



PJM Interconnection, L.L.C.  
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January 31, 2019

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

*Re: PJM Interconnection, L.L.C., Docket No. ER19-925-000  
PJM Operating Agreement, Schedule 12 Membership List Amendments  
PJM Reliability Assurance Agreement, Schedule 17 Amendments*

Dear Secretary Bose:

Pursuant to section 205 of the Federal Power Act, 16 U.S.C § 824d (2006), and Section 35.13 of the Federal Energy Regulatory Commission's (the "Commission's" or "FERC's")<sup>1</sup> regulations, 18 C.F.R. Part 35, PJM Interconnection, L.L.C. ("PJM") submits for filing proposed revisions to the Amended and Restated Operating Agreement of PJM Interconnection, L.L.C. ("Operating Agreement"), Schedule 12, and Reliability Assurance Agreement among Load Serving Entities in the PJM Region ("RAA"), Schedule 17, to update these lists to include new members, remove withdrawn members, reflect the signatories to the RAA, and reflect corporate name changes for the fourth quarter of 2018 beginning October 1, 2018 and ending December 31, 2018.

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<sup>1</sup> Capitalized terms not otherwise defined herein have the meaning specified in the PJM Operating Agreement, PJM Open Access Transmission Tariff, and PJM RAA, as appropriate.

## **I. DESCRIPTION OF FILING**

### **A. *Revised Operating Agreement, Schedule 12***

PJM hereby submits for filing proposed revisions to the Operating Agreement, Schedule 12, which lists all the current PJM Members and includes updates to reflect (1) the addition of new PJM Members; (2) the removal of withdrawn PJM Members;<sup>2</sup> and (3) PJM Members' corporate name changes up to, and including, December 31, 2018.

### **B. *Revised RAA, Schedule 17***

PJM hereby submits for filing proposed revisions to the RAA, Schedule 17, which lists all the current RAA signatories, and includes updates to reflect the addition of new RAA signatories through December 31, 2018.

### **C. *Membership Withdrawals***

Pursuant to Section 35.15 of the Commission's regulations, 18 C.F.R. Part 35, and Operating Agreement, section 4.1(c) and 18.18.2, PJM submits a notice of entities that have withdrawn from membership in PJM. As set forth in these sections, a "...member may withdraw from [the Operating Agreement] upon ninety days' notice," provided, however, that such withdrawal shall not be effective until approved by the Commission. Additionally, Operating Agreement, Schedule 3, specifies that each group of Affiliates, Related Parties or Member that does not timely pay its annual membership fee by January 1 shall be deemed to have given notice of its intent to withdraw from PJM Membership in accordance with section 18.18.2 as noted above. The withdrawing entities specified in this filing have either failed to pay their annual membership fees when due or notified PJM of their intent to withdraw from PJM

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<sup>2</sup> This filing includes a clerical revision to Operating Agreement, Schedule 12 to reflect the withdrawal of Global Energy, LLC. Global Energy, LLC provided notice of withdraw of membership on February 28, 2018, resulting in a withdrawal effective date of May 29, 2018, which was unaccounted for in PJM's July 31, 2018 filing, Docket No. ER18-2109-000 (see, *PJM Interconnection, L.L.C.*, Letter Order, Docket No. ER18-2109-000 (Sept. 19, 2018)) due to an administrative oversight.

Membership ninety days prior to the effective date noted for the respective entity as shown in Attachment C.

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

PJM requests a waiver of the Commission's notice requirements to permit a December 31, 2018 effective date, a date which includes the last member withdrawal following the requisite ninety days prior notice, for the revised Operating Agreement, Schedule 12, and the last amendment to the list of parties to RAA, Schedule 17. Waiver is appropriate in this circumstance to allow new PJM Members, withdrawing Members, and corporate name changes to be reflected in the revised Operating Agreement, Schedule 12, as of the requested effective date; a date that is tied to the effective date of the last membership withdrawal (*i.e.*, December 31, 2018). Waiver is appropriate with respect to RAA, Schedule 17, as to allow new parties, withdrawing parties, and corporate name changes to be reflected accurately therein. Additionally, PJM requests that the Commission make the proposed revisions effective as of December 31, 2018.

## **III. DOCUMENTS SUBMITTED**

Along with this transmittal letter, PJM submits the following attachments:

1. Attachment A: Revised Operating Agreement, Schedule 12 and RAA, Schedule 17 (*Marked Tariff*);
2. Attachment B: Revised Operating Agreement, Schedule 12 and RAA, Schedule 17 (*Clean Tariff*);
3. Attachment C: List of Member Withdrawals;
4. Attachment D: List of New Members;
5. Attachment E: List of Member Corporate Name Changes; and
6. Attachment F: List of New Parties to RAA.

#### IV. CORRESPONDENCE AND COMMUNICATION

The following individuals are designated for inclusion on the official service list in this proceeding and for receipt of any communication regarding this filing:

Craig Glazer  
Vice President–Federal Government Policy  
PJM Interconnection, L.L.C.  
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#### V. SERVICE

PJM has served a copy of this filing on all PJM Members and on all state utility regulatory commissions in the PJM Region by posting this filing electronically. Electronic service is permitted as of November 3, 2008, under the Commission’s regulations<sup>3</sup> pursuant to Order No. 714<sup>4</sup> and the Commission’s Notice of Effectiveness of Regulations issued on October 28, 2008, in Docket No. RM01-5-000. In compliance with those regulations, PJM will post a copy of this filing to the FERC filings section of the its internet site, located at the following link: <http://www.pjm.com/documents/ferc-manuals/ferc-filings.aspx> with a specific link to the newly filed document, and will send an e-mail on the same date as this filing to all PJM Members and all state utility regulatory commissions in the PJM Region<sup>5</sup> alerting them that this filing has been made by PJM today and available by following such link. If the document is not immediately available by using the referenced link, the document will be available through the referenced link within 24 hours of the filing. Also, a copy of this filing will be available on the

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<sup>3</sup> See, 18 C.F.R. §§ 35.2, 154.2, 154.208 and 341.2.

<sup>4</sup> *Electronic Tariff Filings*, Order No. 714, 124 FERC ¶ 61,270 (2008).

<sup>5</sup> PJM already maintains, updates, and regularly uses e-mail lists for all PJM Members and affected commissions.

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Commission's eLibrary website located at the following link: <http://www.ferc.gov/docs-filing/elibrary.asp> in accordance with the Commission's regulations and Order No. 714.

Respectfully submitted,

*/s/ Steven R. Pincus*

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# **Attachment A**

Revisions to the PJM Operating Agreement and  
PJM Reliability Assurance Agreement  
(Marked/Redline Format)

Section(s) of the  
PJM Operating Agreement  
(Marked/Redline Format)

**SCHEDULE 12 -  
PJM MEMBER LIST**

Abest Power & Gas, LLC  
Acadia Energy Partners, LLC  
AC Energy, LLC  
Acciona Energy North America Corporation (AENAC)  
Achieving Equilibrium LLC  
ACT Commodities Inc.  
[ADG Group Inc.](#)  
Advanced Energy Economy Inc.  
Aeon Energy Trading LLC  
AEP Appalachian Transmission Company, Inc.  
AEP Energy Partners, Inc.  
AEP Energy, Inc.  
AEP Indiana Michigan Transmission Company, Inc.  
AEP Kentucky Transmission Company, Inc.  
AEP Ohio Transmission Company, Inc.  
AEP Retail Energy Partners, LLC  
AEP West Virginia Transmission Company, Inc.  
AES Energy Storage, LLC  
AES ES Holdings, LLC  
Aesir Power, LLC  
AES Laurel Mountain, LLC  
AES Ohio Generation, LLC  
A.F. Mensah Inc.  
Affirmed Energy LLC  
Agera Energy LLC  
Aggressive Energy LLC  
Agway Energy Services, LLC  
Air Products & Chemicals, Inc.  
AK Steel Corporation  
Alabama Power Company  
Alegria Fund, LP  
Algonquin Energy Services, Inc.  
All American Power and Gas, LLC  
Allegheny Electric Cooperative, Inc.  
Allegheny Energy Supply Company, LLC  
ALLETE, Inc. d/b/a Minnesota Power  
Alliant Energy Corporate Services, Inc.  
Alliant Energy Resources, LLC  
Alpaca Energy LLC  
Alpha Gas and Electric, LLC  
Alphataraxia Palladium LLC  
Alternative Transmission Inc.  
Altus Power America, Inc.



Amazon Energy LLC  
Ambit Northeast, LLC  
American Municipal Power, Inc.  
American Power & Gas of IL, LLC  
American Power & Gas of MD, LLC  
American Power & Gas of NJ, LLC  
American Power & Gas of Ohio, LLC  
American Power & Gas of Pennsylvania, LLC  
American Power Partners, LLC  
American PowerNet Management, L.P.  
American Transmission Systems Inc.  
Amerigreen Energy, Inc.  
Ames Energy, LLC  
Amity Energy LLC  
AMP Transmission, LLC  
Anahau Energy, LLC  
Anbaric Development Partners, LLC  
Anbaric Northeast Transmission Development Company, LLC  
Anchor Energy LLC  
AP Gas & Electric (IL), LLC  
AP Gas & Electric (MD), LLC  
AP Gas & Electric (OH), LLC  
AP Gas and Electric (NJ), LLC  
AP Gas and Electric (PA), LLC  
APH Acquisition, LLC  
APN Starfirst, LP  
Apogee Energy Trading LLC  
Appalachian Power Company  
Appian Way Energy Partners MidAtlantic, LLC  
Approved Energy II LLC  
APV Renaissance Opco, LLC  
Aquenergy Systems Inc.  
ArcelorMittal USA, LLC  
Archer Energy, LLC  
Arc Private Capital Inc.  
Armenia Mountain Wind, LLC  
Arrow Energy RRH, LLC  
Aspen Generating, LLC  
Aspire Power Ventures, LP  
Associated Electric Cooperative, Inc.  
Astral Energy LLC  
Atlantic City Electric Company  
Atlantic Energy MD, LLC  
Atlantic Grid Operations A, LLC  
ATNV Energy, LP  
Automated Algorithms, LLC

| Avangrid Networks, Inc.

Avangrid Renewables, LLC  
AXPO U.S. LLC  
Baltimore Gas and Electric Company  
Baltimore Power Company LLC  
Bancroft Energy LLC  
Barclays Capital Services Corporation

| ~~Bargain Energy, LLC~~

Bath County Energy, LLC  
Battery Utility of Ohio, LLC  
Bayles Energy LLC  
Bayonne Plant Holding, L.L.C.  
Bazinga, LLC  
BBPC LLC d/b/a/ Great Eastern Energy  
Beacon Power, LLC  
Beaver Dam Energy LLC  
Beech Ridge Energy LLC  
Beech Ridge Energy Storage LLC  
Berks Hollow Energy Associates, LLC  
Bernards Solar, LLC  
BIF II Safe Harbor Holding LLC  
BIF III Holtwood LLC  
Big Bend Trading, LLC  
Big Level Wind LLC  
Big Rivers Electric Corporation  
Big Sandy Peaker Plant, LLC  
Big Savage, LLC  
Big Sky Wind, LLC  
Bilton Wong Power, Inc.  
Biogas Energy Solutions LLC  
BioUrja Power, LLC  
Birchwood Power Partners, L.P.  
Birdsboro Power LLC  
Bishop Hill Energy LLC  
BITH Solar I, LLC  
BJ Energy, LLC  
Black Oak Capital, LLC  
Blackout Power Trading Inc.  
Blackstone Wind Farm II, LLC  
Blackstone Wind Farm, LLC

| ~~Bluegrass Generating Company, LLC~~

Blue Ridge Power Agency, Inc.  
BlueRock Energy, Inc.  
BNP Paribas Energy Trading GP  
Borough of Butler, Butler Electric Division  
Borough of Chambersburg

Borough of Columbia, PA  
Borough of Lavallette, New Jersey  
Borough of Madison, New Jersey  
Borough of Milltown  
Borough of Mont Alto  
Borough of Park Ridge, New Jersey  
Borough of Pemberton  
Borough of Pitcairn, Pennsylvania  
Borough of Seaside Heights  
Borough of South River, New Jersey  
Boston Energy Group, Inc.  
Boston Energy Trading and Marketing LLC  
Bowfin KeyCon Energy, LLC  
Bowfin KeyCon Power, LLC  
BP Energy Company  
Brandon Shores LLC  
BREG Aggregator LLC  
Brick Standard LLC  
Brighten Energy, LLC  
Brookfield Energy Marketing, LP  
Brookfield Power Piney & Deep Creek LLC  
Brookfield Renewable Energy Marketing US LLC  
Bruce Power Inc.  
Brunner Island, LLC  
Buckeye Power, Inc.  
C.P. Crane LLC  
Calpine Bethlehem, LLC  
Calpine Energy Services, L.P.  
Calpine Energy Solutions, LLC  
Calpine Mid Atlantic Marketing, LLC  
Calvert Cliffs Nuclear Power Plant, LLC  
Cambria Cogen Company  
Camden Plant Holding, L.L.C.  
Camp Grove Wind Farm, LLC  
~~Capacity Energy Solutions, LLC~~  
Capacity Markets Partners, LLC  
Cape May County Municipal Utilities Authority  
Capital Energy LLC  
Cargill Power Markets, LLC  
Carolina Solar Energy III, LLC  
Carroll County Energy LLC  
Casterbridge Advisory, L.L.C.  
Castleton Commodities Merchant Trading L.P.  
CenStar Energy Corp.  
Central Transmission, LLC  
Central Virginia Electric Cooperative

Centre Lane Trading Limited  
Champion Energy, LLC  
Champion Energy Marketing LLC  
Champion Energy Services, LLC  
Chesapeake Transmission LLC  
Chief Conemaugh Power, LLC  
Chief Keystone Power, LLC  
Choice Energy, LLC dba 4 Choice Energy, LLC  
CIMA ENERGY SOLUTIONS, LLC  
Cincinnati Bell Energy, LLC  
Cinnamon Bay, LLC  
Citadel FNGE Ltd.  
Citigroup Energy Inc.  
Citizens' Electric Company of Lewisburg, PA  
City of Batavia, Illinois  
City of Cleveland, Department of Public Utilities, Division of Cleveland Public Power  
City of Dover, Delaware  
City of Geneva (The)  
City of Hamilton  
~~City of New Martinsville—WV~~  
City of Philippi – West VA  
City of Rochelle  
CleanChoice Energy, Inc.  
Clean Energy Future, LLC  
Clean Energy Future – Lordstown, LLC  
CleanLight Power + Energy, LLC  
Clear Power LLC  
Cleveland Electric Illuminating Company  
CMS Energy Resource Management Company  
Coaltrain Energy LP  
Coastal Strategies, LLC  
~~Cogen Technologies Linden Venture, L.P.~~  
~~Cogentrix Virginia Financing Holding Company, LLC~~  
Cognovi Analytics, LLC  
Collegiate Clean Energy, LLC  
Commonwealth Chesapeake Company, LLC  
Commonwealth Edison Company  
Community Energy, Inc.  
Connecticut Central Energy LLC  
ConocoPhillips Company  
Consolidated Edison Company of New York, Inc.  
Consolidated Edison Energy, Inc.  
Consolidated Edison Solutions, Inc.  
Constellation Energy Power Choice, LLC  
Constellation Energy Services, Inc.  
Constellation NewEnergy, Inc.

