



PJM Interconnection, L.L.C.
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April 29, 2019

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. ER19-1699-000
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")¹ 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Load Serving Entities in the PJM Region ("RAA"), Schedule 17, to update these lists to include new members, remove withdrawn members, reflect the signatories to the RAA, and reflect corporate name changes for the first quarter of 2019 beginning January 1, 2019 and ending March 31, 2019.

¹ 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. BACKGROUND

On December 6, 2002, as revised December 20, 2002, PJM filed amendments to the “Membership Requirements” provisions of the Operating Agreement (1) to delete the requirement that the Additional Member Agreements executed by new PJM Members be filed with the Commission; and (2) to permit entities to become PJM Members effective as of the date the Additional Members Agreements are countersigned by the president of PJM, rather than a date specified by the Commission.² PJM also added Operating Agreement, Schedule 12 that lists all current PJM Members.³ The Commission accepted the December 6 Filing by order dated February 21, 2003.⁴

II. 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all the current PJM Members and includes updates to reflect (1) the addition of new PJM Members; (2) the removal of withdrawn PJM Members; and (3) PJM Members’ corporate name changes up to, and including, March 31, 2019. Additionally, this filing includes ministerial clerical revisions to Operating Agreement, Schedule 12 to ensure that all members are listed in alphabetical order. 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 March 31, 2019.

² See, PJM Transmittal Letter, Docket No. ER03-254-000, at 1 (December 6, 2002 (“December 6 Filing”).

³ December 6 Filing at 2.

⁴ *PJM Interconnection, L.L.C.*, 102 FERC ¶ 61,191 (2003).

B. 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 Operating Agreement, section 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 Operating Agreement, 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 Membership ninety days prior to the effective date noted for the respective entity as shown in Attachment C.

III. WAIVER AND EFFECTIVE DATE

PJM requests a waiver of the Commission's notice requirements to permit a March 31, 2019 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.*, March 31, 2019). 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.

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:

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Vice President–Federal Government Policy
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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 regulations⁵ pursuant to Order No. 714⁶ and the Commission's Notice of Effectiveness of Regulations issued on October

⁵ See, 18 C.F.R. §§ 35.2, 154.2, 154.208 and 341.2.

⁶ *Electronic Tariff Filings*, Order No. 714, 124 FERC ¶ 61,270 (2008).

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 Region⁷ 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 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

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

Steven R. Pincus
Associate General Counsel
PJM Interconnection, L.L.C.

⁷ PJM already maintains, updates, and regularly uses e-mail lists for all PJM Members and affected commissions.

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.
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
Brookfield Renewable Trading and Marketing LP
Bruce Power Inc.
Brunner Island, LLC
Buckeye Power, Inc.
C4GT LLC
~~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 Energy Marketing LLC
Covanta Essex Company
Covanta Union, LLC
C.P. Crane 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

DXT Commodities North America 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
[Emporia Renewable Energy Corp](#)
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 Center Dover LLC](#)
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
~~[Energysa 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
[Fairless Energy, L.L.C.](#)
~~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.
Genex 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
Gravity Renewables, Inc.
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
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

Innogy Energy Services LLC

Innovari Market Solutions LLC
Innoventive Power LLC

Inspire Energy Holdings, LLC

Integrated Energy Services, 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 Municipal Energy Agency](#)
Kentucky Power Company
[Kentucky Power Trading LLC \(dba Kentucky Energy Trading Co.\)](#)
Kestrel Acquisition, LLC
[-KeyCon Power Holdings 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.
[kWantix Trading Fund I, LP](#)
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
Main Line Generation, 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
[Northland Power Energy Marketing \(US\) Inc.](#)
NorthPoint Energy Solutions, Inc.
Northstar Trading Ltd.
[Northwest Ohio Wind, LLC](#)
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
Pennoni 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
Pixelle Specialty Solutions 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)
[Tomorrow Energy Corp](#)
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
(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
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
[Convanta Energy Group, LLC](#)
[Convanta Energy Marketing 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.
[nTherm, LLC](#)
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
Power UP Energy, LLC
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
SunSea Energy 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)
Tomorrow Energy Corp
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 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.
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 PowerNet Management, L.P.
American Transmission Systems 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
Brookfield Renewable Trading and Marketing LP
Bruce Power Inc.
Brunner Island, LLC
Buckeye Power, Inc.
C4GT 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
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 Energy Marketing LLC
Covanta Essex Company
Covanta Union, LLC
C.P. Crane 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 Generation Marketing, Inc.
Domtar Paper Company, LLC
Doswell Limited Partnership
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 Light Company
Duquesne Light Energy, LLC
Duquesne Power LLC
DXT Commodities North America 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
Emporia Renewable Energy Corp
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 Center Dover LLC
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
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
Fairless Energy, L.L.C.
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
Gravity Renewables, Inc.
Grays Ferry Cogeneration Partnership

