

SUPPLEMENTAL VOTING RESULTS

PJM Members Committee
MC Meeting Date: March 23, 2022

Item: 1B4 Do you endorse the FTR Credit Requirement revisions, including the HSIM Initial Margining proposal, filed by PJM on December 21, 2021, as amended, with the 97% confidence interval (CI), and then moving to the 99% CI in one year?

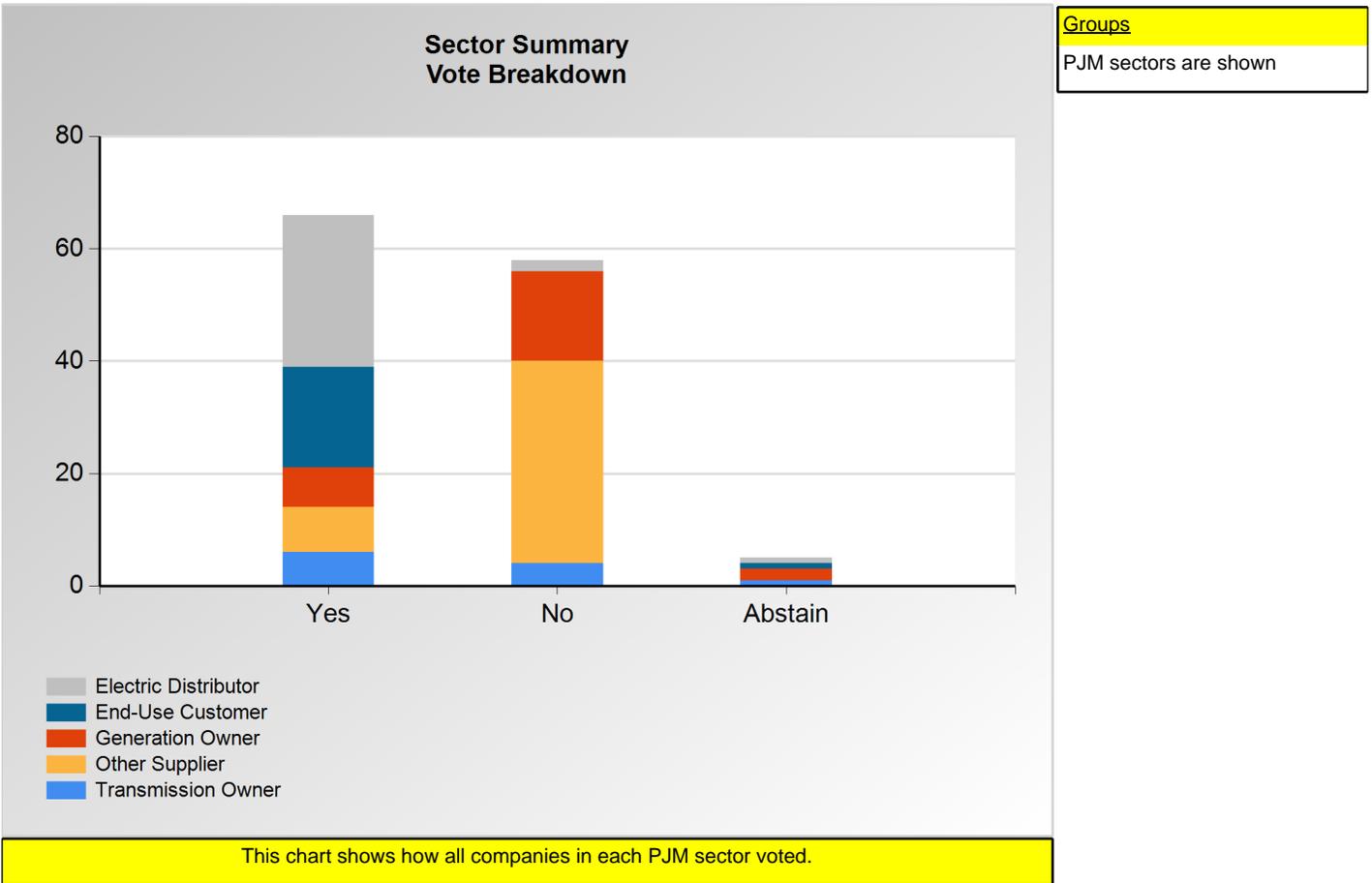
(Vote Result: FAILED)

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.

