

SUPPLEMENTAL VOTING RESULTS

PJM Members Committee
MC Meeting Date: November 17, 2021

Item: 00.e Do you support the Joint Stakeholder ARR/FTR Market Reform Proposal?

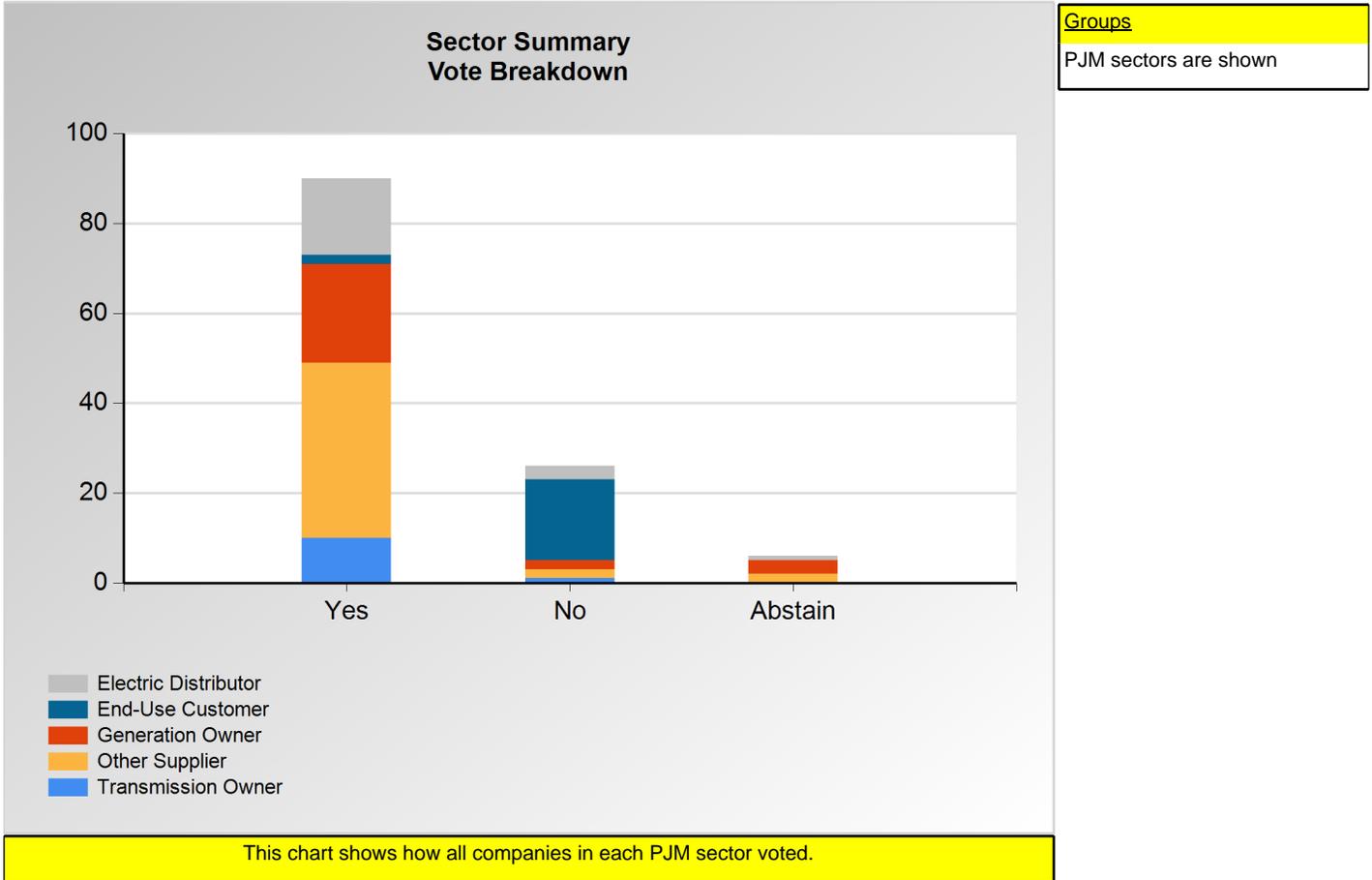
(Vote Result: PASSED)

SECTION 1

Charts displayed in this section include various portrayals of how all companies voted at the Members Committee (MC) meeting on this particular issue.

**PJM Members Committee
MC Meeting Date: November 17, 2021**

Item 00.e: Do you support the Joint Stakeholder ARR/FTR Market Reform Proposal?
(Vote Result: PASSED)



Additional Detail:

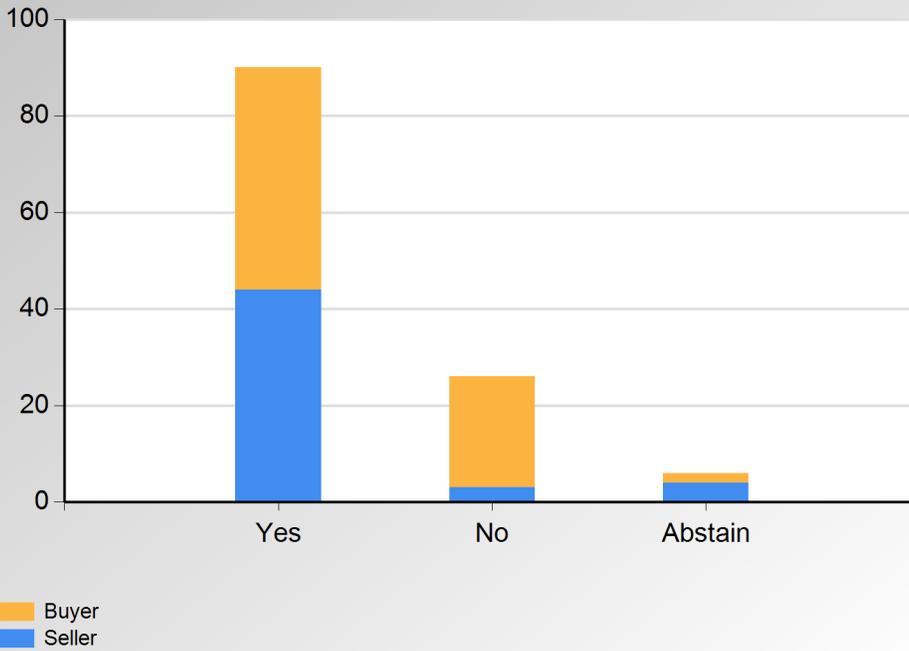
	Eligible	Attended	Did Not Vote	Yes	No	Abstain	Sector Vote In Favor	Sector Weight in Favor
End-Use Customer	34	20	0	2	18	0	10.0 %	0.100
Transmission Owner	14	12	1	10	1	0	90.9 %	0.909
Generation Owner	106	28	1	22	2	3	91.7 %	0.917
Electric Distributor	43	34	13	17	3	1	85.0 %	0.850
Other Supplier	302	45	2	39	2	2	95.1 %	0.951
Total	499	139	17	90	26	6		3.727

*Refer to the Company Designations table "Company Sector" column to see each company's group designation found on this chart.

