheduled completion date for such modifications, that will be required to provide the requested transmission service or to accommodate an Interconnection Request.
- 1.12A [Reserved.]**
- 1.13 Firm Point-To-Point Transmission Service:** Transmission Service under this Tariff that is reserved and/or scheduled between specified Points of Receipt and Delivery pursuant to Part II of this Tariff.
- 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.
- 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 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 Region.

- 1.13F Generation Owner:** An entity that owns or otherwise controls and operates one or more operating generating units in the PJM 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.
- 1.14A IDR Transfer Agreement:** An agreement to transfer, subject to the terms of Section 49B of the Tariff, Incremental Deliverability Rights to a party for the purpose of eliminating or reducing the need for Local or Network Upgrades that would otherwise have been the responsibility of the party receiving such rights.
- 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.
- 1.14D.01 Interconnected Transmission Owner:** The Transmission Owner to whose transmission facilities the Customer Interconnection Facilities (as defined in section 50.15A) are, or as the case may be, the Customer Facility is, being directly connected. As used in Subpart F of Part IV of the Tariff, 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.

- 1.14E Interconnection Customer:** A Generation Interconnection Customer and/or a Transmission Interconnection Customer.
- 1.14F Interconnection Queue:** All Interconnection Requests that are received within each six-month period ending on January 31 and July 31 of each year shall collectively comprise an Interconnection Queue.
- 1.14G Interconnection Queue Closing Date:** Each January 31 and July 31 shall be the Interconnection Queue Closing Date for the Interconnection Queue comprised of Interconnection Requests received during the six-month period ending on such date.
- 1.14H Interconnection Request:** A Generation Interconnection Request, a Transmission Interconnection Request and/or an IDR Transfer Agreement.
- 1.14I Interconnection Service Agreement:** An agreement among the Transmission Provider, an Interconnection Customer and an Interconnected Transmission Owner regarding interconnection under Part IV of the Tariff.
- 1.14J Interconnection Studies:** The Generation Interconnection Feasibility Study, the Transmission Interconnection Feasibility Study, the System Impact Study, and the Facilities Study described in Part IV of the Tariff.
- 1.15 Interruption:** A reduction in non-firm transmission service due to economic reasons pursuant to Section 14.7.
- 1.16 Load Ratio Share:** Ratio of a Transmission Customer's Network Load to the Transmission Provider's total load.
- 1.17 Load Shedding:** The systematic reduction of system demand by temporarily decreasing load in response to transmission system or area capacity shortages, system instability, or voltage control considerations under Part II or Part III of the Tariff.
- 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.
- 1.18 Long-Term Firm Point-To-Point Transmission Service:** Firm Point-To-Point Transmission Service under Part II of the Tariff with a term of one year or more.

- 1.18A MAAC:** The Mid-Atlantic Area Council, a reliability council under section 202 of the Federal Power Act, established pursuant to the MAAC Agreement dated 1 August 1994, or any successor thereto.
- 1.18A.01 MAAC Control Zone:** The aggregate of the zones of Atlantic City Electric Company, Baltimore Gas and Electric Company, Delmarva Power and Light Company, Jersey Central Power and Light Company, Metropolitan Edison Company, PECO Energy Company, Pennsylvania Electric Company, Pennsylvania Power & Light Group, Potomac Electric Power Company, Public Service Electric and Gas Company and Rockland Electric Company.
- 1.18A1 Material Modification:** Any modification to an Interconnection Request that has a material adverse effect on the cost or timing of Interconnection Studies related to, or any Network Upgrades or Local Upgrades needed to accommodate, any Interconnection Request with a later Queue Position.
- 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 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.
- 1.18F Merchant Transmission Provider:** An Interconnection Customer that (1) owns, controls, or controls the rights to use the transmission capability of, Merchant D.C. Transmission Facilities that connect the Transmission System with another control area, (2) has elected to receive Transmission Injection Rights and Transmission Withdrawal Rights associated with such facility

pursuant to Section 41 of the Tariff, and (3) makes (or will make) the transmission capability of such facilities available for use by third parties under terms and conditions approved by the Commission and stated in the Tariff, consistent with Section 44B below.

- 1.19 Native Load Customers:** The wholesale and retail power customers of a Transmission Owner on whose behalf the Transmission Owner, by statute, franchise, regulatory requirement, or contract, has undertaken an obligation to construct and operate the Transmission Owner's system to meet the reliable electric needs of such customers.
- 1.19A NERC:** The North American Electric Reliability Council or any successor thereto.
- 1.20 Network Customer:** An entity receiving transmission service pursuant to the terms of the Transmission Provider's Network Integration Transmission Service under Part III of the Tariff.
- 1.21 Network Integration Transmission Service:** The transmission service provided under Part III of the Tariff.
- 1.22 Network Load:** The load that a Network Customer designates for Network Integration Transmission Service under Part III of the Tariff. The Network Customer's Network Load shall include all load served by the output of any Network Resources designated by the Network Customer. A Network Customer may elect to designate less than its total load as Network Load but may not designate only part of the load at a discrete Point of Delivery. Where an Eligible Customer has elected not to designate a particular load at discrete points of delivery as Network Load, the Eligible Customer is responsible for making separate arrangements under Part II of the Tariff for any Point-To-Point Transmission Service that may be necessary for such non-designated load.
- 1.23 Network Operating Agreement:** An executed agreement that contains the terms and conditions under which the Network Customer shall operate its facilities and the technical and operational matters associated with the implementation of Network Integration Transmission Service under Part III of the Tariff.
- 1.24 Network Operating Committee:** A group made up of representatives from the Network Customer(s) and the Transmission Provider established to coordinate operating criteria and other technical considerations required for implementation of Network Integration Transmission Service under Part III of this Tariff.
- 1.25 Network Resource:** Any designated generating resource owned, purchased, or leased by a Network Customer under the Network Integration Transmission Service Tariff. Network Resources do not include any resource, or any portion thereof, that is committed for sale to third parties or otherwise cannot be called

upon to meet the Network Customer's Network Load on a non-interruptible basis.

- 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.
- 1.26A New PJM Zone(s):** The Zone included in this Tariff, along with applicable Schedules and Attachments, for Commonwealth Edison Company, The Dayton Power and Light Company and the AEP East Operating Companies (Appalachian Power Company, Columbus Southern Power Company, Indiana Michigan Power Company, Kentucky Power Company, Kingsport Power Company, Ohio Power Company and Wheeling Power Company).
- 1.27 Non-Firm Point-To-Point Transmission Service:** Point-To-Point Transmission Service under the Tariff that is reserved and scheduled on an as-available basis and is subject to Curtailment or Interruption as set forth in Section 14.7 under Part II of this Tariff. Non-Firm Point-To-Point Transmission Service is available on a stand-alone basis for periods ranging from one hour to one month.
- 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.
- 1.27B Non-Zone Network Load:** Network Load that is located outside of the PJM Region.
- 1.27C Office of the Interconnection:** The Office of the Interconnection, as supervised by the Board of Managers of the PJM Interconnection, L.L.C, acting pursuant to the Operating Agreement.
- 1.28 Open Access Same-Time Information System (OASIS):** The information system and standards of conduct contained in Part 37 of the Commission's regulations and all additional requirements implemented by subsequent Commission orders dealing with OASIS.
- 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.

- 1.28B Optional Interconnection Study:** A sensitivity analysis of an Interconnection Request based on assumptions specified by the Interconnection Customer in the Optional Interconnection Study Agreement.
- 1.28C Optional Interconnection Study Agreement:** The form of agreement for preparation of an Optional Interconnection Study, as set forth in Attachment N-3 of the Tariff.
- 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 Part V:** Tariff sections 113 through 121 pertaining to the deactivation of generating units in conjunction with the applicable Common Service Provisions of Part I and appropriate Schedules and Attachments.
- 1.32 Parties:** The Transmission Provider and the Transmission Customer receiving service under the Tariff.
- 1.32A PJM Administrative Service:** The services provided by PJM pursuant to Schedule 9 of this Tariff.
- 1.32B PJM Control Area:** The Control Area that is recognized by NERC as the PJM Control Area.
- 1.32C PJM Interchange Energy Market:** The regional competitive market administered by the Transmission Provider for the purchase and sale of spot electric energy at wholesale interstate commerce and related services, as more fully set forth in Attachment K - Appendix to the Tariff and Schedule 1 to the Operating Agreement.
- 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.

- 1.32E PJM Region:** Shall mean the aggregate of the PJM West Region, the VACAR Control Zone, and the MAAC Control Zone.
- 1.32F PJM South Region:** The VACAR Control Zone.
- 1.32G PJM West Region:** The aggregate of the Zones of the West Transmission Owners. Effective May 1, 2004, the PJM West Region shall include the Zone of Commonwealth Edison Company (including Commonwealth Edison Co. of Indiana). Effective October 1, 2004, the PJM West Region shall include the Zones of AEP East Operating Companies and The Dayton Power and Light Company. Effective January 1, 2005, the PJM West Region shall include the Zone of Duquesne Light Company.
- 1.33 Point(s) of Delivery:** Point(s) on the Transmission Provider's Transmission System where capacity and energy transmitted by the Transmission Provider will be made available to the Receiving Party under Part II of the Tariff. The Point(s) of Delivery shall be specified in the Service Agreement for Long-Term Firm Point-To-Point Transmission Service.
- 1.34 Point(s) of Receipt:** Point(s) of interconnection on the Transmission Provider's Transmission System where capacity and energy will be made available to the Transmission Provider by the Delivering Party under Part II of the Tariff. The Point(s) of Receipt shall be specified in the Service Agreement for Long-Term Firm Point-To-Point Transmission Service.
- 1.35 Point-To-Point Transmission Service:** The reservation and transmission of capacity and energy on either a firm or non-firm basis from the Point(s) of Receipt to the Point(s) of Delivery under Part II of the Tariff.
- 1.36 Power Purchaser:** The entity that is purchasing the capacity and energy to be transmitted under the Tariff.
- 1.36A Pre-Expansion PJM Zones:** Zones included in this Tariff, along with applicable Schedules and Attachments, for certain Transmission Owners — Atlantic City Electric Company, Baltimore Gas and Electric Company, Delmarva Power and Light Company, Jersey Central Power and Light Company, Metropolitan Edison Company, PECO Energy Company, Pennsylvania Electric Company, Pennsylvania Power & Light Group, Potomac Electric Power Company, Public Service Electric and Gas Company, Allegheny Power, and Rockland Electric Company.
- 1.36B Queue Position:** The priority assigned to an Interconnection Request pursuant to Section 36.10, Section 41.8, or Section 49B.6.
- 1.37 Receiving Party:** The entity receiving the capacity and energy transmitted by the Transmission Provider to Point(s) of Delivery.

- 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.
- 1.38 Regional Transmission Group (RTG):** A voluntary organization of transmission owners, transmission users and other entities approved by the Commission to efficiently coordinate transmission planning (and expansion), operation and use on a regional (and interregional) basis.
- 1.38.01 Regulation Zone:** Any of those one or more geographic areas, each consisting of a combination of one or more Control Zone(s) as designated by the Office of the Interconnection in the PJM Manuals, relevant to provision of, and requirements for, regulation service.
- 1.38A Reliability Assurance Agreement:** The Reliability Assurance Agreement Among Load Serving Entities in the MAAC Control Zone, dated as of June 2, 1997, and as amended from time to time thereafter.
- 1.38B Reliability Assurance Agreement-South:** The PJM South Reliability Assurance Agreement Among Load-Serving Entities in the PJM South Region, as amended from time to time, establishing obligations, standards and procedures for maintaining the reliable operation of the VACAR Control Zone.
- 1.38C Required Transmission Enhancements:** Enhancements and expansions of the Transmission System that (1) a Regional Transmission Expansion Plan developed pursuant to Schedule 6 of the Operating Agreement or (2) the Coordinated System Plan periodically developed pursuant to the Joint Operating Agreement Between the Midwest Independent Transmission System Operator, Inc. and PJM Interconnection, L.L.C. designates one or more of the Transmission Owner(s) or the transmission owners within the Midwest Independent System Operator to construct and own or finance.
- 1.39 Reserved Capacity:** The maximum amount of capacity and energy that the Transmission Provider agrees to transmit for the Transmission Customer over the Transmission Provider's Transmission System between the Point(s) of Receipt and the Point(s) of Delivery under Part II of the Tariff. Reserved Capacity shall be expressed in terms of whole megawatts on a sixty (60) minute interval (commencing on the clock hour) basis.
- 1.40 Service Agreement:** The initial agreement and any amendments or supplements thereto entered into by the Transmission Customer and the Transmission Provider for service under the Tariff.
- 1.41 Service Commencement Date:** The date the Transmission Provider begins to provide service pursuant to the terms of an executed Service Agreement, or the date the Transmission Provider begins to provide service in accordance with Section 15.3 or Section 29.1 under the Tariff.