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MC Meeting Date: March 23, 2022**

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(Vote Result: FAILED)



Additional Detail:

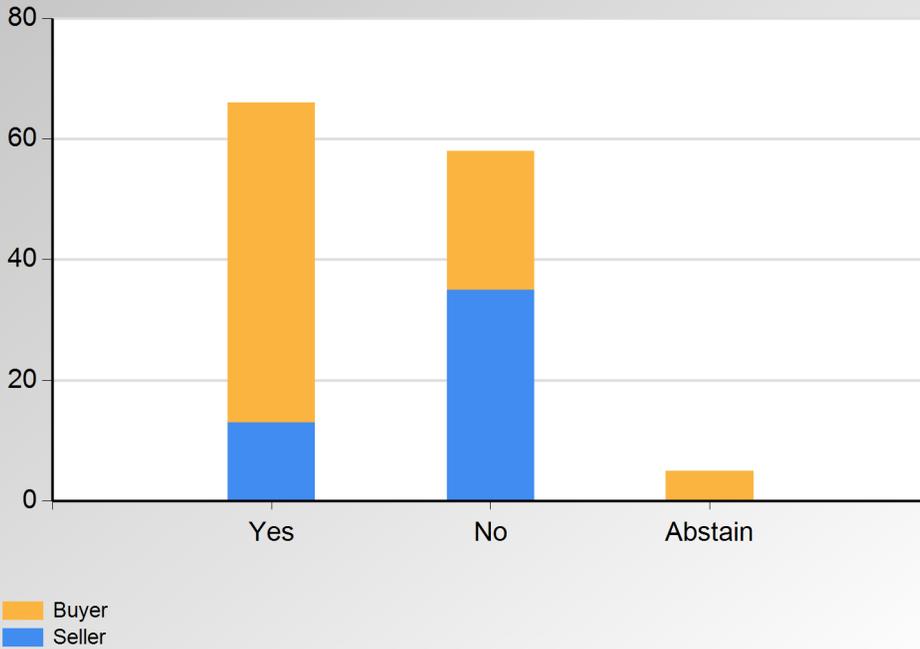
	Eligible	Attended	Did Not Vote	Yes	No	Abstain	Sector Vote In Favor	Sector Weight in Favor
End-Use Customer	36	21	2	18	0	1	100.0 %	1.000
Transmission Owner	14	12	1	6	4	1	60.0 %	0.600
Generation Owner	111	28	3	7	16	2	30.4 %	0.304
Electric Distributor	43	34	4	27	2	1	93.1 %	0.931
Other Supplier	311	49	5	8	36	0	18.2 %	0.182
Total	515	144	15	66	58	5		3.017

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

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**Net Buyer-Seller Position
Vote Breakdown**