**PJM Members Committee
MC Meeting Date: November 17, 2021**

Item 00.e: Do you support the Joint Stakeholder ARR/FTR Market Reform Proposal?
(Vote Result: PASSED)

**Net Buyer-Seller Position
Vote Breakdown**



**Buyers-Sellers based on
Net Due (\$MM) 12-month
total for 2020**

Seller: < \$0
Buyer: >= \$0

This chart shows how companies as net buyers or sellers voted. Each company is designated a Buyer or Seller based on the Net Due amount totaled from the 12 months of PJM bills of the prior year. Only transactions known by PJM are included. Therefore, bilateral contracts are excluded.

	Yes	No	Abstain
Buyer	46	23	2
Seller	44	3	4

*Refer to the Company Designations table "Buyer-Seller Group" column to see each company's group designation found on this chart.

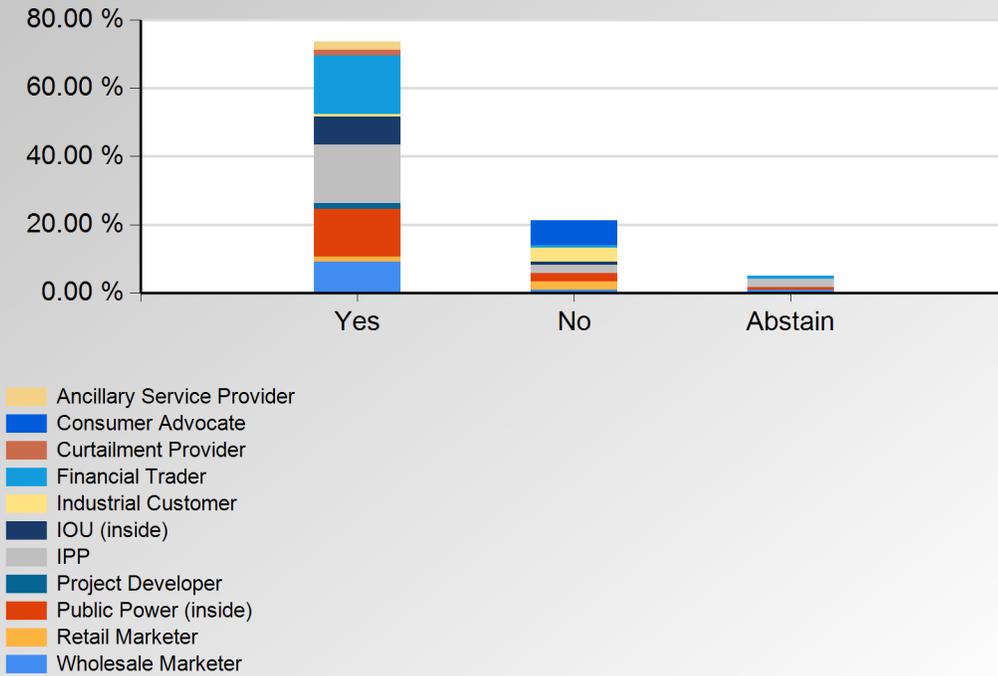
Error: Subreport could not be shown.

**PJM Members Committee
MC Meeting Date: November 17, 2021**

Item 00.e: Do you support the Joint Stakeholder ARR/FTR Market Reform Proposal?
(Vote Result: PASSED)

**Percentage of Total Sector-Weighted Vote
per Line of Business in PJM
Percentage Vote Breakdown**

Groups
All lines of business within
all sectors.



This chart shows the percentage of the total sector weighted vote cast by member companies in each line of business.

	Yes	No	Abstain
Ancillary Service Provider	2.83 %	0.00 %	0.00 %
Consumer Advocate	0.00 %	26.47 %	0.00 %
Curtailment Provider	0.66 %	0.00 %	0.00 %
Financial Trader	6.95 %	2.94 %	0.33 %
Industrial Customer	2.94 %	14.71 %	0.00 %
IOU (inside)	71.43 %	7.14 %	0.00 %
IPP	4.66 %	2.14 %	2.83 %
Project Developer	0.66 %	0.00 %	0.00 %
Public Power (inside)	4.93 %	6.98 %	2.33 %
Retail Marketer	1.43 %	0.89 %	0.00 %
Wholesale Marketer	2.70 %	0.33 %	0.33 %

*Refer to the Company Designations table "Line of Business Designation" column to see each company's group designation found on this chart.

SECTION 2

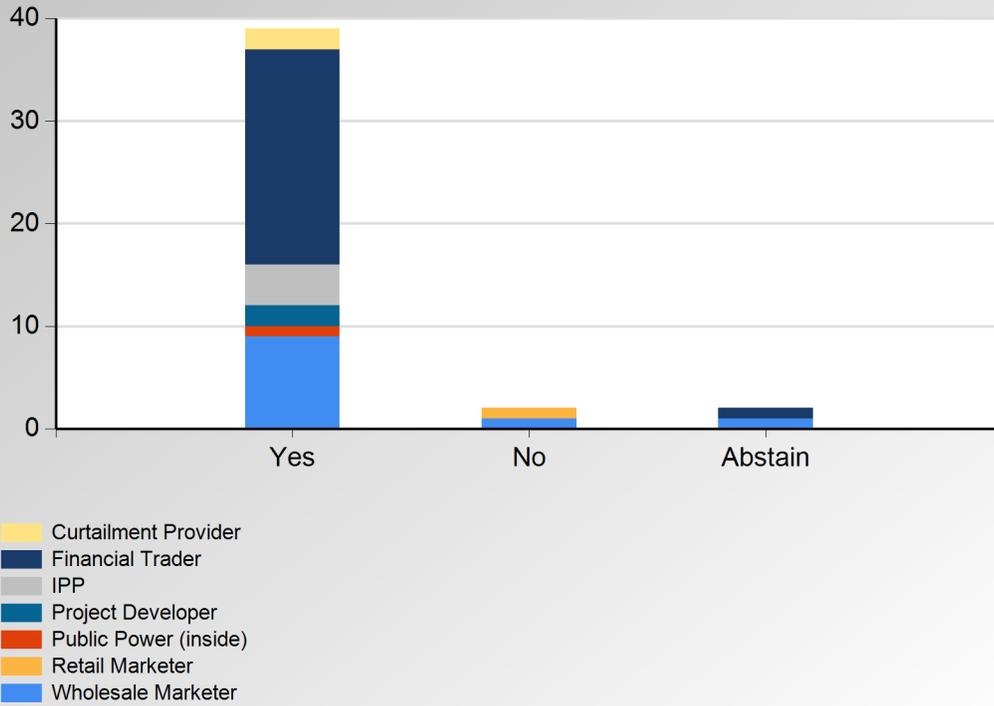
Charts displayed in this section include various portrayals of how various subsets of companies voted at the Members Committee (MC) meeting on this particular issue.