- 1.42 Short-Term Firm Point-To-Point Transmission Service:** Firm Point-To-Point Transmission Service under Part II of the Tariff with a term of less than one year.
- 1.42A South Transmission Owner:** A Transmission Owner that has executed the South Transmission Owner Agreement.
- 1.42B South Transmission Owner Agreement:** That certain “South Transmission Owner Agreement,” as it may be amended hereafter.
- 1.42C Spinning Reserve Zone:** The MAAC Control Zone or any of those geographic areas consisting of a combination of one or more of the Control Zone(s) in the PJM West Region as designated by the Office of the Interconnection in the PJM Manuals, relevant to provision of, and requirements for, spinning reserve service.
- 1.42D State:** The term “state” shall mean a state of the United States or the District of Columbia.
- 1.43 System Impact Study:** An assessment by the Transmission Provider of (i) the adequacy of the Transmission System to accommodate a request for Firm Point-To-Point Transmission Service, a request for Network Integration Transmission Service, or an Interconnection Request, (ii) whether any additional costs may be incurred in order to provide such transmission service or to accommodate an Interconnection Request, and (iii) with respect to an Interconnection Request, an estimated date that an Interconnection Customer’s Customer Facility can be interconnected with the Transmission System and an estimate of the Interconnection Customer’s cost responsibility for the interconnection.
- 1.43A Tariff:** This document, the “PJM Open Access Transmission Tariff.”
- 1.44 Third-Party Sale:** Any sale for resale in interstate commerce to a Power Purchaser that is not designated as part of Network Load under the Network Integration Transmission Service but not including a sale of energy through the PJM Interchange Energy Market established under the PJM Operating Agreement.
- 1.45 Transmission Customer:** Any Eligible Customer (or its Designated Agent) that (i) executes a Service Agreement, or (ii) requests in writing that the Transmission Provider file with the Commission, a proposed unexecuted Service Agreement to receive transmission service under Part II of the Tariff. This term is used in the Part I Common Service Provisions to include customers receiving transmission service under Part II and Part III of this Tariff.
- 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 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 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.
- 1.45G Transmission Owners' Agreement:** That agreement dated as of June 1, 1997, as revised, among transmission owners in the MAAC Control Zone.
- 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, South Transmission Owners Agreement or West Transmission Owners Agreement, to construct, own, and finance the needed facilities or enhancements or modifications to facilities.

- 1.47 Transmission Provider's Monthly Transmission System Peak:** The maximum firm usage of the Transmission Provider's Transmission System in a calendar month.
- 1.48 Transmission Service:** Point-To-Point Transmission Service provided under Part II of the Tariff on a firm and non-firm basis.
- 1.49 Transmission System:** The facilities controlled or operated by the Transmission Provider within the PJM 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.
- 1.49B VACAR:** The group of five companies, consisting of Duke Energy, Carolina Power and Light, South Carolina Public Service Authority, South Carolina Electric and Gas, and Virginia Electric and Power Company.
- 1.49C VACAR Control Zone:** The Transmission Facilities of Virginia Electric and Power Company.
- 1.49D West RAA:** PJM West Reliability Assurance Agreement Among Load Serving Entities In The PJM West Region dated as of March 14, 2001, and as amended from time to time thereafter.
- 1.49E West Transmission Owner:** A Transmission Owner that has executed the PJM West Transmission Owners Agreement, dated as of March 13, 2001, and as amended from time to time thereafter.
- 1.49F West Transmission Owners Agreement:** That agreement dated as of March 13, 2001, as revised, among transmission owners in the PJM West Region.
- 1.49G Wholesale Transaction:** As used in Part IV, means any transaction involving the transmission or sale for resale of electricity in interstate commerce that utilizes any portion of the Transmission System.
- 1.49H Zone:** An area within the PJM Region, as set forth in Attachment J.
- 1.50 Zone Network Load:** Network Load that is located inside of the area comprised of the PJM Region.

DEFINITIONS FROM PART IV OF THE PJM TARIFF

- 50** **Definitions.** The following definitions shall apply to this Part IV. Capitalized terms used in Part IV, but not defined below, shall have the meanings set forth in Part I of the Tariff.
- 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.
- 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 Applicable Regional Reliability Council.
- 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 or, as the case may be and to the extent applicable, of an Electric Distributor (as defined in Section 1.8 of the Operating Agreement), as published by Transmission Provider in a PJM Manual provided, however, that, with respect to any generation facilities with maximum generating capacity of 2 MW or less for which the Interconnection Customer executes a Construction Service Agreement or Interconnection Service Agreement on or after March 19, 2005, “Applicable Technical Requirements and Standards” shall refer to the

“PJM Small Generator Interconnection Applicable Technical Requirements and Standards.” All Applicable Technical Requirements and Standards shall be publicly available through postings on Transmission Provider’s internet website.

- 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.
- 50.10** “Commencement Date” shall mean the date on which Interconnection Service commences in accordance with Section 51.2 of Subpart E.
- 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.
- 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.
- 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”, as used in Subparts E and F, 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. §§ 791a, et seq.
- 50.23** “FERC” shall mean the Federal Energy Regulatory Commission or its successor.
- 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.]
- 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.
- 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** [Reserved.]
- 50.32** [Reserved.]
- 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.]
- 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.
- 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.
- 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.
- 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.
- 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.
- 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.
- 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 47.7.3 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.
- 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.
- 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.

APPENDIX 2

SUBPART E — TERMS AND CONDITIONS

**From the PJM Tariff accepted for filing by the Commission
as of the effective date of this ISA.**

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.

51.4A Limited Operation. If any of the Transmission Owner Interconnection Facilities are not reasonably expected to be completed prior to the Interconnection Customer's planned date of Initial Operation, and provided that the Interconnected Transmission Owner has accepted the Customer Interconnection Facilities pursuant to Section 83.10 of the Tariff, Transmission Provider shall, upon the request and at the expense of Interconnection Customer, perform appropriate power flow or other operating studies on a timely basis to determine the extent to which the Customer Facility and the Customer Interconnection Facilities may operate prior to the completion of the Transmission Owner Interconnection Facilities consistent with Applicable Laws and Regulations, Applicable Reliability Standards, Good Utility Practice, and the Interconnection Service Agreement. In accordance with the results of such studies and subject to such conditions as Transmission Provider determines to be reasonable and appropriate, Transmission Provider shall (a) permit Interconnection Customer to operate the Customer Facility and the Customer Interconnection Facilities, and (b) grant Interconnection Customer limited, interim Interconnection Rights commensurate with the extent to which operation of the Customer Facility is permitted.

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, South Transmission Owner 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.
- 52.5 Election by Behind The Meter Generation.** In the event that a Generation Interconnection Customer's Customer Facility is Behind The Meter Generation, the Generation Interconnection Customer may elect from time to time, subject to the terms of this section, whether to operate all or a portion of its Customer Facility's generating capacity as a Capacity Resource under the Tariff and the Operating Agreement.

52.5.1 Capacity Resource Election. The Generation Interconnection Customer may elect to operate all or a portion of its Customer Facility as a Capacity Resource only to the extent that the Interconnection Service Agreement grants Capacity Interconnection Rights. Such an election may include all or any portion of the Customer Facility's capacity for which Capacity Interconnection Rights have been granted.

52.5.2 Timing and Duration of Election. The Generation Interconnection Customer shall make an initial election under this section no later than 30 days prior to the commencement of Interconnection Service. Thereafter, the Generation Interconnection Customer may make the election authorized by this Section 52.5 only once in each calendar year and must notify Transmission Provider of such an election no later than May 1, and no sooner than March 15, of each year. Each such election shall be effective commencing on June 1 following Transmission Provider's receipt of notice of the election. An election under this Section 52.5 shall remain in effect unless and until the Generation Interconnection Customer modifies or terminates it in a subsequent election made in accordance with the terms of this section.

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.

54.1.1 Interconnection Customer Drawings. Within one hundred twenty (120) days after the date of Initial Operation, unless the Interconnection Parties agree on another mutually acceptable deadline, the Interconnection Customer shall deliver to the Transmission Provider and the Interconnected Transmission Owner final, “as-built” drawings, information and documents regarding the Customer Interconnection Facilities, including, as and to the extent applicable: a one-line diagram, a site plan showing the Customer Facility and the Customer Interconnection Facilities, plan and elevation drawings showing the layout of the Customer Interconnection Facilities, a relay functional diagram, relaying AC and DC schematic wiring diagrams and relay settings for all facilities associated with the Interconnection Customer’s step-up transformers, the facilities connecting the Customer Facility to the step-up transformers and the Customer Interconnection Facilities, and the impedances (determined by factory tests) for the associated step-up transformers and the Customer Facility. The Interconnection Customer shall provide Transmission Provider and the Interconnected Transmission Owner specifications for the excitation system, automatic voltage regulator, Customer Facility control and protection settings, transformer tap settings, and communications.

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) or for wind-powered generation facilities, 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 or a wind-powered generation facility 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 power factor at the Point of Interconnection of at least 0.95 leading and 0.95 lagging, when the Customer Facility is operating at any level within its approved operating range.

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

during system disturbances within a range of under-frequency and over-frequency conditions, in accordance with Good Utility Practice.

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 premises and operations, personal injury, broad form property damage, broad form blanket contractual liability coverage (including coverage for the contractual indemnification), products and completed operations coverage, coverage for explosion, collapse and underground hazards,

independent contractors coverage, coverage for pollution to the extent normally available and punitive damages to the extent normally available and a cross liability endorsement, with minimum limits of One Million Dollars (\$1,000,000) per occurrence/One Million Dollars (\$1,000,000) aggregate combined single limit for personal injury, bodily injury, including death and property damage.

- C. Comprehensive Automobile Liability Insurance for coverage of owned and non-owned and hired vehicles, trailers or semi-trailers designed for travel on public roads, with a minimum, combined single limit of One Million Dollars (\$1,000,000) per occurrence for bodily injury, including death, 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. 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) Each policy shall contain provisions that specify that it is primary and shall apply to such extent without consideration for other policies separately carried and shall state that each insured is provided coverage as though a separate policy had been issued to each, except the insurer's liability shall not be increased beyond the amount for which the insurer would have been liable had only one insured been covered. Each Insuring Interconnected Entity shall be responsible for its respective deductibles or retentions.

- (b) Each policy, if written on a Claims First Made Basis, shall be maintained in full force and effect for two (2) years after termination of the Interconnection Service Agreement, which coverage may be in the form of tail coverage or extended reporting period coverage if agreed by the Interconnection Parties.
- (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.

63.3A No Limitation of Liability: The requirements contained herein as to the types and limits of all insurance to be maintained by the Interconnected Entities are not intended to and shall not in any manner, limit or qualify the liabilities and obligations assumed by the Interconnection Parties under the Interconnection Service Agreement.

63.4 Self-Insurance. Notwithstanding the foregoing, each Interconnected Entity may self-insure to meet the minimum insurance requirements of this Section 63 to the extent it maintains a self-insurance program, provided that such Interconnected Entity's senior secured debt is rated at investment grade or better by Standard & Poor's and its self-insurance program meets the minimum insurance requirements of this Section 63. For any period of time that an Interconnected Entity's senior secured debt is unrated by Standard & Poor's or is rated at less than investment grade by Standard & Poor's, such Party shall comply with the insurance requirements applicable to it under this Section 63. In the event that an Interconnected Entity is permitted to self-insure pursuant to this section, it shall notify the other Interconnection Parties that it meets the requirements to self-insure and that its self-insurance program meets the minimum insurance requirements in a manner consistent with that specified in Section 63.5.

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.

63.7 Reporting Incidents: The Interconnection Parties shall report to each other in writing as soon as practical all accidents or occurrences resulting in injuries to any person, including death, and any property damage arising out of the Interconnection Service Agreement.

64 Indemnity

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 Owing.** 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 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 existing at law or in equity or by statute or otherwise. The election 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. Information is Confidential Information only if it is clearly designated or marked in writing as confidential on the face of the document, or, if the information is conveyed orally or by inspection, if the Interconnection Party providing the information orally informs the Interconnection Party receiving the information that the information is confidential. If requested by any Interconnection Party, the disclosing Interconnection Party shall provide in writing the basis for asserting that the information referred to in this section warrants confidential treatment, and the requesting Interconnection Party may disclose such writing to an appropriate Governmental Authority. Any Interconnection Party shall be responsible for the costs associated with affording confidential treatment to its information.

67.1 Term. 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.

67.2 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 in the lawful possession of 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 disclosing 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 67.7 of this Subpart, to be disclosed to any Governmental Authority or is otherwise required to be disclosed by law or subpoena, or is necessary in any legal

proceeding establishing rights and obligations under this Subpart or the Interconnection Service Agreement. 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.