**Buyers-Sellers based on
Net Due (\$MM) 12-month
total for 2021**

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	53	23	5
Seller	13	35	0

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

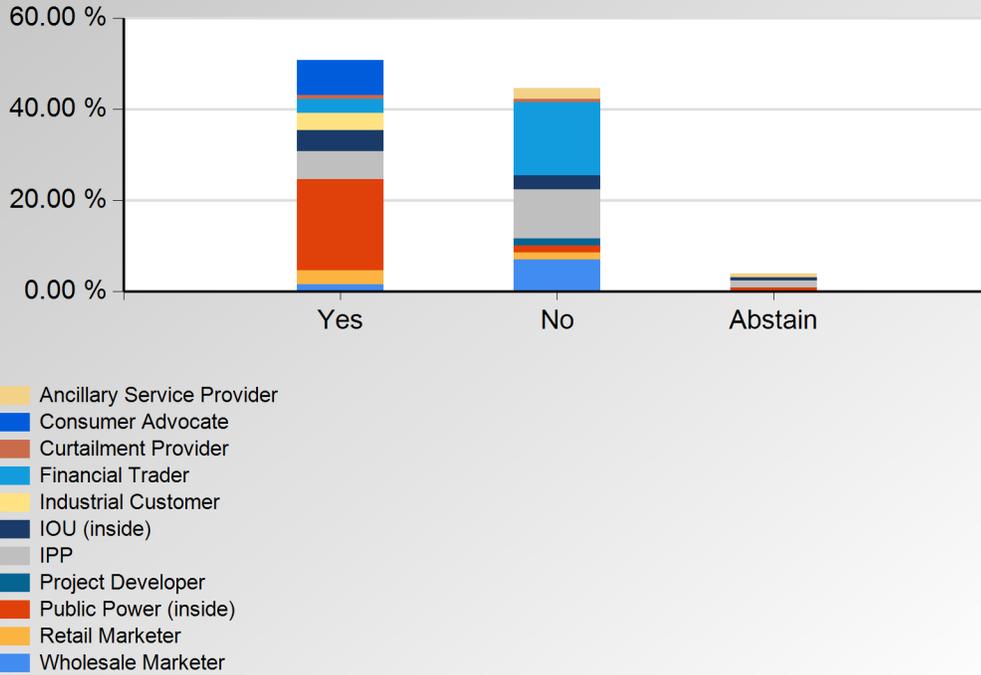
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**Percentage of Total Sector-Weighted Vote
 per Line of Business in PJM
 Percentage Vote Breakdown**

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	0.00 %	0.71 %	0.91 %
Consumer Advocate	27.78 %	0.00 %	0.00 %
Curtailment Provider	0.32 %	0.32 %	0.00 %
Financial Trader	1.15 %	6.75 %	0.00 %
Industrial Customer	13.89 %	0.00 %	0.00 %
IOU (inside)	42.86 %	28.57 %	7.14 %
IPP	1.72 %	3.33 %	1.37 %
Project Developer	0.00 %	0.64 %	0.00 %
Public Power (inside)	7.34 %	4.65 %	2.33 %
Retail Marketer	1.03 %	0.48 %	0.00 %
Wholesale Marketer	0.48 %	2.14 %	0.00 %

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

SECTION 2

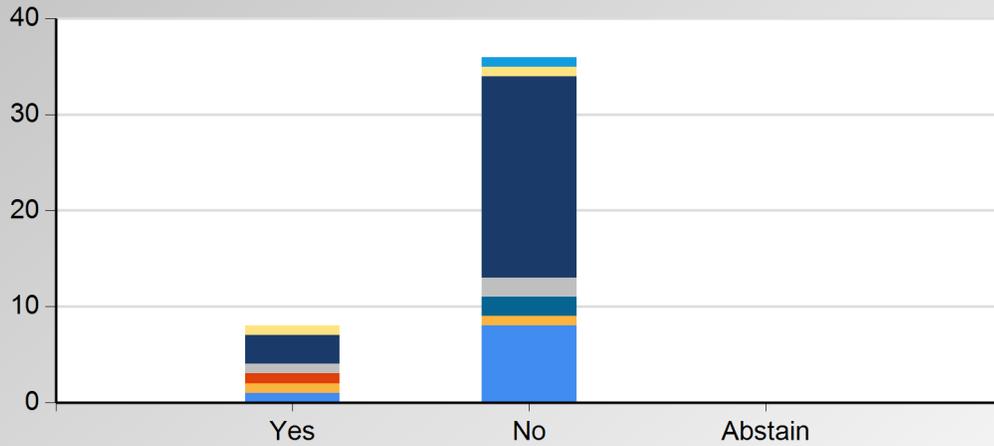
Charts displayed in this section include various portrayals of how various subsets of companies voted at the Members Committee (MC) meeting on this particular issue.