**PJM Members Committee
MC Meeting Date: November 17, 2021**

Item 00.e: Do you support the Joint Stakeholder ARR/FTR Market Reform Proposal?
(Vote Result: PASSED)

**Other Supplier Group
Vote Breakdown**

Groups
Lines of business within
PJM's Other Supplier sector.



This chart shows how lines of business within the Other Suppliers sector voted.

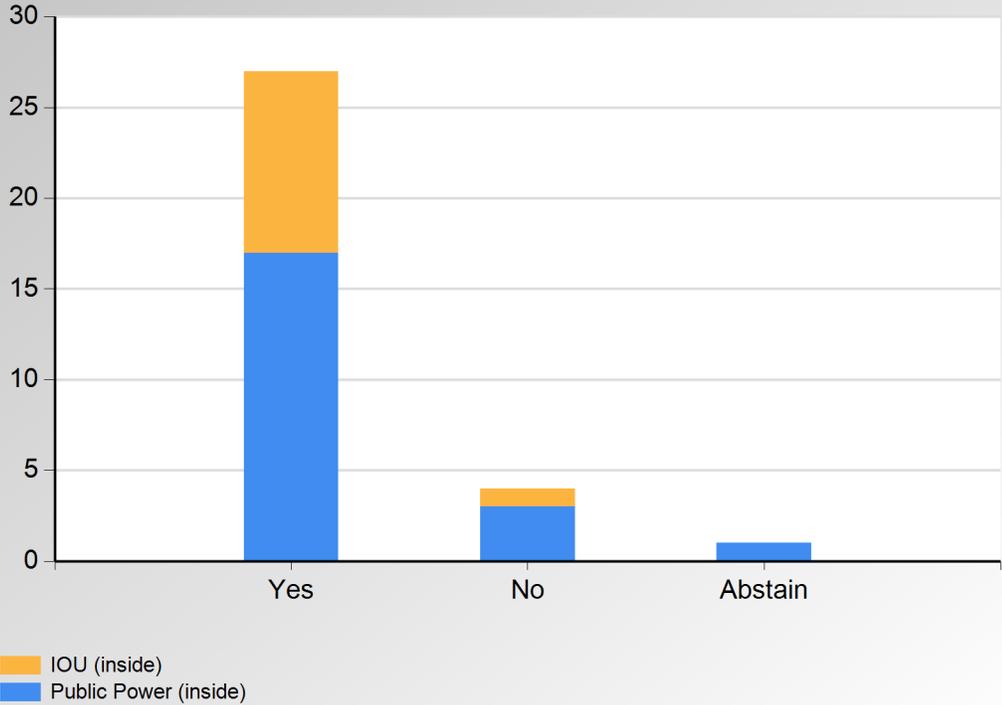
	Yes	No	Abstain
Curtailment Provider	2	0	0
Financial Trader	21	0	1
IPP	4	0	0
Project Developer	2	0	0
Public Power (inside)	1	0	0
Retail Marketer	0	1	0
Wholesale Marketer	9	1	1

*Refer to the Company Designations table "Line of Business Designation" column to see each company's group designation found on this chart.

**PJM Members Committee
MC Meeting Date: November 17, 2021**

Item 00.e: Do you support the Joint Stakeholder ARR/FTR Market Reform Proposal?
(Vote Result: PASSED)

**Public Power inside PJM vs. IOUs inside PJM
Vote Breakdown**



Groups
 IOUs (inside) = Investor-owned utilities inside PJM and others so designated.
 Public Power (inside) = Muni's/Co-op's inside PJM and others so designated.

This chart shows how a subset of companies voted.
Public power entities are compared to investor-owned (IOUs) within PJM's footprint.

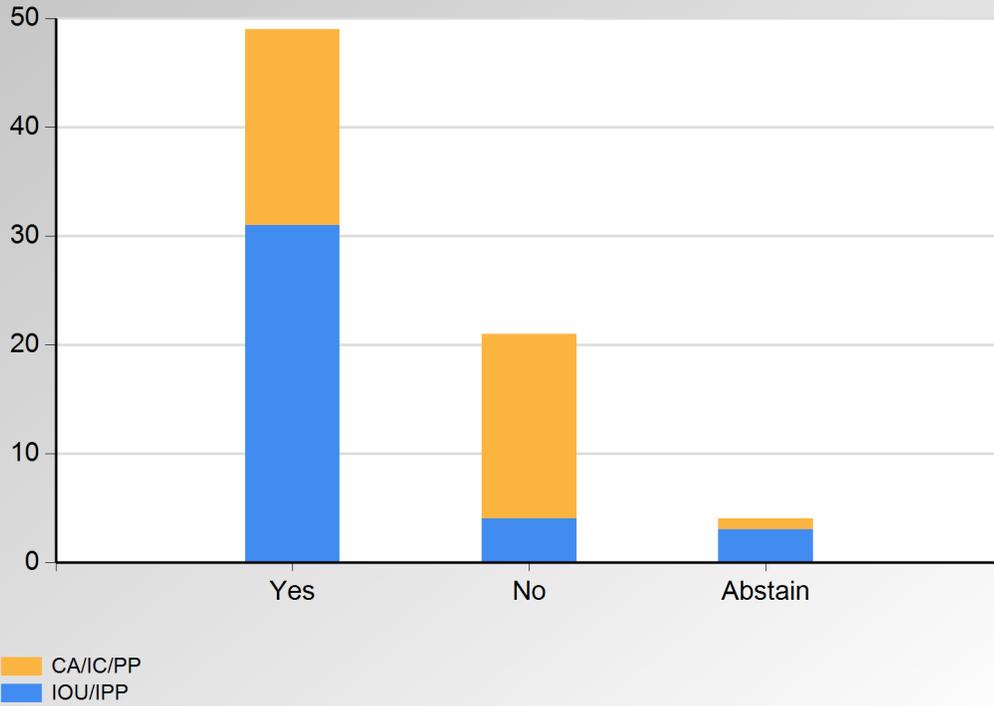
	Yes	No	Abstain
IOU (inside)	10	1	0
Public Power (inside)	17	3	1

*Refer to the Company Designations table "Line of Business Designation" column to see each company's group designation found on this chart.

**PJM Members Committee
MC Meeting Date: November 17, 2021**

Item 00.e: Do you support the Joint Stakeholder ARR/FTR Market Reform Proposal?
(Vote Result: PASSED)

**IOU / IPP vs. CA / IC / PP Companies
Vote Breakdown**



Groups
 IOU = Investor-Owned Utilities inside PJM
 IPP = Independent Power Producers
 CA = Consumer Advocates
 IC = Industrial Customers
 PP = Public Power inside PJM

This chart shows how a subset of companies voted.
 Two groups of companies are shown based on their perceived approach to the PJM marketplace.
 IOUs inside PJM and IPPs are grouped together based on their responsibility to shareholders and to load.
 Consumer advocates, industrial customers, and public power companies are group together based on their responsibility to load.