- 67.3 Release of Confidential Information.** No Interconnection Party shall disclose Confidential Information to any other person, except to its Affiliates (limited by the Commission's Standards of Conduct requirements), subcontractors, employees, consultants or to parties who may be or considering providing financing to or equity participation in Interconnection Customer or to potential purchasers or assignees of Interconnection Customer, on a need-to-know basis in connection with the Interconnection Service Agreement, unless such person has first been advised of the confidentiality provisions of this Section 67 and has agreed to comply with such provisions. Notwithstanding the foregoing, an Interconnection Party providing Confidential Information to any person shall remain primarily responsible for any release of Confidential Information in contravention of this Section 67.
- 67.4 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.
- 67.5 No Warranties.** By providing Confidential Information, no Interconnection Party makes any warranties or representations as to its accuracy or completeness. In addition, by supplying Confidential Information, no Interconnection Party obligates itself to provide any particular information or Confidential Information to any other Interconnection Party nor to enter into any further agreements or proceed with any other relationship or joint venture.
- 67.6 Standard of Care.** Each Interconnection Party shall use at least the same standard of care to protect Confidential Information it receives as the Interconnection Party uses to protect its own Confidential Information from unauthorized disclosure, publication or dissemination. Each Interconnection Party may use Confidential Information solely to fulfill its obligations to the other Interconnection Parties under this Subpart E of Part IV of the Tariff and the Interconnection Service Agreement or to comply with Applicable Laws and Regulations.
- 67.7 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, administrative order, or otherwise, to disclose Confidential Information, that Interconnection Party shall provide the Interconnection Party that provided the

information with prompt prior notice of such request(s) or requirement(s) so that the providing Interconnection Party may seek an appropriate protective order or waive compliance with the terms of this Subpart or the Interconnection Service Agreement. 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.

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

67.9 Remedies. The Interconnection Parties 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 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 damages, 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.

67.10 Disclosure to FERC or its Staff. Notwithstanding anything in this Section 67 to the contrary, and pursuant to 18 C.F.R. § 1b.20, if FERC or its staff, during the course of an investigation or otherwise, requests information from one of the Interconnection Parties that is otherwise required to be maintained in confidence pursuant to this Subpart E of Part IV of the Tariff or the Interconnection Service Agreement, the Interconnection Party, shall provide the requested information to FERC or its staff, within the time provided for in the request for information. In providing the information to FERC or its staff, the Interconnection Party must, consistent with 18 C.F.R. § 388.122, request that the information be treated as confidential and non-public by FERC and its staff and that the information be withheld from public disclosure. Interconnection Parties are prohibited from notifying the other Interconnection Parties prior to the release of the

Confidential Information to the Commission or its staff. An Interconnection Party shall notify the other Interconnection Parties to the Interconnection Service Agreement when it is notified by FERC or its staff that a request to release Confidential Information has been received by FERC, at which time any of the Interconnection Parties may respond before such information would be made public, pursuant to 18 C.F.R. § 388.112.

67.11 Subject to the exception in Section 67.10, no Interconnection Party shall disclose Confidential Information of another Interconnection Party to any person not employed or retained by the Interconnection Party, except to the extent disclosure is (i) required by law; (ii) reasonably deemed by the disclosing Interconnection Party to be required in connection with a dispute between or among the Interconnection Parties, or the defense of litigation or dispute; (iii) otherwise permitted by consent of the Interconnection Party that provided such Confidential Information, such consent not to be unreasonably withheld; or (iv) necessary to fulfill its obligations under this Subpart or the Interconnection Service Agreement or as a transmission service provider or a Control Area operator including disclosing the Confidential Information to an RTO or ISO or to a regional or national reliability organization. Prior to any disclosures of another Interconnection Party's Confidential Information under this subparagraph, the disclosing Interconnection Party shall promptly notify the other Interconnection Parties in writing and shall assert confidentiality and cooperate with the other Interconnection Parties in seeking to protect the Confidential Information from public disclosure by confidentiality agreement, protective order or other reasonable measures.

67.12 This provision shall not apply to any information that was or is hereafter in the public domain (except as a result of a Breach of this provision).

67.13 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.

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. In the event the Interconnection Service Agreement contains any terms that deviate materially from the form included in Attachment O or from the standard terms and conditions in Subpart E of Part IV, Transmission Provider shall file the Interconnection Service Agreement on behalf of itself and the Interconnected Transmission Owner with FERC as a service schedule under Part IV, Subpart E of the Tariff within thirty days after execution. Interconnection Customer may request that any information so provided be subject to the confidentiality provisions of Section 67. 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).

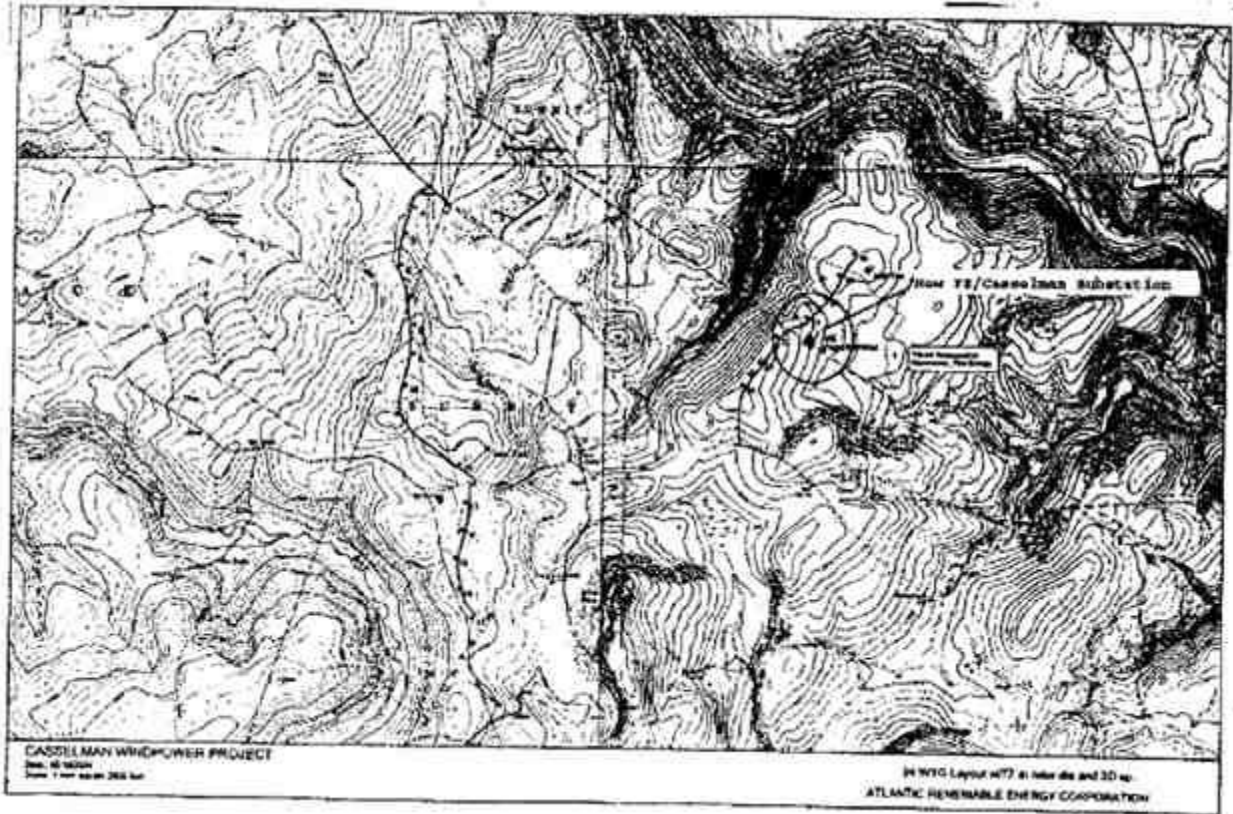
73.1.3 No Conflict. The execution, delivery and performance of the interconnection Service Agreement does not violate or conflict with the organizational or formation documents, or bylaws or operating agreement, of the Interconnected Entity, or with any judgment, license, permit, order, material agreement 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.

74 — 79 [Reserved.]

SCHEDULE A

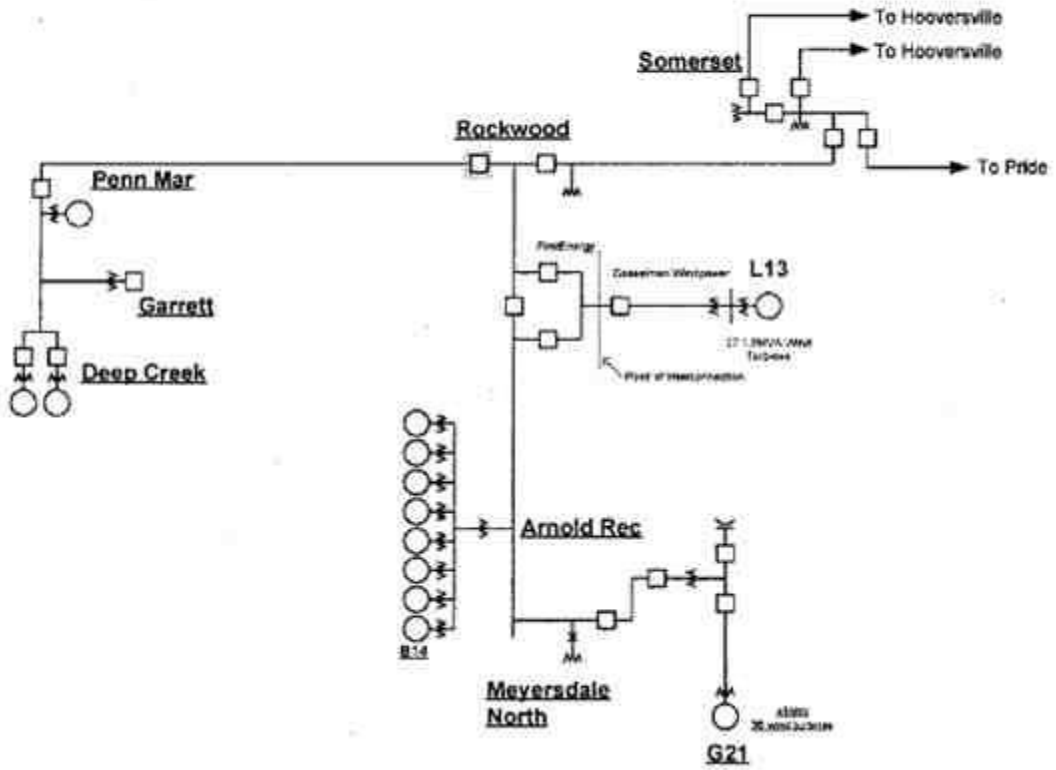
CUSTOMERS FACILITY LOCATIONS/SITE PLAN



SCHEDULE B

SINGLE-LINE DIAGRAM

L13 Rockwood-Arnold (Casselman)



SCHEDULE C

LIST OF FACILITIES

Mid-Atlantic Interstate Transmission, LLC

- Interconnection into the Rockwood-Arnold 115kV line. (Upgrade # n0397)
- Addition of fiber optic terminal equipment at Rockwood 115kV substation. (Upgrade #n0464)
- Addition of fiber optic terminal equipment at Meyersdale North Substation. (Upgrade #n0465)
- Fiber optic line between Rockwood and Meyersdale North. (Upgrade #n0466)

Casselman Windpower, LLC

- A new three breaker, 115kV ring bus interconnection substation (Casselman) (Upgrade # n0396)
- The Casselman Project collector substation that will include a 115kV circuit breaker and 34.5/115kV step-up transformer.
- 115kV connection from the Casselman collector substation to the Casselman interconnection substation.

SCHEDULE D

LIST OF METERING EQUIPMENT

The revenue metering instrument transformers shall be at 115 kV, designed, furnished and installed by the Interconnection Customer in their interconnection substation. Equipment ratings shall be subject to approval by FirstEnergy. FirstEnergy will provide the meter socket for installation by the Interconnection Customer. FirstEnergy will design, furnish, install and own the meter.

FirstEnergy will obtain telecommunication circuits for the SCADA RTU and the telephone in the FirstEnergy Casselman Interconnection Substation. The developer will be responsible for designing, furnishing and installing a SCADA RTU in their interconnection substation and obtaining the telecommunication circuits from the RTU to the FirstEnergy and the PJM system control centers. The developer shall also provide FirstEnergy with dial-up communication to the revenue meter.