Constellation Power Source Generation, LLC  
Consumer Protection and Advocate Division of the Tennessee Attorney General  
Consumers Energy Company  
Convergent Energy and Power LP  
Cordova Energy Company LLC  
Cork Oak Solar LLC  
Cornerstone Gas, L.L.C.  
Corona Power LLC  
County of Frederick, VA  
Covanta Energy Group, LLC  
Covanta Essex Company  
Covanta Union, LLC  
CP Energy Marketing (US) Inc.  
CPV Fairview, LLC  
CPV MARYLAND, LLC  
CPV Power Holdings, LP  
CPV Shore, LLC  
Credit Suisse (USA), Inc.  
Crescent Ridge LLC  
Crete Energy Venture, LLC  
Cube Hydro Partners, LLC  
Cumulus Master Fund  
Current Power & Gas Inc.  
Customized Energy Solutions, Ltd.  
CWP Energy Inc.  
Cypress Creek Renewables, LLC  
Darby Energy, LLLP  
Darby Power, LLC  
Dart Container Corporation of Pennsylvania  
Dayton Power & Light Company (The)  
DC Energy LLC  
DC Energy Mid-Atlantic, LLC  
DCO Energy, LLC  
Decatur Energy Center, LLC  
Delaware Division of the Public Advocate  
Delaware Municipal Electric Corporation  
Delmarva Power & Light Company  
Denver Energy, LLC  
Devonshire Energy, LLC  
Diamond State Generation Partners, LLC  
Direct Energy Business, LLC  
Direct Energy Business Marketing, LLC  
Direct Energy Services, LLC  
Discount Power, Inc.  
Divine Power, Inc.  
[Dominion Energy Fairless, LLC](#)

Dominion Energy Generation Marketing, Inc.  
Domtar Paper Company, LLC  
Doswell Limited Partnership  
Downes Associates, Inc.  
DPL Energy Resources, LLC  
Drift Marketplace, Inc.  
DTE Energy Trading, Inc.  
Dufossat Capital I, LLC  
Duke-American Transmission Company, LLC  
Duke Energy Business Services, LLC  
Duke Energy Carolinas, LLC  
Duke Energy Commercial Enterprises, Inc.  
Duke Energy Florida, LLC  
Duke Energy Kentucky, Inc.  
Duke Energy Ohio, Inc.  
Duke Energy Progress, LLC  
Duke Energy Renewable Services, LLC  
Duquesne Conemaugh LLC  
Duquesne Keystone LLC  
Duquesne Light Company  
Duquesne Light Energy, LLC  
Duquesne Power LLC  
Dynamix Energy Services Company, LLC  
Dynasty Energy California Inc.  
Dynasty Energy Group LLC  
Dynasty North America Holdings Inc.  
Dynasty Power Inc.  
Dynergy Energy Services, LLC  
Dynergy Kendall Energy, LLC  
Dynergy Marketing and Trade, LLC  
Dynergy Power Marketing, LLC  
Eagle Creek Hydro Holdings, LLC  
Eagle Point Power Generation LLC  
~~Eagle's View Partners, Ltd.~~

Earth Networks, Inc.  
East Coast Power & Gas of New Jersey, LLC  
East Coast Power Linden Holdings, L.L.C.  
Eastern Generation, LLC  
Eastern Shore Solar LLC  
East Kentucky Power Cooperative, Inc.  
Easton Utilities Commission  
Ebensburg Power Company  
eCap Network, LLC  
Ecesis LLC  
EcoGrove Wind, LLC

EDF Trading North America, LLC  
Edgecombe Genco, LLC  
EDP Energy Services, LLC  
EDP Renewables North America, LLC  
EF Kenilworth LLC  
EFS Parlin Holdings, LLC  
Elgin Energy Center, LLC  
Eligo Energy, LLC  
Elliot Bay Energy Trading, LLC  
Elmagin Power Fund LLC  
Elmwood Park Power, LLC  
Elwood Energy LLC  
EMC Development Company, Inc.  
Emera Energy Services, Inc.  
Emporia Hydropower Limited Partnership  
ENBALA Power Networks, Inc.  
Endurance Energy Midwest LLC  
Enel Trading North America, LLC  
Enel X North America, Inc.  
ENERGIA Y SERVICIOS DEL ISTMO CENTROAMERICANO, S.A. DE C V. INC.  
Energy Authority, Inc. (The)  
Energy Consulting Services, LLC  
Energy Cooperative Association of Pennsylvania  
Energy Cooperative of America, Inc.  
EnergyHub, Inc.  
Energy Plus Holdings LLC  
Energy Power Investment Company, LLC  
Energy Service Providers, Inc.  
Energy Solutions Consortium Holdings, LLC  
Energy Technology Savings, Inc.  
Energy Transfer Retail Power, LLC  
Energy.me Midwest llc d/b/a energy.me  
Energya VM Gestion de Energia S.L.U.  
EnergyConnect, Inc.  
EnerNOC, Inc.  
EnerPenn USA, LLC  
Enerwise Global Technologies, Inc.  
Engelhart CTP (US) LLC  
ENGIE Energy Marketing NA, Inc.  
ENGIE Resources LLC  
ENGIE Retail, LLC  
EnPowered USA Inc.  
Entrust Energy East, Inc.  
E.ON Climate & Renewables North America Inc.  
EPP Renewable Energy, LLC  
ESC Brook County Power I, LLC

ESC Harrison County Power, LLC  
Essential Power OPP, LLC  
Essential Power Rock Springs, LLC  
ETC Endure Energy L.L.C.  
Evergreen Community Power  
Evergreen Gas & Electric, LLC  
EverPower Commercial Services, LLC  
Everyday Energy, LLC  
Exelon Business Services Company, LLC  
Exelon Generation Company, LLC  
Falcon Energy, LLC  
Fantods LLC  
Fermata, LLC  
FirstEnergy Solutions Corp.  
First Point Power, LLC  
[FiTran Fund LP](#)  
Florey Knob Energy LLC  
Florida Power & Light Company  
Forest Investment Group, LLC  
Forked River Power LLC  
Fowler Ridge Wind Farm LLC  
Fowler Ridge II Wind Farm LLC  
Fowler Ridge III Wind Farm LLC  
Fowler Ridge IV Wind Farm LLC  
Franklin Power LLC  
Freepoint Commodities LLC  
Freepoint Energy Solutions LLC  
Fresh Air Energy XVIII, LLC  
Fresh Air Energy XXXV, LLC  
Frontier Utilities Northeast, LLC  
Future Power PA LLC  
G&G Energy, Inc.  
G&S Wantage Solar, LLC  
Galilean Electricae LLC  
Gallus Capital LLC  
Galt Power, Inc.  
Gavin Power, LLC  
GBE Energy Marketing Inc.  
GDF SUEZ Energy Resources NA, Inc.  
[Geenex Solar LLC](#)  
Genbright LLC  
Gen IV Investment Opportunities, LLC  
GenOn Energy Management, LLC  
GenOn Mid-Atlantic, LLC  
Gen Ops, LLC  
Geodesic 2 LLC



Georgia Power Company  
Gerdau Ameristeel Energy, Inc  
GlidePath Power Operations LLC  
~~Global Energy, LLC~~  
Grain Belt Express Clean Line LLC  
Grand Ridge Energy LLC  
Grand Ridge Energy II LLC  
Grand Ridge Energy III LLC  
Grand Ridge Energy IV LLC  
Grand Ridge Energy V LLC  
Grand Ridge Energy Storage, LLC  
Granger Energy of Honey Brook, LLC  
Grays Ferry Cogeneration Partnership  
Great American Power, LLC  
Great Barrington Energy Fund LP  
Great Bay Energy III, LLC  
Great Falls Hydroelectric Company, Limited Partnership  
Green Energy NE LLC  
GreenHat Energy, LLC  
Greenlight Energy Inc.  
Green Mountain Energy Company  
Green River Holdings, LLC  
GRG ENERGY LLC  
Grid Power Direct, LLC  
Gridforce Energy Management, LLC  
Group628, LLC  
GSG, LLC  
GSG 6, LLC  
Guernsey Power Station LLC  
Gulf Power Company  
Guzman Energy LLC  
H.A. Wagner LLC  
H.Q. Energy Services (U.S.), Inc.  
Hagerstown Light Department  
Half Moon Ventures, LLC  
Handsome Lake Energy, LLC  
Harborside Energy, LLC  
Harrison REA, Inc. – Clarksburg, WV  
Hartree Partners, LP  
Hawks Nest Hydro LLC  
Hazle Spindle, LLC  
Hazleton Generation LLC  
Headwaters Wind Farm LLC  
~~Helix Ironwood, LLC~~  
Hemlock Solar, LLC  
Hemsworth Capital LP

Hemsworth Capital Midwest LP  
Hexis Energy Trading, LLC  
Hickory Run Energy, LLC  
Highland North LLC  
High Resolution Energy, LLC  
High Trail Wind Farm LLC  
HIKO Energy, LLC  
Hill Energy Resource & Services, LLC  
Hill Top Energy Center, LLC  
Hilltopper Wind Power, LLC  
Holcim (US), Inc.  
~~Holdridge Energy LLC~~  
Holocene Finance, LLC  
Holtwood, LLC  
Homer City Generation, LP  
Hoosier Energy REC, Inc.  
Hop Bottom Energy LLC  
Horizon Energy Investments, Inc.  
Horizon Power and Light, LLC  
H-P Energy Resources, LLC  
~~HSBC Technology & Services (USA), Inc.~~  
Hudson Energy Services, LLC  
Hudson Transmission Partners, LLC  
HXNAir Solar One, LLC  
Icetec.com, Inc.  
Icetec Energy Services, Inc.  
IDT Energy, Inc.  
IHG Core Holdings, Ltd.  
Illinois Citizens Utility Board  
Illinois Municipal Electric Agency  
Illinois Power Marketing Company  
IMG Midstream LLC  
Incite Energy, LLC  
~~Indeck Energy Services, Inc.~~  
Indeck Niles, LLC  
Independence Energy Group, LLC  
Independent Energy Consultants, Inc.  
Indiana Michigan Power Company  
Indiana Municipal Power Agency  
Indiana Office of Utility Consumer Counselor (IN OUCC)  
Industrial Energy Users-Ohio  
Inertia Power I, LLC  
Ingenco Wholesale Power, LLC  
Innovari Market Solutions LLC  
Innoventive Power LLC  
Inspire Energy Holdings, LLC

Intelligent Generation LLC  
International Paper Company  
Interstate Gas Supply, Inc.  
Interstate Power and Light Company  
Invenergy Energy Management LLC  
Invenergy LLC  
Invenergy Nelson LLC  
~~Ioway Energy, LLC~~  
IPKeys Power Partners LLC  
ISO 1, LLC  
ITC Interconnection LLC  
ITC Mid-Atlantic Development LLC  
Jack Rich, Inc. d/b/a Anthracite Power & Light Company  
~~James River Genco, LLC~~  
Jane Street Energy Trading, LLC  
J. Aron & Company LLC  
Jersey-Atlantic Wind, LLC  
Jersey Central Power & Light Company  
Jersey Green Energy, LLC  
Joliet Battery Storage LLC  
Josco Energy IL LLC  
Josco Energy USA, LLC  
JP Morgan Ventures Energy Corporation  
JPTC, LLC  
Just Energy Solutions Inc.  
Kansas City Power & Light Company  
KDC Solar Green Power LLC  
Keni Energy LLC  
Kentucky Power Company  
Kestrel Acquisition, LLC  
KeyTex Energy LLC  
KeyTex Energy Solutions LLC  
KFW Energy, LLC  
Kimberly-Clark Corporation  
Kincaid Generation, LLC  
Kingsport Power Company  
Kiwi Energy NY LLC  
Kiyoshi Technologies, LLC  
KMC Thermo, LLC  
Koch Energy Services, LLC  
KOREnergy, Ltd.  
Krayn Wind LLC  
Kuehne Chemical Company, Inc.  
L&P Electric Inc., d/b/a Leggett & Platt Electric Inc.  
Lackawanna Energy Center LLC  
Lafayette Power LLC

Lamarr Energy, LLC  
Lancaster County Solid Waste Management Authority  
Landaj Investment, LLC  
Land O'Lakes, Inc.  
Lantar Energy LLC  
Lawrenceberg Power, LLC  
Lee County Generating Station, LLC  
Lee River Proprietary Strategies, Inc.  
Leeward Asset Management, LLC  
Legacy Energy Group, LLC (The)  
Lehigh Portland Cement Company  
LEPPM, LLC  
Letterkenny Industrial Development Authority – PA  
Liberty Electric Power, LLC  
Liberty Power Corp., L.L.C.  
Liberty Power Delaware, LLC  
Liberty Power District of Columbia LLC  
Liberty Power Holdings LLC  
Liberty Power Maryland, LLC  
LifeEnergy, LLC  
Lightstone Marketing LLC  
Lincoln Generating Facility, LLC  
Linde Energy Services, Inc.  
Linde, LLC  
Linden VFT LLC  
Links EP LLC  
LM Power, LLC  
LMP Research Inc.  
Long Island Lighting Company d/b/a LIPA  
Longview Power, LLC  
Louisville Gas and Electric Company/Kentucky Utilities Company  
Lower Electric, LLC  
Lower Mount Bethel Energy, LLC  
LQA, LLC  
LSC Communications US, LLC  
LSP University Park, LLC  
LTSTE Investments, LLC  
Lykins Oil Company d/b/a Lykins Energy Solutions  
Macquarie Energy, LLC  
Madison Gas and Electric Co.  
MAG Energy Solution, Inc.  
Mahoning Creek Hydroelectric Company, LLC  
Major Energy Electric Services, LLC  
Manatee Transmission LLC  
Mansfield Power and Gas, LLC  
Maple Analytics, LLC

