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December 18, 2014

**VIA ELECTRONIC FILING**

The Honorable Kimberly D. Bose, Secretary  
Federal Energy Regulatory Commission  
888 First Street, N.E.  
Washington, D.C. 20426-0001

**Re: PJM Interconnection, L.L.C. Docket No. ER15-\_\_\_\_\_ -000  
Service Agreement No. 3276; Queue No. X1-012**

Dear Secretary Bose:

Pursuant to section 205 of the Federal Power Act (“FPA”),<sup>1</sup> and part 35 of the regulations of the Federal Energy Regulatory Commission (“Commission” or “FERC”),<sup>2</sup> PJM Interconnection, L.L.C. (“PJM”) submits for filing an executed Wholesale Market Participation Agreement (“WMPA” or “Agreement”) entered into among PJM, Marina Energy, LLC (“Wholesale Market Participant” or “Marina Energy”) and Jersey Central Power & Light Company (“Transmission Owner” or “JCPL”), executed on November 19, 2014 (“Marina Energy WMPA”). PJM is submitting this WMPA for filing because Marina Energy intends to engage in wholesale sales in the PJM markets from a generating facility connected to JCPL’s distribution facilities. PJM requests an effective date of November 19, 2014 for this WMPA.

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<sup>1</sup> 16 U.S.C. § 824d (2006).

<sup>2</sup> 18 C.F.R. Part 35 (2013).

The Honorable Kimberly D. Bose, Secretary  
*PJM Interconnection, L.L.C.*, Docket No. ER15-\_\_\_\_-000  
December 18, 2014  
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The Marina Energy WMPA is designated as Service Agreement No. 3276<sup>3</sup>, and it supersedes Original Service Agreement No. 3276, entered into among PJM, ITA, Inc. and JCPL. The former Wholesale Market Participant, ITA, Inc., assigned its project to Marina Energy. The Marina Energy WMPA is substantively the same as it was submitted to the Commission in Docket No. ER12-1618-000,<sup>4</sup> except that, in accordance with the assignment of the project from ITA, Inc., to Marina Energy, the Marina energy WMPA reflects the Parties agreement to: revise notice information in section 2.0; remove “a FirstEnergy Company” in reference to JCPL; correct typographical errors in section 3.1.1; revise a milestone in section 3.1.3; include suspension provisions in section 3.1 of the WMPA; and include a sentence at the beginning of the WMPA explaining that this WMPA supersedes the original WMPA among PJM, ITA, Inc. and JCPL, designated as Original Service Agreement No. 3276. The Marina Energy WMPA will facilitate Marina Energy’s intent to engage in jurisdictional wholesale transactions in the PJM markets, which will originate over the JCPL’s non-jurisdictional distribution facilities.

#### **I. 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 WMPA. Additionally, PJM requests a waiver of the Commission’s 60-day prior notice requirement to allow an effective date of November 19, 2014, for the Marina Energy WMPA, as set forth in § 1.1 thereof. Waiver is appropriate because the WMPA is being filed within thirty (30) days of its requested effective date. *See Prior Notice and Filing Requirements Under Part II of the Federal Power Act*, 64 FERC ¶ 61,139 at 61,983-84 (1993).

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<sup>3</sup> Because the Marina Energy WMPA being electronically filed with this transmittal letter contains electronic signatures and not the original signatures of the parties, a copy of the sheet(s) containing the original signatures is included as Attachment C to this transmittal letter.

The Honorable Kimberly D. Bose, Secretary  
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## II. Documents Enclosed

PJM encloses the following:

1. This Transmittal Letter;
2. Attachment A: Marked WMPA –Service Agreement No. 3276;
3. Attachment B: Clean WMPA – Service Agreement No. 3276; and
4. Attachment C: Copy of sheet containing original signatures.

## III. Service

Copies of this filing have been served upon the parties, Marina Energy and JCPL, at the addresses listed below, as well as on the affected state utility commission(s) within the PJM region.

## IV. Correspondence and Communications

All notices, communications or correspondence addressed to PJM regarding this matter should be directed to, and PJM requests that the Secretary include on the Commission's official service list, the following:

Craig Glazer  
Vice President–Federal Government Policy  
PJM Interconnection, L.L.C.  
1200 G Street, N.W, Suite 600  
Washington, D.C. 20005  
(202) 423-4743  
[craig.glazer@pjm.com](mailto:craig.glazer@pjm.com)

Jeanine S. Watson  
Counsel  
PJM Interconnection, L.L.C.  
2750 Monroe Blvd.  
Audubon, PA 19403  
(610) 666-4438  
[jeanine.watson@pjm.com](mailto:jeanine.watson@pjm.com)

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<sup>4</sup> *PJM Interconnection, L.L.C.*, Letter Order, Docket No. ER12-1618-000 (issued on May 21, 2012).

The Honorable Kimberly D. Bose, Secretary  
PJM Interconnection, L.L.C., Docket No. ER15-\_\_\_\_-000  
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Respectfully submitted,



Jeanine S. Watson  
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2750 Monroe Blvd.  
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[jeanine.watson@pjm.com](mailto:jeanine.watson@pjm.com)

Craig Glazer  
Vice President–Federal Government Policy  
PJM Interconnection, L.L.C.  
1200 G Street, N.W, Suite 600  
Washington, D.C. 20005  
(202) 423-4743  
[craig.glazer@pjm.com](mailto:craig.glazer@pjm.com)

cc: Marina Energy, LLC  
One North White Horse Pike  
Hammonton, NJ 08037  
Attn: Thomas Pettinelli

Jersey Central Power & Light Company  
76 South Main Street  
A-GO-10  
Akron, OH 44308  
Attn: Mike Thorn, Agreements Support Manager

FirstEnergy Service Company  
Legal Department  
76 South Main Street  
A-GO-15  
Akron, OH 44308  
Attn: Attorney for Agreements Support

New Jersey Board of Public Utilities  
44 South Clinton Avenue  
P.O. Box 350  
Trenton, NJ 08609-0350  
Attention: Chief Counsel

# Attachment A

Revisions to the  
PJM Service Agreements

(Marked / Redline Format)

~~Original~~ Service Agreement No. 3276

~~Effective Date: April 2, 2012~~

(PJM Queue #X1-012)

**WHOLESALE MARKET PARTICIPATION AGREEMENT**

**Among**

**PJM INTERCONNECTION, L.L.C.**

**And**

**~~ITA, INC.~~**

**MARINA ENERGY, LLC**

**And**

**JERSEY CENTRAL POWER & LIGHT COMPANY, ~~A FIRSTENERGY COMPANY~~**

~~Original~~ Service Agreement No. 3276

**WHOLESALE MARKET PARTICIPATION AGREEMENT**

**By and Among  
PJM Interconnection, L.L.C.**

**And**

**~~ITA, Inc.~~**

**Marina Energy, LLC**

**And**

**Jersey Central Power & Light Company, ~~a FirstEnergy Company~~  
~~-(PJM Queue Position #X1-012)~~**

This Wholesale Market Participation Agreement (“WMPA”) including the Specifications, and Schedules attached hereto and incorporated herein, is entered into in order to effectuate sales of energy and/or capacity into PJM’s wholesale markets, by and between PJM Interconnection, L.L.C., the Regional Transmission Organization for the PJM Region (“Transmission Provider”), ~~ITA, Inc.~~ Marina Energy, LLC (“Wholesale Market Participant” ~~[OPTIONAL: or “[short name”]]~~) and Jersey Central Power & Light Company, ~~a FirstEnergy Company~~ (“Transmission Owner” or “JCPL”). This WMPA supersedes the Wholesale Market Participation Agreement between PJM Interconnection, L.L.C., ITA, Inc. and Jersey Central Power & Light Company filed with and accepted by the Federal Energy Regulatory Commission in Docket No. ER12-1618-000, effective April 2, 2012, and designated as Original Service Agreement No. 3276.

**WITNESSETH**

WHEREAS, Wholesale Market Participant is developing generation that it intends to use to engage in Wholesale Transactions in PJM’s markets and desires to maintain its proposed generation in the queue that PJM studies for potential reliability impacts to the Transmission System;

WHEREAS, Wholesale Market Participant is seeking to interconnect at a local distribution or sub-transmission facility, which at this time is not subject to FERC jurisdiction; and

WHEREAS, Wholesale Market Participant and Transmission Owner or its affiliate must enter into a separate two-party interconnection agreement (“Interconnection Agreement”) in order to address issues of physical interconnection and local charges that may be presented by the interconnection of Wholesale Market Participant’s generation to the distribution facility.