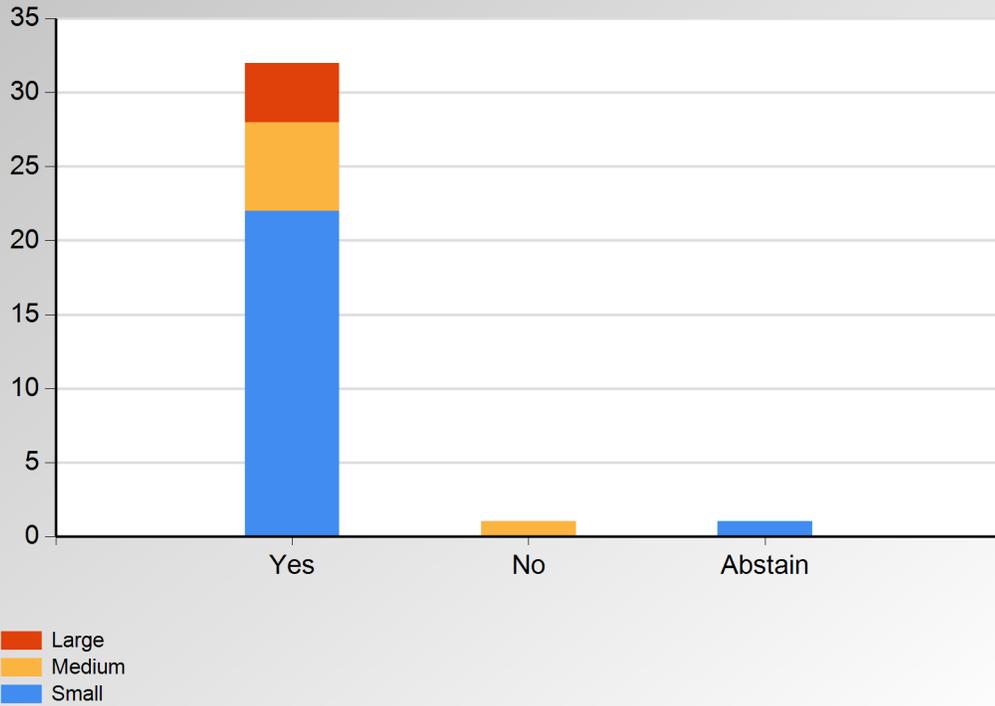
	Yes	No	Abstain
CA/IC/PP	18	17	1
IOU/IPP	31	4	3

*Refer to the Company Designations table "Line of Business Designation" column to see each company's group designation found on this chart.

**PJM Members Committee
MC Meeting Date: November 17, 2021**

Item 00.e: Do you support the Joint Stakeholder ARR/FTR Market Reform Proposal?
(Vote Result: PASSED)

**Owners of Generation in PJM's Footprint
Vote Breakdown**



Generation Groupings based on MW Installed Capacity on January 1, 2021
 Small: <500
 Medium: >=500 and <=3,000
 Large: >3,000

This chart shows how companies owning generation in PJM's footprint (excluding Behind the Meter generation) voted. Each company is categorized as Small, Medium, or Large based on a snapshot of MW of capacity installed as of January 1 of the year the vote was taken.

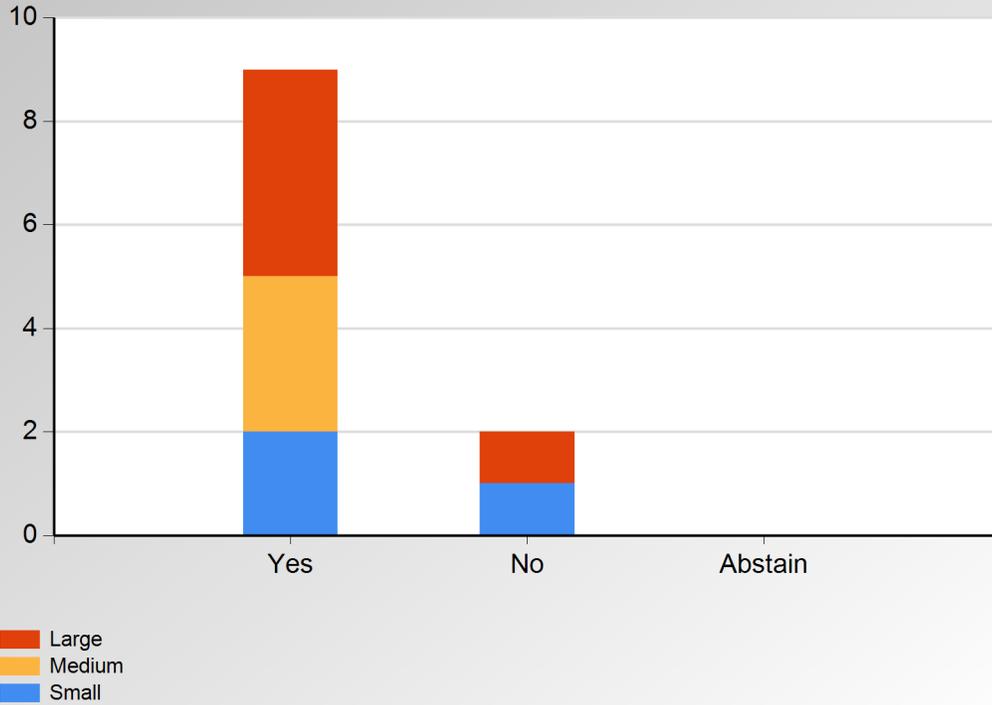
	Yes	No	Abstain
Large	4	0	0
Medium	6	1	0
Small	22	0	1

*Refer to the Company Designations table "Generation Group" column to see each company's group designation found on this chart.

**PJM Members Committee
MC Meeting Date: November 17, 2021**

Item 00.e: Do you support the Joint Stakeholder ARR/FTR Market Reform Proposal?
(Vote Result: PASSED)

**Owners of Transmission in PJM's Footprint
Vote Breakdown**



Groups based on Revenue Reqs (\$MM) on January 1, 2021

Small: <50
Medium: >=50 and <=150
Large: >150

This chart shows how companies owning transmission in PJM's footprint voted. Each company is categorized as Small, Medium, or Large based on a snapshot of Revenue Requirements amount as of January 1 the year the vote was taken.