Marathon Power LLC  
Marina Energy, LLC  
Martins Creek, LLC  
Marubeni Power International, Inc.  
Marvel Energy, LP  
Maryland Office of People's Counsel  
Maryland Solar LLC  
Mattawoman Energy, LLC  
MC Squared Energy Services, LLC  
Meadow Lake Wind Farm, LLC  
Meadow Lake Wind Farm II, LLC  
Meadow Lake Wind Farm III, LLC  
Meadow Lake Wind Farm IV, LLC  
Meadow Lake Wind Farm V, LLC  
Meadow Lake Wind Farm VI LLC  
MeadWestvaco Corporation  
Median Energy Corp.  
Median Energy IL LLC  
Median Energy PA LLC  
Mega Energy Holdings, LLC  
Mega Energy of Illinois, LLC  
MEG Generating Company, LLC  
Mehoopany Wind Energy LLC  
Mendota Hills, LLC  
Mercuria Energy America, Inc.  
Mercuria SJAK Trading, LLC  
Merrill Lynch Commodities, Inc.  
Metropolitan Edison Company  
Metropolitan Water Reclamation District of Greater Chicago  
Miami Valley Lighting, LLC  
Michigan Department of Attorney General, Environment, Natural Resources & Agriculture  
Division  
Michigan Public Power Agency  
Microsoft Corporation  
MidAmerican Energy Company  
MidAmerican Energy Services, LLC  
Mid-Atlantic Interstate Transmission, LLC  
MidAtlantic Power Partners, LLC  
Mid-Atlantic Renewable Energy Coalition  
Middlesex County Utilities Authorities  
Middlesex Energy Center, LLC  
Midwest Energy Trading East LLC  
Midwest Generation, LLC  
Milan Energy LLC  
Milford Solar LLC  
| Mineral Point Energy LLC

Mint Energy, LLC  
Mississippi Power Company  
Monmouth Energy, Inc.  
Monongahela Power Company d/b/a Allegheny Power  
Monterey MA, LLC  
Montour, LLC  
Montpelier Generating Station, LLC  
Monument Generating Station, LLC  
Morgan Stanley Capital Group Inc.  
Morgan Stanley Services Group Inc.  
Morris Cogeneration, L.L.C  
Mosaic Power, LLC  
Moundsville Power, LLC  
Moxie Freedom LLC  
MP2 Energy, LLC  
MP2 Energy NE, LLC  
MPCF I, LLC  
MPower Energy NJ LLC  
Mt. Carmel Cogeneration Inc.  
MWD Trading, LLC  
NATGASCO d/b/a/ Supreme Energy, Inc.  
~~National Choice Energy, LLC~~  
National Gas & Electric, LLC  
Nautilus Power, LLC  
Nautilus Solar Energy, LLC  
NDC Partners, LLC  
NedPower Mount Storm, LLC  
NEPM II, LLC  
Neptune Regional Transmission System, LLC  
NERC-Middlesex Solar I, LLC  
Newark Energy Center, LLC  
New Covert Generating Company, LLC  
New Creek Wind LLC  
New Jersey Division of the Ratepayer Advocate  
New Jersey Transit Corporation  
New Wave Energy Corp  
New York Power Authority  
New York State Electric & Gas Corporation  
Newark Bay Cogeneration Partnership, L.P.  
NextEra Energy Bluff Point, LLC  
NextEra Energy Marketing, LLC  
NextEra Energy Services Illinois, LLC  
NextEra Energy Services New Jersey, LLC  
NextEra Energy Transmission, LLC  
NextEra Energy Transmission MidAtlantic, LLC  
Nexus Energy Inc.

~~Niles Valley Energy LLC~~

Nittany Energy, LLC  
NJR Clean Energy Ventures Corporation  
NJR Clean Energy Ventures II Corporation  
NJR Clean Energy Ventures III Corporation  
Nordic Energy Services LLC  
North American Power and Gas, LLC  
North Carolina Electric Membership Corporation  
North Carolina Municipal Power Agency Number 1  
North Hanover Solar W2-082, LLC  
Northampton Generating Company, L.P.  
Northeastern REMC  
Northeast Maryland Waste Disposal Authority

~~Northeast Transmission Development, LLC~~

Northern Illinois Municipal Power Agency  
Northern Indiana Public Service Company  
Northern States Power Company  
Northern Virginia Electric Cooperative - NOVEC  
NorthPoint Energy Solutions, Inc.  
Northstar Trading Ltd.  
NRG Curtailment Solutions, Inc.  
NRG Potomac River LLC  
NRG Power Marketing, LLC  
NRG Power Midwest LP  
NRG REMA LLC  
NRGStream LLC  
NTE Carolinas, LLC  
NTE Ohio, LLC

~~NTherm, LLC~~

NuEnergen, LLC  
Oasis Power, LLC dba Oasis Energy

~~Occidental Power Services, Inc.~~

~~Oceanside Power, LLC~~

OCI Solar Power, LLC  
Office of the Attorney General, Kentucky  
Office of the People's Counsel for the District of Columbia  
O.H. Hutchings CT, LLC  
Ohio Consumer's Counsel  
Ohio Edison Company  
Ohio Power Company  
Ohio River Partners Shareholder LLC  
Ohio Valley Electric Corporation  
OhmConnect, Inc.  
Old Dominion Electric Cooperative  
Olympus Power, LLC  
One Energy Enterprises LLC

Ontario Power Generation Energy Trading, Inc.  
Ontario Power Generation Inc.  
Ontelaunee Power Operating Company  
Oregon Clean Energy, LLC  
Osaka Gas USA Corporation  
Owensboro Municipal Utilities  
Oxbow Creek Energy LLC  
Oxford Energy Services, LLC  
Ozark International, Inc.  
Pacific Summit Energy LLC  
Palmco Power DC, LLC  
PALMco Power DE, LLC  
Palmco Power IL, LLC  
Palmco Power MD, LLC  
Palmco Power NJ, LLC  
Palmco Power OH, LLC  
Palmco Power PA, LLC  
PALMco Power VA, LLC  
Panda Hummel Station LLC  
Panda Liberty LLC  
Panda Patriot LLC  
Panda Stonewall LLC  
Panther Creek Power Operating, LLC  
Park Power LLC  
PATH Allegheny Transmission Company, LLC  
PATH West Virginia Transmission Company, LLC  
Patton Wind Farm, LLC  
Paulding Wind Farm II LLC  
Paulding Wind Farm III LLC  
Pay Less Energy, LLC  
PBF Power Marketing, LLC  
PECO Energy Company  
Pedricktown Cogeneration Company LP  
Pegasus Energy Futures LLC  
PEI Power Corporation  
PEI Power II, LLC  
Peninsula Power, LLC  
Penncat Corporation  
Pennoni Associates Inc.  
Pennsylvania Electric Company  
Pennsylvania Grain Processing LLC  
Pennsylvania Office of Consumer Advocate  
Pennsylvania Power Company  
Pennsylvania Renewable Resources, Associates  
| ~~Perdisco Trading, LLC~~  
Pharentram Energy Services, Ltd.



P.H. Glatfelter Company  
Philadelphia Energy Solutions Refining and Marketing LLC  
Piedmont Energy Fund, L.P.  
Pilot Power Group, Inc.  
Pine Hill Energy LLC  
Pinnacle Power LLC  
Plant-E Corp.  
Plymouth Rock Energy, LLC  
Portsmouth Genco, LLC  
Potomac Edison Company (The) d/b/a Allegheny Power  
Potomac Electric Power Company  
Power Engineers, Incorporated  
Power Supply Services, LLC  
Power Up Energy, LLC  
PPGI Fund A/B Development, LLC  
PPL Electric Utilities Corporation dba PPL Utilities  
Prairieland Energy, Inc.  
Praxair, Inc.  
Precept Power LLC  
Presto Energy, LLC  
Prime Trading, LLC  
Procter & Gamble Paper Products Company (The)  
Property Endeavors LLC  
Providence Heights Wind, LLC  
Provision Power and Gas, LLC  
PSEG Energy Resources & Trade LLC  
PSEG Energy Solutions LLC  
PSEG Fossil LLC  
PSEG Nuclear LLC  
Public Service Electric and Gas Company  
Public Staff – North Carolina Utilities Commission  
Pure Energy, Inc.  
Pure Energy USA IL, LLC  
Pure Energy USA, LLC  
QPH CAPITAL, LLC  
Quasar Energy Group, LLC  
Quattro Energy LP  
R2M Technologies Inc.  
Radford's Run Wind Farm, LLC  
Rainbow Energy Marketing Corporation  
Rainbow Energy Ventures LLC  
Rausch Creek Electric Power Holdings, LLC  
Raven Power Marketing LLC  
RC Cape May Holdings, LLC  
Realgy, LLC  
Red Glen Energy LLC

Red Oak Power, LLC  
Red Wolf PT, LLC  
Reliant Energy Northeast, LLC  
Renaissance Power, LLC  
Renaissance Power & Gas, Inc.  
Reenergy Inc.  
Renewable Energy Aggregators Inc.  
Rensselaer Generating LLC  
RES America Developments Inc.  
ResCom Energy, LLC  
Residents Energy, L.L.C.  
Respond Power, LLC  
Richland-Stryker Generation LLC  
RI-Corp. Development, Inc.  
Ringer Hill Wind, LLC  
Riverside Generating Company, L.L.C.  
Robinson Power Company, LLC  
Robison Energy (Commercial) LLC  
Rochester Gas and Electric Corporation  
Rockfish Solar LLC  
Rock Island Clean Line LLC  
Rockland Electric Company  
Rocky Road Power, LLC  
Rolling Hills Generating, L.L.C.  
Roseton Generating LLC  
Roth Rock Wind Farm, LLC  
Roundtop Energy LLC  
Royal Bank of Canada  
RPA Energy, Inc.  
R.R. Donnelley & Sons Company  
RRI Energy Services, LLC  
RRI Energy Solutions East, LLC  
RTP Controls, Inc  
RTR Energy Solutions LLC  
Rushmore Energy, LLC (new).  
Safe Harbor Water Power Corporation  
Safeway Inc.  
Sanford Energy Associates, LLC  
Sanitas Power, LLC  
Santanna Energy Services  
Sapphire Power Marketing LLC  
Saracen Energy East LP  
Saracen Energy Midwest LP  
Saracen Energy West LP  
Saracen Power LP  
Saugatuck River Power Trading LLC

Schuylkill Energy Resources, Inc.  
Scrubgrass Generating Company, L.P.  
Scylla Energy LLC  
Seneca Trading LLC  
SESCO ENTERPRISES LLC  
Seven Islands Environmental Solutions, LLC  
Severn River Power LLC  
Seward Generation, LLC  
SFE Energy Pennsylvania, Inc.  
SFE Energy, Inc.  
SFE Energy NJ, Inc.  
Shell Energy North America (U.S.), L.P.  
Shepard's Neck Point LLC  
Shipley Choice LLC  
Sidney, LLC  
Siemens Industry, Inc.  
[Silver Run Electric, LLC](#)  
S.J. Energy Partners, Inc.  
SmartEnergy Holdings, LLC  
Smart Wires Inc.  
SNC-Lavalin Constructors, Inc.  
Solios Power Mid-Atlantic Trading, LLC  
Solios Power Mid-Atlantic Virtual LLC  
Source Power & Gas LLC  
Southampton Solar LLC  
South Bay Energy Corp.  
South Carolina Electric & Gas Company  
Southeastern Chester County Refuse Authority  
Southeastern Power Administration  
Southern Indian Gas and Electric Company d/b/a Vectren Power Supply Inc.  
Southern Maryland Electric Cooperative, Inc.  
Southern Power Company  
South Field Energy LLC  
South Jersey Energy Company  
Spark Energy, LLC  
Sperian Energy Corp  
sPower Energy Marketing, LLC  
Spring Energy RRH, LLC dba Spring Power & GasSpruance Genco, LLC  
Spruce Power Trading, LLCStandard Gas & Electric, LLC  
Star Energy Partners LLC  
Starion Energy PA, Inc.  
STATARB INVESTMENTS LLC  
St. Joseph Energy Center, LLC  
Stoney Creek Wind Farm, LLC  
[Stourbridge Energy LLC](#)  
Stream Energy Columbia, LLC

Stream Energy Delaware, LLC  
Stream Energy Illinois, LLC  
Stream Energy Maryland, LLC  
Stream Energy New Jersey, LLC  
Stream Energy Pennsylvania, LLC  
Stream Ohio Gas & Electric, LLC  
Strom Power, LLC  
Suffolk Fund LLC  
Summer Energy Midwest, LLC  
~~Summer Energy of Ohio LLC~~  
Summit Farms Solar, LLC  
SunCoke Energy, Inc  
Sunflower Solar LLC  
SunSea Energy, LLC  
Sunshaw Power Trading, LLC  
Sun Tribe Solar, LLC  
Sunwave USA Holdings Inc.  
Susquehanna Nuclear, LLC  
Sustaining Power Solutions LLC  
Switch Energy, LLC  
Syncarpha Solar, LLC  
Tait Electric Generating Station, LLC  
Talen Energy Marketing, LLC  
Taller Cube, LLC  
Tangent Energy Solutions, Inc.  
TAQA Gen X LLC  
Tatanka Wind Power, LLC  
~~TC Ironwood LLC~~  
TEC Energy Inc.  
TEC Trading, Inc.  
Tenaska Pennsylvania Partners, LLC  
Tenaska Power Management, LLC  
Tenaska Power Services Co.  
Tenaska Virginia Partners, L.P.  
Tennessee Valley Authority (The)  
~~TERM Power & Gas, LLC~~  
Texas Retail Energy, LLC  
The Hartz Group  
The Highlands Energy Group, LLC  
THG Energy Solutions, LLC  
Thordin ApS  
Thurmont Municipal Light Company  
Tidal Energy Marketing Inc.  
Tilton Energy, LLC  
Tios Capital, LLC  
Titan Gas and Power