NOW, THEREFORE, in consideration of the mutual covenants herein contained, together with other good and valuable consideration, the receipt and sufficiency is hereby mutually acknowledged by Transmission Provider, Transmission Owner and Wholesale

Market Participant and the parties agree to assume all of the rights and obligations consistent with the rights and obligations relating to Network Upgrades, Local Upgrades and metering requirements set forth in Part VI of the Tariff, as of the effective date of this WMPA, required for Wholesale Market Participant to make Wholesale Transactions in PJM's markets. The Parties mutually covenant and agree as follows:

## Article 1 – DEFINITIONS and OTHER DOCUMENTS

- 1.0 Defined Terms.** All capitalized terms herein shall have the meanings as set forth in the definitions of such terms as stated in Part I or Part VI, Article 1 of the PJM Open Access Transmission Tariff (“Tariff”), except Wholesale Market Participant which shall be defined in this WMPA as a participant in a Wholesale Transaction.
- 1.1 Effective Date.** This WMPA shall become effective on the date it is executed by all Parties, or, if this WMPA is filed with FERC unexecuted, upon the date specified by FERC. This WMPA shall terminate on such date as mutually agreed upon by the parties, unless earlier terminated consistent with Section 1 in Attachment O, Appendix 2, Part VI of the Tariff.
- 1.2 Assumption of Tariff Obligations.** Wholesale Market Participant 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.
- 1.3 Incorporation Of Other Documents.** All portions of the Tariff and the Operating Agreement pertinent to the subject matter of this WMPA and not otherwise made a part hereof are hereby incorporated herein and made a part hereof.

## Article 2 - NOTICES and MISCELLANEOUS

- 2.0 Notices.** Any notice or request made by any party regarding this WMPA shall be made, consistent with the terms of Subpart B of the Tariff, to the representatives of the other parties.

Transmission Provider:

PJM Interconnection, L.L.C.  
~~955 Jefferson Avenue~~  
~~Valley Forge Corporate Center~~  
~~Norristown 2750 Monroe Blvd.~~  
~~Audubon, PA 19403-2497~~

Wholesale Market Participant:



~~ITA, Inc.~~  
~~17 Mansion Street~~  
~~Stoneham, MA 02180~~  
Marina Energy, LLC  
One North White Horse Pike  
Hammonton, NJ 08037  
Attn: ~~Tovi Avnery~~Theodore Pettinelli

Transmission Owner:

Jersey Central Power & Light Company, ~~a FirstEnergy Company~~  
76 South Main Street  
A-GO-10  
Akron, OH 44308  
Attn: Mike Thorn, Agreements Support Manager

With copies to:

~~FE Legal~~  
FirstEnergy Service Company  
Legal Department  
76 South Main Street  
A-GO-15  
Akron, OH 44308  
Attn: ~~Karen Sealy~~ Attorney for Agreements Support

- 2.1 Construction With Other Parts Of The Tariff.** This WMPA shall not be construed as an application for service under Part II or Part III of the Tariff.
- 2.2 Warranty for Facilities Study.** In analyzing and preparing the System Impact Study, and in designing and constructing the Local Upgrades and/or Network Upgrades described in Part II of the Tariff and in the Specifications attached to this WMPA, Transmission Provider, the Transmission Owner(s), and any other subcontractors employed by Transmission Provider have had to, and shall have to, rely on information provided by Wholesale Market Participant and possibly by third parties and may not have control over the accuracy of such information. Accordingly, NEITHER TRANSMISSION PROVIDER, THE TRANSMISSION OWNER(s), NOR ANY OTHER SUBCONTRACTORS EMPLOYED BY TRANSMISSION PROVIDER OR TRANSMISSION OWNER 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 THE SYSTEM IMPACT STUDY IF A FACILITIES STUDY WAS NOT REQUIRED OR OF THE LOCAL UPGRADES AND/OR THE NETWORK UPGRADES, PROVIDED, HOWEVER, that Transmission Provider warrants that the Transmission Owner Facilities described in the Specifications will be designed and constructed (to the extent that 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. Wholesale Market Participant 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.

- 2.3 Waiver.** No waiver by any party of one or more defaults by the other in performance of any of the provisions of this WMPA shall operate or be construed as a waiver of any other or further default or defaults, whether of a like or different character.
- 2.4 Amendment.** This WMPA or any part thereof, may not be amended, modified, or waived other than by a written document signed by all parties hereto.
- 2.5 Addendum of Wholesale Market Participant's Agreement to Conform with IRS Safe Harbor Provisions for Non-Taxable Status.** To the extent required, in accordance with Section 20.1.2 in Attachment O-1 in Part VI of the Tariff, Schedule E to this WMPA shall set forth the Wholesale Market Participant's agreement to conform with the IRS safe harbor provisions for non-taxable status.

## ARTICLE 3 – Responsibility for Network or Local Upgrades

**3.0 Security for Network or Local Upgrades.** Consistent with Section 212.4 in Part VI of the Tariff, Wholesale Market Participant, on or before the effective date of this WMPA, shall provide the Transmission Provider (for the benefit of the 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 \$0. This amount represents the sum of the estimated Costs, determined consistent with Section 217 in Part VI of the Tariff, of (i) the Local Upgrades and/or Network Upgrades described in Section 3.4 of this WMPA less any Costs already paid by the Wholesale Market Participant. Should Wholesale Market Participant fail to provide Security in the amount or form required in the first sentence of this Section, this WMPA shall be terminated. Wholesale Market Participant acknowledges that its ultimate cost responsibility consistent with Section 217 in Part VI of the Tariff will be based upon the actual Costs of the facilities described in the Specifications to this WMPA, whether greater or lesser than the amount of the Security provided under this Section.

**3.1 Project Specific Milestones.** During the term of this WMPA, Wholesale Market Participant shall ensure that it meets each of the following milestones:

**3.1.1 Commercial Operation.** (i) On or before December 31, 2014, Wholesale Market Participant must demonstrate commercial operation of all generating units; (ii) On or before December 31, 2014, Wholesale Market Participant must demonstrate commercial sale or use of energy and, if applicable obtain capacity qualification consistent with the requirements of the Reliability Assurance Agreement Among Load ~~Service~~Serving Entities in the PJM Region.

**3.1.2 Documentation.** Within one (1) month following commercial operation of generating unit(s), Wholesale Market Participant must provide certified documentation demonstrating that “as-built” Participant Facility are consistent with applicable PJM studies and agreements. Wholesale Market Participant must also provide PJM with “as-built” electrical modeling data or confirm that previously submitted data remains valid.

**3.1.3 Interconnection Agreement.** On or before ~~December 31, 2012~~June 1, 2014, Wholesale Market Participant must enter into an Interconnection Agreement with the Interconnected Transmission Owner in order to effectuate the WMPA.

Wholesale Market Participant 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 Wholesale Market Participant (i) did not cause and (ii) could not have remedied through the exercise of due diligence.

If (i) the Wholesale Market Participant suspends work pursuant to a suspension provision contained in an interconnection and/or construction agreement with the Interconnected Transmission Owner or (ii) the Interconnected Transmission Owner extends the date by which Wholesale Market Participant must enter into an interconnection agreement relative to this WMPA, and (iii) the Wholesale Market Participant has not made a wholesale sale under this WMPA, the Wholesale Market Participant may suspend this WMPA by notifying the Transmission Provider and the Interconnected Transmission Owner in writing that it wishes to suspend this WMPA, with the condition that, notwithstanding such suspension, the Transmission System shall be left in a safe and reliable condition in accordance with Good Utility Practice and Transmission Provider's safety and reliability criteria. Wholesale Market Participant's notice of suspension shall include an estimated duration of the suspension period and other information related to the suspension. Pursuant to this section 3.1, Wholesale Market Participant may request one or more suspensions of work under this WMPA for a cumulative period of up to a maximum of three years. If, however, the suspension will result in a Material Modification as defined in Section 1.18A.02 of the Tariff, then such suspension period shall be no greater than one (1) year. If the Wholesale Market Participant suspends this WMPA pursuant to this Section 3.1 and has not provided written notice that it will exit such suspension on or before the expiration of the suspension period described herein, this WMPA shall be deemed terminated as of the end of such suspension period. The suspension time shall begin on the date the suspension is requested or on the date of the Wholesale Market Participant's written notice of suspension to Transmission Provider, if no effective date was specified. All milestone dates stated in this Section 3.1 shall be deemed to be extended coextensively with any suspension period permitted pursuant to this provision.