The Interconnection Customer is responsible for installing equipment assuring that the following real time data is transmitted to PJM as per Manual 14D

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

The Interconnection Customer is responsible for installing equipment assuring the following non real-time data is transmitted to PJM as per Manual 14D

- 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 E

APPLICABLE TECHNICAL REQUIREMENTS AND STANDARDS

None

SCHEDULE F
SCHEDULE OF CHARGES

None

SCHEDULE G

SCHEDULE OF NON-STANDARD TERMS & CONDITIONS

None

SCHEDULE H

INTERCONNECTION CUSTOMER'S AGREEMENT TO CONFORM WITH IRS SAFE HARBOR PROVISIONS FOR NON-TAXABLE STATUS

As provided in Section 82.4.1 of the Tariff and subject to the requirements thereof, Interconnection Customer represents that it meets all qualifications and requirements as set forth in Section 118(a) and 118(b) of the Internal Revenue Code of 1986, as amended and interpreted by Notice 88-129, 1988-2 C.B. 541, and as amplified and modified in Notices 90-60, 1990-2 C.B. 345, and 2001-82, 2001-2 C.B. 619 (the "IRS Notices"). Interconnection Customer agrees to conform with all requirements of the safe harbor provisions specified in the IRS Notices, as they may be amended, as required to confer non-taxable status on some or all of the transfer of property, including money, by Interconnection Customer to Interconnected Transmission Owner with respect to the payment of the Costs of construction and installation of the Transmission Owner Interconnection Facilities and/or Merchant Network Upgrades specified in this ISA.

Nothing in Interconnection Customer's agreement pursuant to this Schedule H shall change Interconnection Customer's indemnification obligations under Section 82.4.2 of the Tariff.

Attachment C-2

Marked Tariff

Service Agreement No. 1438

(PJM Queue #L13)

INTERCONNECTION SERVICE AGREEMENT

Among

PJM INTERCONNECTION, L.L.C.

And

Casselman Windpower, LLC

And

**Mid-Atlantic Interstate Transmission, LLC ~~Pennsylvania Electric Company, a~~
~~FirstEnergy Company~~**

~~October, 2005~~

~~315002 v2~~

~~December 2005 v3~~

INTERCONNECTION SERVICE AGREEMENT

- 1.0 Parties. This Interconnection Service Agreement (“ISA”), dated as of October 26, 2005, including the Specifications, Schedules and Appendices 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”), Casselman Windpower, LLC (“Interconnection Customer”) and ~~Mid-Atlantic Interstate Transmission, LLC~~Pennsylvania Electric Company, a FirstEnergy Company (“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 Part IV of the Tariff.
- 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 Customer Facility Specifications. Attached are Specifications for the Customer Facility that Interconnection Customer proposes to interconnect with the Transmission System. Interconnection Customer represents and warrants that, upon completion of construction of such facilities, it will own or control the Customer 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 Customer 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) or Section 41.7.3(b) of the Tariff, as applicable, Interconnection Customer, on or before the effective date of this ISA, shall provide the Transmission Provider (for the benefit of the Interconnected Transmission Owner) with a letter of credit from an agreed provider or other form of security reasonably acceptable to the Transmission Provider and that names the Transmission Provider as beneficiary (“Security”) in the amount of \$770,000. This amount represents

the estimated Costs, determined in accordance with Section 37 or Section 42 of the Tariff, of the Local Upgrades and/or Network Upgrades described in Section 3.0 of the attached Specifications, plus the Costs of any Merchant Network Upgrades that Interconnected Transmission Owner is responsible for building pursuant to Subpart F of Part IV of the Tariff and the parties' Construction Service Agreement, plus the estimated cost of the work on the required Attachment Facilities described in Section 3.0 of the Specifications that is scheduled to be completed during the first three months after such work commences, less any Costs already paid by Interconnection Customer. 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 or Section 42 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.

- 6.0 Project Specific Milestones. In addition to the milestones stated in Section 36.8.5 or Section 41.7.4 of the Tariff, as applicable, during the term of this ISA, Interconnection Customer shall ensure that its Customer Facility meets each of the following development milestones:
- 6.1 On or before November 1, 2006, Interconnection Customer must demonstrate completion of at least 20% of project site construction workscope.
 - 6.2 On or before December 1, 2006, Interconnection Customer must demonstrate that the generators have been delivered to Interconnection Customer's project site.
 - 6.3 On or before December 31, 2006. Interconnection Customer must demonstrate commercial operation of the generating units. Commercial operation includes the sale of energy in the PJM market.
 - 6.4 One month after commercial operation, 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.
 - 6.5 On or before July 1, 2006 Interconnection Customer will provide detailed information on the length and configuration of the underground cable installed for the wind farm.
 - 6.6 Within one year from the date of commercial operation of the initial wind turbine, all twenty-seven wind turbines shall be in commercial operation. In the event this milestone is not met, notwithstanding Section 2.1 of the specifications section of this ISA, the Interconnection Customer shall only have Capacity interconnection Rights in an amount equal to twenty percent of the total nameplate capacity of the wind turbines that have achieved commercial operation by the one year anniversary of the commercial operation date of the initial wind turbine.

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. The milestone dates stated in this ISA shall be deemed to be extended coextensively with any suspension of work initiated by Interconnection Customer in accordance with Section 83.4 of the Tariff.

- 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 Region of Interconnection Customer's Customer 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 and transmission in the PJM Region, including but not limited to the rules and procedures concerning the dispatch of generation or scheduling transmission set forth in the Tariff, the Operating Agreement and the PJM Manuals.
- 9.0 Facilities Study. In analyzing and preparing the Generation Interconnection 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 OTHER SUBCONTRACTORS EMPLOYED BY TRANSMISSION PROVIDER 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 Transmission Owner Interconnection Facilities and any Merchant Transmission Upgrades described in the Specifications will be designed and constructed (to the extent that Interconnected Transmission Owner is responsible for design and 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 Transmission Owner 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 Customer 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, as well as Costs of any Merchant Network Upgrades constructed on behalf of Interconnection Customer. 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.
- 10.3. Contract Option. In the event that the Interconnection Customer and Interconnected Transmission Owner agree to utilize the Negotiated Contract Option provided by Section 83.2.2 of Subpart F of Part IV of the Tariff to establish, subject to FERC acceptance, non-standard terms regarding cost responsibility, payment, billing and/or financing, the terms of Sections 10.1 and/or 10.2 of this Section 10.0 shall be superseded to the extent required to conform to such negotiated terms, as stated in a schedule attached to the parties' Construction Service Agreement relating to interconnection of the Customer Facility.
- 10.4 In the event that the Interconnection Customer elects to construct some or all of the Transmission Owner Interconnection Facilities and/or of any Merchant Network Upgrades under the Option to Build of Section 83.2.3 of Subpart F of Part IV of the Tariff, the charges under Section 13.0 below and billing and payment under Section 10.2 above shall relate only to such portion of the Interconnection Facilities and/or any Merchant Network Upgrades as the Interconnected Transmission Owner is responsible for building.

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 Customer Interconnection Facilities and the Transmission Owner Interconnection Facilities are identified on the attached Schedule C to this ISA.

- 11.2A List and Ownership of Merchant Network Upgrades. Merchant Network Upgrades to be constructed and ownership of the components thereof are identified in Section 3.0 of the Specifications attached 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 Customer Facility and the Interconnection Facilities are attached as Schedule E to this ISA.
- 12.0 Operational Requirements.
- 12.1 The Maximum Facility Output of the Customer Facility is 40MW.
- 13.0 Charges. In accordance with Sections 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 with respect to Interconnection Service 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 Subpart E, 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.
~~955 Jefferson Avenue~~
~~Valley Forge Corporate Center~~
~~Norristown~~ 2750 Monroe Blvd.
Audubon, PA 19403-2497

Interconnection Customer:

Casselman Windpower, LLC
C/o ~~PPM Energy, Inc.~~ Avangrid Renewables
1125 NW Couch St., Suite 700
Portland, OR 97209
Attn: ~~Contact Administration~~ Rob Batarags

Interconnected Transmission Owner:

Mid-Atlantic Interstate Transmission, LLC ~~Pennsylvania Electric Company, a~~
~~FirstEnergy Company~~
76 South Main Street
Akron, OH 44308
Attn.: Manager-Transmission Rates & Contracts

- 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.
- 21.0 Addendum of Interconnection Customer's Agreement to Conform with IRS Safe Harbor Provisions for Non-Taxable Status. To the extent required, in accordance with Section 82.4.1 of the Tariff, Schedule H to this ISA shall set forth the Interconnection Customer's agreement to conform with the IRS safe harbor provisions for non-taxable status.

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:

By: /s/ Steven Herling _____ V.P. Planning
01/13/2006
Name Title Date

Interconnection Customer:

By: /s/ Peter C. VanAlderwerelt _____ Senior Vice
President _____ 12/22/2005
Name Title Date

Interconnected Transmission Owner:

By: /s/ David W. Whitehead _____ Corporate Secretary

Name Title Date

**SPECIFICATIONS FOR
INTERCONNECTION SERVICE AGREEMENT**

Between

PJM INTERCONNECTION, L.L.C.

And

Casselman Windpower, LLC

And

**Mid-Atlantic Interstate Transmission, LLC ~~Pennsylvania Electric Company, a
FirstEnergy Company~~**

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

a. Name of Customer Facility:

Casselman

b. Location of Customer Facility:

The western portion of Summit Township, Somerset County, Pennsylvania.

c. Size in megawatts of Customer Facility:

for Generation Interconnection Customer:

Net maximum summer energy output of 40MW

Net maximum winter energy output of 40MW

d. Description of the equipment configuration:

27 GE 1.5 MW wind turbines

2.0 Rights

2.1 Pursuant to the PJM Tariff, the Interconnection Customer shall have Capacity Interconnection Rights at the location specified in Section 1.0b above in the amount of 8.0 MW.

To the extent that generating unit(s) described in section 1.0 are not a Capacity Resource with Capacity Interconnection Rights, such generating unit(s) shall be an Energy Resource. Pursuant to this Interconnection Service Agreement, the generating unit will be permitted to inject 40 MW (nominal) into the system. PJM reserves the right to

limit injections to this quantity in the event reliability would be affected by output greater than such quantity.

3.0 Construction Responsibility

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 Transmission Owner Interconnection Facilities and/or of any Merchant Network Upgrades which constitute or are part of the Customer Facility:

- A new three breaker, 115kV ring bus interconnection substation (Casselman) (Upgrade # n0396)

b. ~~Mid-Atlantic Interstate Transmission, LLC Pennsylvania Electric Company, a FirstEnergy Company~~

- Interconnection into the Rockwood-Arnold 115kV line. (Upgrade # n0397)
- Addition of fiber optic terminal equipment at Rockwood 115kV substation. (Upgrade #n0464)
- Addition of fiber optic terminal equipment at Meyersdale North Substation. (Upgrade #n0465)
- Fiber optic line between Rockwood and Meyersdale North. (Upgrade #n0466)

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 IV of the Tariff, Interconnection Customer shall be subject to the charges detailed below:

4.1 Attachment Facilities Charge: \$0

4.2 Network Upgrades Charge: \$770,000

~~Mid-Atlantic Interstate Transmission, LLC Pennsylvania Electric Company, a FirstEnergy Company~~

4.3 Local Upgrades Charge: \$0

4.4 Other Charges: \$0

4.5 Cost of Merchant Network Upgrades: \$0

4.6 Cost breakdown:

\$ 378,000	Direct Labor
\$ 221,000	Direct Material
\$ 131,000	Indirect Labor
\$ 40,000	Indirect Material
\$ 770,000	Total

4.7 Guaranty amount required: 0

4.8 Guaranty Reduction Schedule: 0

APPENDICES:

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

SCHEDULES:

- **SCHEDULE A - CUSTOMER 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**
- **SCHEDULE H - INTERCONNECTION CUSTOMER'S AGREEMENT TO CONFORM WITH IRS SAFE HARBOR PROVISIONS FOR NON-TAXABLE STATUS**

APPENDIX I
DEFINITIONS

**From the PJM Tariff accepted for filing by the Commission
as of the effective date of this agreement.**

DEFINITIONS FROM PART I OF THE PJM TARIFF

1 Definitions

- 1.0A Affected System:** An electric system other than the Transmission Provider's Transmission System that may be affected by a proposed interconnection.
- 1.0B Affected System Operator:** An entity that operates an Affected System or, if the Affected System is under the operational control of an independent system operator or a regional transmission organization, such independent entity.
- 1.1 Ancillary Services:** Those services that are necessary to support the transmission of capacity and energy from resources to loads while maintaining reliable operation of the Transmission Provider's Transmission System in accordance with Good Utility Practice.
- 1.2 Annual Transmission Costs:** The total annual cost of the Transmission System for purposes of Network Integration Transmission Service shall be the amount specified in Attachment H for each Zone until amended by the applicable Transmission Owner or modified by the Commission.
- 1.2A Applicable Regional Reliability Council:** The reliability council for the region in which a Network Customer, Transmission Customer, Interconnection Customer, or Transmission Owner operates.
- 1.3 Application:** A request by an Eligible Customer for transmission service pursuant to the provisions of the Tariff.
- 1.3A Attachment Facilities:** The facilities necessary to physically connect a Customer Facility to the Transmission System or interconnected distribution facilities.
- 1.3B Behind The Meter Generation:** Behind The Meter Generation refers to one or more generation units that are located with load at a single electrical location such that no transmission or distribution facilities owned or operated by any Transmission Owner or electric distributor are used to deliver energy from the generating units to the load; provided, however, that Behind The Meter Generation does not include (i) at any time, any portion of such generating unit[s]' capacity that is designated as a Capacity Resource; or (ii) in an hour, any portion of the output of the generating unit[s] that is sold to another entity for consumption at another electrical location or into the PJM Interchange Energy Market.
- 1.3BB Black Start Service:** Black Start Service is the capability of generating units to start without an outside electrical supply or the demonstrated ability of a generating unit with a high operating factor (subject to Transmission Provider concurrence) to automatically remain operating at reduced levels when disconnected from the grid.