Toledo Edison Company (The)  
Torofino Trading, LLC  
Town of Berlin, Maryland  
~~Town of Front Royal, Virginia~~  
Town of Williamsport  
Town Square Energy East, LLC  
Tradewind Energy, Inc.  
TrailStone Power, LLC  
Trane Grid Services LLC  
Trans-Allegheny Interstate Line Company  
TransAlta Energy Marketing (US) Inc.  
TransCanada Power Marketing, Ltd.  
TranSource, LLC  
Transource Energy, LLC  
Transource Maryland, LLC  
Transource Pennsylvania, LLC  
Transource West Virginia, LLC  
Tri-County Rural Electric Cooperative, Inc.  
Trident Retail Energy, LLC  
TriEagle Energy, LP  
Triolith Energy Fund, LP  
Trishe Wind Ohio, LLC  
TrueLight Commodities, LLC  
TrueLight Energy Fund, LP  
Trustees of the University of Pennsylvania  
Twin Eagle Resource Management, LLC  
Tyne Hill Investments LP  
UGI Development Company  
UGI Energy Services, LLC  
UGI Utilities, Inc.  
Uncia Energy LP – Series B  
Union Electric Company d/b/a Ameren Missouri  
Uniper Global Commodities North America, LLC  
University Park Energy, LLC  
V3 Commodities Group, LLC  
~~VCharge, Inc.~~  
VCIOM, LLC  
VECO Power Trading, LLC  
Velocity American Energy Master I, LP  
Verde Energy USA DC, LLC  
Verde Energy USA Illinois, LLC  
Verde Energy USA Maryland, LLC  
Verde Energy USA Ohio, LLC  
Verde Energy USA, Inc.  
Victory Financial Management, Ltd.  
Vineland Municipal Electric Utility

Virginia Division of Consumer Counsel  
Virginia Electric and Power Company  
Virginia Solar 2017 Projects LLC  
Virginia State Corporation Commission  
Viridian Energy PA, LLC  
Viridity Energy Solutions Inc.  
~~Virtual Power Hedging, LLC~~  
Vista Energy Marketing, L.P.  
Vitol, Inc.  
Voltus, Inc.  
Wabash Valley Power Association, Inc.  
Volunteer Energy Services, Inc.  
Walnut Ridge Wind, LLC  
Walleye Power, LLC  
Waterford Power, LLC  
Wellsboro Electric Company  
Westar Energy, Inc.  
West Chicago Battery Storage LLC  
West Deptford Energy II, LLC  
West Deptford Energy, LLC  
Western Reserve Energy Services, LLC  
West Penn Power Company d/b/a Allegheny Power  
West Virginia Consumer Advocate Division  
WGL Energy Services, Inc.  
Wheelabrator Baltimore, L.P.  
Wheelabrator Falls Inc.  
Wheelabrator Frackville Energy Co Inc.  
Wheelabrator Gloucester Company, L.P.  
Wheelabrator Portsmouth, Inc.  
Wheeling Power Company  
Whitney Hill Wind Power, LLC  
Wildcat Wind Farm I, LLC  
Willey Battery Utility, LLC  
~~Wisconsin Electric Power Company~~  
Wisconsin Power and Light Company  
WM Renewable Energy, LLC  
Wolf Hills Energy, LLC  
Wolf Run Energy LLC  
Wolverine Holdings, L.P.  
Wolverine Power Supply Cooperative, Inc.  
Wolverine Trading, LLC  
World Fuel Services, Inc.  
WPPI Energy  
Wrighter Energy LLC  
Wyandot Solar LLC  
Wylan Energy, L.L.C.

XO Energy MA, LP  
XO Energy MA2, LP  
XO Energy MA3, LP  
XO Energy NY2 LP  
Xoom Energy Maryland, LLC  
Xoom Energy New Jersey, LLC  
XOOM Energy Ohio, LLC  
XOOM Energy Washington D.C., LLC  
Xoom Energy, LLC  
XYZ Consulting LLC  
Yankee Street, LLC  
Yellow Jacket Energy, LLC  
Yes Energy LLC  
York County Solid Waste and Refuse Authority  
York Generation Company LLC  
York Haven Power Company, LLC  
ZF Energy Development, LLC  
Zongyi Solar America Co. Ltd.

Section(s) of the  
PJM Reliability Assurance Agreement  
(Marked/Redline Format)



## SCHEDULE 17

### PARTIES TO THE RELIABILITY ASSURANCE AGREEMENT

This Schedule sets forth the Parties to the Agreement:

Abest Power & Gas, LLC  
AEP Energy, Inc.  
AEP Retail Energy Partners LLC  
AES Ohio Generation, LLC  
Agera Energy LLC  
Aggressive Energy LLC  
Agway Energy Services, LLC  
Algonquin Energy Services Inc.  
All American Power and Gas, LLC  
Allegheny Electric Cooperative, Inc.  
Allegheny Energy Supply Company, L.L.C.  
Alpaca Energy LLC  
Alpha Gas and Electric LLC  
Ambit Northeast, LLC  
American Electric Power Service Corporation on behalf of its affiliates:  
    Appalachian Power Company  
    Indiana Michigan Power Company  
    Kentucky Power Company  
    Kingsport Power Company  
    Ohio Power Company  
    Wheeling Power Company.  
American Municipal Power, Inc.  
American Power & Gas of IL, LLC  
American Power & Gas of MD, LLC  
American Power & Gas of NJ, LLC  
American Power & Gas of Ohio, LLC  
American Power & Gas of Pennsylvania, LLC  
American Power Partners LLC  
American PowerNet Management, L.P.  
American Transmission Systems, Inc.  
AP Gas and Electric (PA), LLC  
APN Starfirst, LP  
Approved Energy II LLC  
Archer Energy, LLC  
ArcelorMittal USA LLC  
Arrow Energy RRH, LLC  
Astral Energy LLC  
Atlantic City Electric Company  
Atlantic Energy MD, LLC  
[Avangrid Renewables, LLC](#)

Baltimore Gas and Electric Company  
Baltimore Power Company LLC  
Barclays Capital Services, Inc  
~~Bargain Energy, LLC~~  
Batavia, IL (City of)  
BBPC LLC d/b/a Great Eastern Energy  
Blackstone Wind Farm, LLC  
Blue Ridge Power Agency, Inc.  
BlueRock Energy, Inc.  
Borough of Butler, Butler Electric Division  
Borough of Chambersburg  
Borough of Columbia, PA  
Borough of Lavallette, New Jersey  
Borough of Milltown  
Borough of Mont Alto, PA  
Borough of Park Ridge, New Jersey  
Borough of Pemberton  
Borough of Pitcairn, Pennsylvania  
Borough of Seaside Heights, New Jersey  
Borough of South River, New Jersey  
Boston Energy Trading and Marketing LLC  
BP Energy Company  
Brighten Energy LLC  
Brookfield Renewable Energy Marketing US LLC  
BTG Pactual Commodities (US) LLC  
Capital Energy, LLC  
Calpine Energy Service, L.P.  
Calpine Energy Solutions, LLC  
Cargill Power Markets LLC  
Central Virginia Electric Cooperative  
Centre Lane Trading Limited  
Champion Energy Marketing LLC  
Champion Energy, LLC  
Choice Energy, LLC dba 4 Choice Energy, LLC  
Cincinnati Bell Energy, LLC  
Citigroup Energy Inc.  
Citizens' Electric Company of Lewisburg, PA  
City of Cleveland, Department of Public Utilities, Division of Cleveland Public Power  
City of Dover, Delaware  
City of New Martinsville - WV  
City of Philippi - West VA  
City of Rochelle  
Cleveland Electric Illuminating Company  
Collegiate Clean Energy, LLC  
Commonwealth Edison Company  
ConocoPhillips Company

Consolidated Edison Energy, Inc.  
Consolidated Edison Solutions, Inc.  
Constellation Energy Power Choice, LLC  
Constellation Energy Services, Inc.  
Constellation NewEnergy, Inc.  
Constellation Power Source Generation, LLC  
Credit Suisse (USA), Inc.  
Current Power & Gas Inc.  
Dayton Power & Light Company (The)  
DC Energy LLC  
Delaware Municipal Electric Corporation  
Delmarva Power & Light Company  
Denver Energy, LLC  
Devonshire Energy LLC  
Direct Energy Business, LLC  
Direct Energy Business Marketing, LLC  
Direct Energy Services, LLC  
Discount Power, Inc.  
Downes Associates, Inc.  
DPL Energy Resources, Inc.  
DTE Energy Trading, Inc.  
Duke Energy Kentucky, Inc.  
Duke Energy Ohio, Inc.  
Duquesne Light Company  
Duquesne Light Energy, LLC  
Dynegy Energy Services, LLC  
Dynegy Kendall Energy, LLC  
Dynegy Marketing and Trade, LLC  
East Coast Power & Gas of New Jersey, LLC  
East Kentucky Power Cooperative, Inc.  
Easton Utilities Commission  
EDF Energy Services, LLC  
EDF Trading North America, LLC  
Eligio Energy, LLC  
Energetix, Inc.  
Energy Cooperative Association of Pennsylvania (The)  
Energy Cooperative of America, Inc.  
Energy Plus Holdings LLC  
Energy Services Providers, Inc.  
Energy Technology Savings, Inc.  
Energy Transfer Retail Power, LLC  
Energy.me Midwest llc d/b/a energy.me  
EnerPenn USA, LLC  
Engie Energy Marketing NA, Inc.  
ENGIE Retail, LLC  
[EnPowered USA Inc.](#)

Entrust Energy East, Inc.  
Evergreen Gas & Electric, LLC  
Everyday Energy, LLC  
Exelon Generation Co., LLC  
First Point Power, LLC  
FirstEnergy Solutions Corp.  
Freepoint Energy Solutions LLC  
Frontier Utilities Northeast, LLC  
Front Royal (Town of)  
Galt Power Inc.  
GenOn Power Midwest, LP  
Gerdau Ameristeel Energy, Inc.  
Great American Power, LLC  
Greenlight Energy Inc.  
Green Mountain Energy Company  
Hagerstown Light Department  
Harborside Energy, LLC  
Harrison REA, Inc. - Clarksburg, WV  
Hartee Parnters, LP  
HIKO Energy, LLC  
Holcim (US) Inc.  
Hoosier Energy REC, Inc.  
~~HSBC Technology & Services (USA), Inc.~~  
Hudson Energy Services, LLC  
IDT Energy, Inc.  
Illinois Municipal Electric Agency  
Illinois Power Marketing Company  
Inspire Energy Holdings, LLC  
Interstate Gas Supply, Inc.  
~~Ioway Energy, LLC~~  
J.P. Morgan Ventures Energy Corporation  
Jack Rich, Inc. d/b/a Anthracite Power & Light Company  
J. Aron & Company LLC  
Jersey Central Power & Light Company  
Josco Energy USA, LLC  
Just Energy Solutions Inc.  
Kiwi Energy NY LLC  
Kuehne Chemical Company, Inc.  
L & P Electric Inc., d/b/a Leggett & Platt Electric Inc.  
Lamarr Energy, LLC  
Land O'Lakes, Inc.  
Liberty Power Corp., L.L.C.  
Liberty Power Delaware LLC  
Liberty Power Holdings LLC  
LifeEnergy, LLC  
Linde Energy Services, Inc.

Lower Electric, LLC  
LSC Communications US, LLC  
Lykins Oil Company d/b/a Lykins Energy Solutions  
Macquarie Cook Energy LLC  
Mansfield Power and Gas, LLC  
Major Energy Electric Services LLC  
MC Squared Energy Services, LLC  
Meadow Lake Wind Farm LLC  
Meadow Lake Wind Farm II LLC  
Meadow Lake Wind Farm III LLC  
Meadow Lake Wind Farm IV LLC  
MeadWestvaco Corporation  
Median Energy Corp.  
Median Energy PA LLC  
Mega Energy Holdings, LLC  
Mercuria Energy America, Inc.  
Metropolitan Edison Company  
MidAmerican Energy Company  
MidAmerican Energy Services, LLC  
Mint Energy, LLC  
Morgan Stanley Capital Group, Inc.  
Morgan Stanley Services Group Inc.  
MP2 Energy NE, LLC  
MPower NJ LLC  
NATGASCO d/b/a/ Supreme Energy, Inc.  
~~National Choice Energy, LLC~~  
National Gas & Electric, LLC  
NextEra Energy Marketing, LLC  
Nextera Energy Services New Jersey, LLC  
Nextera Energy Services, Illinois, LLC  
Nittany Energy, LLC  
Nordic Energy Services LLC  
North American Power and Gas LLC.  
North Carolina Electric Membership Corporation  
North Carolina Municipal Power Agency Number 1  
Northeastern REMC  
Northern States Power Company  
Northern Virginia Electric Cooperative – NOVEC  
NRG Power Marketing, L.L.C.  
Oasis Power, LLC dba Oasis Energy  
~~Occidental Power Services, Inc.~~  
Ohio Edison Company  
Ohio Valley Electric Corporation  
Old Dominion Electric Cooperative  
Oxford Energy Services, LLC  
Palmco Power DC, LLC

PALMco Power DE, LLC  
Palmco Power IL, LLC  
Palmco Power MD, LLC  
Palmco Power NJ, LLC  
Palmco Power OH, LLC  
Palmco Power PA, LLC  
PALMco Power VA, LLC  
Park Power LLC  
Pay Less Energy, LLC  
PBF Power Marketing LLC  
PECO Energy Company  
Pennsylvania Electric Company  
Pennsylvania Grain Processing LLC  
Pennsylvania Power Company  
PEPCO Energy Services, Inc.  
Pinnacle Power LLC  
Plymouth Rock Energy, LLC  
Potomac Electric Power Company  
PPL Electric Utilities Corporation d/b/a PPL Utilities  
Prairieland Energy, Inc.  
Presto Energy, LLC  
Provision Power and Gas, LLC  
PSEG Energy Resources & Trade LLC  
PSEG Energy Solutions LLC  
Public Service Electric & Gas Company  
Pure Energy USA IL, LLC  
Pure Energy USA, LLC  
Realgy, LLC  
Red Oak Power, LLC  
Renaissance Power & Gas, Inc.  
ResCom Energy, LLC  
Residents Energy, L.L.C.  
Respond Power LLC  
Riverside Generating, LLC  
Rolling Hills Generating, LLC  
RPA Energy, Inc.  
R.R. Donnelley & Sons Company  
RRI Energy Services, LLC  
RRI Energy Solutions East, LLC  
Rushmore Energy, LLC (new)  
S.J. Energy Partners, Inc.  
Sanford Energy Associates, LLC d/b/a Powervine Energy  
Santanna Energy Services  
SFE Energy, Inc.  
SFE Energy NJ, Inc.  
Shipley Choice LLC