IN WITNESS WHEREOF, Transmission Provider, Wholesale Market Participant and Transmission Owner have caused this WMPA to be executed by their respective authorized officials.

(PJM Queue #X1-012)

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

By: /s/ <del>Alan Elmy</del> _____	<del>David M. Egan</del> _____	<u>Manager, Interconnection Planning</u>
<del>4/2/12</del> _____		
<del>11-19-14</del> _____	Name	Title
_____	Date	

Printed name of signer: ~~Alan Elmy~~ \_\_\_\_\_ David M. Egan Manager, Interconnection Planning

Wholesale Market Participant: ~~ITA, Inc.~~ **Marina Energy, LLC**

By: /s/ <del>Tovi Avnery</del> _____	<del>CEO</del> _____	<del>FEB-12-12</del> _____
<del>Stephen Poniatowicz</del> _____	<del>Sr. Vice President &amp; COO</del> _____	<del>5-2-14</del> _____
_____	Name	Title
_____		Date

Printed name of signer: ~~Tovi Avnery~~ \_\_\_\_\_ Stephen Poniatowicz

Transmission Owner: **Jersey Central Power & Light Company, a FirstEnergy Company**

By: /s/ <del>Donald M. Lynch</del> _____	<del>James V. Fakult</del> _____	<u>President</u> _____
<del>3/23/12</del> _____		<del>11/18/2014</del> _____
_____	Name	Title
_____		Date

Printed name of signer: ~~Donald M. Lynch~~ \_\_\_\_\_ James V. Fakult

**SPECIFICATIONS FOR  
WHOLESALE MARKET PARTICIPATION AGREEMENT**

**By and Among  
PJM INTERCONNECTION, L.L.C.**

**And**

**ITA, Inc.**

**Marina Energy, LLC**

**And**

**JERSEY CENTRAL POWER & LIGHT, ~~A FIRSTENERGY COMPANY~~  
(PJM Queue Position #X1-012)**

**1.0 Description of generating unit(s)** (the “Participant Facility”) to be used for the provision of wholesale sales into the PJM markets:

a. Name of Participant Facility:

Frankford Solar Farm

b. Location of Participant Facility:

124 Meyer Road, Frankford, New Jersey

c. Size in megawatts of Participant Facility:

Maximum Facility Output of 10.0 MW

d. Description of the equipment configuration:

A ground mounted, inverter based, solar photovoltaic generating facility consisting of solar arrays and a 34kV collector system.

## **2.0 Rights for Generation Wholesale Market Participant**

### **2.1 Capacity Interconnection Rights:**

Pursuant to and subject to the applicable terms of the Tariff, the Wholesale Market Participant shall have Capacity Interconnection Rights at the Point(s) of Interconnection specified in this Wholesale Market Participation Agreement in the amount of 3.8 MW commencing June 1, 2015. During the time period from the effective date of this WMPA until May 31, 2015 (the “interim time period”), the Wholesale Market Participant may be awarded interim Capacity Interconnection Rights in an amount not to exceed 3.8MW. The availability and amount of such interim Capacity Interconnection Rights shall be dependent upon completion and results of an interim deliverability study performed in the first quarter of each calendar year. Any interim Capacity Interconnection Rights awarded during the interim time period shall terminate on May 31, 2015.

To the extent that any portion of the Participant Facility described in Section 1.0 is not a Capacity Resource with Capacity Interconnection Rights, such portion of the Participant Facility shall be an Energy Resource. Pursuant to this WMPA, the Wholesale Market Participant may sell energy into PJM’s markets in an amount equal to the Participant Facility’s Maximum Facility Output indicated in Section 1.0c of the Specifications for this WMPA. PJM reserves the right to limit injections in the event reliability would be affected by output greater than such quantity.

**3.0 Ownership and Location of Metering Equipment.** The metering equipment to be constructed, the capability of the metering equipment to be constructed, and the ownership thereof, as required for the Wholesale Transactions shall be identified on the attached Schedule B to this WMPA, and provided consistent with the PJM manuals.

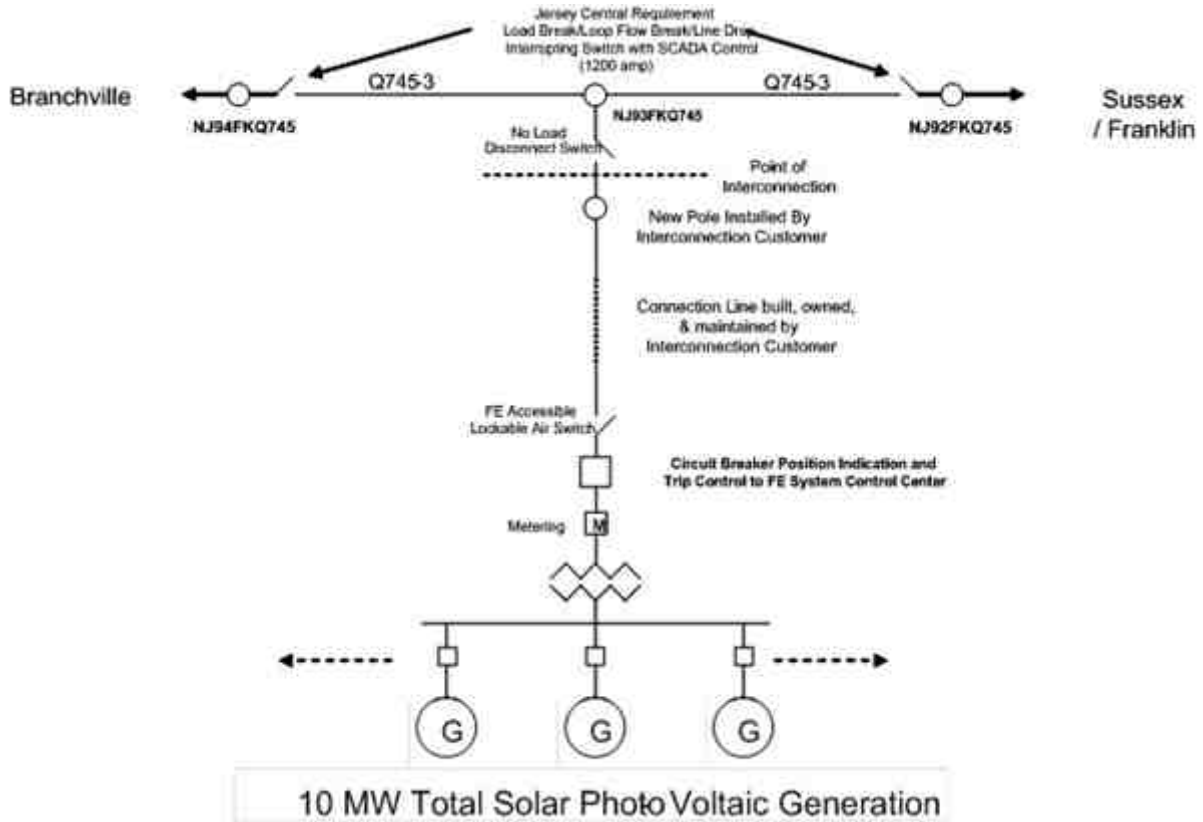


**SCHEDULES:**

- **SCHEDULE A - SINGLE-LINE DIAGRAM (Showing point of interconnection)**
- **SCHEDULE B - LIST OF METERING EQUIPMENT**
- **SCHEDULE C - LIST OF LOCAL/NETWORK UPGRADES**
- **SCHEDULE D - APPLICABLE TECHNICAL REQUIREMENTS AND STANDARDS**
- **SCHEDULE E - WHOLESALE MARKET PARTICIPANT AGREEMENT TO CONFORM WITH IRS SAFE HARBOR PROVISIONS FOR NON-TAXABLE STATUS**
- **SCHEDULE F –SCHEDULE OF NON-STANDARD TERMS & CONDITIONS**

# SCHEDULE A

## SINGLE-LINE DIAGRAM



**SCHEDULE B**

**LIST OF METERING EQUIPMENT**

Wholesale Market Participant's metering & telemetry equipment shall comply with requirements specified in PJM Manuals M-01 and M-14D.