- 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.
- 1.3D Capacity Resource:** The net capacity from owned or contracted for generating facilities which are accredited pursuant to the procedures set forth in the Reliability Assurance Agreement or the Reliability Assurance Agreement-South.
- 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 PJM Region that satisfies all applicable criteria specified in the PJM Manuals, similar to Capacity Interconnection Rights.
- 1.4 Commission:** The Federal Energy Regulatory Commission.
- 1.5 Completed Application:** An Application that satisfies all of the information and other requirements of the Tariff, including any required deposit.
- 1.6 Control Area:** An electric power system or combination of electric power systems to which a common automatic generation control scheme is applied in order to:
- (1) match, at all times, the power output of the generators within the electric power system(s) and capacity and energy purchased from entities outside the electric power system(s), with the load within the electric power system(s);
 - (2) maintain scheduled interchange with other Control Areas, within the limits of Good Utility Practice;
 - (3) maintain the frequency of the electric power system(s) within reasonable limits in accordance with Good Utility Practice; and
 - (4) provide sufficient generating capacity to maintain operating reserves in accordance with Good Utility Practice.
- 1.6A Control Zone:** Shall have the meaning given in the Operating Agreement.
- 1.7 Curtailment:** A reduction in firm or non-firm transmission service in response to a transmission capacity shortage as a result of system reliability conditions.

- 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.
- 1.7B Daily Capacity Deficiency Rate** is as defined in Schedule 11 of the Reliability Assurance Agreement the West RAA, and the Reliability Assurance Agreement-South.
- 1.7C Deactivation:** The retirement or mothballing of a generating unit governed by Part V of this Tariff.
- 1.7D Deactivation Avoidable Cost Credit:** The credit paid to Generation Owners pursuant to section 114 of this Tariff.
- 1.7E Deactivation Avoidable Cost Rate:** The formula rate established pursuant to section 115 of this Tariff.
- 1.7F Deactivation Date:** The date a generating unit within the PJM Region is either retired or mothballed and ceases to operate.
- 1.8 Delivering Party:** The entity supplying capacity and energy to be transmitted at Point(s) of Receipt.
- 1.9 Designated Agent:** Any entity that performs actions or functions on behalf of the Transmission Provider, a Transmission Owner, an Eligible Customer, or the Transmission Customer required under the Tariff.
- 1.10 Direct Assignment Facilities:** Facilities or portions of facilities that are constructed for the sole use/benefit of a particular Transmission Customer requesting service under the Tariff. Direct Assignment Facilities shall be specified in the Service Agreement that governs service to the Transmission Customer and shall be subject to Commission approval.
- 1.10A East Transmission Owner:** A Transmission Owner that is a party to that certain "Transmission Owners Agreement" dated June 2, 1997, as revised.
- 1.11 Eligible Customer:** (i) Any electric utility (including any Transmission Owner and any power marketer), Federal power marketing agency, or any person generating electric energy for sale for resale is an Eligible Customer under the Tariff. Electric energy sold or produced by such entity may be electric energy produced in the United States, Canada or Mexico. However, with respect to transmission service that the Commission is prohibited from ordering by Section 212(h) of the Federal Power Act, such entity is eligible only if the service is provided pursuant to a state requirement that the Transmission Provider or Transmission Owner offer the unbundled transmission service, or pursuant to a voluntary offer of such service by a Transmission Owner. (ii) Any retail customer taking unbundled transmission service pursuant to a state requirement that the Transmission Provider or a Transmission Owner offer the transmission

service, or pursuant to a voluntary offer of such service by a Transmission Owner, is an Eligible Customer under the Tariff.

- 1.11A Energy Resource:** A generating facility that is not a 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.
- 1.12 Facilities Study:** An engineering study conducted by the Transmission Provider (in coordination with the affected Transmission Owner(s)) to determine the required modifications to the Transmission Provider's Transmission System, including the cost and scheduled completion date for such modifications, that will be required to provide the requested transmission service or to accommodate an Interconnection Request.
- 1.12A [Reserved.]**
- 1.13 Firm Point-To-Point Transmission Service:** Transmission Service under this Tariff that is reserved and/or scheduled between specified Points of Receipt and Delivery pursuant to Part II of this Tariff.
- 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.
- 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 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 Region.

1.13F Generation Owner: An entity that owns or otherwise controls and operates one or more operating generating units in the PJM 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.

1.14A IDR Transfer Agreement: An agreement to transfer, subject to the terms of Section 49B of the Tariff, Incremental Deliverability Rights to a party for the purpose of eliminating or reducing the need for Local or Network Upgrades that would otherwise have been the responsibility of the party receiving such rights.

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.

1.14D.01 Interconnected Transmission Owner: The Transmission Owner to whose transmission facilities the Customer Interconnection Facilities (as defined in section 50.15A) are, or as the case may be, the Customer Facility is, being directly connected. As used in Subpart F of Part IV of the Tariff, 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.

- 1.14E Interconnection Customer:** A Generation Interconnection Customer and/or a Transmission Interconnection Customer.
- 1.14F Interconnection Queue:** All Interconnection Requests that are received within each six-month period ending on January 31 and July 31 of each year shall collectively comprise an Interconnection Queue.
- 1.14G Interconnection Queue Closing Date:** Each January 31 and July 31 shall be the Interconnection Queue Closing Date for the Interconnection Queue comprised of Interconnection Requests received during the six-month period ending on such date.
- 1.14H Interconnection Request:** A Generation Interconnection Request, a Transmission Interconnection Request and/or an IDR Transfer Agreement.
- 1.14I Interconnection Service Agreement:** An agreement among the Transmission Provider, an Interconnection Customer and an Interconnected Transmission Owner regarding interconnection under Part IV of the Tariff.
- 1.14J Interconnection Studies:** The Generation Interconnection Feasibility Study, the Transmission Interconnection Feasibility Study, the System Impact Study, and the Facilities Study described in Part IV of the Tariff.
- 1.15 Interruption:** A reduction in non-firm transmission service due to economic reasons pursuant to Section 14.7.
- 1.16 Load Ratio Share:** Ratio of a Transmission Customer's Network Load to the Transmission Provider's total load.
- 1.17 Load Shedding:** The systematic reduction of system demand by temporarily decreasing load in response to transmission system or area capacity shortages, system instability, or voltage control considerations under Part II or Part III of the Tariff.
- 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.
- 1.18 Long-Term Firm Point-To-Point Transmission Service:** Firm Point-To-Point Transmission Service under Part II of the Tariff with a term of one year or more.

- 1.18A MAAC:** The Mid-Atlantic Area Council, a reliability council under section 202 of the Federal Power Act, established pursuant to the MAAC Agreement dated 1 August 1994, or any successor thereto.
- 1.18A.01 MAAC Control Zone:** The aggregate of the zones of Atlantic City Electric Company, Baltimore Gas and Electric Company, Delmarva Power and Light Company, Jersey Central Power and Light Company, Metropolitan Edison Company, PECO Energy Company, Pennsylvania Electric Company, Pennsylvania Power & Light Group, Potomac Electric Power Company, Public Service Electric and Gas Company and Rockland Electric Company.
- 1.18A1 Material Modification:** Any modification to an Interconnection Request that has a material adverse effect on the cost or timing of Interconnection Studies related to, or any Network Upgrades or Local Upgrades needed to accommodate, any Interconnection Request with a later Queue Position.
- 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 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.
- 1.18F Merchant Transmission Provider:** An Interconnection Customer that (1) owns, controls, or controls the rights to use the transmission capability of, Merchant D.C. Transmission Facilities that connect the Transmission System with another control area, (2) has elected to receive Transmission Injection Rights and Transmission Withdrawal Rights associated with such facility

pursuant to Section 41 of the Tariff, and (3) makes (or will make) the transmission capability of such facilities available for use by third parties under terms and conditions approved by the Commission and stated in the Tariff, consistent with Section 44B below.

- 1.19 Native Load Customers:** The wholesale and retail power customers of a Transmission Owner on whose behalf the Transmission Owner, by statute, franchise, regulatory requirement, or contract, has undertaken an obligation to construct and operate the Transmission Owner's system to meet the reliable electric needs of such customers.
- 1.19A NERC:** The North American Electric Reliability Council or any successor thereto.
- 1.20 Network Customer:** An entity receiving transmission service pursuant to the terms of the Transmission Provider's Network Integration Transmission Service under Part III of the Tariff.
- 1.21 Network Integration Transmission Service:** The transmission service provided under Part III of the Tariff.
- 1.22 Network Load:** The load that a Network Customer designates for Network Integration Transmission Service under Part III of the Tariff. The Network Customer's Network Load shall include all load served by the output of any Network Resources designated by the Network Customer. A Network Customer may elect to designate less than its total load as Network Load but may not designate only part of the load at a discrete Point of Delivery. Where an Eligible Customer has elected not to designate a particular load at discrete points of delivery as Network Load, the Eligible Customer is responsible for making separate arrangements under Part II of the Tariff for any Point-To-Point Transmission Service that may be necessary for such non-designated load.
- 1.23 Network Operating Agreement:** An executed agreement that contains the terms and conditions under which the Network Customer shall operate its facilities and the technical and operational matters associated with the implementation of Network Integration Transmission Service under Part III of the Tariff.
- 1.24 Network Operating Committee:** A group made up of representatives from the Network Customer(s) and the Transmission Provider established to coordinate operating criteria and other technical considerations required for implementation of Network Integration Transmission Service under Part III of this Tariff.
- 1.25 Network Resource:** Any designated generating resource owned, purchased, or leased by a Network Customer under the Network Integration Transmission Service Tariff. Network Resources do not include any resource, or any portion thereof, that is committed for sale to third parties or otherwise cannot be called

upon to meet the Network Customer's Network Load on a non-interruptible basis.

- 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.
- 1.26A New PJM Zone(s):** The Zone included in this Tariff, along with applicable Schedules and Attachments, for Commonwealth Edison Company, The Dayton Power and Light Company and the AEP East Operating Companies (Appalachian Power Company, Columbus Southern Power Company, Indiana Michigan Power Company, Kentucky Power Company, Kingsport Power Company, Ohio Power Company and Wheeling Power Company).
- 1.27 Non-Firm Point-To-Point Transmission Service:** Point-To-Point Transmission Service under the Tariff that is reserved and scheduled on an as-available basis and is subject to Curtailment or Interruption as set forth in Section 14.7 under Part II of this Tariff. Non-Firm Point-To-Point Transmission Service is available on a stand-alone basis for periods ranging from one hour to one month.
- 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.
- 1.27B Non-Zone Network Load:** Network Load that is located outside of the PJM Region.
- 1.27C Office of the Interconnection:** The Office of the Interconnection, as supervised by the Board of Managers of the PJM Interconnection, L.L.C, acting pursuant to the Operating Agreement.
- 1.28 Open Access Same-Time Information System (OASIS):** The information system and standards of conduct contained in Part 37 of the Commission's regulations and all additional requirements implemented by subsequent Commission orders dealing with OASIS.
- 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.

- 1.28B Optional Interconnection Study:** A sensitivity analysis of an Interconnection Request based on assumptions specified by the Interconnection Customer in the Optional Interconnection Study Agreement.
- 1.28C Optional Interconnection Study Agreement:** The form of agreement for preparation of an Optional Interconnection Study, as set forth in Attachment N-3 of the Tariff.
- 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 Part V:** Tariff sections 113 through 121 pertaining to the deactivation of generating units in conjunction with the applicable Common Service Provisions of Part I and appropriate Schedules and Attachments.
- 1.32 Parties:** The Transmission Provider and the Transmission Customer receiving service under the Tariff.
- 1.32A PJM Administrative Service:** The services provided by PJM pursuant to Schedule 9 of this Tariff.
- 1.32B PJM Control Area:** The Control Area that is recognized by NERC as the PJM Control Area.
- 1.32C PJM Interchange Energy Market:** The regional competitive market administered by the Transmission Provider for the purchase and sale of spot electric energy at wholesale interstate commerce and related services, as more fully set forth in Attachment K - Appendix to the Tariff and Schedule 1 to the Operating Agreement.
- 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.