Solios Power Mid-Atlantic Trading LLC  
Source Power & Gas LLC  
South Bay Energy Corp.  
South Jersey Energy Company  
Southeastern Power Administration  
Southern Indiana Gas & Electric  
Southern Maryland Electric Cooperative, Inc.  
Spark Energy, LLC  
Sperian Energy Corp  
Spring Energy RRH, LLC dba Spring Power & Gas  
Standard Gas & Electric, LLC  
Star Energy Partners LLC  
Starion Energy PA Inc.  
Stream Energy Columbia, LLC  
Stream Energy Delaware, LLC  
Stream Energy Illinois, LLC  
Stream Energy Maryland, LLC  
Stream Energy New Jersey, LLC  
Stream Energy Pennsylvania, LLC  
Stream Ohio Gas & Electric, LLC  
~~Summer Energy Midwest, LLC~~  
~~Summer Energy of Ohio LLC~~  
Switch Energy, LLC  
Talen Energy Marketing, LLC  
Tenaska Power Services Co.  
~~TERM Power & Gas, LLC~~  
Texas Retail Energy, LLC  
Thurmont Municipal Light Company  
Tidal Energy Marketing Inc.  
Titan Gas and Power  
Toledo Edison Company (The)  
Town of Berlin, Maryland  
Town of Williamsport  
Town Square Energy East, LLC  
TransAlta Energy Marketing (U.S.) Inc.  
TransCanada Power Marketing Ltd.  
Tri-County Rural Electric Cooperative, Inc.  
Trident Retail Energy, LLC  
TriEagle Energy, LP  
Trustees of the University of Pennsylvania  
Twin Eagle Resource Management, LLC  
UGI Energy Services, LLC  
UGI Utilities, Inc. - Electric Division  
~~VCharge, Inc.~~  
Verde Energy USA DC, LLC  
Verde Energy USA Illinois, LLC

Verde Energy USA Maryland, LLC  
Verde Energy USA Ohio, LLC  
Verde Energy USA, Inc.  
Vineland Municipal Electric Utility (City of Vineland)  
Virginia Electric & Power Company  
Viridian Energy PA LLC  
Vista Energy Marketing, L.P.  
Wabash Valley Power Association, Inc.  
Wellsboro Electric Company  
West Penn Power Company d/b/a Allegheny Power  
WGL Energy Services, Inc.  
Wolverine Holdings, L.P.  
Wolverine Power Supply Cooperative, Inc.  
Xoom Energy Maryland, LLC  
Xoom Energy New Jersey, LLC  
XOOM Energy Ohio, LLC  
Xoom Energy, LLC  
York Generation Company, LLC



## **Attachment B**

Revisions to the PJM Operating Agreement and  
PJM Reliability Assurance Agreement  
(Clean Format)

Section(s) of the  
PJM Operating Agreement  
(Clean Format)

**SCHEDULE 12 -  
PJM MEMBER LIST**

Abest Power & Gas, LLC  
Acadia Energy Partners, LLC  
AC Energy, LLC  
Acciona Energy North America Corporation (AENAC)  
Achieving Equilibrium LLC  
ACT Commodities Inc.  
ADG Group Inc.  
Advanced Energy Economy Inc.  
Aeon Energy Trading LLC  
AEP Appalachian Transmission Company, Inc.  
AEP Energy Partners, Inc.  
AEP Energy, Inc.  
AEP Indiana Michigan Transmission Company, Inc.  
AEP Kentucky Transmission Company, Inc.  
AEP Ohio Transmission Company, Inc.  
AEP Retail Energy Partners, LLC  
AEP West Virginia Transmission Company, Inc.  
AES Energy Storage, LLC  
AES ES Holdings, LLC  
Aesir Power, LLC  
AES Laurel Mountain, LLC  
AES Ohio Generation, LLC  
A.F. Mensah Inc.  
Affirmed Energy LLC  
Agera Energy LLC  
Aggressive Energy LLC  
Agway Energy Services, LLC  
Air Products & Chemicals, Inc.  
AK Steel Corporation  
Alabama Power Company  
Alegria Fund, LP  
Algonquin Energy Services, Inc.  
All American Power and Gas, LLC  
Allegheny Electric Cooperative, Inc.  
Allegheny Energy Supply Company, LLC  
ALLETE, Inc. d/b/a Minnesota Power  
Alliant Energy Corporate Services, Inc.  
Alliant Energy Resources, LLC  
Alpaca Energy LLC  
Alpha Gas and Electric, LLC  
Alphataraxia Palladium LLC  
Alternative Transmission Inc.  
Altus Power America, Inc.

Amazon Energy LLC  
Ambit Northeast, LLC  
American Municipal Power, Inc.  
American Power & Gas of IL, LLC  
American Power & Gas of MD, LLC  
American Power & Gas of NJ, LLC  
American Power & Gas of Ohio, LLC  
American Power & Gas of Pennsylvania, LLC  
American Power Partners, LLC  
American PowerNet Management, L.P.  
American Transmission Systems Inc.  
Amerigreen Energy, Inc.  
Ames Energy, LLC  
Amity Energy LLC  
AMP Transmission, LLC  
Anahau Energy, LLC  
Anbaric Development Partners, LLC  
Anbaric Northeast Transmission Development Company, LLC  
Anchor Energy LLC  
AP Gas & Electric (IL), LLC  
AP Gas & Electric (MD), LLC  
AP Gas & Electric (OH), LLC  
AP Gas and Electric (NJ), LLC  
AP Gas and Electric (PA), LLC  
APH Acquisition, LLC  
APN Starfirst, LP  
Apogee Energy Trading LLC  
Appalachian Power Company  
Appian Way Energy Partners MidAtlantic, LLC  
Approved Energy II LLC  
APV Renaissance Opco, LLC  
Aquenergy Systems Inc.  
ArcelorMittal USA, LLC  
Archer Energy, LLC  
Arc Private Capital Inc.  
Armenia Mountain Wind, LLC  
Arrow Energy RRH, LLC  
Aspen Generating, LLC  
Aspire Power Ventures, LP  
Associated Electric Cooperative, Inc.  
Astral Energy LLC  
Atlantic City Electric Company  
Atlantic Energy MD, LLC  
Atlantic Grid Operations A, LLC  
ATNV Energy, LP  
Automated Algorithms, LLC

Avangrid Networks, Inc.  
Avangrid Renewables, LLC  
AXPO U.S. LLC  
Baltimore Gas and Electric Company  
Baltimore Power Company LLC  
Bancroft Energy LLC  
Barclays Capital Services Corporation  
Bath County Energy, LLC  
Battery Utility of Ohio, LLC  
Bayles Energy LLC  
Bayonne Plant Holding, L.L.C.  
Bazinga, LLC  
BBPC LLC d/b/a/ Great Eastern Energy  
Beacon Power, LLC  
Beaver Dam Energy LLC  
Beech Ridge Energy LLC  
Beech Ridge Energy Storage LLC  
Berks Hollow Energy Associates, LLC  
Bernards Solar, LLC  
BIF II Safe Harbor Holding LLC  
BIF III Holtwood LLC  
Big Bend Trading, LLC  
Big Level Wind LLC  
Big Rivers Electric Corporation  
Big Sandy Peaker Plant, LLC  
Big Savage, LLC  
Big Sky Wind, LLC  
Bilton Wong Power, Inc.  
Biogas Energy Solutions LLC  
BioUrja Power, LLC  
Birchwood Power Partners, L.P.  
Birdsboro Power LLC  
Bishop Hill Energy LLC  
BITH Solar I, LLC  
BJ Energy, LLC  
Black Oak Capital, LLC  
Blackout Power Trading Inc.  
Blackstone Wind Farm II, LLC  
Blackstone Wind Farm, LLC  
Blue Ridge Power Agency, Inc.  
BlueRock Energy, Inc.  
BNP Paribas Energy Trading GP  
Borough of Butler, Butler Electric Division  
Borough of Chambersburg  
Borough of Columbia, PA  
Borough of Lavallette, New Jersey

Borough of Madison, New Jersey  
Borough of Milltown  
Borough of Mont Alto  
Borough of Park Ridge, New Jersey  
Borough of Pemberton  
Borough of Pitcairn, Pennsylvania  
Borough of Seaside Heights  
Borough of South River, New Jersey  
Boston Energy Group, Inc.  
Boston Energy Trading and Marketing LLC  
Bowfin KeyCon Energy, LLC  
Bowfin KeyCon Power, LLC  
BP Energy Company  
Brandon Shores LLC  
BREG Aggregator LLC  
Brick Standard LLC  
Brighten Energy, LLC  
Brookfield Energy Marketing, LP  
Brookfield Power Piney & Deep Creek LLC  
Brookfield Renewable Energy Marketing US LLC  
Bruce Power Inc.  
Brunner Island, LLC  
Buckeye Power, Inc.  
C.P. Crane LLC  
Calpine Bethlehem, LLC  
Calpine Energy Services, L.P.  
Calpine Energy Solutions, LLC  
Calpine Mid Atlantic Marketing, LLC  
Calvert Cliffs Nuclear Power Plant, LLC  
Cambria Cogen Company  
Camden Plant Holding, L.L.C.  
Camp Grove Wind Farm, LLC  
Capacity Markets Partners, LLC  
Cape May County Municipal Utilities Authority  
Capital Energy LLC  
Cargill Power Markets, LLC  
Carolina Solar Energy III, LLC  
Carroll County Energy LLC  
Casterbridge Advisory, L.L.C.  
Castleton Commodities Merchant Trading L.P.  
CenStar Energy Corp.  
Central Transmission, LLC  
Central Virginia Electric Cooperative  
Centre Lane Trading Limited  
Champion Energy, LLC  
Champion Energy Marketing LLC

Champion Energy Services, LLC  
Chesapeake Transmission LLC  
Chief Conemaugh Power, LLC  
Chief Keystone Power, LLC  
Choice Energy, LLC dba 4 Choice Energy, LLC  
CIMA ENERGY SOLUTIONS, LLC  
Cincinnati Bell Energy, LLC  
Cinnamon Bay, LLC  
Citadel FNGE Ltd.  
Citigroup Energy Inc.  
Citizens' Electric Company of Lewisburg, PA  
City of Batavia, Illinois  
City of Cleveland, Department of Public Utilities, Division of Cleveland Public Power  
City of Dover, Delaware  
City of Geneva (The)  
City of Hamilton  
City of Philippi – West VA  
City of Rochelle  
CleanChoice Energy, Inc.  
Clean Energy Future, LLC  
Clean Energy Future – Lordstown, LLC  
CleanLight Power + Energy, LLC  
Clear Power LLC  
Cleveland Electric Illuminating Company  
CMS Energy Resource Management Company  
Coaltrain Energy LP  
Coastal Strategies, LLC  
Cognovi Analytics, LLC  
Collegiate Clean Energy, LLC  
Commonwealth Chesapeake Company, LLC  
Commonwealth Edison Company  
Community Energy, Inc.  
Connecticut Central Energy LLC  
ConocoPhillips Company  
Consolidated Edison Company of New York, Inc.  
Consolidated Edison Energy, Inc.  
Consolidated Edison Solutions, Inc.  
Constellation Energy Power Choice, LLC  
Constellation Energy Services, Inc.  
Constellation NewEnergy, Inc.  
Constellation Power Source Generation, LLC  
Consumer Protection and Advocate Division of the Tennessee Attorney General  
Consumers Energy Company  
Convergent Energy and Power LP  
Cordova Energy Company LLC  
Cork Oak Solar LLC

Cornerstone Gas, L.L.C.  
Corona Power LLC  
County of Frederick, VA  
Covanta Energy Group, LLC  
Covanta Essex Company  
Covanta Union, LLC  
CP Energy Marketing (US) Inc.  
CPV Fairview, LLC  
CPV MARYLAND, LLC  
CPV Power Holdings, LP  
CPV Shore, LLC  
Credit Suisse (USA), Inc.  
Crescent Ridge LLC  
Crete Energy Venture, LLC  
Cube Hydro Partners, LLC  
Cumulus Master Fund  
Current Power & Gas Inc.  
Customized Energy Solutions, Ltd.  
CWP Energy Inc.  
Cypress Creek Renewables, LLC  
Darby Energy, LLLP  
Darby Power, LLC  
Dart Container Corporation of Pennsylvania  
Dayton Power & Light Company (The)  
DC Energy LLC  
DC Energy Mid-Atlantic, LLC  
DCO Energy, LLC  
Decatur Energy Center, LLC  
Delaware Division of the Public Advocate  
Delaware Municipal Electric Corporation  
Delmarva Power & Light Company  
Denver Energy, LLC  
Devonshire Energy, LLC  
Diamond State Generation Partners, LLC  
Direct Energy Business, LLC  
Direct Energy Business Marketing, LLC  
Direct Energy Services, LLC  
Discount Power, Inc.  
Divine Power, Inc.  
Dominion Energy Fairless, LLC  
Dominion Energy Generation Marketing, Inc.  
Domtar Paper Company, LLC  
Doswell Limited Partnership  
Downes Associates, Inc.  
DPL Energy Resources, LLC  
Drift Marketplace, Inc.