**SCHEDULE C**  
**LIST OF LOCAL/NETWORK UPGRADES**

Not Required.

## SCHEDULE D

### APPLICABLE TECHNICAL REQUIREMENTS AND STANDARDS

1. FirstEnergy “Technical Requirements for the Interconnection of Parallel-Operated Generation to the FirstEnergy Distribution System” which is available at:  
<http://www.pjm.com/planning/design-engineering/to-tech-standards.aspx>.
2. “PJM Transmission and Substation Design Subcommittee Technical Requirements,” which are available at:  
<http://www.pjm.com/planning/design-engineering/maac-to-guidelines.aspx>
3. “PJM Relay Philosophy Design Standards,” which are available at:  
<http://www.pjm.com/planning/design-engineering.asp>
4. “Wholesale Generation Interconnection Manual” which is available at:  
<http://www.pjm.com/planning/design-engineering/to-tech-standards.aspx>

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**SCHEDULE E**  
**WHOLESALE MARKET PARTICIPANT'S AGREEMENT TO CONFORM WITH IRS**  
**SAFE HARBOR PROVISIONS FOR NON-TAXABLE STATUS**

As provided in Section 24.1 in Attachment O, Appendix 2 in Part VI of the Tariff and subject to the requirements thereof, Wholesale Market Participant 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"). Wholesale Market Participant 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 Wholesale Market Participant to Transmission Owner with respect to the payment of the Costs of construction and installation of the Transmission Owner Interconnection Facilities specified in this WMPA.

Nothing in Wholesale Market Participant's agreement pursuant to this Schedule E shall change the indemnification obligations under Section 24.2 in Attachment O, Appendix 2 in Part VI of the Tariff.

**SCHEDULE F**  
**SCHEDULE OF NON-STANDARD TERMS & CONDITIONS**

Not Required.

# Attachment B

Revisions to the  
PJM Service Agreements

(Clean Format)



Service Agreement No. 3276

(PJM Queue #X1-012)

**WHOLESALE MARKET PARTICIPATION AGREEMENT**  
**Among**  
**PJM INTERCONNECTION, L.L.C.**  
**And**  
**MARINA ENERGY, LLC**  
**And**  
**JERSEY CENTRAL POWER & LIGHT COMPANY**

Service Agreement No. 3276

**WHOLESALE MARKET PARTICIPATION AGREEMENT**

**By and Among  
PJM Interconnection, L.L.C.  
And  
Marina Energy, LLC  
And  
Jersey Central Power & Light Company  
(PJM Queue Position #X1-012)**

This Wholesale Market Participation Agreement (“WMPA”) including the Specifications, and Schedules attached hereto and incorporated herein, is entered into in order to effectuate sales of energy and/or capacity into PJM’s wholesale markets, by and between PJM Interconnection, L.L.C., the Regional Transmission Organization for the PJM Region (“Transmission Provider”), Marina Energy, LLC (“Wholesale Market Participant”) and Jersey Central Power & Light Company (“Transmission Owner” or “JCPL”). This WMPA supersedes the Wholesale Market Participation Agreement between PJM Interconnection, L.L.C., ITA, Inc. and Jersey Central Power & Light Company filed with and accepted by the Federal Energy Regulatory Commission in Docket No. ER12-1618-000, effective April 2, 2012, and designated as Original Service Agreement No. 3276.

**WITNESSETH**

WHEREAS, Wholesale Market Participant is developing generation that it intends to use to engage in Wholesale Transactions in PJM’s markets and desires to maintain its proposed generation in the queue that PJM studies for potential reliability impacts to the Transmission System;

WHEREAS, Wholesale Market Participant is seeking to interconnect at a local distribution or sub-transmission facility, which at this time is not subject to FERC jurisdiction; and

WHEREAS, Wholesale Market Participant and Transmission Owner or its affiliate must enter into a separate two-party interconnection agreement (“Interconnection Agreement”) in order to address issues of physical interconnection and local charges that may be presented by the interconnection of Wholesale Market Participant’s generation to the distribution facility.

NOW, THEREFORE, in consideration of the mutual covenants herein contained, together with other good and valuable consideration, the receipt and sufficiency is hereby mutually acknowledged by Transmission Provider, Transmission Owner and Wholesale Market Participant and the parties agree to assume all of the rights and obligations

consistent with the rights and obligations relating to Network Upgrades, Local Upgrades and metering requirements set forth in Part VI of the Tariff, as of the effective date of this WMPA, required for Wholesale Market Participant to make Wholesale Transactions in PJM's markets. The Parties mutually covenant and agree as follows:

### **Article 1 – DEFINITIONS and OTHER DOCUMENTS**

- 1.0 Defined Terms.** All capitalized terms herein shall have the meanings as set forth in the definitions of such terms as stated in Part I or Part VI, Article 1 of the PJM Open Access Transmission Tariff (“Tariff”), except Wholesale Market Participant which shall be defined in this WMPA as a participant in a Wholesale Transaction.
- 1.1 Effective Date.** This WMPA shall become effective on the date it is executed by all Parties, or, if this WMPA is filed with FERC unexecuted, upon the date specified by FERC. This WMPA shall terminate on such date as mutually agreed upon by the parties, unless earlier terminated consistent with Section 1 in Attachment O, Appendix 2, Part VI of the Tariff.
- 1.2 Assumption of Tariff Obligations.** Wholesale Market Participant 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.
- 1.3 Incorporation Of Other Documents.** All portions of the Tariff and the Operating Agreement pertinent to the subject matter of this WMPA and not otherwise made a part hereof are hereby incorporated herein and made a part hereof.

### **Article 2 - NOTICES and MISCELLANEOUS**

- 2.0 Notices.** Any notice or request made by any party regarding this WMPA shall be made, consistent with the terms of Subpart B of the Tariff, to the representatives of the other parties.

Transmission Provider:

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

Wholesale Market Participant:  
Marina Energy, LLC  
One North White Horse Pike  
Hammonton, NJ 08037

Attn: Theodore Pettinelli

Transmission Owner:

Jersey Central Power & Light Company  
76 South Main Street  
A-GO-10  
Akron, OH 44308  
Attn: Mike Thorn, Agreements Support Manager

With copies to:  
FirstEnergy Service Company  
Legal Department  
76 South Main Street  
A-GO-15  
Akron, OH 44308  
Attn: Attorney for Agreements Support

- 2.1 Construction With Other Parts Of The Tariff.** This WMPA shall not be construed as an application for service under Part II or Part III of the Tariff.
- 2.2 Warranty for Facilities Study.** In analyzing and preparing the System Impact Study, and in designing and constructing the Local Upgrades and/or Network Upgrades described in Part II of the Tariff and in the Specifications attached to this WMPA, Transmission Provider, the Transmission Owner(s), and any other subcontractors employed by Transmission Provider have had to, and shall have to, rely on information provided by Wholesale Market Participant and possibly by third parties and may not have control over the accuracy of such information. Accordingly, NEITHER TRANSMISSION PROVIDER, THE TRANSMISSION OWNER(s), NOR ANY OTHER SUBCONTRACTORS EMPLOYED BY TRANSMISSION PROVIDER OR TRANSMISSION OWNER 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 THE SYSTEM IMPACT STUDY IF A FACILITIES STUDY WAS NOT REQUIRED OR OF THE LOCAL UPGRADES AND/OR THE NETWORK UPGRADES, PROVIDED, HOWEVER, that Transmission Provider warrants that the Transmission Owner Facilities described in the Specifications will be designed and constructed (to the extent that 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. Wholesale Market Participant 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.

- 2.3 Waiver.** No waiver by any party of one or more defaults by the other in performance of any of the provisions of this WMPA shall operate or be construed as a waiver of any other or further default or defaults, whether of a like or different character.
- 2.4 Amendment.** This WMPA or any part thereof, may not be amended, modified, or waived other than by a written document signed by all parties hereto.
- 2.5 Addendum of Wholesale Market Participant's Agreement to Conform with IRS Safe Harbor Provisions for Non-Taxable Status.** To the extent required, in accordance with Section 20.1.2 in Attachment O-1 in Part VI of the Tariff, Schedule E to this WMPA shall set forth the Wholesale Market Participant's agreement to conform with the IRS safe harbor provisions for non-taxable status.