- 1.32E PJM Region:** Shall mean the aggregate of the PJM West Region, the VACAR Control Zone, and the MAAC Control Zone.
- 1.32F PJM South Region:** The VACAR Control Zone.
- 1.32G PJM West Region:** The aggregate of the Zones of the West Transmission Owners. Effective May 1, 2004, the PJM West Region shall include the Zone of Commonwealth Edison Company (including Commonwealth Edison Co. of Indiana). Effective October 1, 2004, the PJM West Region shall include the Zones of AEP East Operating Companies and The Dayton Power and Light Company. Effective January 1, 2005, the PJM West Region shall include the Zone of Duquesne Light Company.
- 1.33 Point(s) of Delivery:** Point(s) on the Transmission Provider's Transmission System where capacity and energy transmitted by the Transmission Provider will be made available to the Receiving Party under Part II of the Tariff. The Point(s) of Delivery shall be specified in the Service Agreement for Long-Term Firm Point-To-Point Transmission Service.
- 1.34 Point(s) of Receipt:** Point(s) of interconnection on the Transmission Provider's Transmission System where capacity and energy will be made available to the Transmission Provider by the Delivering Party under Part II of the Tariff. The Point(s) of Receipt shall be specified in the Service Agreement for Long-Term Firm Point-To-Point Transmission Service.
- 1.35 Point-To-Point Transmission Service:** The reservation and transmission of capacity and energy on either a firm or non-firm basis from the Point(s) of Receipt to the Point(s) of Delivery under Part II of the Tariff.
- 1.36 Power Purchaser:** The entity that is purchasing the capacity and energy to be transmitted under the Tariff.
- 1.36A Pre-Expansion PJM Zones:** Zones included in this Tariff, along with applicable Schedules and Attachments, for certain Transmission Owners — Atlantic City Electric Company, Baltimore Gas and Electric Company, Delmarva Power and Light Company, Jersey Central Power and Light Company, Metropolitan Edison Company, PECO Energy Company, Pennsylvania Electric Company, Pennsylvania Power & Light Group, Potomac Electric Power Company, Public Service Electric and Gas Company, Allegheny Power, and Rockland Electric Company.
- 1.36B Queue Position:** The priority assigned to an Interconnection Request pursuant to Section 36.10, Section 41.8, or Section 49B.6.
- 1.37 Receiving Party:** The entity receiving the capacity and energy transmitted by the Transmission Provider to Point(s) of Delivery.

- 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.
- 1.38 Regional Transmission Group (RTG):** A voluntary organization of transmission owners, transmission users and other entities approved by the Commission to efficiently coordinate transmission planning (and expansion), operation and use on a regional (and interregional) basis.
- 1.38.01 Regulation Zone:** Any of those one or more geographic areas, each consisting of a combination of one or more Control Zone(s) as designated by the Office of the Interconnection in the PJM Manuals, relevant to provision of, and requirements for, regulation service.
- 1.38A Reliability Assurance Agreement:** The Reliability Assurance Agreement Among Load Serving Entities in the MAAC Control Zone, dated as of June 2, 1997, and as amended from time to time thereafter.
- 1.38B Reliability Assurance Agreement-South:** The PJM South Reliability Assurance Agreement Among Load-Serving Entities in the PJM South Region, as amended from time to time, establishing obligations, standards and procedures for maintaining the reliable operation of the VACAR Control Zone.
- 1.38C Required Transmission Enhancements:** Enhancements and expansions of the Transmission System that (1) a Regional Transmission Expansion Plan developed pursuant to Schedule 6 of the Operating Agreement or (2) the Coordinated System Plan periodically developed pursuant to the Joint Operating Agreement Between the Midwest Independent Transmission System Operator, Inc. and PJM Interconnection, L.L.C. designates one or more of the Transmission Owner(s) or the transmission owners within the Midwest Independent System Operator to construct and own or finance.
- 1.39 Reserved Capacity:** The maximum amount of capacity and energy that the Transmission Provider agrees to transmit for the Transmission Customer over the Transmission Provider's Transmission System between the Point(s) of Receipt and the Point(s) of Delivery under Part II of the Tariff. Reserved Capacity shall be expressed in terms of whole megawatts on a sixty (60) minute interval (commencing on the clock hour) basis.
- 1.40 Service Agreement:** The initial agreement and any amendments or supplements thereto entered into by the Transmission Customer and the Transmission Provider for service under the Tariff.
- 1.41 Service Commencement Date:** The date the Transmission Provider begins to provide service pursuant to the terms of an executed Service Agreement, or the date the Transmission Provider begins to provide service in accordance with Section 15.3 or Section 29.1 under the Tariff.

- 1.42 Short-Term Firm Point-To-Point Transmission Service:** Firm Point-To-Point Transmission Service under Part II of the Tariff with a term of less than one year.
- 1.42A South Transmission Owner:** A Transmission Owner that has executed the South Transmission Owner Agreement.
- 1.42B South Transmission Owner Agreement:** That certain “South Transmission Owner Agreement,” as it may be amended hereafter.
- 1.42C Spinning Reserve Zone:** The MAAC Control Zone or any of those geographic areas consisting of a combination of one or more of the Control Zone(s) in the PJM West Region as designated by the Office of the Interconnection in the PJM Manuals, relevant to provision of, and requirements for, spinning reserve service.
- 1.42D State:** The term “state” shall mean a state of the United States or the District of Columbia.
- 1.43 System Impact Study:** An assessment by the Transmission Provider of (i) the adequacy of the Transmission System to accommodate a request for Firm Point-To-Point Transmission Service, a request for Network Integration Transmission Service, or an Interconnection Request, (ii) whether any additional costs may be incurred in order to provide such transmission service or to accommodate an Interconnection Request, and (iii) with respect to an Interconnection Request, an estimated date that an Interconnection Customer’s Customer Facility can be interconnected with the Transmission System and an estimate of the Interconnection Customer’s cost responsibility for the interconnection.
- 1.43A Tariff:** This document, the “PJM Open Access Transmission Tariff.”
- 1.44 Third-Party Sale:** Any sale for resale in interstate commerce to a Power Purchaser that is not designated as part of Network Load under the Network Integration Transmission Service but not including a sale of energy through the PJM Interchange Energy Market established under the PJM Operating Agreement.
- 1.45 Transmission Customer:** Any Eligible Customer (or its Designated Agent) that (i) executes a Service Agreement, or (ii) requests in writing that the Transmission Provider file with the Commission, a proposed unexecuted Service Agreement to receive transmission service under Part II of the Tariff. This term is used in the Part I Common Service Provisions to include customers receiving transmission service under Part II and Part III of this Tariff.
- 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 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 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.
- 1.45G Transmission Owners' Agreement:** That agreement dated as of June 1, 1997, as revised, among transmission owners in the MAAC Control Zone.
- 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, South Transmission Owners Agreement or West Transmission Owners Agreement, to construct, own, and finance the needed facilities or enhancements or modifications to facilities.

- 1.47 Transmission Provider's Monthly Transmission System Peak:** The maximum firm usage of the Transmission Provider's Transmission System in a calendar month.
- 1.48 Transmission Service:** Point-To-Point Transmission Service provided under Part II of the Tariff on a firm and non-firm basis.
- 1.49 Transmission System:** The facilities controlled or operated by the Transmission Provider within the PJM 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.
- 1.49B VACAR:** The group of five companies, consisting of Duke Energy, Carolina Power and Light, South Carolina Public Service Authority, South Carolina Electric and Gas, and Virginia Electric and Power Company.
- 1.49C VACAR Control Zone:** The Transmission Facilities of Virginia Electric and Power Company.
- 1.49D West RAA:** PJM West Reliability Assurance Agreement Among Load Serving Entities In The PJM West Region dated as of March 14, 2001, and as amended from time to time thereafter.
- 1.49E West Transmission Owner:** A Transmission Owner that has executed the PJM West Transmission Owners Agreement, dated as of March 13, 2001, and as amended from time to time thereafter.
- 1.49F West Transmission Owners Agreement:** That agreement dated as of March 13, 2001, as revised, among transmission owners in the PJM West Region.
- 1.49G Wholesale Transaction:** As used in Part IV, means any transaction involving the transmission or sale for resale of electricity in interstate commerce that utilizes any portion of the Transmission System.
- 1.49H Zone:** An area within the PJM Region, as set forth in Attachment J.
- 1.50 Zone Network Load:** Network Load that is located inside of the area comprised of the PJM Region.

DEFINITIONS FROM PART IV OF THE PJM TARIFF

- 50** **Definitions.** The following definitions shall apply to this Part IV. Capitalized terms used in Part IV, but not defined below, shall have the meanings set forth in Part I of the Tariff.
- 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.
- 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 Applicable Regional Reliability Council.
- 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 or, as the case may be and to the extent applicable, of an Electric Distributor (as defined in Section 1.8 of the Operating Agreement), as published by Transmission Provider in a PJM Manual provided, however, that, with respect to any generation facilities with maximum generating capacity of 2 MW or less for which the Interconnection Customer executes a Construction Service Agreement or Interconnection Service Agreement on or after March 19, 2005, “Applicable Technical Requirements and Standards” shall refer to the

“PJM Small Generator Interconnection Applicable Technical Requirements and Standards.” All Applicable Technical Requirements and Standards shall be publicly available through postings on Transmission Provider’s internet website.

- 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.
- 50.10** “Commencement Date” shall mean the date on which Interconnection Service commences in accordance with Section 51.2 of Subpart E.
- 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.
- 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.
- 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”, as used in Subparts E and F, 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. §§ 791a, et seq.
- 50.23** “FERC” shall mean the Federal Energy Regulatory Commission or its successor.
- 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.]
- 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.
- 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** [Reserved.]
- 50.32** [Reserved.]
- 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.]
- 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.
- 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.
- 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.
- 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.
- 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.
- 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.
- 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 47.7.3 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.
- 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.
- 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.

APPENDIX 2

SUBPART E — TERMS AND CONDITIONS

**From the PJM Tariff accepted for filing by the Commission
as of the effective date of this ISA.**

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.

51.4A Limited Operation. If any of the Transmission Owner Interconnection Facilities are not reasonably expected to be completed prior to the Interconnection Customer's planned date of Initial Operation, and provided that the Interconnected Transmission Owner has accepted the Customer Interconnection Facilities pursuant to Section 83.10 of the Tariff, Transmission Provider shall, upon the request and at the expense of Interconnection Customer, perform appropriate power flow or other operating studies on a timely basis to determine the extent to which the Customer Facility and the Customer Interconnection Facilities may operate prior to the completion of the Transmission Owner Interconnection Facilities consistent with Applicable Laws and Regulations, Applicable Reliability Standards, Good Utility Practice, and the Interconnection Service Agreement. In accordance with the results of such studies and subject to such conditions as Transmission Provider determines to be reasonable and appropriate, Transmission Provider shall (a) permit Interconnection Customer to operate the Customer Facility and the Customer Interconnection Facilities, and (b) grant Interconnection Customer limited, interim Interconnection Rights commensurate with the extent to which operation of the Customer Facility is permitted.

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, South Transmission Owner 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.
- 52.5 Election by Behind The Meter Generation.** In the event that a Generation Interconnection Customer's Customer Facility is Behind The Meter Generation, the Generation Interconnection Customer may elect from time to time, subject to the terms of this section, whether to operate all or a portion of its Customer Facility's generating capacity as a Capacity Resource under the Tariff and the Operating Agreement.

52.5.1 Capacity Resource Election. The Generation Interconnection Customer may elect to operate all or a portion of its Customer Facility as a Capacity Resource only to the extent that the Interconnection Service Agreement grants Capacity Interconnection Rights. Such an election may include all or any portion of the Customer Facility's capacity for which Capacity Interconnection Rights have been granted.

52.5.2 Timing and Duration of Election. The Generation Interconnection Customer shall make an initial election under this section no later than 30 days prior to the commencement of Interconnection Service. Thereafter, the Generation Interconnection Customer may make the election authorized by this Section 52.5 only once in each calendar year and must notify Transmission Provider of such an election no later than May 1, and no sooner than March 15, of each year. Each such election shall be effective commencing on June 1 following Transmission Provider's receipt of notice of the election. An election under this Section 52.5 shall remain in effect unless and until the Generation Interconnection Customer modifies or terminates it in a subsequent election made in accordance with the terms of this section.

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.

54.1.1 Interconnection Customer Drawings. Within one hundred twenty (120) days after the date of Initial Operation, unless the Interconnection Parties agree on another mutually acceptable deadline, the Interconnection Customer shall deliver to the Transmission Provider and the Interconnected Transmission Owner final, “as-built” drawings, information and documents regarding the Customer Interconnection Facilities, including, as and to the extent applicable: a one-line diagram, a site plan showing the Customer Facility and the Customer Interconnection Facilities, plan and elevation drawings showing the layout of the Customer Interconnection Facilities, a relay functional diagram, relaying AC and DC schematic wiring diagrams and relay settings for all facilities associated with the Interconnection Customer’s step-up transformers, the facilities connecting the Customer Facility to the step-up transformers and the Customer Interconnection Facilities, and the impedances (determined by factory tests) for the associated step-up transformers and the Customer Facility. The Interconnection Customer shall provide Transmission Provider and the Interconnected Transmission Owner specifications for the excitation system, automatic voltage regulator, Customer Facility control and protection settings, transformer tap settings, and communications.