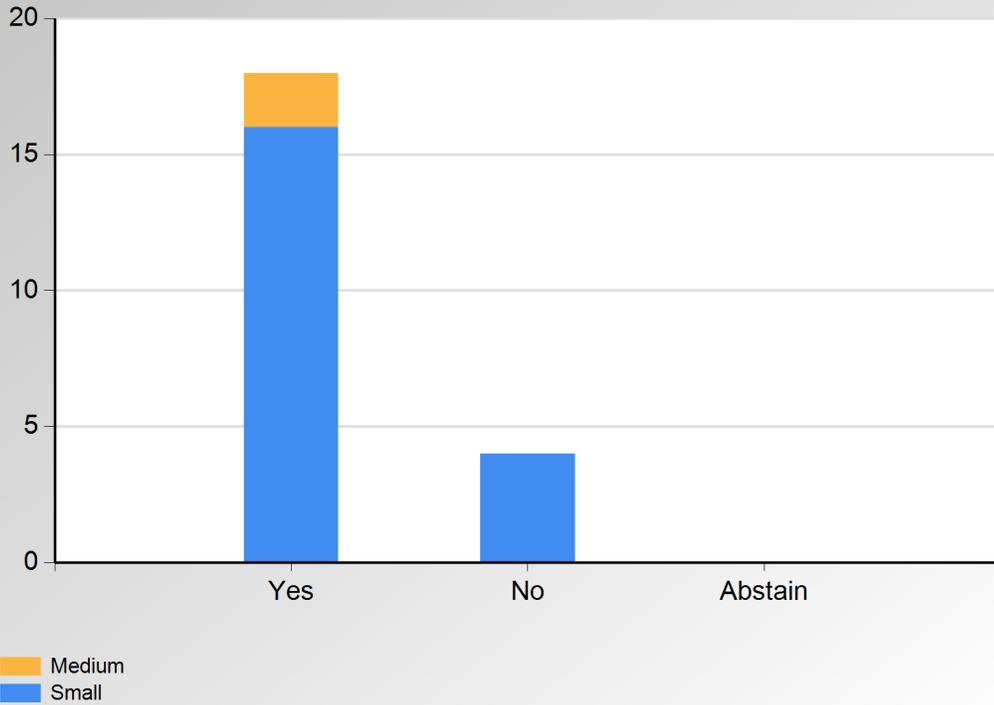
	Yes	No	Abstain
Large	4	1	0
Medium	3	0	0
Small	2	1	0

*Refer to the Company Designations table "Transmission Group" column to see each company's group designation found on this chart.

**PJM Members Committee
MC Meeting Date: November 17, 2021**

Item 00.e: Do you support the Joint Stakeholder ARR/FTR Market Reform Proposal?
(Vote Result: PASSED)

**Companies Serving Load within PJM
Vote Breakdown**



Groups based on
Avg Real-Time
Metered Load (MW)
over all the hours of the year
2020
Small: <1,000
Medium: >=1,000 and <=5,000
Large: >5,000

This chart shows how companies serving metered load voted. Each company is categorized as Small, Medium, or Large based on the average real-time metered load served over all hours of the year prior to the year the vote was taken.

	Yes	No	Abstain
Medium	2	0	0
Small	16	4	0

*Refer to the Company Designations table "Load Server Group" column to see each company's group designation found on this chart.

SECTION 3

The table reports displayed in this section provide important detail supporting the charts in the previous sections.

PJM Members Committee
MC Meeting Date: November 17, 2021

Item 00.e: Do you support the Joint Stakeholder ARR/FTR Market Reform Proposal?
 (Vote Result: PASSED)

SECTOR DETAIL VOTE BREAKDOWN

End-Use Customer			
Yes	No	Abstain	Sector Vote In Favor
2	18	0	10.0 %
Kuehne Chemical Company, Inc.	Air Products & Chemicals, Inc.		
PBF Power Marketing, LLC	Cleveland-Cliffs Steel LLC		
	Delaware Division of the Public Advocate		
	Gerdau Ameristeel Energy, Inc.		
	Illinois Citizen Utility Board		
	Indiana Office of Utility Consumer Counselor (IN OUCC)		
	Lehigh Portland Cement Company		
	Linde Inc.		
	Maryland Office of People's Counsel		
	MeadWestvaco Corporation		
	Messer LLC		
	New Jersey Division of Rate Counsel		
	Office of the Attorney General, Kentucky		
	Pennsylvania Office of Consumer Advocate		
	Procter & Gamble Paper Products Company (The)		
	Public Staff - North Carolina Utilities Commission		
	Trustees of the University of Pennsylvania		
	West Virginia Consumer Advocate Division		

Transmission Owner			
Yes	No	Abstain	Sector Vote In Favor
10	1	0	90.9 %
American Transmission Systems, Inc.	Virginia Electric & Power Company		
Appalachian Power Company			
Dayton Power & Light Company (The)			
Duke Energy Business Services LLC			
Duquesne Light Company			
East Kentucky Power Cooperative, Inc.			
Exelon Business Services Company, LLC			

Transmission Owner			
Yes	No	Abstain	Sector Vote In Favor
10	1	0	90.9 %
PPL Electric Utilities Corporation d/b/a PPL Utilities			
Public Service Electric & Gas Company			
Rockland Electric Company			
Generation Owner			
Yes	No	Abstain	Sector Vote In Favor
22	2	3	91.7 %
Avangrid Renewables, LLC	CPV Power Holdings, LP	Big Savage, LLC	
Calpine Energy Services, L.P.	Kimberly-Clark Corporation	Cypress Creek Renewables, LLC	
Carroll County Energy LLC		Leeward Asset Management, LLC	
Diamond State Generation Partners, LLC			
Dynegy Marketing and Trade, LLC			
Eagle Point Power Generation, LLC			
Eastern Generation, LLC			
Elwood Energy, LLC			
Energy Harbor LLC			
Essential Power Rock Springs, LLC			
GenOn Energy Management, LLC			
Hazleton Generation LLC			
Longview Power, LLC			
Moxie Freedom LLC			
NRG Power Marketing LLC			
Newark Energy Center, LLC			
NextPower III US Holdco Inc.			
Riverside Generating Company, L.L.C.			
Talen Energy Marketing, LLC			
Vitol Inc.			
Wheelabrator Falls Inc.			
York County Solid Waste and Refuse Authority			
Electric Distributor			
Yes	No	Abstain	Sector Vote In Favor
17	3	1	85.0 %
American Municipal Power, Inc.	Letterkenny Industrial Development Authority - PA	Wellsboro Electric Company	
Borough of Chambersburg	Northern Virginia Electric Cooperative (NOVEC)		
Borough of Mont Alto, Pennsylvania	Old Dominion Electric Cooperative		