## ARTICLE 3 – Responsibility for Network or Local Upgrades

- 3.0 Security for Network or Local Upgrades.** Consistent with Section 212.4 in Part VI of the Tariff, Wholesale Market Participant, on or before the effective date of this WMPA, shall provide the Transmission Provider (for the benefit of the 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 \$0. This amount represents the sum of the estimated Costs, determined consistent with Section 217 in Part VI of the Tariff, of (i) the Local Upgrades and/or Network Upgrades described in Section 3.4 of this WMPA less any Costs already paid by the Wholesale Market Participant. Should Wholesale Market Participant fail to provide Security in the amount or form required in the first sentence of this Section, this WMPA shall be terminated. Wholesale Market Participant acknowledges that its ultimate cost responsibility consistent with Section 217 in Part VI of the Tariff will be based upon the actual Costs of the facilities described in the Specifications to this WMPA, whether greater or lesser than the amount of the Security provided under this Section.
- 3.1 Project Specific Milestones.** During the term of this WMPA, Wholesale Market Participant shall ensure that it meets each of the following milestones:
- 3.1.1 Commercial Operation.** (i) On or before December 31, 2014, Wholesale Market Participant must demonstrate commercial operation of all generating units; (ii) On or before December 31, 2014, Wholesale Market Participant must demonstrate commercial sale or use of energy and, if applicable obtain capacity qualification consistent with the requirements of the Reliability Assurance Agreement Among Load Serving Entities in the PJM Region.
- 3.1.2 Documentation.** Within one (1) month following commercial operation of generating unit(s), Wholesale Market Participant must provide certified documentation demonstrating that “as-built” Participant Facility are consistent with applicable PJM studies and agreements. Wholesale Market Participant must also provide PJM with “as-built” electrical modeling data or confirm that previously submitted data remains valid.
- 3.1.3 Interconnection Agreement.** On or before June 1, 2014, Wholesale Market Participant must enter into an Interconnection Agreement with the Interconnected Transmission Owner in order to effectuate the WMPA.

Wholesale Market Participant 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 Wholesale Market Participant (i) did not cause and (ii) could not have remedied through the exercise of due diligence.

If (i) the Wholesale Market Participant suspends work pursuant to a suspension provision contained in an interconnection and/or construction agreement with the Interconnected Transmission Owner or (ii) the Interconnected Transmission Owner extends the date by which Wholesale Market Participant must enter into an interconnection agreement relative to this WMPA, and (iii) the Wholesale Market Participant has not made a wholesale sale under this WMPA, the Wholesale Market Participant may suspend this WMPA by notifying the Transmission Provider and the Interconnected Transmission Owner in writing that it wishes to suspend this WMPA, with the condition that, notwithstanding such suspension, the Transmission System shall be left in a safe and reliable condition in accordance with Good Utility Practice and Transmission Provider's safety and reliability criteria. Wholesale Market Participant's notice of suspension shall include an estimated duration of the suspension period and other information related to the suspension. Pursuant to this section 3.1, Wholesale Market Participant may request one or more suspensions of work under this WMPA for a cumulative period of up to a maximum of three years. If, however, the suspension will result in a Material Modification as defined in Section 1.18A.02 of the Tariff, then such suspension period shall be no greater than one (1) year. If the Wholesale Market Participant suspends this WMPA pursuant to this Section 3.1 and has not provided written notice that it will exit such suspension on or before the expiration of the suspension period described herein, this WMPA shall be deemed terminated as of the end of such suspension period. The suspension time shall begin on the date the suspension is requested or on the date of the Wholesale Market Participant's written notice of suspension to Transmission Provider, if no effective date was specified. All milestone dates stated in this Section 3.1 shall be deemed to be extended coextensively with any suspension period permitted pursuant to this provision.

IN WITNESS WHEREOF, Transmission Provider, Wholesale Market Participant and Transmission Owner have caused this WMPA to be executed by their respective authorized officials.

(PJM Queue #X1-012)

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

By: /s/ David M. Egan                      Manager, Interconnection Planning                      11-19-14  
Name    Title    Date

Printed name of signer: David M. Egan Manager, Interconnection Planning

Wholesale Market Participant: **Marina Energy, LLC**

By: /s/ Stephen Poniatowicz                      Sr. Vice President & COO                      5-2-14  
Name    Title    Date

Printed name of signer: Stephen Poniatowicz

Transmission Owner: **Jersey Central Power & Light Company**

By: /s/ James V. Fakult                      President                      11/18/2014  
Name    Title    Date

Printed name of signer: James V. Fakult



**SPECIFICATIONS FOR  
WHOLESALE MARKET PARTICIPATION AGREEMENT  
By and Among  
PJM INTERCONNECTION, L.L.C.  
And  
Marina Energy, LLC  
And  
JERSEY CENTRAL POWER & LIGHT  
(PJM Queue Position #X1-012)**

**1.0 Description of generating unit(s)** (the “Participant Facility”) to be used for the provision of wholesale sales into the PJM markets:

- a. Name of Participant Facility:

Frankford Solar Farm

- b. Location of Participant Facility:

124 Meyer Road, Frankford, New Jersey

- c. Size in megawatts of Participant Facility:

Maximum Facility Output of 10.0 MW

- d. Description of the equipment configuration:

A ground mounted, inverter based, solar photovoltaic generating facility consisting of solar arrays and a 34kV collector system.

## **2.0 Rights for Generation Wholesale Market Participant**

### **2.1 Capacity Interconnection Rights:**

Pursuant to and subject to the applicable terms of the Tariff, the Wholesale Market Participant shall have Capacity Interconnection Rights at the Point(s) of Interconnection specified in this Wholesale Market Participation Agreement in the amount of 3.8 MW commencing June 1, 2015. During the time period from the effective date of this WMPA until May 31, 2015 (the “interim time period”), the Wholesale Market Participant may be awarded interim Capacity Interconnection Rights in an amount not to exceed 3.8MW. The availability and amount of such interim Capacity Interconnection Rights shall be dependent upon completion and results of an interim deliverability study performed in the first quarter of each calendar year. Any interim Capacity Interconnection Rights awarded during the interim time period shall terminate on May 31, 2015.

To the extent that any portion of the Participant Facility described in Section 1.0 is not a Capacity Resource with Capacity Interconnection Rights, such portion of the Participant Facility shall be an Energy Resource. Pursuant to this WMPA, the Wholesale Market Participant may sell energy into PJM’s markets in an amount equal to the Participant Facility’s Maximum Facility Output indicated in Section 1.0c of the Specifications for this WMPA. PJM reserves the right to limit injections in the event reliability would be affected by output greater than such quantity.

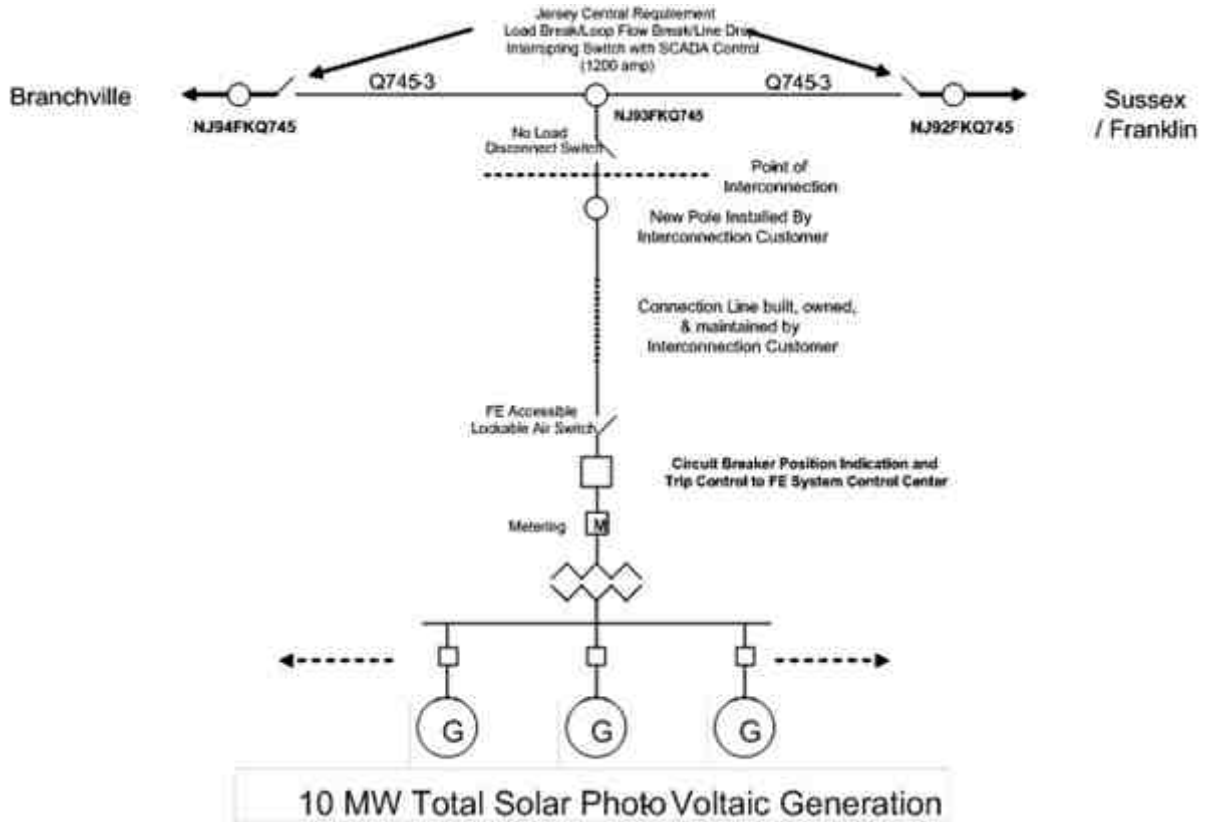
**3.0 Ownership and Location of Metering Equipment.** The metering equipment to be constructed, the capability of the metering equipment to be constructed, and the ownership thereof, as required for the Wholesale Transactions shall be identified on the attached Schedule B to this WMPA, and provided consistent with the PJM manuals.