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) or for wind-powered generation facilities, 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 or a wind-powered generation facility 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 power factor at the Point of Interconnection of at least 0.95 leading and 0.95 lagging, when the Customer Facility is operating at any level within its approved operating range.

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

during system disturbances within a range of under-frequency and over-frequency conditions, in accordance with Good Utility Practice.

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 premises and operations, personal injury, broad form property damage, broad form blanket contractual liability coverage (including coverage for the contractual indemnification), products and completed operations coverage, coverage for explosion, collapse and underground hazards,

independent contractors coverage, coverage for pollution to the extent normally available and punitive damages to the extent normally available and a cross liability endorsement, with minimum limits of One Million Dollars (\$1,000,000) per occurrence/One Million Dollars (\$1,000,000) aggregate combined single limit for personal injury, bodily injury, including death and property damage.

- C. Comprehensive Automobile Liability Insurance for coverage of owned and non-owned and hired vehicles, trailers or semi-trailers designed for travel on public roads, with a minimum, combined single limit of One Million Dollars (\$1,000,000) per occurrence for bodily injury, including death, 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. 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) Each policy shall contain provisions that specify that it is primary and shall apply to such extent without consideration for other policies separately carried and shall state that each insured is provided coverage as though a separate policy had been issued to each, except the insurer's liability shall not be increased beyond the amount for which the insurer would have been liable had only one insured been covered. Each Insuring Interconnected Entity shall be responsible for its respective deductibles or retentions.

- (b) Each policy, if written on a Claims First Made Basis, shall be maintained in full force and effect for two (2) years after termination of the Interconnection Service Agreement, which coverage may be in the form of tail coverage or extended reporting period coverage if agreed by the Interconnection Parties.
- (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.

63.3A No Limitation of Liability: The requirements contained herein as to the types and limits of all insurance to be maintained by the Interconnected Entities are not intended to and shall not in any manner, limit or qualify the liabilities and obligations assumed by the Interconnection Parties under the Interconnection Service Agreement.

63.4 Self-Insurance. Notwithstanding the foregoing, each Interconnected Entity may self-insure to meet the minimum insurance requirements of this Section 63 to the extent it maintains a self-insurance program, provided that such Interconnected Entity's senior secured debt is rated at investment grade or better by Standard & Poor's and its self-insurance program meets the minimum insurance requirements of this Section 63. For any period of time that an Interconnected Entity's senior secured debt is unrated by Standard & Poor's or is rated at less than investment grade by Standard & Poor's, such Party shall comply with the insurance requirements applicable to it under this Section 63. In the event that an Interconnected Entity is permitted to self-insure pursuant to this section, it shall notify the other Interconnection Parties that it meets the requirements to self-insure and that its self-insurance program meets the minimum insurance requirements in a manner consistent with that specified in Section 63.5.

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.

63.7 Reporting Incidents: The Interconnection Parties shall report to each other in writing as soon as practical all accidents or occurrences resulting in injuries to any person, including death, and any property damage arising out of the Interconnection Service Agreement.

64 Indemnity

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 Owing.** 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 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 existing at law or in equity or by statute or otherwise. The election 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. Information is Confidential Information only if it is clearly designated or marked in writing as confidential on the face of the document, or, if the information is conveyed orally or by inspection, if the Interconnection Party providing the information orally informs the Interconnection Party receiving the information that the information is confidential. If requested by any Interconnection Party, the disclosing Interconnection Party shall provide in writing the basis for asserting that the information referred to in this section warrants confidential treatment, and the requesting Interconnection Party may disclose such writing to an appropriate Governmental Authority. Any Interconnection Party shall be responsible for the costs associated with affording confidential treatment to its information.

67.1 Term. 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.

67.2 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 in the lawful possession of 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 disclosing 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 67.7 of this Subpart, to be disclosed to any Governmental Authority or is otherwise required to be disclosed by law or subpoena, or is necessary in any legal

proceeding establishing rights and obligations under this Subpart or the Interconnection Service Agreement. 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.

- 67.3 Release of Confidential Information.** No Interconnection Party shall disclose Confidential Information to any other person, except to its Affiliates (limited by the Commission's Standards of Conduct requirements), subcontractors, employees, consultants or to parties who may be or considering providing financing to or equity participation in Interconnection Customer or to potential purchasers or assignees of Interconnection Customer, on a need-to-know basis in connection with the Interconnection Service Agreement, unless such person has first been advised of the confidentiality provisions of this Section 67 and has agreed to comply with such provisions. Notwithstanding the foregoing, an Interconnection Party providing Confidential Information to any person shall remain primarily responsible for any release of Confidential Information in contravention of this Section 67.
- 67.4 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.
- 67.5 No Warranties.** By providing Confidential Information, no Interconnection Party makes any warranties or representations as to its accuracy or completeness. In addition, by supplying Confidential Information, no Interconnection Party obligates itself to provide any particular information or Confidential Information to any other Interconnection Party nor to enter into any further agreements or proceed with any other relationship or joint venture.
- 67.6 Standard of Care.** Each Interconnection Party shall use at least the same standard of care to protect Confidential Information it receives as the Interconnection Party uses to protect its own Confidential Information from unauthorized disclosure, publication or dissemination. Each Interconnection Party may use Confidential Information solely to fulfill its obligations to the other Interconnection Parties under this Subpart E of Part IV of the Tariff and the Interconnection Service Agreement or to comply with Applicable Laws and Regulations.
- 67.7 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, administrative order, or otherwise, to disclose Confidential Information, that Interconnection Party shall provide the Interconnection Party that provided the

information with prompt prior notice of such request(s) or requirement(s) so that the providing Interconnection Party may seek an appropriate protective order or waive compliance with the terms of this Subpart or the Interconnection Service Agreement. 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.

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

67.9 Remedies. The Interconnection Parties 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 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 damages, 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.

67.10 Disclosure to FERC or its Staff. Notwithstanding anything in this Section 67 to the contrary, and pursuant to 18 C.F.R. § 1b.20, if FERC or its staff, during the course of an investigation or otherwise, requests information from one of the Interconnection Parties that is otherwise required to be maintained in confidence pursuant to this Subpart E of Part IV of the Tariff or the Interconnection Service Agreement, the Interconnection Party, shall provide the requested information to FERC or its staff, within the time provided for in the request for information. In providing the information to FERC or its staff, the Interconnection Party must, consistent with 18 C.F.R. § 388.122, request that the information be treated as confidential and non-public by FERC and its staff and that the information be withheld from public disclosure. Interconnection Parties are prohibited from notifying the other Interconnection Parties prior to the release of the

Confidential Information to the Commission or its staff. An Interconnection Party shall notify the other Interconnection Parties to the Interconnection Service Agreement when it is notified by FERC or its staff that a request to release Confidential Information has been received by FERC, at which time any of the Interconnection Parties may respond before such information would be made public, pursuant to 18 C.F.R. § 388.112.

67.11 Subject to the exception in Section 67.10, no Interconnection Party shall disclose Confidential Information of another Interconnection Party to any person not employed or retained by the Interconnection Party, except to the extent disclosure is (i) required by law; (ii) reasonably deemed by the disclosing Interconnection Party to be required in connection with a dispute between or among the Interconnection Parties, or the defense of litigation or dispute; (iii) otherwise permitted by consent of the Interconnection Party that provided such Confidential Information, such consent not to be unreasonably withheld; or (iv) necessary to fulfill its obligations under this Subpart or the Interconnection Service Agreement or as a transmission service provider or a Control Area operator including disclosing the Confidential Information to an RTO or ISO or to a regional or national reliability organization. Prior to any disclosures of another Interconnection Party's Confidential Information under this subparagraph, the disclosing Interconnection Party shall promptly notify the other Interconnection Parties in writing and shall assert confidentiality and cooperate with the other Interconnection Parties in seeking to protect the Confidential Information from public disclosure by confidentiality agreement, protective order or other reasonable measures.

67.12 This provision shall not apply to any information that was or is hereafter in the public domain (except as a result of a Breach of this provision).

67.13 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.

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. In the event the Interconnection Service Agreement contains any terms that deviate materially from the form included in Attachment O or from the standard terms and conditions in Subpart E of Part IV, Transmission Provider shall file the Interconnection Service Agreement on behalf of itself and the Interconnected Transmission Owner with FERC as a service schedule under Part IV, Subpart E of the Tariff within thirty days after execution. Interconnection Customer may request that any information so provided be subject to the confidentiality provisions of Section 67. 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.

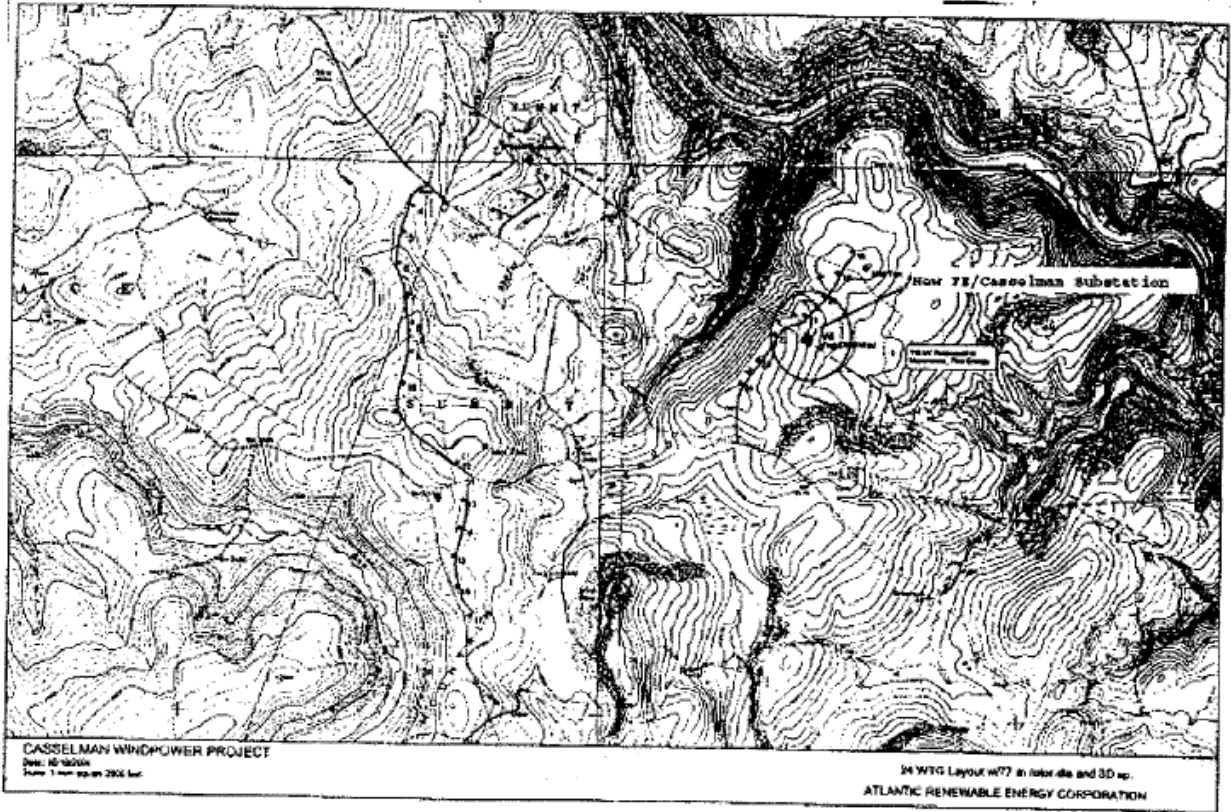
73.1.2 Authority. Such Interconnected Entity has the right, power and authority to enter into the Interconnection Service Agreement, to become a party hereto and to perform its obligations hereunder. The Interconnection Service Agreement is a legal, valid and binding obligation of such Interconnected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