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MC Meeting Date: March 23, 2022**

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**Other Supplier Group
Vote Breakdown**

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



- Ancillary Service Provider
- Curtailment Provider
- Financial Trader
- IPP
- Project Developer
- Public Power (inside)
- Retail Marketer
- Wholesale Marketer

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

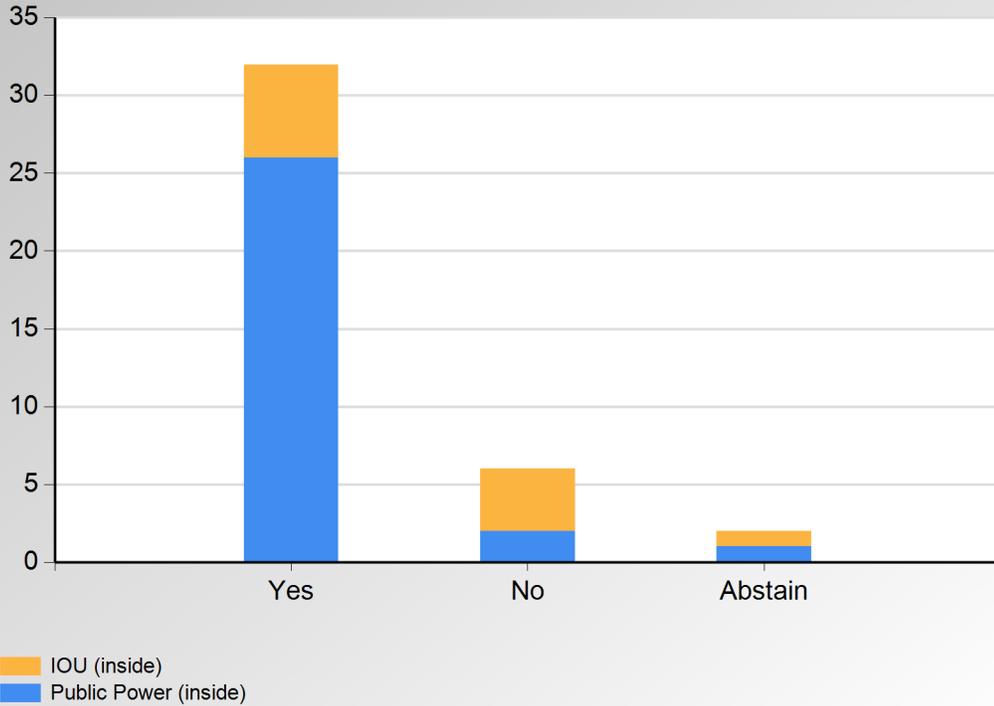
	Yes	No	Abstain
Ancillary Service Provider	0	1	0
Curtailment Provider	1	1	0
Financial Trader	3	21	0
IPP	1	2	0
Project Developer	0	2	0
Public Power (inside)	1	0	0
Retail Marketer	1	1	0
Wholesale Marketer	1	8	0

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

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(Vote Result: FAILED)