**SCHEDULES:**

- **SCHEDULE A - SINGLE-LINE DIAGRAM (Showing point of interconnection)**
- **SCHEDULE B - LIST OF METERING EQUIPMENT**
- **SCHEDULE C - LIST OF LOCAL/NETWORK UPGRADES**
- **SCHEDULE D - APPLICABLE TECHNICAL REQUIREMENTS AND STANDARDS**
- **SCHEDULE E - WHOLESALE MARKET PARTICIPANT AGREEMENT TO CONFORM WITH IRS SAFE HARBOR PROVISIONS FOR NON-TAXABLE STATUS**
- **SCHEDULE F –SCHEDULE OF NON-STANDARD TERMS & CONDITIONS**

# SCHEDULE A

## SINGLE-LINE DIAGRAM



**SCHEDULE B**

**LIST OF METERING EQUIPMENT**

Wholesale Market Participant's metering & telemetry equipment shall comply with requirements specified in PJM Manuals M-01 and M-14D.

**SCHEDULE C**  
**LIST OF LOCAL/NETWORK UPGRADES**

Not Required.

## **SCHEDULE D**

### **APPLICABLE TECHNICAL REQUIREMENTS AND STANDARDS**

1. FirstEnergy “Technical Requirements for the Interconnection of Parallel-Operated Generation to the FirstEnergy Distribution System” which is available at:  
<http://www.pjm.com/planning/design-engineering/to-tech-standards.aspx>.
2. “PJM Transmission and Substation Design Subcommittee Technical Requirements,” which are available at:  
<http://www.pjm.com/planning/design-engineering/maac-to-guidelines.aspx>
3. “PJM Relay Philosophy Design Standards,” which are available at:  
<http://www.pjm.com/planning/design-engineering.asp>
4. “Wholesale Generation Interconnection Manual” which is available at:  
<http://www.pjm.com/planning/design-engineering/to-tech-standards.aspx>

**SCHEDULE E**  
**WHOLESALE MARKET PARTICIPANT'S AGREEMENT TO CONFORM WITH IRS**  
**SAFE HARBOR PROVISIONS FOR NON-TAXABLE STATUS**

As provided in Section 24.1 in Attachment O, Appendix 2 in Part VI of the Tariff and subject to the requirements thereof, Wholesale Market Participant 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"). Wholesale Market Participant 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 Wholesale Market Participant to Transmission Owner with respect to the payment of the Costs of construction and installation of the Transmission Owner Interconnection Facilities specified in this WMPA.

Nothing in Wholesale Market Participant's agreement pursuant to this Schedule E shall change the indemnification obligations under Section 24.2 in Attachment O, Appendix 2 in Part VI of the Tariff.



**SCHEDULE F**  
**SCHEDULE OF NON-STANDARD TERMS & CONDITIONS**

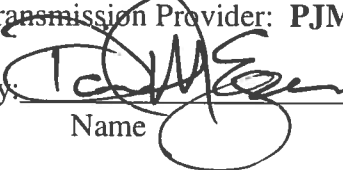
Not Required.

**Attachment C**  
**Copy of Original Signatures**

IN WITNESS WHEREOF, Transmission Provider, Wholesale Market Participant and Transmission Owner have caused this WMPA to be executed by their respective authorized officials.

(PJM Queue #X1-012)

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

By:  David M. Egan 11.19.14  
Name Title Date

Printed name of signer: \_\_\_\_\_

Wholesale Market Participant: **Marina Energy, LLC**

By: \_\_\_\_\_  
Name Title Date

Printed name of signer: \_\_\_\_\_

Transmission Owner: **Jersey Central Power & Light Company**

By: \_\_\_\_\_  
Name Title Date

Printed name of signer: \_\_\_\_\_

IN WITNESS WHEREOF, Transmission Provider, Wholesale Market Participant and Transmission Owner have caused this WMPA to be executed by their respective authorized officials.

(PJM Queue #X1-012)

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

By: \_\_\_\_\_  
Name Title Date

Printed name of signer: \_\_\_\_\_

Wholesale Market Participant: **Marina Energy, LLC**

By: Step Louistowicz Sr. Vice President & COO 5-2-14  
Name Title Date

Printed name of signer: Stephen Louistowicz

Transmission Owner: **Jersey Central Power & Light Company**

By: \_\_\_\_\_  
Name Title Date

Printed name of signer: \_\_\_\_\_

IN WITNESS WHEREOF, Transmission Provider, Wholesale Market Participant and Transmission Owner have caused this WMPA to be executed by their respective authorized officials.

(PJM Queue #X1-012)

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

By: \_\_\_\_\_  
Name Title Date

Printed name of signer: \_\_\_\_\_

Wholesale Market Participant: **Marina Energy, LLC**

By: Stephen Penatowicz Senior Vice President & COO 5-2-14  
Name Title Date

Printed name of signer: Stephen Penatowicz

Transmission Owner: **Jersey Central Power & Light Company**

By: James V. Fakult President 6/10/14  
Name Title Date

Printed name of signer: James V. Fakult

FERC rendition of the electronically filed tariff records in Docket No. ER15-00658-000

Filing Data:

CID: C000030

Filing Title: Service Agreement No. 3276; Queue No. X1-012

Company Filing Identifier: 1586

Type of Filing Code: 10

Associated Filing Identifier:

Tariff Title: PJM Service Agreements Tariff

Tariff ID: 40

Payment Confirmation:

Suspension Motion:

Tariff Record Data:

Record Content Description, Tariff Record Title, Record Version Number, Option Code:

PJM SA No. 3276, PJM SA No. 3276 Among PJM, Marina Energy and JCP&L, 1.0.0, A

Record Narrative Name: Executed Wholesale Market Participation Agreement entered into among PJM, Marina Energy and Jersey Central Power & Light Company

Tariff Record ID: 588

Tariff Record Collation Value: 332000 Tariff Record Parent Identifier: 0

Proposed Date: 2014-11-19

Priority Order: 500

Record Change Type: CHANGE

Record Content Type: 1

Associated Filing Identifier:

Service Agreement No. 3276

(PJM Queue #X1-012)

**WHOLESALE MARKET PARTICIPATION AGREEMENT**

**Among**

**PJM INTERCONNECTION, L.L.C.**

**And**

**MARINA ENERGY, LLC**

**And**

**JERSEY CENTRAL POWER & LIGHT COMPANY**

Service Agreement No. 3276

**WHOLESALE MARKET PARTICIPATION AGREEMENT**

**By and Among  
PJM Interconnection, L.L.C.**

**And**

**Marina Energy, LLC**

**And**

**Jersey Central Power & Light Company  
(PJM Queue Position #X1-012)**

This Wholesale Market Participation Agreement (“WMPA”) including the Specifications, and Schedules attached hereto and incorporated herein, is entered into in order to effectuate sales of energy and/or capacity into PJM’s wholesale markets, by and between PJM Interconnection, L.L.C., the Regional Transmission Organization for the PJM Region (“Transmission Provider”), Marina Energy, LLC (“Wholesale Market Participant”) and Jersey Central Power & Light Company (“Transmission Owner” or “JCPL”). This WMPA supersedes the Wholesale Market Participation Agreement between PJM Interconnection, L.L.C., ITA, Inc. and Jersey Central Power & Light Company filed with and accepted by the Federal Energy Regulatory Commission in Docket No. ER12-1618-000, effective April 2, 2012, and designated as Original Service Agreement No. 3276.