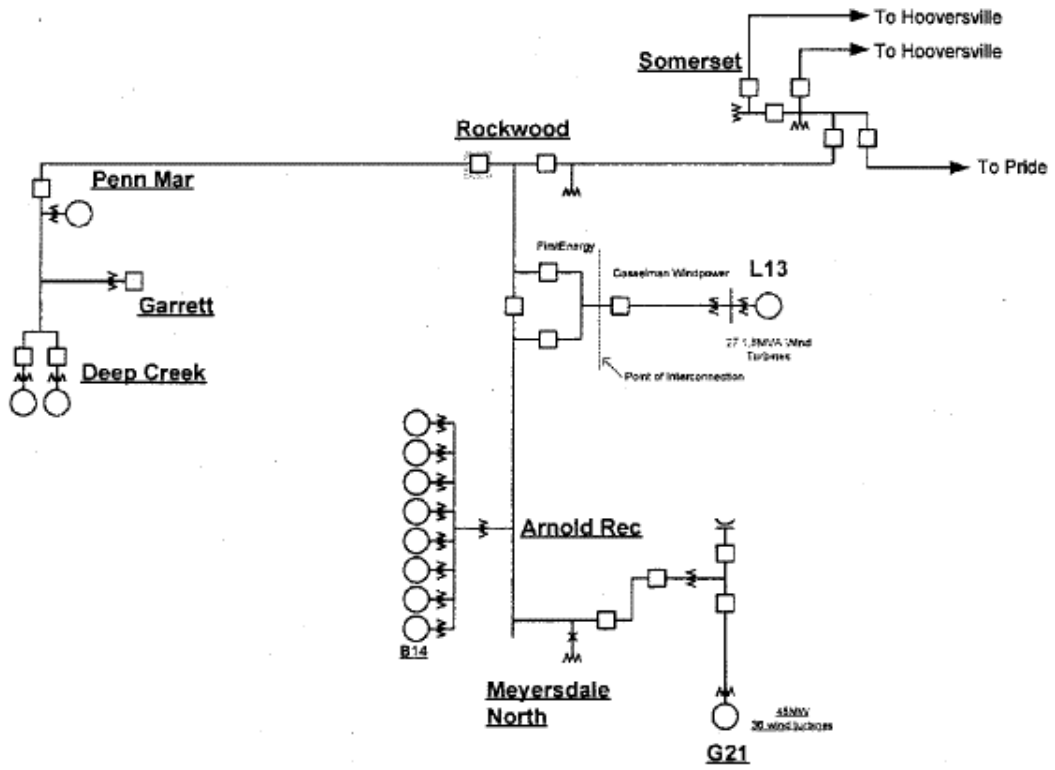
CUSTOMERS FACILITY LOCATIONS/SITE PLAN



SCHEDULE B

SINGLE-LINE DIAGRAM

L13 Rockwood-Arnold (Casselman)



SCHEDULE C

LIST OF FACILITIES

~~Mid-Atlantic Interstate Transmission, LLC Pennsylvania Electric Company, a FirstEnergy Company~~

- Interconnection into the Rockwood-Arnold 115kV line. (Upgrade # n0397)
- Addition of fiber optic terminal equipment at Rockwood 115kV substation. (Upgrade #n0464)
- Addition of fiber optic terminal equipment at Meyersdale North Substation. (Upgrade #n0465)
- Fiber optic line between Rockwood and Meyersdale North. (Upgrade #n0466)

Casselman Windpower, LLC

- A new three breaker, 115kV ring bus interconnection substation (Casselman) (Upgrade # n0396)
- The Casselman Project collector substation that will include a 115kV circuit breaker and 34.5/115kV step-up transformer.
- 115kV connection from the Casselman collector substation to the Casselman interconnection substation.

SCHEDULE D

LIST OF METERING EQUIPMENT

The revenue metering instrument transformers shall be at 115 kV, designed, furnished and installed by the Interconnection Customer in their interconnection substation. Equipment ratings shall be subject to approval by FirstEnergy. FirstEnergy will provide the meter socket for installation by the Interconnection Customer. FirstEnergy will design, furnish, install and own the meter.

FirstEnergy will obtain telecommunication circuits for the SCADA RTU and the telephone in the FirstEnergy Casselman Interconnection Substation. The developer will be responsible for designing, furnishing and installing a SCADA RTU in their interconnection substation and obtaining the telecommunication circuits from the RTU to the FirstEnergy and the PJM system control centers. The developer shall also provide FirstEnergy with dial-up communication to the revenue meter.

The Interconnection Customer is responsible for installing equipment assuring that the following real time data is transmitted to PJM as per Manual 14D

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

The Interconnection Customer is responsible for installing equipment assuring the following non real-time data is transmitted to PJM as per Manual 14D

- 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 E

APPLICABLE TECHNICAL REQUIREMENTS AND STANDARDS

None

SCHEDULE F
SCHEDULE OF CHARGES

None

SCHEDULE G

SCHEDULE OF NON-STANDARD TERMS & CONDITIONS

None

SCHEDULE H

INTERCONNECTION CUSTOMER'S AGREEMENT TO CONFORM WITH IRS SAFE HARBOR PROVISIONS FOR NON-TAXABLE STATUS

As provided in Section 82.4.1 of the Tariff and subject to the requirements thereof, Interconnection Customer represents that it meets all qualifications and requirements as set forth in Section 118(a) and 118(b) of the Internal Revenue Code of 1986, as amended and interpreted by Notice 88-129, 1988-2 C.B. 541, and as amplified and modified in Notices 90-60, 1990-2 C.B. 345, and 2001-82, 2001-2 C.B. 619 (the "IRS Notices"). Interconnection Customer agrees to conform with all requirements of the safe harbor provisions specified in the IRS Notices, as they may be amended, as required to confer non-taxable status on some or all of the transfer of property, including money, by Interconnection Customer to Interconnected Transmission Owner with respect to the payment of the Costs of construction and installation of the Transmission Owner Interconnection Facilities and/or Merchant Network Upgrades specified in this ISA.

Nothing in Interconnection Customer's agreement pursuant to this Schedule H shall change Interconnection Customer's indemnification obligations under Section 82.4.2 of the Tariff.

Attachment C-3

Consent to Assignment Agreement

Service Agreement No. 1438

CONSENT TO ASSIGNMENT AGREEMENT

**By and Among
PJM Interconnection, L.L.C.
and
Casselman WindPower, LLC
and
Pennsylvania Electric Company
and
Mid-Atlantic Interstate Transmission, LLC**

(PJM Queue Position #L13)

This Consent to Assignment Agreement (“Consent Agreement”) is entered into by and among PJM Interconnection, L.L.C. (“PJM”), Casselman WindPower, LLC (“Interconnection Customer”), Pennsylvania Electric Company (“Interconnected Transmission Owner”), and Mid-Atlantic Interstate Transmission, LLC (“Assignee”) (each a “Party,” and collectively, the “Parties”).

WHEREAS, PJM, Interconnection Customer, and Interconnected Transmission Owner are parties to that certain Interconnection Service Agreement related to PJM Queue Position #L13, designated as Original Service Agreement No. 1438, with an effective date of January 13th, 2006, and filed with the Federal Energy Regulatory Commission in Docket No. ER06-633 (the “Assigned Agreement”);

WHEREAS, with effect from the date this Consent Agreement is fully executed by all Parties (the “Consent Date”), Interconnected Transmission Owner desires to assign its rights and delegate its duties under the Assigned Agreement to Assignee, and Assignee desires to accept such assignment and delegation (the “Assignment”); and

WHEREAS, Interconnected Transmission Owner and Assignee desire that PJM and Interconnection Customer provide written consent to the Assignment prior to the Assignment Date (hereinafter defined), and PJM and Interconnection Customer desire to provide such written consent.

NOW THEREFORE, in consideration of the mutual covenants and provisions herein contained, and for other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the Parties, intending to be legally bound, hereby covenant and agree as follows:

- 1.0 Consistent with the terms and conditions of the Assigned Agreement, PJM and Interconnection Customer hereby consent to the assignment by Interconnected Transmission Owner to Assignee of the Assigned Agreement.
- 2.0 The granting of consent by PJM and Interconnection Customer to the Assignment does not alter or diminish the rights of PJM or Interconnection Customer under the Assigned Agreement.

- 3.0 Interconnected Transmission Owner and Assignee represent and warrant that, as of the Assignment Date, Assignee shall have the technical and operational competence to comply with the requirements of the Assigned Agreement.
- 4.0 Interconnected Transmission Owner represents and warrants that, as of the Consent Date, no default exists in the performance of its obligations under the Assigned Agreement.
- 5.0 Upon the Assignment Date, Assignee shall assume all rights, duties, and obligations of Interconnected Transmission Owner arising under the Assigned Agreement, and Interconnected Transmission Owner shall be discharged from all duties and obligations arising under the Assigned Agreement.
- 6.0 This Consent Agreement is neither a modification of, nor an amendment to, the Assigned Agreement. No terms or conditions set forth in this Consent Agreement are intended to be interpreted as contrary to, or inconsistent with, the terms and conditions of the Assigned Agreement, including appendices, where applicable. To the extent there are any conflicts between this Consent Agreement and the Assigned Agreement, including any appendices, the Assigned Agreement, including appendices, shall control.
- 7.0 This Consent Agreement may not be amended, modified, assigned, or waived other than by a writing signed by all the Parties.
- 8.0 The Assignment Date shall be the date of closing of a related underlying transaction between Interconnected Transmission Owner and Assignee (“Assignment Date”).¹
- 9.0 Within 5 business days of the closing date of the transaction or other event that results in the Assignment becoming effective, Interconnected Transmission Owner or Assignee shall provide PJM with: (i) written notification of the actual Assignment Date and any other written documentation PJM may reasonably request that demonstrates proof of the closing of the transaction or occurrence of other event resulting in the Assignment becoming effective; and (ii) the name and contact information of the person(s) associated with the Assignee to whom notifications regarding the Assigned Agreement should be made after the Assignment Date.
- 10.0 The Parties acknowledge that the Assigned Agreement must be amended to reflect the Assignment. The Parties therefore agree, upon occurrence of the Assignment Date or in anticipation thereof, to amend the Assigned Agreement, in accordance with the amendment

¹ On June 19, 2015, in Docket No. EC15-157-000, Pennsylvania Electric Company, Metropolitan Edison Company, Jersey Central Power & Light Company (collectively, the “FirstEnergy East Operating Companies”), FirstEnergy Transmission, LLC, and MAIT submitted an Application for Authorization Pursuant to Sections 203(a)(1)(A) and 203(a)(2) of the Federal Power Act and Request for Waivers of Certain Filing Requirements related to the FirstEnergy East Operating Companies’ proposed transfer all of their respective transmission assets and associated rights and obligations to MAIT.

provisions of the Assigned Agreement, as necessary to reflect the Assignment. PJM shall file with the Federal Energy Regulatory Commission for acceptance or, if conforming, report in PJM's Electric Quarterly Reports, the amended Assigned Agreement. The Parties agree to take any and all actions as may be necessary to effectuate the amendments to the Assigned Agreement and to facilitate PJM's timely filing of the amended Assigned Agreement.

- 11.0 In the event PJM does not receive notification pursuant to Section 9.0 of this Consent Agreement within 180 days from the Consent Date, this Consent Agreement shall terminate, and all rights and obligations under this Consent Agreement shall extinguish, on the date that is 180 days from the Consent Date.
- 12.0 This Consent Agreement and all of its provisions are binding upon, and inure to the benefit of, the Parties and their respective successors and permitted assigns.
- 13.0 Any notice or request made to or by any of the Parties regarding this Consent Agreement shall be made to the representative of the other Parties as indicated below:

Transmission Provider

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

Interconnection Customer

Casselman WindPower, LLC
C/o Avangrid Renewables
1125NW Couch St., Suite 700
Portland, OR 97209
Attn: Rob Batarags

Interconnected Transmission Owner

Pennsylvania Electric Company
76 South Main Street
A-GO-10
Akron, OH 44308
Attn: Mike Thorn, FERC & Wholesale Connection Support Manager

Assignee

Mid-Atlantic Interstate Transmission, LLC

76 South Main Street

A-GO-10

Akron, OH 44308

Attn: Mike Thorn, FERC & Wholesale Connection Support Manager

mthorn@firstenergycorp.com

With copies to:

FirstEnergy Service Company

Legal Department

76 South Main Street

A-GO-15

Akron, OH 44308

Attn: Attorney for FERC & Wholesale Connection Support

- 14.0 This Consent Agreement 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.
- 15.0 This Consent Agreement shall be governed by and construed in accordance with the law governing the Assigned Agreement.

[SIGNATURE PAGE FOLLOWS]

IN WITNESS WHEREOF, PJM, Interconnection Customer, Assignee, and Interconnected Transmission Owner have caused this Consent Agreement to be executed by their respective authorized officials. . By each individual signing below each represents to the other that they are duly authorized to sign on behalf of that company and have actual and/or apparent authority to bind the respective company to this Consent Agreement.

(PJM Queue Position #L1)

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

By: David M. Egan 11-17-16
Name Title Date
Manager, Interconnection Projects
Printed name of signer: David M. Egan

Interconnection Customer: Casselman WindPower, LLC

By: ^{GAL} Laura Beane 12/6/16
Name Title Date
Authorized Representative
Printed name of signer: Laura Beane

Interconnected Transmission Owner: Pennsylvania Electric Company

By: Robert R. Mattuz, Jr 11/22/2016
Name Title Date
Director, FERL COMPLIANCE
Printed name of signer: Robert R. Mattuz, Jr

Assignee: Mid-Atlantic Interstate Transmission, LLC

By: FirstEnergy Transmission, LLC, its sole member

By: Richard A. Ziegler 11/21/2016
Name Title Date
Director - RTRC + RTRD Tech. Support
[Authorized Signatory]
Printed name of signer: Richard A. Ziegler