Great American Power, LLC
Great Barrington Energy Fund LP
Great Falls Hydroelectric Company, Limited Partnership
Green Energy NE 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. – Clarkesburg, 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 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
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
Innogy Energy Services LLC
Innovari Market Solutions LLC
Innoventive Power LLC
Inspire Energy Holdings, LLC
Integrated Energy Services, 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 Municipal Energy Agency
Kentucky Power Company
Kentucky Power Trading LLC (dba Kentucky Energy Trading Co.)
Kestrel Acquisition, LLC
KeyCon Power Holdings 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.
kWantix Trading Fund I, LP
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
Main Line Generation, 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
Northland Power Energy Marketing (US) Inc.

NorthPoint Energy Solutions, Inc.
Northstar Trading Ltd.
Northwest Ohio Wind, LLC
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
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
Pharentram Energy Services, Ltd.
Philadelphia Energy Solutions Refining and Marketing LLC
Piedmont Energy Fund, L.P.
Pilot Power Group, Inc.
Pine Hill Energy LLC
Pinnacle Power LLC
Pixelle Specialty Solutions 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
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
sPower Energy Marketing, LLC
Spring Energy RRH, LLC dba Spring Power & Gas
Spruance Genco, LLC
Spruce Power Trading, LLC
Standard 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)
Tomorrow Energy Corp
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
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 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
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
Convanta Energy Group, LLC
Convanta Energy Marketing 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.
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.
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.
nTherm, LLC
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
Power UP Energy, LLC
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
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
SunSea Energy 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)
Tomorrow Energy Corp
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
January 1, 2019 through March 31, 2019

<u>Company Name</u>	<u>Withdrawal Date</u>
Casterbridge Advisory, L.L.C.	1/1/2019
Duquesne Conemaugh, LLC	1/2/2019
Duquesne Keystone, LLC	1/2/2019
American Power Partners, LLC	1/9/2019
Great Bay Energy III, LLC	1/14/2019
High Resolution Energy, LLC	1/14/2019
Falcon Energy, LLC	1/20/2019
P.H. Glatfelter Company	2/14/2019
Downes Associates, Inc.	2/24/2019
Aeon Energy Trading LLC	3/7/2019
Energya VM Gestion de Energia S.L.U.	3/7/2019
Incite Energy, LLC	3/13/2019
R2M Technologies Inc.	3/24/2019
OhmConnect, Inc.	3/24/2019

Attachment D

List of New Members
(with effective dates)

PJM Interconnection, LLC
New Members
January 1, 2019 through March 31, 2019

<u>Company Name</u>	<u>Effective Date</u>
Gravity Renewables, Inc.	1/4/2019
Brookfield Renewable Trading and Marketing LP	1/7/2019
Innogy Energy Services LLC	1/9/2019
Energy Center Dover LLC	1/15/2019
KeyCon Power Holdings LLC	1/16/2019
Kentucky Power Trading LLC (dba Kentucky Energy Trading Co.)	2/5/2019
Kentucky Municipal Energy Agency	2/5/2019
Pixelle Specialty Solutions LLC	2/19/2019
Integrated Energy Services, LLC	2/19/2019
Emporia Renewable Energy Corp	2/25/2019
Covanta Energy Marketing LLC	3/5/2019
DXT Commodities North America LLC	3/28/2019
Main Line Generation, LLC	3/29/2019
C4GT LLC	3/29/2019
kWantix Trading Fund I, LP	3/29/2019
Northland Power Energy Marketing (US) Inc.	3/29/2019

Attachment E

List of Member Corporate Name Changes
(with effective dates)

PJM Interconnection, LLC
Member Corporate Name Changes
January 1, 2019 through March 31, 2019

<u>Previous Company Name</u>	<u>New Company Name</u>	<u>Effective Date</u>
Trishe Wind Ohio, LLC	Northwest Ohio Wind, LLC	1/28/2019
Dominion Energy Fairless, LLC	Fairless Energy, L.L.C.	2/19/2019
Sperian Energy Corp.	Tomorrow Energy Corp	3/1/2019

Attachment F

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

**PJM Interconnection, LLC
New Parties to the RAA
January 1, 2019 through March 31, 2019**

<u>Company Name</u>	<u>Effective Date</u>
SunSea Energy LLC	1/7/2019
nTherm, LLC	2/8/2019
Convanta Energy Group, LLC	2/11/2019
Power UP Energy, LLC	2/26/2019
Convanta Energy Marketing LLC	3/20/2019