DTE Energy Trading, Inc.  
Dufossat Capital I, LLC  
Duke-American Transmission Company, LLC  
Duke Energy Business Services, LLC  
Duke Energy Carolinas, LLC  
Duke Energy Commercial Enterprises, Inc.  
Duke Energy Florida, LLC  
Duke Energy Kentucky, Inc.  
Duke Energy Ohio, Inc.  
Duke Energy Progress, LLC  
Duke Energy Renewable Services, LLC  
Duquesne Conemaugh LLC  
Duquesne Keystone LLC  
Duquesne Light Company  
Duquesne Light Energy, LLC  
Duquesne Power LLC  
Dynamix Energy Services Company, LLC  
Dynasty Energy California Inc.  
Dynasty Energy Group LLC  
Dynasty North America Holdings Inc.  
Dynasty Power Inc.  
Dynergy Energy Services, LLC  
Dynergy Kendall Energy, LLC  
Dynergy Marketing and Trade, LLC  
Dynergy Power Marketing, LLC  
Eagle Creek Hydro Holdings, LLC  
Eagle Point Power Generation LLC  
Earth Networks, Inc.  
East Coast Power & Gas of New Jersey, LLC  
East Coast Power Linden Holdings, L.L.C.  
Eastern Generation, LLC  
Eastern Shore Solar LLC  
East Kentucky Power Cooperative, Inc.  
Easton Utilities Commission  
Ebensburg Power Company  
eCap Network, LLC  
Ecesis LLC  
EcoGrove Wind, LLC  
EDF Trading North America, LLC  
Edgecombe Genco, LLC  
EDP Energy Services, LLC  
EDP Renewables North America, LLC  
EF Kenilworth LLC  
EFS Parlin Holdings, LLC  
Elgin Energy Center, LLC  
Eligo Energy, LLC

Elliot Bay Energy Trading, LLC  
Elmagin Power Fund LLC  
Elmwood Park Power, LLC  
Elwood Energy LLC  
EMC Development Company, Inc.  
Emera Energy Services, Inc.  
Emporia Hydropower Limited Partnership  
ENBALA Power Networks, Inc.  
Endurance Energy Midwest LLC  
Enel Trading North America, LLC  
Enel X North America, Inc.  
ENERGIA Y SERVICIOS DEL ISTMO CENTROAMERICANO, S.A. DE C V. INC.  
Energy Authority, Inc. (The)  
Energy Consulting Services, LLC  
Energy Cooperative Association of Pennsylvania  
Energy Cooperative of America, Inc.  
EnergyHub, Inc.  
Energy Plus Holdings LLC  
Energy Power Investment Company, LLC  
Energy Service Providers, Inc.  
Energy Solutions Consortium Holdings, LLC  
Energy Technology Savings, Inc.  
Energy Transfer Retail Power, LLC  
Energy.me Midwest llc d/b/a energy.me  
Energya VM Gestion de Energia S.L.U.  
EnerPenn USA, LLC  
Enerwise Global Technologies, Inc.  
Engelhart CTP (US) LLC  
ENGIE Energy Marketing NA, Inc.  
ENGIE Resources LLC  
ENGIE Retail, LLC  
EnPowered USA Inc.  
Entrust Energy East, Inc.  
E.ON Climate & Renewables North America Inc.  
EPP Renewable Energy, LLC  
ESC Brook County Power I, LLC  
ESC Harrison County Power, LLC  
Essential Power OPP, LLC  
Essential Power Rock Springs, LLC  
ETC Endure Energy L.L.C.  
Evergreen Community Power  
Evergreen Gas & Electric, LLC  
EverPower Commercial Services, LLC  
Everyday Energy, LLC  
Exelon Business Services Company, LLC  
Exelon Generation Company, LLC

Falcon Energy, LLC  
Fantods LLC  
Fermata, LLC  
FirstEnergy Solutions Corp.  
First Point Power, LLC  
FiTran Fund LP  
Florey Knob Energy LLC  
Florida Power & Light Company  
Forest Investment Group, LLC  
Forked River Power LLC  
Fowler Ridge Wind Farm LLC  
Fowler Ridge II Wind Farm LLC  
Fowler Ridge III Wind Farm LLC  
Fowler Ridge IV Wind Farm LLC  
Franklin Power LLC  
Freepoint Commodities LLC  
Freepoint Energy Solutions LLC  
Fresh Air Energy XVIII, LLC  
Fresh Air Energy XXXV, LLC  
Frontier Utilities Northeast, LLC  
Future Power PA LLC  
G&G Energy, Inc.  
G&S Wantage Solar, LLC  
Galilean Electricae LLC  
Gallus Capital LLC  
Galt Power, Inc.  
Gavin Power, LLC  
GBE Energy Marketing Inc.  
GDF SUEZ Energy Resources NA, Inc.  
Geenex Solar LLC  
Genbright LLC  
Gen IV Investment Opportunities, LLC  
GenOn Energy Management, LLC  
GenOn Mid-Atlantic, LLC  
Gen Ops, LLC  
Geodesic 2 LLC  
Georgia Power Company  
Gerdau Ameristeel Energy, Inc  
GlidePath Power Operations LLC  
Grain Belt Express Clean Line LLC  
Grand Ridge Energy LLC  
Grand Ridge Energy II LLC  
Grand Ridge Energy III LLC  
Grand Ridge Energy IV LLC  
Grand Ridge Energy V LLC  
Grand Ridge Energy Storage, LLC

Granger Energy of Honey Brook, LLC  
Grays Ferry Cogeneration Partnership  
Great American Power, LLC  
Great Barrington Energy Fund LP  
Great Bay Energy III, LLC  
Great Falls Hydroelectric Company, Limited Partnership  
Green Energy NE LLC  
GreenHat Energy, LLC  
Greenlight Energy Inc.  
Green Mountain Energy Company  
Green River Holdings, LLC  
GRG ENERGY LLC  
Grid Power Direct, LLC  
Gridforce Energy Management, LLC  
Group628, LLC  
GSG, LLC  
GSG 6, LLC  
Guernsey Power Station LLC  
Gulf Power Company  
Guzman Energy LLC  
H.A. Wagner LLC  
H.Q. Energy Services (U.S.), Inc.  
Hagerstown Light Department  
Half Moon Ventures, LLC  
Handsome Lake Energy, LLC  
Harborside Energy, LLC  
Harrison REA, Inc. – Clarksburg, WV  
Hartree Partners, LP  
Hawks Nest Hydro LLC  
Hazle Spindle, LLC  
Hazleton Generation LLC  
Headwaters Wind Farm LLC  
Helix Ironwood, LLC  
Hemlock Solar, LLC  
Hemsworth Capital LP  
Hemsworth Capital Midwest LP  
Hexis Energy Trading, LLC  
Hickory Run Energy, LLC  
Highland North LLC  
High Resolution Energy, LLC  
High Trail Wind Farm LLC  
HIKO Energy, LLC  
Hill Energy Resource & Services, LLC  
Hill Top Energy Center, LLC  
Hilltopper Wind Power, LLC  
Holcim (US), Inc.

Holocene Finance, LLC  
Holtwood, LLC  
Homer City Generation, LP  
Hoosier Energy REC, Inc.  
Hop Bottom Energy LLC  
Horizon Energy Investments, Inc.  
Horizon Power and Light, LLC  
H-P Energy Resources, LLC  
Hudson Energy Services, LLC  
Hudson Transmission Partners, LLC  
HXNAir Solar One, LLC  
Icetec.com, Inc.  
Icetec Energy Services, Inc.  
IDT Energy, Inc.  
IHG Core Holdings, Ltd.  
Illinois Citizens Utility Board  
Illinois Municipal Electric Agency  
Illinois Power Marketing Company  
IMG Midstream LLC  
Incite Energy, LLC  
Indeck Niles, LLC  
Independence Energy Group, LLC  
Independent Energy Consultants, Inc.  
Indiana Michigan Power Company  
Indiana Municipal Power Agency  
Indiana Office of Utility Consumer Counselor (IN OUCC)  
Industrial Energy Users-Ohio  
Inertia Power I, LLC  
Ingenco Wholesale Power, LLC  
Innovari Market Solutions LLC  
Innoventive Power LLC  
Inspire Energy Holdings, LLC  
Intelligent Generation LLC  
International Paper Company  
Interstate Gas Supply, Inc.  
Interstate Power and Light Company  
Invenergy Energy Management LLC  
Invenergy LLC  
Invenergy Nelson LLC  
IPKeys Power Partners LLC  
ISO 1, LLC  
ITC Interconnection LLC  
ITC Mid-Atlantic Development LLC  
Jack Rich, Inc. d/b/a Anthracite Power & Light Company  
Jane Street Energy Trading, LLC  
J. Aron & Company LLC

Jersey-Atlantic Wind, LLC  
Jersey Central Power & Light Company  
Jersey Green Energy, LLC  
Joliet Battery Storage LLC  
Josco Energy IL LLC  
Josco Energy USA, LLC  
JP Morgan Ventures Energy Corporation  
JPTC, LLC  
Just Energy Solutions Inc.  
Kansas City Power & Light Company  
KDC Solar Green Power LLC  
Keni Energy LLC  
Kentucky Power Company  
Kestrel Acquisition, LLC  
KeyTex Energy LLC  
KeyTex Energy Solutions LLC  
KFW Energy, LLC  
Kimberly-Clark Corporation  
Kincaid Generation, LLC  
Kingsport Power Company  
Kiwi Energy NY LLC  
Kiyoshi Technologies, LLC  
KMC Thermo, LLC  
Koch Energy Services, LLC  
KOREnergy, Ltd.  
Krayn Wind LLC  
Kuehne Chemical Company, Inc.  
L&P Electric Inc., d/b/a Leggett & Platt Electric Inc.  
Lackawanna Energy Center LLC  
Lafayette Power LLC  
Lamarr Energy, LLC  
Lancaster County Solid Waste Management Authority  
Landaj Investment, LLC  
Land O'Lakes, Inc.  
Lantar Energy LLC  
Lawrenceberg Power, LLC  
Lee County Generating Station, LLC  
Lee River Proprietary Strategies, Inc.  
Leeward Asset Management, LLC  
Legacy Energy Group, LLC (The)  
Lehigh Portland Cement Company  
LEPPM, LLC  
Letterkenny Industrial Development Authority – PA  
Liberty Electric Power, LLC  
Liberty Power Corp., L.L.C.  
Liberty Power Delaware, LLC

Liberty Power District of Columbia LLC  
Liberty Power Holdings LLC  
Liberty Power Maryland, LLC  
LifeEnergy, LLC  
Lightstone Marketing LLC  
Lincoln Generating Facility, LLC  
Linde Energy Services, Inc.  
Linde, LLC  
Linden VFT LLC  
Links EP LLC  
LM Power, LLC  
LMP Research Inc.  
Long Island Lighting Company d/b/a LIPA  
Longview Power, LLC  
Louisville Gas and Electric Company/Kentucky Utilities Company  
Lower Electric, LLC  
Lower Mount Bethel Energy, LLC  
LQA, LLC  
LSC Communications US, LLC  
LSP University Park, LLC  
LTSTE Investments, LLC  
Lykins Oil Company d/b/a Lykins Energy Solutions  
Macquarie Energy, LLC  
Madison Gas and Electric Co.  
MAG Energy Solution, Inc.  
Mahoning Creek Hydroelectric Company, LLC  
Major Energy Electric Services, LLC  
Manatee Transmission LLC  
Mansfield Power and Gas, LLC  
Maple Analytics, LLC  
Marathon Power LLC  
Marina Energy, LLC  
Martins Creek, LLC  
Marubeni Power International, Inc.  
Marvel Energy, LP  
Maryland Office of People's Counsel  
Maryland Solar LLC  
Mattawoman Energy, LLC  
MC Squared Energy Services, LLC  
Meadow Lake Wind Farm, LLC  
Meadow Lake Wind Farm II, LLC  
Meadow Lake Wind Farm III, LLC  
Meadow Lake Wind Farm IV, LLC  
Meadow Lake Wind Farm V, LLC  
Meadow Lake Wind Farm VI LLC  
MeadWestvaco Corporation

Median Energy Corp.  
Median Energy IL LLC  
Median Energy PA LLC  
Mega Energy Holdings, LLC  
Mega Energy of Illinois, LLC  
MEG Generating Company, LLC  
Mehoopany Wind Energy LLC  
Mendota Hills, LLC  
Mercuria Energy America, Inc.  
Mercuria SJAK Trading, LLC  
Merrill Lynch Commodities, Inc.  
Metropolitan Edison Company  
Metropolitan Water Reclamation District of Greater Chicago  
Miami Valley Lighting, LLC  
Michigan Department of Attorney General, Environment, Natural Resources & Agriculture  
Division  
Michigan Public Power Agency  
Microsoft Corporation  
MidAmerican Energy Company  
MidAmerican Energy Services, LLC  
Mid-Atlantic Interstate Transmission, LLC  
MidAtlantic Power Partners, LLC  
Mid-Atlantic Renewable Energy Coalition  
Middlesex County Utilities Authorities  
Middlesex Energy Center, LLC  
Midwest Energy Trading East LLC  
Midwest Generation, LLC  
Milan Energy LLC  
Milford Solar LLC  
Mint Energy, LLC  
Mississippi Power Company  
Monmouth Energy, Inc.  
Monongahela Power Company d/b/a Allegheny Power  
Monterey MA, LLC  
Montour, LLC  
Montpelier Generating Station, LLC  
Monument Generating Station, LLC  
Morgan Stanley Capital Group Inc.  
Morgan Stanley Services Group Inc.  
Morris Cogeneration, L.L.C  
Mosaic Power, LLC  
Moundsville Power, LLC  
Moxie Freedom LLC  
MP2 Energy, LLC  
MP2 Energy NE, LLC  
MPCF I, LLC



MPower Energy NJ LLC  
Mt. Carmel Cogeneration Inc.  
MWD Trading, LLC  
NATGASCO d/b/a/ Supreme Energy, Inc.  
National Gas & Electric, LLC  
Nautilus Power, LLC  
Nautilus Solar Energy, LLC  
NDC Partners, LLC  
NedPower Mount Storm, LLC  
NEPM II, LLC  
Neptune Regional Transmission System, LLC  
NERC-Middlesex Solar I, LLC  
Newark Energy Center, LLC  
New Covert Generating Company, LLC  
New Creek Wind LLC  
New Jersey Division of the Ratepayer Advocate  
New Jersey Transit Corporation  
New Wave Energy Corp  
New York Power Authority  
New York State Electric & Gas Corporation  
Newark Bay Cogeneration Partnership, L.P.  
NextEra Energy Bluff Point, LLC  
NextEra Energy Marketing, LLC  
NextEra Energy Services Illinois, LLC  
NextEra Energy Services New Jersey, LLC  
NextEra Energy Transmission, LLC  
NextEra Energy Transmission MidAtlantic, LLC  
Nexus Energy Inc.  
Nittany Energy, LLC  
NJR Clean Energy Ventures Corporation  
NJR Clean Energy Ventures II Corporation  
NJR Clean Energy Ventures III Corporation  
Nordic Energy Services LLC  
North American Power and Gas, LLC  
North Carolina Electric Membership Corporation  
North Carolina Municipal Power Agency Number 1  
North Hanover Solar W2-082, LLC  
Northampton Generating Company, L.P.  
Northeastern REMC  
Northeast Maryland Waste Disposal Authority  
Northern Illinois Municipal Power Agency  
Northern Indiana Public Service Company  
Northern States Power Company  
Northern Virginia Electric Cooperative - NOVEC  
NorthPoint Energy Solutions, Inc.  
Northstar Trading Ltd.