Electric Distributor			
Yes	No	Abstain	Sector Vote In Favor
17	3	1	85.0 %
Buckeye Power, Inc.			
City of Dover, Delaware			
Delaware Municipal Electric Corporation, Inc.			
Easton Utilities Commission			
Hagerstown Light Department			
Illinois Municipal Electric Agency			
Indiana Municipal Power Agency			
Kentucky Municipal Energy Agency			
Michigan Public Power Agency			
North Carolina Electric Membership Corporation			
Southern Maryland Electric Cooperative, Inc.			
Thurmont Municipal Light Company			
Town of Williamsport (The)			
Wabash Valley Power Association, Inc.			
Other Supplier			
Yes	No	Abstain	Sector Vote In Favor
39	2	2	95.1 %
Alphataraxia Palladium LLC	DTE Energy Trading, Inc.	Northstar Trading Ltd.	
Ames Energy, LLC	Industrial Energy Users-Ohio	SESCO Enterprises, LLC	
Appian Way Energy Partners MidAtlantic, LLC			
BJ Energy, LLC			
Big Bend Trading, LLC			
Boston Energy Group, Inc.			
Boston Energy Trading and Marketing LLC			
Brookfield Renewable Trading and Marketing LP			
Citadel FNGE Ltd.			
DC Energy, LLC			
EDF Trading North America, LLC			
Elliott Bay Energy Trading, LLC			
Energy Cooperative Association of Pennsylvania (The)			
Engelhart CTP (US) LLC			
Geenex Solar LLC			
Greene Energy NE LLC			
H-P Energy Resources, LLC			

Other Supplier			
Yes	No	Abstain	Sector Vote In Favor
39	2	2	95.1 %
H.Q. Energy Services (U.S.), Inc.			
Hexis Energy Trading, LLC			
Icetek.com, Inc.			
Jersey Green Energy, LLC			
MAG Energy Solutions, Inc.			
Monterey MA LLC			
NextEra Energy Marketing, LLC			
Perast Fund LP			
Precept Power LLC			
Pure Energy, Inc.			
Recurrent Energy, LLC			
Red Wolf TX2, LLC			
Saracen Energy East LP			
Shell Energy North America (US), L.P.			
Strom Power, LLC			
Taller Cube, LLC			
Tangent Energy Solutions, Inc.			
The Highlands Energy Group, LLC			
Velocity American Energy Master I, L.P.			
Viribus Fund LP			
WPPI Energy			
XO Energy MA, L.P.			

**PJM Members Committee
MC Meeting Date: November 17, 2021**

Item 00.e: Do you support the Joint Stakeholder ARR/FTR Market Reform Proposal?
(Vote Result: PASSED)

COMPANY DESIGNATIONS (Sorted by Sector then by Company Name)

Vote	Company Name (in PJM CRM system)	Company Sector (in PJM CRM System)	Company Line of Business (In PJM CRM system)	Buyer-Seller Group	Generation Group	Transmission Group	Load Server Group	Line of Business Designation
Yes	American Municipal Power, Inc.	Electric Distributor	Muni/Co-op	Buyer	Zero	Zero	Zero	Public Power (inside)
Yes	Borough of Chambersburg	Electric Distributor	Muni/Co-op	Buyer	Small	Zero	Small	Public Power (inside)
Yes	Borough of Mont Alto, Pennsylvania	Electric Distributor	Muni/Co-op	Buyer	Small	Zero	Small	Public Power (inside)
Yes	Buckeye Power, Inc.	Electric Distributor	Muni/Co-op	Buyer	Medium	Zero	Medium	Public Power (inside)
Yes	City of Dover, Delaware	Electric Distributor	Muni/Co-op	Buyer	Small	Zero	Small	Public Power (inside)
Yes	Delaware Municipal Electric Corporation, Inc.	Electric Distributor	Muni/Co-op	Buyer	Small	Zero	Small	Public Power (inside)
Yes	Easton Utilities Commission	Electric Distributor	Muni/Co-op	Buyer	Small	Zero	Small	Public Power (inside)
Yes	Hagerstown Light Department	Electric Distributor	Muni/Co-op	Buyer	Zero	Zero	Zero	Public Power (inside)
Yes	Illinois Municipal Electric Agency	Electric Distributor	Muni/Co-op	Buyer	Medium	Zero	Small	Public Power (inside)
Yes	Indiana Municipal Power Agency	Electric Distributor	Muni/Co-op	Buyer	Small	Zero	Small	Public Power (inside)
Yes	Kentucky Municipal Energy Agency	Electric Distributor	Muni/Co-op	Buyer	Zero	Zero	Small	Public Power (inside)
No	Letterkenny Industrial Development Authority - PA	Electric Distributor	Muni/Co-op	Buyer	Zero	Zero	Small	Public Power (inside)
Yes	Michigan Public Power Agency	Electric Distributor	Generation	Buyer	Small	Zero	Zero	IPP
Yes	North Carolina Electric Membership Corporation	Electric Distributor	Muni/Co-op	Buyer	Small	Zero	Small	Public Power (inside)
No	Northern Virginia Electric Cooperative (NOVEC)	Electric Distributor	Muni/Co-op	Buyer	Zero	Zero	Small	Public Power (inside)
No	Old Dominion Electric Cooperative	Electric Distributor	Muni/Co-op	Buyer	Medium	Small	Zero	Public Power (inside)
Yes	Southern Maryland Electric Cooperative, Inc.	Electric Distributor	Muni/Co-op	Buyer	Small	Small	Small	Public Power (inside)
Yes	Thurmont Municipal Light Company	Electric Distributor	Muni/Co-op	Buyer	Zero	Zero	Zero	Public Power (inside)
Yes	Town of Williamsport (The)	Electric Distributor	Muni/Co-op	Buyer	Zero	Zero	Zero	Public Power (inside)
Yes	Wabash Valley Power Association, Inc.	Electric Distributor	Muni/Co-op	Buyer	Small	Zero	Zero	Public Power (inside)
Abstain	Wellsboro Electric Company	Electric Distributor	Muni/Co-op	Buyer	Zero	Zero	Zero	Public Power (inside)
No	Air Products & Chemicals, Inc.	End-Use Customer	Industrial	Buyer	Zero	Zero	Zero	Industrial Customer
No	Cleveland-Cliffs Steel LLC	End-Use Customer	Load Serving Entity	Buyer	Zero	Zero	Small	Retail Marketer