**WITNESSETH**

WHEREAS, Wholesale Market Participant is developing generation that it intends to use to engage in Wholesale Transactions in PJM’s markets and desires to maintain its proposed generation in the queue that PJM studies for potential reliability impacts to the Transmission System;

WHEREAS, Wholesale Market Participant is seeking to interconnect at a local distribution or sub-transmission facility, which at this time is not subject to FERC jurisdiction; and

WHEREAS, Wholesale Market Participant and Transmission Owner or its affiliate must enter into a separate two-party interconnection agreement (“Interconnection Agreement”) in order to address issues of physical interconnection and local charges that may be presented by the interconnection of Wholesale Market Participant’s generation to the distribution facility.

NOW, THEREFORE, in consideration of the mutual covenants herein contained, together with other good and valuable consideration, the receipt and sufficiency is hereby

mutually acknowledged by Transmission Provider, Transmission Owner and Wholesale Market Participant and the parties agree to assume all of the rights and obligations consistent with the rights and obligations relating to Network Upgrades, Local Upgrades and metering requirements set forth in Part VI of the Tariff, as of the effective date of this WMPA, required for Wholesale Market Participant to make Wholesale Transactions in PJM's markets. The Parties mutually covenant and agree as follows:

## **Article 1 – DEFINITIONS and OTHER DOCUMENTS**

- 1.0 Defined Terms.** All capitalized terms herein shall have the meanings as set forth in the definitions of such terms as stated in Part I or Part VI, Article 1 of the PJM Open Access Transmission Tariff (“Tariff”), except Wholesale Market Participant which shall be defined in this WMPA as a participant in a Wholesale Transaction.
- 1.1 Effective Date.** This WMPA shall become effective on the date it is executed by all Parties, or, if this WMPA is filed with FERC unexecuted, upon the date specified by FERC. This WMPA shall terminate on such date as mutually agreed upon by the parties, unless earlier terminated consistent with Section 1 in Attachment O, Appendix 2, Part VI of the Tariff.
- 1.2 Assumption of Tariff Obligations.** Wholesale Market Participant 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.
- 1.3 Incorporation Of Other Documents.** All portions of the Tariff and the Operating Agreement pertinent to the subject matter of this WMPA and not otherwise made a part hereof are hereby incorporated herein and made a part hereof.

## **Article 2 - NOTICES and MISCELLANEOUS**

- 2.0 Notices.** Any notice or request made by any party regarding this WMPA shall be made, consistent with the terms of Subpart B of the Tariff, to the representatives of the other parties.

Transmission Provider:

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

Wholesale Market Participant:



Marina Energy, LLC  
One North White Horse Pike  
Hammonton, NJ 08037  
Attn: Theodore Pettinelli

Transmission Owner:

Jersey Central Power & Light Company  
76 South Main Street  
A-GO-10  
Akron, OH 44308  
Attn: Mike Thorn, Agreements Support Manager

With copies to:  
FirstEnergy Service Company  
Legal Department  
76 South Main Street  
A-GO-15  
Akron, OH 44308  
Attn: Attorney for Agreements Support

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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.

**2.3 Waiver.** No waiver by any party of one or more defaults by the other in performance of any of the provisions of this WMPA shall operate or be construed as a waiver of any other or further default or defaults, whether of a like or different character.

**2.4 Amendment.** This WMPA or any part thereof, may not be amended, modified, or waived other than by a written document signed by all parties hereto.

**2.5 Addendum of Wholesale Market Participant's Agreement to Conform with IRS Safe Harbor Provisions for Non-Taxable Status.** To the extent required, in accordance with Section 20.1.2 in Attachment O-1 in Part VI of the Tariff, Schedule E to this WMPA shall set forth the Wholesale Market Participant's agreement to conform with the IRS safe harbor provisions for non-taxable status.

## ARTICLE 3 – Responsibility for Network or Local Upgrades

**3.0 Security for Network or Local Upgrades.** Consistent with Section 212.4 in Part VI of the Tariff, Wholesale Market Participant, on or before the effective date of this WMPA, shall provide the Transmission Provider (for the benefit of the 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 \$0. This amount represents the sum of the estimated Costs, determined consistent with Section 217 in Part VI of the Tariff, of (i) the Local Upgrades and/or Network Upgrades described in Section 3.4 of this WMPA less any Costs already paid by the Wholesale Market Participant. Should Wholesale Market Participant fail to provide Security in the amount or form required in the first sentence of this Section, this WMPA shall be terminated. Wholesale Market Participant acknowledges that its ultimate cost responsibility consistent with Section 217 in Part VI of the Tariff will be based upon the actual Costs of the facilities described in the Specifications to this WMPA, whether greater or lesser than the amount of the Security provided under this Section.

**3.1 Project Specific Milestones.** During the term of this WMPA, Wholesale Market Participant shall ensure that it meets each of the following milestones:

**3.1.1 Commercial Operation.** (i) On or before December 31, 2014, Wholesale Market Participant must demonstrate commercial operation of all generating units; (ii) On or before December 31, 2014, Wholesale Market Participant must demonstrate commercial sale or use of energy and, if applicable obtain capacity qualification consistent with the requirements of the Reliability Assurance Agreement Among Load Serving Entities in the PJM Region.

**3.1.2 Documentation.** Within one (1) month following commercial operation of generating unit(s), Wholesale Market Participant must provide certified documentation demonstrating that “as-built” Participant Facility are consistent with applicable PJM studies and agreements. Wholesale Market Participant must also provide PJM with “as-built” electrical modeling data or confirm that previously submitted data remains valid.

**3.1.3 Interconnection Agreement.** On or before June 1, 2014, Wholesale Market Participant must enter into an Interconnection Agreement with the Interconnected Transmission Owner in order to effectuate the WMPA.

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If (i) the Wholesale Market Participant suspends work pursuant to a suspension provision contained in an interconnection and/or construction agreement with the Interconnected Transmission Owner or (ii) the Interconnected Transmission Owner extends the date by which Wholesale Market Participant must enter into an interconnection agreement relative to this WMPA, and (iii) the Wholesale Market Participant has not made a wholesale sale under this WMPA, the Wholesale Market Participant may suspend this WMPA by notifying the Transmission Provider and the Interconnected Transmission Owner in writing that it wishes to suspend this WMPA, with the condition that, notwithstanding such suspension, the Transmission System shall be left in a safe and reliable condition in accordance with Good Utility Practice and Transmission Provider's safety and reliability criteria. Wholesale Market Participant's notice of suspension shall include an estimated duration of the suspension period and other information related to the suspension. Pursuant to this section 3.1, Wholesale Market Participant may request one or more suspensions of work under this WMPA for a cumulative period of up to a maximum of three years. If, however, the suspension will result in a Material Modification as defined in Section 1.18A.02 of the Tariff, then such suspension period shall be no greater than one (1) year. If the Wholesale Market Participant suspends this WMPA pursuant to this Section 3.1 and has not provided written notice that it will exit such suspension on or before the expiration of the suspension period described herein, this WMPA shall be deemed terminated as of the end of such suspension period. The suspension time shall begin on the date the suspension is requested or on the date of the Wholesale Market Participant's written notice of suspension to Transmission Provider, if no effective date was specified. All milestone dates stated in this Section 3.1 shall be deemed to be extended coextensively with any suspension period permitted pursuant to this provision.

IN WITNESS WHEREOF, Transmission Provider, Wholesale Market Participant and Transmission Owner have caused this WMPA to be executed by their respective authorized officials.