NRG Curtailment Solutions, Inc.  
NRG Potomac River LLC  
NRG Power Marketing, LLC  
NRG Power Midwest LP  
NRG REMA LLC  
NRGStream LLC  
NTE Carolinas, LLC  
NTE Ohio, LLC  
NTherm, LLC  
NuEnergen, LLC  
Oasis Power, LLC dba Oasis Energy  
OCI Solar Power, LLC  
Office of the Attorney General, Kentucky  
Office of the People's Counsel for the District of Columbia  
O.H. Hutchings CT, LLC  
Ohio Consumer's Counsel  
Ohio Edison Company  
Ohio Power Company  
Ohio River Partners Shareholder LLC  
Ohio Valley Electric Corporation  
OhmConnect, Inc.  
Old Dominion Electric Cooperative  
Olympus Power, LLC  
One Energy Enterprises LLC  
Ontario Power Generation Energy Trading, Inc.  
Ontario Power Generation Inc.  
Ontelaunee Power Operating Company  
Oregon Clean Energy, LLC  
Osaka Gas USA Corporation  
Owensboro Municipal Utilities  
Oxbow Creek Energy LLC  
Oxford Energy Services, LLC  
Ozark International, Inc.  
Pacific Summit Energy LLC  
Palmco Power DC, LLC  
PALMco Power DE, LLC  
Palmco Power IL, LLC  
Palmco Power MD, LLC  
Palmco Power NJ, LLC  
Palmco Power OH, LLC  
Palmco Power PA, LLC  
PALMco Power VA, LLC  
Panda Hummel Station LLC  
Panda Liberty LLC  
Panda Patriot LLC  
Panda Stonewall LLC

Panther Creek Power Operating, LLC  
Park Power LLC  
PATH Allegheny Transmission Company, LLC  
PATH West Virginia Transmission Company, LLC  
Patton Wind Farm, LLC  
Paulding Wind Farm II LLC  
Paulding Wind Farm III LLC  
Pay Less Energy, LLC  
PBF Power Marketing, LLC  
PECO Energy Company  
Pedricktown Cogeneration Company LP  
Pegasus Energy Futures LLC  
PEI Power Corporation  
PEI Power II, LLC  
Peninsula Power, LLC  
Penncat Corporation  
Pennonni Associates Inc.  
Pennsylvania Electric Company  
Pennsylvania Grain Processing LLC  
Pennsylvania Office of Consumer Advocate  
Pennsylvania Power Company  
Pennsylvania Renewable Resources, Associates  
Pharentram Energy Services, Ltd.  
P.H. Glatfelter Company  
Philadelphia Energy Solutions Refining and Marketing LLC  
Piedmont Energy Fund, L.P.  
Pilot Power Group, Inc.  
Pine Hill Energy LLC  
Pinnacle Power LLC  
Plant-E Corp.  
Plymouth Rock Energy, LLC  
Portsmouth Genco, LLC  
Potomac Edison Company (The) d/b/a Allegheny Power  
Potomac Electric Power Company  
Power Engineers, Incorporated  
Power Supply Services, LLC  
Power Up Energy, LLC  
PPGI Fund A/B Development, LLC  
PPL Electric Utilities Corporation dba PPL Utilities  
Prairieland Energy, Inc.  
Praxair, Inc.  
Precept Power LLC  
Presto Energy, LLC  
Prime Trading, LLC  
Procter & Gamble Paper Products Company (The)  
Property Endeavors LLC

Providence Heights Wind, LLC  
Provision Power and Gas, LLC  
PSEG Energy Resources & Trade LLC  
PSEG Energy Solutions LLC  
PSEG Fossil LLC  
PSEG Nuclear LLC  
Public Service Electric and Gas Company  
Public Staff – North Carolina Utilities Commission  
Pure Energy, Inc.  
Pure Energy USA IL, LLC  
Pure Energy USA, LLC  
QPH CAPITAL, LLC  
Quasar Energy Group, LLC  
Quattro Energy LP  
R2M Technologies Inc.  
Radford's Run Wind Farm, LLC  
Rainbow Energy Marketing Corporation  
Rainbow Energy Ventures LLC  
Rausch Creek Electric Power Holdings, LLC  
Raven Power Marketing LLC  
RC Cape May Holdings, LLC  
Realgy, LLC  
Red Glen Energy LLC  
Red Oak Power, LLC  
Red Wolf PT, LLC  
Reliant Energy Northeast, LLC  
Renaissance Power, LLC  
Renaissance Power & Gas, Inc.  
Renergy Inc.  
Renewable Energy Aggregators Inc.  
Rensselaer Generating LLC  
RES America Developments Inc.  
ResCom Energy, LLC  
Residents Energy, L.L.C.  
Respond Power, LLC  
Richland-Stryker Generation LLC  
RI-Corp. Development, Inc.  
Ringer Hill Wind, LLC  
Riverside Generating Company, L.L.C.  
Robinson Power Company, LLC  
Robison Energy (Commercial) LLC  
Rochester Gas and Electric Corporation  
Rockfish Solar LLC  
Rock Island Clean Line LLC  
Rockland Electric Company  
Rocky Road Power, LLC

Rolling Hills Generating, L.L.C.  
Roseton Generating LLC  
Roth Rock Wind Farm, LLC  
Roundtop Energy LLC  
Royal Bank of Canada  
RPA Energy, Inc.  
R.R. Donnelley & Sons Company  
RRI Energy Services, LLC  
RRI Energy Solutions East, LLC  
RTP Controls, Inc  
RTR Energy Solutions LLC  
Rushmore Energy, LLC (new).  
Safe Harbor Water Power Corporation  
Safeway Inc.  
Sanford Energy Associates, LLC  
Sanitas Power, LLC  
Santanna Energy Services  
Sapphire Power Marketing LLC  
Saracen Energy East LP  
Saracen Energy Midwest LP  
Saracen Energy West LP  
Saracen Power LP  
Saugatuck River Power Trading LLC  
Schuylkill Energy Resources, Inc.  
Scrubgrass Generating Company, L.P.  
Scylla Energy LLC  
Seneca Trading LLC  
SESCO ENTERPRISES LLC  
Seven Islands Environmental Solutions, LLC  
Severn River Power LLC  
Seward Generation, LLC  
SFE Energy Pennsylvania, Inc.  
SFE Energy, Inc.  
SFE Energy NJ, Inc.  
Shell Energy North America (U.S.), L.P.  
Shepard's Neck Point LLC  
Shipley Choice LLC  
Sidney, LLC  
Siemens Industry, Inc.  
Silver Run Electric, LLC  
S.J. Energy Partners, Inc.  
SmartEnergy Holdings, LLC  
Smart Wires Inc.  
SNC-Lavalin Constructors, Inc.  
Solios Power Mid-Atlantic Trading, LLC  
Solios Power Mid-Atlantic Virtual LLC

Source Power & Gas LLC  
Southampton Solar LLC  
South Bay Energy Corp.  
South Carolina Electric & Gas Company  
Southeastern Chester County Refuse Authority  
Southeastern Power Administration  
Southern Indian Gas and Electric Company d/b/a Vectren Power Supply Inc.  
Southern Maryland Electric Cooperative, Inc.  
Southern Power Company  
South Field Energy LLC  
South Jersey Energy Company  
Spark Energy, LLC  
Sperian Energy Corp  
sPower Energy Marketing, LLC  
Spring Energy RRH, LLC dba Spring Power & GasSpruance Genco, LLC  
Spruce Power Trading, LLCStandard Gas & Electric, LLC  
Star Energy Partners LLC  
Starion Energy PA, Inc.  
STATARB INVESTMENTS LLC  
St. Joseph Energy Center, LLC  
Stoney Creek Wind Farm, LLC

Stream Energy Columbia, LLC  
Stream Energy Delaware, LLC  
Stream Energy Illinois, LLC  
Stream Energy Maryland, LLC  
Stream Energy New Jersey, LLC  
Stream Energy Pennsylvania, LLC  
Stream Ohio Gas & Electric, LLC  
Strom Power, LLC  
Suffolk Fund LLC  
Summer Energy Midwest, LLC  
Summit Farms Solar, LLC  
SunCoke Energy, Inc  
Sunflower Solar LLC  
SunSea Energy, LLC  
Sunshaw Power Trading, LLC  
Sun Tribe Solar, LLC  
Sunwave USA Holdings Inc.  
Susquehanna Nuclear, LLC  
Sustaining Power Solutions LLC  
Switch Energy, LLC  
Syncarpha Solar, LLC  
Tait Electric Generating Station, LLC  
Talen Energy Marketing, LLC  
Taller Cube, LLC

Tangent Energy Solutions, Inc.  
TAQA Gen X LLC  
Tatanka Wind Power, LLC  
TEC Energy Inc.  
TEC Trading, Inc.  
Tenaska Pennsylvania Partners, LLC  
Tenaska Power Management, LLC  
Tenaska Power Services Co.  
Tenaska Virginia Partners, L.P.  
Tennessee Valley Authority (The)  
Texas Retail Energy, LLC  
The Hartz Group  
The Highlands Energy Group, LLC  
THG Energy Solutions, LLC  
Thordin ApS  
Thurmont Municipal Light Company  
Tidal Energy Marketing Inc.  
Tilton Energy, LLC  
Tios Capital, LLC  
Titan Gas and Power  
Toledo Edison Company (The)  
Torofino Trading, LLC  
Town of Berlin, Maryland  
Town of Williamsport  
Town Square Energy East, LLC  
Tradewind Energy, Inc.  
TrailStone Power, LLC  
Trane Grid Services LLC  
Trans-Allegheny Interstate Line Company  
TransAlta Energy Marketing (US) Inc.  
TransCanada Power Marketing, Ltd.  
TranSource, LLC  
Transource Energy, LLC  
Transource Maryland, LLC  
Transource Pennsylvania, LLC  
Transource West Virginia, LLC  
Tri-County Rural Electric Cooperative, Inc.  
Trident Retail Energy, LLC  
TriEagle Energy, LP  
Triolith Energy Fund, LP  
Trishe Wind Ohio, LLC  
TrueLight Commodities, LLC  
TrueLight Energy Fund, LP  
Trustees of the University of Pennsylvania  
Twin Eagle Resource Management, LLC  
Tyne Hill Investments LP

UGI Development Company  
UGI Energy Services, LLC  
UGI Utilities, Inc.  
Uncia Energy LP – Series B  
Union Electric Company d/b/a Ameren Missouri  
Uniper Global Commodities North America, LLC  
University Park Energy, LLC  
V3 Commodities Group, LLC  
VCIOM, LLC  
VECO Power Trading, LLC  
Velocity American Energy Master I, LP  
Verde Energy USA DC, LLC  
Verde Energy USA Illinois, LLC  
Verde Energy USA Maryland, LLC  
Verde Energy USA Ohio, LLC  
Verde Energy USA, Inc.  
Victory Financial Management, Ltd.  
Vineland Municipal Electric Utility  
Virginia Division of Consumer Counsel  
Virginia Electric and Power Company  
Virginia Solar 2017 Projects LLC  
Virginia State Corporation Commission  
Viridian Energy PA, LLC  
Viridity Energy Solutions Inc.  
Vista Energy Marketing, L.P.  
Vitol, Inc.  
Voltus, Inc.  
Wabash Valley Power Association, Inc.  
Volunteer Energy Services, Inc.  
Walnut Ridge Wind, LLC  
Walleye Power, LLC  
Waterford Power, LLC  
Wellsboro Electric Company  
Westar Energy, Inc.  
West Chicago Battery Storage LLC  
West Deptford Energy II, LLC  
West Deptford Energy, LLC  
Western Reserve Energy Services, LLC  
West Penn Power Company d/b/a Allegheny Power  
West Virginia Consumer Advocate Division  
WGL Energy Services, Inc.  
Wheelabrator Baltimore, L.P.  
Wheelabrator Falls Inc.  
Wheelabrator Frackville Energy Co Inc.  
Wheelabrator Gloucester Company, L.P.  
Wheelabrator Portsmouth, Inc.



Wheeling Power Company  
Whitney Hill Wind Power, LLC  
Wildcat Wind Farm I, LLC  
Willey Battery Utility, LLC  
Wisconsin Power and Light Company  
WM Renewable Energy, LLC  
Wolf Hills Energy, LLC  
Wolf Run Energy LLC  
Wolverine Holdings, L.P.  
Wolverine Power Supply Cooperative, Inc.  
Wolverine Trading, LLC  
World Fuel Services, Inc.  
WPPI Energy  
Wrighter Energy LLC  
Wyandot Solar LLC  
Wylan Energy, L.L.C.  
XO Energy MA, LP  
XO Energy MA2, LP  
XO Energy MA3, LP  
XO Energy NY2 LP  
Xoom Energy Maryland, LLC  
Xoom Energy New Jersey, LLC  
XOOM Energy Ohio, LLC  
XOOM Energy Washington D.C., LLC  
Xoom Energy, LLC  
XYZ Consulting LLC  
Yankee Street, LLC  
Yellow Jacket Energy, LLC  
Yes Energy LLC  
York County Solid Waste and Refuse Authority  
York Generation Company LLC  
York Haven Power Company, LLC  
ZF Energy Development, LLC  
Zongyi Solar America Co. Ltd.