Vote	Company Name (in PJM CRM system)	Company Sector (in PJM CRM System)	Company Line of Business (In PJM CRM system)	Buyer-Seller Group	Generation Group	Transmission Group	Load Server Group	Line of Business Designation
No	Delaware Division of the Public Advocate	End-Use Customer	Consumer Advocate	Buyer	Zero	Zero	Zero	Consumer Advocate
No	Gerdau Ameristeel Energy, Inc.	End-Use Customer	Financial Trader	Buyer	Zero	Zero	Zero	Financial Trader
No	Illinois Citizen Utility Board	End-Use Customer	Consumer Advocate	Buyer	Zero	Zero	Zero	Consumer Advocate
No	Indiana Office of Utility Consumer Counselor (IN OUCC)	End-Use Customer	Consumer Advocate	Buyer	Zero	Zero	Zero	Consumer Advocate
Yes	Kuehne Chemical Company, Inc.	End-Use Customer	Load Serving Entity	Buyer	Zero	Zero	Small	Retail Marketer
No	Lehigh Portland Cement Company	End-Use Customer	Industrial	Buyer	Zero	Zero	Zero	Industrial Customer
No	Linde Inc.	End-Use Customer	Industrial	Buyer	Zero	Zero	Zero	Industrial Customer
No	Maryland Office of People's Counsel	End-Use Customer	Consumer Advocate	Buyer	Zero	Zero	Zero	Consumer Advocate
No	MeadWestvaco Corporation	End-Use Customer	Generation	Buyer	Zero	Zero	Zero	IPP
No	Messer LLC	End-Use Customer	Industrial	Seller	Zero	Zero	Zero	Industrial Customer
No	New Jersey Division of Rate Counsel	End-Use Customer	Consumer Advocate	Buyer	Zero	Zero	Zero	Consumer Advocate
No	Office of the Attorney General, Kentucky	End-Use Customer	Consumer Advocate	Buyer	Zero	Zero	Zero	Consumer Advocate
Yes	PBF Power Marketing, LLC	End-Use Customer	Industrial	Seller	Small	Zero	Small	Industrial Customer
No	Pennsylvania Office of Consumer Advocate	End-Use Customer	Consumer Advocate	Buyer	Zero	Zero	Zero	Consumer Advocate
No	Procter & Gamble Paper Products Company (The)	End-Use Customer	Industrial	Buyer	Zero	Zero	Zero	Industrial Customer
No	Public Staff - North Carolina Utilities Commission	End-Use Customer	Consumer Advocate	Buyer	Zero	Zero	Zero	Consumer Advocate
No	Trustees of the University of Pennsylvania	End-Use Customer	Load Serving Entity	Buyer	Zero	Zero	Small	Retail Marketer
No	West Virginia Consumer Advocate Division	End-Use Customer	Consumer Advocate	Buyer	Zero	Zero	Zero	Consumer Advocate
Yes	Avangrid Renewables, LLC	Generation Owner	Generation	Seller	Small	Zero	Zero	IPP
Abstain	Big Savage, LLC	Generation Owner	Generation	Seller	Small	Zero	Zero	IPP
Yes	Calpine Energy Services, L.P.	Generation Owner	Load Serving Entity	Seller	Large	Zero	Zero	Retail Marketer
Yes	Carroll County Energy LLC	Generation Owner	Generation Owner/Ancillary Service Provider	Seller	Medium	Zero	Zero	Ancillary Service Provider
No	CPV Power Holdings, LP	Generation Owner	Generation	Buyer	Zero	Zero	Zero	IPP
Abstain	Cypress Creek Renewables, LLC	Generation Owner	Generation	Buyer	Zero	Zero	Zero	IPP
Yes	Diamond State Generation Partners, LLC	Generation Owner	Generation	Seller	Small	Zero	Zero	IPP
Yes	Dynegy Marketing and Trade, LLC	Generation Owner	Generation	Seller	Zero	Zero	Zero	IPP
Yes	Eagle Point Power Generation, LLC	Generation Owner	Generation	Seller	Small	Zero	Zero	IPP

Vote	Company Name (in PJM CRM system)	Company Sector (in PJM CRM System)	Company Line of Business (In PJM CRM system)	Buyer-Seller Group	Generation Group	Transmission Group	Load Server Group	Line of Business Designation
Yes	Eastern Generation, LLC	Generation Owner	Generation Owner/Ancillary Service Provider	Buyer	Zero	Zero	Zero	Ancillary Service Provider
Yes	Elwood Energy, LLC	Generation Owner	Generation	Seller	Zero	Zero	Zero	IPP
Yes	Energy Harbor LLC	Generation Owner	Generation	Seller	Zero	Zero	Small	IPP
Yes	Energy Harbor LLC	Generation Owner	Generation	Seller	Zero	Zero	Small	IPP
Yes	Energy Harbor LLC	Generation Owner	Generation	Seller	Zero	Zero	Small	IPP
Yes	Essential Power Rock Springs, LLC	Generation Owner	Generation	Seller	Zero	Zero	Zero	IPP
Yes	GenOn Energy Management, LLC	Generation Owner	Generation	Seller	Zero	Zero	Zero	IPP
Yes	Hazleton Generation LLC	Generation Owner	Generation	Seller	Small	Zero	Zero	IPP
No	Kimberly-Clark Corporation	Generation Owner	Generation	Seller	Zero	Zero	Zero	IPP
Abstain	Leeward Asset Management, LLC	Generation Owner	Generation	Seller	Zero	Zero	Zero	IPP
Yes	Longview Power, LLC	Generation Owner	Generation	Seller	Medium	Zero	Zero	IPP
Yes	Moxie Freedom LLC	Generation Owner	Generation Owner/Ancillary Service Provider	Seller	Medium	Zero	Zero	Ancillary Service Provider
Yes	Newark Energy Center, LLC	Generation Owner	Generation	Seller	Zero	Zero	Zero	IPP
Yes	NextPower III US Holdco Inc.	Generation Owner	Generation	Buyer	Small	Zero	Zero	IPP
Yes	NRG Power Marketing LLC	Generation Owner	Generation	Buyer	Medium	Zero	Zero	IPP
Yes	Riverside Generating Company, L.L.C.	Generation Owner	Power Marketer	Buyer	Zero	Zero	Zero	Wholesale Marketer
Yes	Talen Energy Marketing, LLC	Generation Owner	Generation	Seller	Large	Large	Zero	IPP
Yes	Vitol Inc.	Generation Owner	Power Marketer	Buyer	Zero	Zero	Zero	Wholesale Marketer
Yes	Wheelabrator Falls Inc.	Generation Owner	Generation	Buyer	Small	Zero	Zero	IPP
Yes	York County Solid Waste and Refuse Authority	Generation Owner	Generation	Seller	Small	Zero	Zero	IPP
Yes	Alphataraxia Palladium LLC	Other Supplier	Power Marketer	Seller	Zero	Zero	Zero	Wholesale Marketer
Yes	Ames Energy, LLC	Other Supplier	Financial Trader	Seller	Zero	Zero	Zero	Financial Trader
Yes	Appian Way Energy Partners MidAtlantic, LLC	Other Supplier	Financial Trader	Seller	Zero	Zero	Zero	Financial Trader
Yes	Big Bend Trading, LLC	Other Supplier	Financial Trader	Seller	Zero	Zero	Zero	Financial Trader
Yes	BJ Energy, LLC	Other Supplier	Financial Trader	Seller	Zero	Zero	Zero	Financial Trader
Yes	Boston Energy Group, Inc.	Other Supplier	Financial Trader	Seller	Zero	Zero	Zero	Financial Trader
Yes	Boston Energy Trading and Marketing LLC	Other Supplier	Generation	Buyer	Zero	Zero	Zero	IPP
Yes	Brookfield Renewable Trading and Marketing LP	Other Supplier	Generation	Seller	Zero	Zero	Zero	IPP
Yes	Citadel FNGE Ltd.	Other Supplier	Financial Trader	Seller	Zero	Zero	Zero	Financial Trader