(PJM Queue #X1-012)

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

By: /s/ David M. Egan                      Manager, Interconnection Planning                      11-19-14  
Name    Title    Date

Printed name of signer: David M. Egan    Manager, Interconnection Planning

Wholesale Market Participant: **Marina Energy, LLC**

By: /s/ Stephen Poniatowicz                      Sr. Vice President & COO                      5-2-14  
Name    Title    Date

Printed name of signer: Stephen Poniatowicz

Transmission Owner: **Jersey Central Power & Light Company**

By: /s/ James V. Fakult                      President  
11/18/2014  
Name    Title    Date

Printed name of signer: James V. Fakult

**SPECIFICATIONS FOR  
WHOLESALE MARKET PARTICIPATION AGREEMENT**

**By and Among  
PJM INTERCONNECTION, L.L.C.**

**And**

**Marina Energy, LLC**

**And**

**JERSEY CENTRAL POWER & LIGHT  
(PJM Queue Position #X1-012)**

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b. Location of Participant Facility:

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c. Size in megawatts of Participant Facility:

Maximum Facility Output of 10.0 MW

d. Description of the equipment configuration:

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### **2.1 Capacity Interconnection Rights:**

Pursuant to and subject to the applicable terms of the Tariff, the Wholesale Market Participant shall have Capacity Interconnection Rights at the Point(s) of Interconnection specified in this Wholesale Market Participation Agreement in the amount of 3.8 MW commencing June 1, 2015. During the time period from the effective date of this WMPA until May 31, 2015 (the “interim time period”), the Wholesale Market Participant may be awarded interim Capacity Interconnection Rights in an amount not to exceed 3.8MW. The availability and amount of such interim Capacity Interconnection Rights shall be dependent upon completion and results of an interim deliverability study performed in the first quarter of each calendar year. Any interim Capacity Interconnection Rights awarded during the interim time period shall terminate on May 31, 2015.

To the extent that any portion of the Participant Facility described in Section 1.0 is not a Capacity Resource with Capacity Interconnection Rights, such portion of the Participant Facility shall be an Energy Resource. Pursuant to this WMPA, the Wholesale Market Participant may sell energy into PJM’s markets in an amount equal to the Participant Facility’s Maximum Facility Output indicated in Section 1.0c of the Specifications for this WMPA. PJM reserves the right to limit injections in the event reliability would be affected by output greater than such quantity.

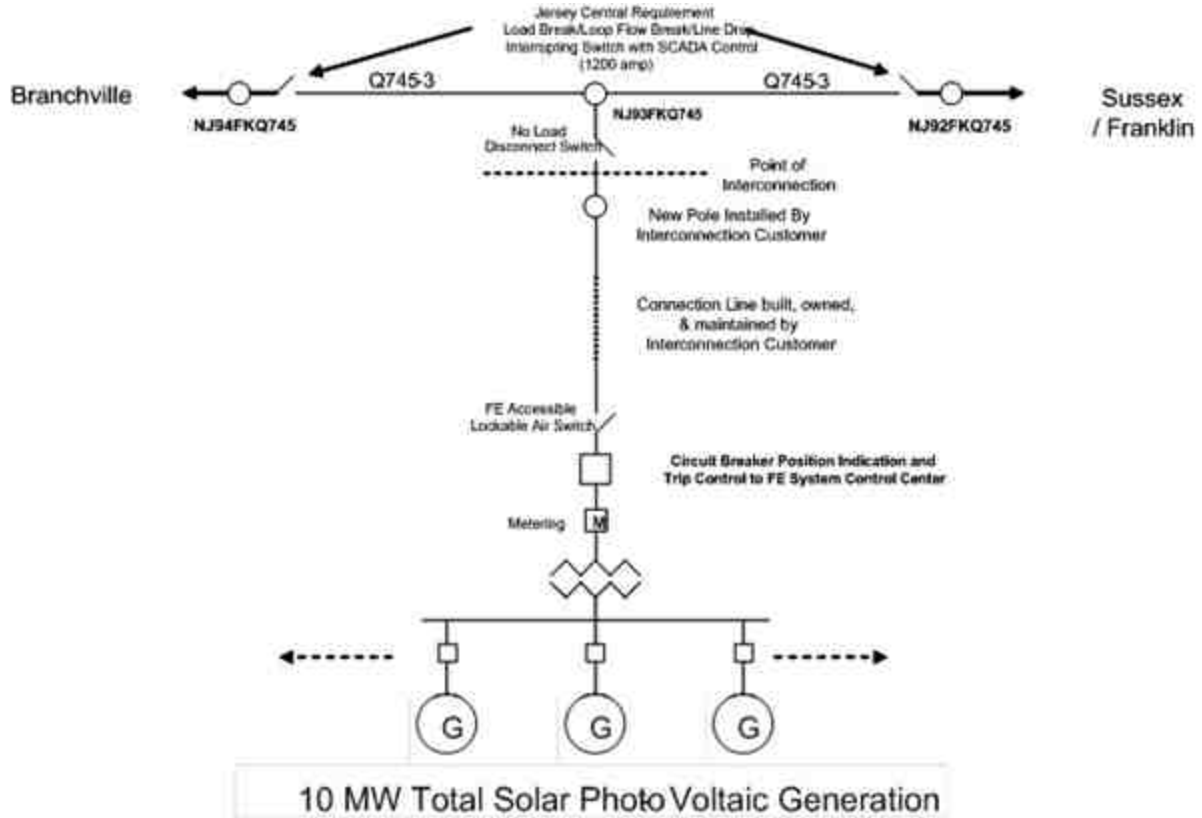
**3.0 Ownership and Location of Metering Equipment.** The metering equipment to be constructed, the capability of the metering equipment to be constructed, and the ownership thereof, as required for the Wholesale Transactions shall be identified on the attached Schedule B to this WMPA, and provided consistent with the PJM manuals.

**SCHEDULES:**

- **SCHEDULE A - SINGLE-LINE DIAGRAM (Showing point of interconnection)**
- **SCHEDULE B - LIST OF METERING EQUIPMENT**
- **SCHEDULE C - LIST OF LOCAL/NETWORK UPGRADES**
- **SCHEDULE D - APPLICABLE TECHNICAL REQUIREMENTS AND STANDARDS**
- **SCHEDULE E - WHOLESALE MARKET PARTICIPANT AGREEMENT TO CONFORM WITH IRS SAFE HARBOR PROVISIONS FOR NON-TAXABLE STATUS**
- **SCHEDULE F –SCHEDULE OF NON-STANDARD TERMS & CONDITIONS**



**SCHEDULE A**  
**SINGLE-LINE DIAGRAM**



**SCHEDULE B**

**LIST OF METERING EQUIPMENT**

Wholesale Market Participant's metering & telemetry equipment shall comply with requirements specified in PJM Manuals M-01 and M-14D.

**SCHEDULE C**

**LIST OF LOCAL/NETWORK UPGRADES**

Not Required.

## **SCHEDULE D**

### **APPLICABLE TECHNICAL REQUIREMENTS AND STANDARDS**

1. FirstEnergy “Technical Requirements for the Interconnection of Parallel-Operated Generation to the FirstEnergy Distribution System” which is available at:  
<http://www.pjm.com/planning/design-engineering/to-tech-standards.aspx>.
2. “PJM Transmission and Substation Design Subcommittee Technical Requirements,” which are available at:  
<http://www.pjm.com/planning/design-engineering/maac-to-guidelines.aspx>
3. “PJM Relay Philosophy Design Standards,” which are available at:  
<http://www.pjm.com/planning/design-engineering.asp>
4. “Wholesale Generation Interconnection Manual” which is available at:  
<http://www.pjm.com/planning/design-engineering/to-tech-standards.aspx>

## **SCHEDULE E**

### **WHOLESALE MARKET PARTICIPANT’S AGREEMENT TO CONFORM WITH IRS SAFE HARBOR PROVISIONS FOR NON-TAXABLE STATUS**

As provided in Section 24.1 in Attachment O, Appendix 2 in Part VI of the Tariff and subject to the requirements thereof, Wholesale Market Participant 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”). Wholesale Market Participant 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 Wholesale Market Participant to Transmission Owner with respect to the payment of the Costs of construction and installation of the Transmission Owner Interconnection Facilities specified in this WMPA.

Nothing in Wholesale Market Participant’s agreement pursuant to this Schedule E shall change the indemnification obligations under Section 24.2 in Attachment O, Appendix 2 in Part VI of the Tariff.

**SCHEDULE F**  
**SCHEDULE OF NON-STANDARD TERMS & CONDITIONS**

Not Required.

Document Content(s)

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