Section(s) of the  
PJM Reliability Assurance Agreement  
(Clean Format)

## SCHEDULE 17

### PARTIES TO THE RELIABILITY ASSURANCE AGREEMENT

This Schedule sets forth the Parties to the Agreement:

Abest Power & Gas, LLC  
AEP Energy, Inc.  
AEP Retail Energy Partners LLC  
AES Ohio Generation, LLC  
Agera Energy LLC  
Aggressive Energy LLC  
Agway Energy Services, LLC  
Algonquin Energy Services Inc.  
All American Power and Gas, LLC  
Allegheny Electric Cooperative, Inc.  
Allegheny Energy Supply Company, L.L.C.  
Alpaca Energy LLC  
Alpha Gas and Electric LLC  
Ambit Northeast, LLC  
American Electric Power Service Corporation on behalf of its affiliates:  
    Appalachian Power Company  
    Indiana Michigan Power Company  
    Kentucky Power Company  
    Kingsport Power Company  
    Ohio Power Company  
    Wheeling Power Company.  
American Municipal Power, Inc.  
American Power & Gas of IL, LLC  
American Power & Gas of MD, LLC  
American Power & Gas of NJ, LLC  
American Power & Gas of Ohio, LLC  
American Power & Gas of Pennsylvania, LLC  
American Power Partners LLC  
American PowerNet Management, L.P.  
American Transmission Systems, Inc.  
AP Gas and Electric (PA), LLC  
APN Starfirst, LP  
Approved Energy II LLC  
Archer Energy, LLC  
ArcelorMittal USA LLC  
Arrow Energy RRH, LLC  
Astral Energy LLC  
Atlantic City Electric Company  
Atlantic Energy MD, LLC  
Avangrid Renewables, LLC

Baltimore Gas and Electric Company  
Baltimore Power Company LLC  
Barclays Capital Services, Inc  
Bativa, IL (City of)  
BBPC LLC d/b/a Great Eastern Energy  
Blackstone Wind Farm, LLC  
Blue Ridge Power Agency, Inc.  
BlueRock Energy, Inc.  
Borough of Butler, Butler Electric Division  
Borough of Chambersburg  
Borough of Columbia, PA  
Borough of Lavallette, New Jersey  
Borough of Milltown  
Borough of Mont Alto, PA  
Borough of Park Ridge, New Jersey  
Borough of Pemberton  
Borough of Pitcairn, Pennsylvania  
Borough of Seaside Heights, New Jersey  
Borough of South River, New Jersey  
Boston Energy Trading and Marketing LLC  
BP Energy Company  
Brighten Energy LLC  
Brookfield Renewable Energy Marketing US LLC  
BTG Pactual Commodities (US) LLC  
Capital Energy, LLC  
Calpine Energy Service, L.P.  
Calpine Energy Solutions, LLC  
Cargill Power Markets LLC  
Central Virginia Electric Cooperative  
Centre Lane Trading Limited  
Champion Energy Marketing LLC  
Champion Energy, LLC  
Choice Energy, LLC dba 4 Choice Energy, LLC  
Cincinnati Bell Energy, LLC  
Citigroup Energy Inc.  
Citizens' Electric Company of Lewisburg, PA  
City of Cleveland, Department of Public Utilities, Division of Cleveland Public Power  
City of Dover, Delaware  
City of New Martinsville - WV  
City of Philippi - West VA  
City of Rochelle  
Cleveland Electric Illuminating Company  
Collegiate Clean Energy, LLC  
Commonwealth Edison Company  
ConocoPhillips Company  
Consolidated Edison Energy, Inc.

Consolidated Edison Solutions, Inc.  
Constellation Energy Power Choice, LLC  
Constellation Energy Services, Inc.  
Constellation NewEnergy, Inc.  
Constellation Power Source Generation, LLC  
Credit Suisse (USA), Inc.  
Current Power & Gas Inc.  
Dayton Power & Light Company (The)  
DC Energy LLC  
Delaware Municipal Electric Corporation  
Delmarva Power & Light Company  
Denver Energy, LLC  
Devonshire Energy LLC  
Direct Energy Business, LLC  
Direct Energy Business Marketing, LLC  
Direct Energy Services, LLC  
Discount Power, Inc.  
Downes Associates, Inc.  
DPL Energy Resources, Inc.  
DTE Energy Trading, Inc.  
Duke Energy Kentucky, Inc.  
Duke Energy Ohio, Inc.  
Duquesne Light Company  
Duquesne Light Energy, LLC  
Dynergy Energy Services, LLC  
Dynergy Kendall Energy, LLC  
Dynergy Marketing and Trade, LLC  
East Coast Power & Gas of New Jersey, LLC  
East Kentucky Power Cooperative, Inc.  
Easton Utilities Commission  
EDF Energy Services, LLC  
EDF Trading North America, LLC  
Eligio Energy, LLC  
Energetix, Inc.  
Energy Cooperative Association of Pennsylvania (The)  
Energy Cooperative of America, Inc.  
Energy Plus Holdings LLC  
Energy Services Providers, Inc.  
Energy Technology Savings, Inc.  
Energy Transfer Retail Power, LLC  
Energy.me Midwest llc d/b/a energy.me  
EnerPenn USA, LLC  
Engie Energy Marketing NA, Inc.  
ENGIE Retail, LLC  
EnPowered USA Inc.  
Entrust Energy East, Inc.

Evergreen Gas & Electric, LLC  
Everyday Energy, LLC  
Exelon Generation Co., LLC  
First Point Power, LLC  
FirstEnergy Solutions Corp.  
Freepoint Energy Solutions LLC  
Frontier Utilities Northeast, LLC  
Front Royal (Town of)  
Galt Power Inc.  
GenOn Power Midwest, LP  
Gerdau Ameristeel Energy, Inc.  
Great American Power, LLC  
Greenlight Energy Inc.  
Green Mountain Energy Company  
Hagerstown Light Department  
Harborside Energy, LLC  
Harrison REA, Inc. - Clarksburg, WV  
Hartee Parnters, LP  
HIKO Energy, LLC  
Holcim (US) Inc.  
Hoosier Energy REC, Inc.  
Hudson Energy Services, LLC  
IDT Energy, Inc.  
Illinois Municipal Electric Agency  
Illinois Power Marketing Company  
Inspire Energy Holdings, LLC  
Interstate Gas Supply, Inc.  
J.P. Morgan Ventures Energy Corporation  
Jack Rich, Inc. d/b/a Anthracite Power & Light Company  
J. Aron & Company LLC  
Jersey Central Power & Light Company  
Josco Energy USA, LLC  
Just Energy Solutions Inc.  
Kiwi Energy NY LLC  
Kuehne Chemical Company, Inc.  
L & P Electric Inc., d/b/a Leggett & Platt Electric Inc.  
Lamarr Energy, LLC  
Land O'Lakes, Inc.  
Liberty Power Corp., L.L.C.  
Liberty Power Delaware LLC  
Liberty Power Holdings LLC  
LifeEnergy, LLC  
Linde Energy Services, Inc.  
Lower Electric, LLC  
LSC Communications US, LLC  
Lykins Oil Company d/b/a Lykins Energy Solutions

Macquarie Cook Energy LLC  
Mansfield Power and Gas, LLC  
Major Energy Electric Services LLC  
MC Squared Energy Services, LLC  
Meadow Lake Wind Farm LLC  
Meadow Lake Wind Farm II LLC  
Meadow Lake Wind Farm III LLC  
Meadow Lake Wind Farm IV LLC  
MeadWestvaco Corporation  
Median Energy Corp.  
Median Energy PA LLC  
Mega Energy Holdings, LLC  
Mercuria Energy America, Inc.  
Metropolitan Edison Company  
MidAmerican Energy Company  
MidAmerican Energy Services, LLC  
Mint Energy, LLC  
Morgan Stanley Capital Group, Inc.  
Morgan Stanley Services Group Inc.  
MP2 Energy NE, LLC  
MPower NJ LLC  
NATGASCO d/b/a/ Supreme Energy, Inc.  
National Gas & Electric, LLC  
NextEra Energy Marketing, LLC  
Nextera Energy Services New Jersey, LLC  
Nextera Energy Services, Illinois, LLC  
Nittany Energy, LLC  
Nordic Energy Services LLC  
North American Power and Gas LLC.  
North Carolina Electric Membership Corporation  
North Carolina Municipal Power Agency Number 1  
Northeastern REMC  
Northern States Power Company  
Northern Virginia Electric Cooperative – NOVEC  
NRG Power Marketing, L.L.C.  
Oasis Power, LLC dba Oasis Energy  
Ohio Edison Company  
Ohio Valley Electric Corporation  
Old Dominion Electric Cooperative  
Oxford Energy Services, LLC  
Palmco Power DC, LLC  
PALMco Power DE, LLC  
Palmco Power IL, LLC  
Palmco Power MD, LLC  
Palmco Power NJ, LLC  
Palmco Power OH, LLC

Palmco Power PA, LLC  
PALMco Power VA, LLC  
Park Power LLC  
Pay Less Energy, LLC  
PBF Power Marketing LLC  
PECO Energy Company  
Pennsylvania Electric Company  
Pennsylvania Grain Processing LLC  
Pennsylvania Power Company  
PEPCO Energy Services, Inc.  
Pinnacle Power LLC  
Plymouth Rock Energy, LLC  
Potomac Electric Power Company  
PPL Electric Utilities Corporation d/b/a PPL Utilities  
Prairieland Energy, Inc.  
Presto Energy, LLC  
Provision Power and Gas, LLC  
PSEG Energy Resources & Trade LLC  
PSEG Energy Solutions LLC  
Public Service Electric & Gas Company  
Pure Energy USA IL, LLC  
Pure Energy USA, LLC  
Realgy, LLC  
Red Oak Power, LLC  
Renaissance Power & Gas, Inc.  
ResCom Energy, LLC  
Residents Energy, L.L.C.  
Respond Power LLC  
Riverside Generating, LLC  
Rolling Hills Generating, LLC  
RPA Energy, Inc.  
R.R. Donnelley & Sons Company  
RRI Energy Services, LLC  
RRI Energy Solutions East, LLC  
Rushmore Energy, LLC (new)  
S.J. Energy Partners, Inc.  
Sanford Energy Associates, LLC d/b/a Powervine Energy  
Santanna Energy Services  
SFE Energy, Inc.  
SFE Energy NJ, Inc.  
Shipley Choice LLC  
Solios Power Mid-Atlantic Trading LLC  
Source Power & Gas LLC  
South Bay Energy Corp.  
South Jersey Energy Company  
Southeastern Power Administration



Southern Indiana Gas & Electric  
Southern Maryland Electric Cooperative, Inc.  
Spark Energy, LLC  
Sperian Energy Corp  
Spring Energy RRH, LLC dba Spring Power & Gas  
Standard Gas & Electric, LLC  
Star Energy Partners LLC  
Starion Energy PA Inc.  
Stream Energy Columbia, LLC  
Stream Energy Delaware, LLC  
Stream Energy Illinois, LLC  
Stream Energy Maryland, LLC  
Stream Energy New Jersey, LLC  
Stream Energy Pennsylvania, LLC  
Stream Ohio Gas & Electric, LLC  
Summer Energy Midwest, LLC  
Switch Energy, LLC  
Talen Energy Marketing, LLC  
Tenaska Power Services Co.  
Texas Retail Energy, LLC  
Thurmont Municipal Light Company  
Tidal Energy Marketing Inc.  
Titan Gas and Power  
Toledo Edison Company (The)  
Town of Berlin, Maryland  
Town of Williamsport  
Town Square Energy East, LLC  
TransAlta Energy Marketing (U.S.) Inc.  
TransCanada Power Marketing Ltd.  
Tri-County Rural Electric Cooperative, Inc.  
Trident Retail Energy, LLC  
TriEagle Energy, LP  
Trustees of the University of Pennsylvania  
Twin Eagle Resource Management, LLC  
UGI Energy Services, LLC  
UGI Utilities, Inc. - Electric Division  
Verde Energy USA DC, LLC  
Verde Energy USA Illinois, LLC  
Verde Energy USA Maryland, LLC  
Verde Energy USA Ohio, LLC  
Verde Energy USA, Inc.  
Vineland Municipal Electric Utility (City of Vineland)  
Virginia Electric & Power Company  
Viridian Energy PA LLC  
Vista Energy Marketing, L.P.  
Wabash Valley Power Association, Inc.

Wellsboro Electric Company  
West Penn Power Company d/b/a Allegheny Power  
WGL Energy Services, Inc.  
Wolverine Holdings, L.P.  
Wolverine Power Supply Cooperative, Inc.  
Xoom Energy Maryland, LLC  
Xoom Energy New Jersey, LLC  
XOOM Energy Ohio, LLC  
Xoom Energy, LLC  
York Generation Company, LLC

# **Attachment C**

List of Member Withdrawals  
(with effective dates)

**PJM Interconnection, LLC**  
**Withdrawn Members**  
**October 1, 2018 through December 31, 2018**

<u>Company Name</u>	<u>Termination Date</u>
HSBC Technology & Services (USA), Inc.	10/21/2018
EnergyConnect, Inc.	10/23/2018
Oceanside Power, LLC	11/4/2018
Mineral Point Energy LLC	11/6/2018
Niles Valley Energy LLC	11/6/2018
Holdridge Energy LLC	11/6/2018
Stourbridge Energy LLC	11/6/2018
VCharge, Inc.	11/6/2018
Virtual Power Hedging, LLC	11/6/2018
Bluegrass Generating Company, LLC	11/7/2018
National Choice Energy, LLC	11/11/2018
Cogen Technologies Linden Venture L.P.	11/11/2018
James River Genco, LLC	11/12/2018
Cogentrix Virginia Financing Holding Company, LLC	11/12/2018
Indeck Energy Services, Inc.	11/12/2018
Eagle's View Partners, Ltd.	11/13/2018
City of New Martinsville, West Virginia	11/19/2018
TERM Power & Gas, LLC	11/22/2018
Ioway Energy, LLC	11/22/2018
Wisconsin Electric Power Company	12/4/2018
Town of Front Royal, Virginia	12/4/2018
Bargain Energy, LLC	12/4/2018
Occidental Power Services, Inc.	12/5/2018
Perdisco Trading, LLC	12/17/2018
Capacity Energy Solutions, LLC	12/30/2018
Global Energy, LLC	5/29/2018

# **Attachment D**

List of New Members  
(with effective dates)

**PJM Interconnection, LLC**  
**New Members**  
**October 1, 2018 through December 31, 2018**

<u>Company Name</u>	<u>Membership Effective</u>
AMP Transmission, LLC	10/5/2018
NTherm, LLC	10/9/2018
ADG Group Inc.	10/16/2018
Avangrid Networks, Inc.	10/19/2018
Dominion Energy Fairless, LLC	11/8/2018
Geenex Solar LLC	11/26/2018
FiTran Fund LP	12/4/2018

# **Attachment E**

List of Member Corporate Name Changes  
(with effective dates)

**PJM Interconnection, LLC  
Member Corporate Name Changes  
October 1, 2018 through December 31, 2018**

<b><u>New Company Name</u></b>	<b><u>Previous Company Name</u></b>	<b><u>Effective Date</u></b>
Silver Run Electric, LLC	Northeast Transmission Development, LLC	10/5/2018
Helix Ironwood, LLC	TC Ironwood LLC	10/16/2018
Enel X North America, Inc.	EnerNOC, Inc.	10/22/2018
Summer Energy Midwest, LLC	Summer Energy of Ohio LLC	11/26/2018



# **Attachment F**

List of New Parties to PJM Reliability Assurance  
Agreement  
(with effective dates)

**PJM Interconnection, LLC  
New Parties to the RAA  
October 1, 2018 through December 31, 2018**

<b><u>Company Name</u></b>	<b><u>RAA Execution Date</u></b>
Avangrid Renewables, LLC	11/13/2018
EnPowered USA Inc.	12/21/2018