Vote	Company Name (in PJM CRM system)	Company Sector (in PJM CRM System)	Company Line of Business (In PJM CRM system)	Buyer-Seller Group	Generation Group	Transmission Group	Load Server Group	Line of Business Designation
Yes	DC Energy, LLC	Other Supplier	Financial Trader	Seller	Zero	Zero	Zero	Financial Trader
No	DTE Energy Trading, Inc.	Other Supplier	Power Marketer	Buyer	Zero	Zero	Zero	Wholesale Marketer
Yes	EDF Trading North America, LLC	Other Supplier	Power Marketer	Seller	Small	Zero	Zero	Wholesale Marketer
Yes	Elliott Bay Energy Trading, LLC	Other Supplier	Financial Trader	Seller	Zero	Zero	Zero	Financial Trader
Yes	Energy Cooperative Association of Pennsylvania (The)	Other Supplier	Muni/Co-op	Buyer	Zero	Zero	Zero	Public Power (inside)
Yes	Engelhart CTP (US) LLC	Other Supplier	Power Marketer	Seller	Zero	Zero	Zero	Wholesale Marketer
Yes	Geenex Solar LLC	Other Supplier	Project Developer	Buyer	Zero	Zero	Zero	Project Developer
Yes	Greene Energy NE LLC	Other Supplier	Financial Trader	Seller	Zero	Zero	Zero	Financial Trader
Yes	H.Q. Energy Services (U.S.), Inc.	Other Supplier	Power Marketer	Buyer	Zero	Zero	Zero	Wholesale Marketer
Yes	Hexis Energy Trading, LLC	Other Supplier	Financial Trader	Seller	Zero	Zero	Zero	Financial Trader
Yes	H-P Energy Resources, LLC	Other Supplier	Financial Trader	Seller	Zero	Zero	Zero	Financial Trader
Yes	Icetek.com, Inc.	Other Supplier	Curtailed Service Provider	Seller	Small	Zero	Zero	Curtailed Provider
No	Industrial Energy Users-Ohio	Other Supplier	Load Serving Entity	Seller	Zero	Zero	Zero	Retail Marketer
Yes	Jersey Green Energy, LLC	Other Supplier	Financial Trader	Buyer	Zero	Zero	Zero	Financial Trader
Yes	MAG Energy Solutions, Inc.	Other Supplier	Power Marketer	Buyer	Zero	Zero	Zero	Wholesale Marketer
Yes	Monterey MA LLC	Other Supplier	Power Marketer	Buyer	Zero	Zero	Zero	Wholesale Marketer
Yes	NextEra Energy Marketing, LLC	Other Supplier	Generation	Buyer	Small	Zero	Zero	IPP
Abstain	Northstar Trading Ltd.	Other Supplier	Financial Trader	Seller	Zero	Zero	Zero	Financial Trader
Yes	Perast Fund LP	Other Supplier	Financial Trader	Seller	Zero	Zero	Zero	Financial Trader
Yes	Precept Power LLC	Other Supplier	Financial Trader	Buyer	Zero	Zero	Zero	Financial Trader
Yes	Pure Energy, Inc.	Other Supplier	Financial Trader	Buyer	Zero	Zero	Zero	Financial Trader
Yes	Recurrent Energy, LLC	Other Supplier	Project Developer	Buyer	Zero	Zero	Zero	Project Developer
Yes	Red Wolf TX2, LLC	Other Supplier	Financial Trader	Seller	Zero	Zero	Zero	Financial Trader
Yes	Saracen Energy East LP	Other Supplier	Financial Trader	Seller	Zero	Zero	Zero	Financial Trader
Abstain	SESCO Enterprises, LLC	Other Supplier	Power Marketer	Seller	Zero	Zero	Zero	Wholesale Marketer
Yes	Shell Energy North America (US), L.P.	Other Supplier	Generation	Buyer	Zero	Zero	Zero	IPP
Yes	Strom Power, LLC	Other Supplier	Financial Trader	Seller	Zero	Zero	Zero	Financial Trader
Yes	Taller Cube, LLC	Other Supplier	Financial Trader	Seller	Zero	Zero	Zero	Financial Trader
Yes	Tangent Energy Solutions, Inc.	Other Supplier	Curtailed Service Provider	Seller	Zero	Zero	Zero	Curtailed Provider
Yes	The Highlands Energy Group, LLC	Other Supplier	Financial Trader	Seller	Zero	Zero	Zero	Financial Trader

Vote	Company Name (in PJM CRM system)	Company Sector (in PJM CRM System)	Company Line of Business (In PJM CRM system)	Buyer-Seller Group	Generation Group	Transmission Group	Load Server Group	Line of Business Designation
Yes	Velocity American Energy Master I, L.P.	Other Supplier	Power Marketer	Seller	Zero	Zero	Zero	Wholesale Marketer
Yes	Viribus Fund LP	Other Supplier	Financial Trader	Buyer	Zero	Zero	Zero	Financial Trader
Yes	WPPI Energy	Other Supplier	Power Marketer	Buyer	Zero	Zero	Zero	Wholesale Marketer
Yes	XO Energy MA, L.P.	Other Supplier	Power Marketer	Buyer	Zero	Zero	Zero	Wholesale Marketer
Yes	American Transmission Systems, Inc.	Transmission Owner	Transmission Owner	Buyer	Zero	Large	Zero	IOU (inside)
Yes	Appalachian Power Company	Transmission Owner	Transmission Owner	Buyer	Large	Large	Zero	IOU (inside)
Yes	Dayton Power & Light Company (The)	Transmission Owner	Transmission Owner	Seller	Small	Medium	Zero	IOU (inside)
Yes	Duke Energy Business Services LLC	Transmission Owner	Transmission Owner	Buyer	Zero	Zero	Zero	IOU (inside)
Yes	Duquesne Light Company	Transmission Owner	Transmission Owner	Seller	Zero	Medium	Zero	IOU (inside)
Yes	East Kentucky Power Cooperative, Inc.	Transmission Owner	Transmission Owner	Buyer	Large	Medium	Medium	IOU (inside)
Yes	Exelon Business Services Company, LLC	Transmission Owner	Transmission Owner	Buyer	Zero	Zero	Zero	IOU (inside)
Yes	PPL Electric Utilities Corporation d/b/a PPL Utilities	Transmission Owner	Transmission Owner	Buyer	Zero	Zero	Small	IOU (inside)
Yes	Public Service Electric & Gas Company	Transmission Owner	Transmission Owner	Buyer	Zero	Large	Zero	IOU (inside)
Yes	Rockland Electric Company	Transmission Owner	Transmission Owner	Seller	Zero	Small	Zero	IOU (inside)
No	Virginia Electric & Power Company	Transmission Owner	Transmission Owner	Buyer	Zero	Large	Zero	IOU (inside)