**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.

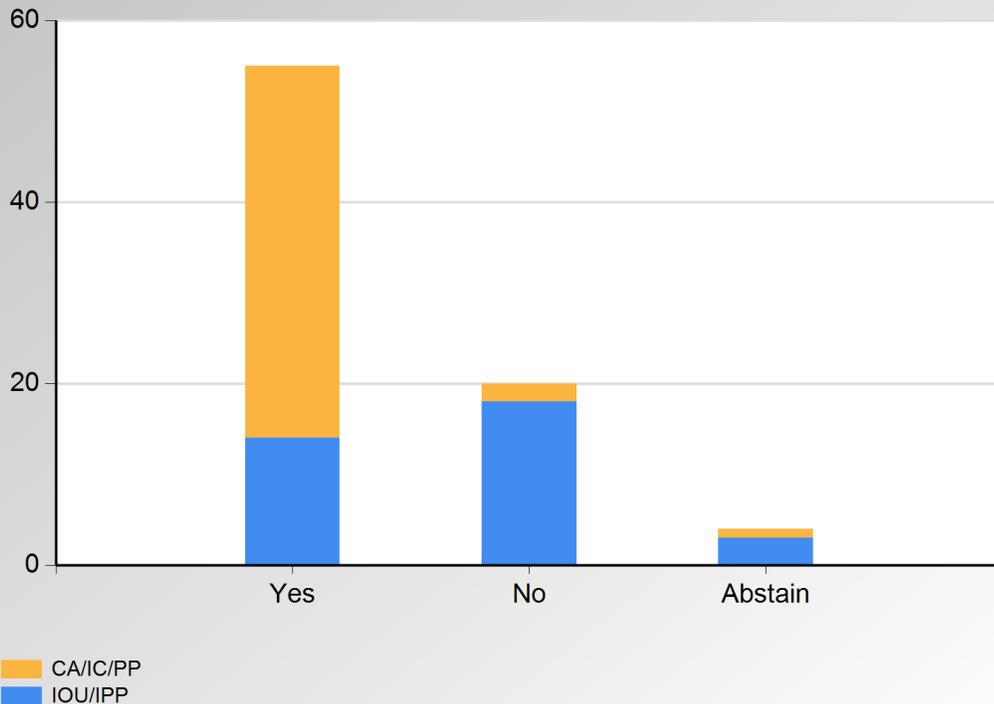
	Yes	No	Abstain
IOU (inside)	6	4	1
Public Power (inside)	26	2	1

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

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(Vote Result: FAILED)

**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 grouped together based on their responsibility to load.

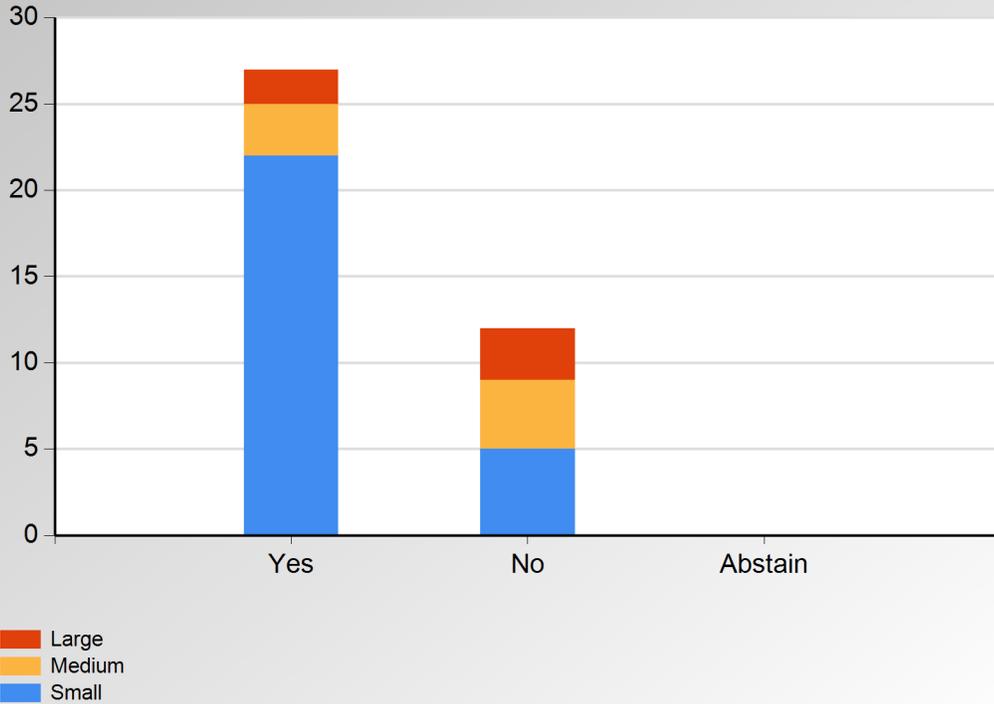
	Yes	No	Abstain
CA/IC/PP	41	2	1
IOU/IPP	14	18	3

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

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(Vote Result: FAILED)

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



Generation Groupings based on MW Installed Capacity on January 1, 2022
 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	2	3	0
Medium	3	4	0
Small	22	5	0

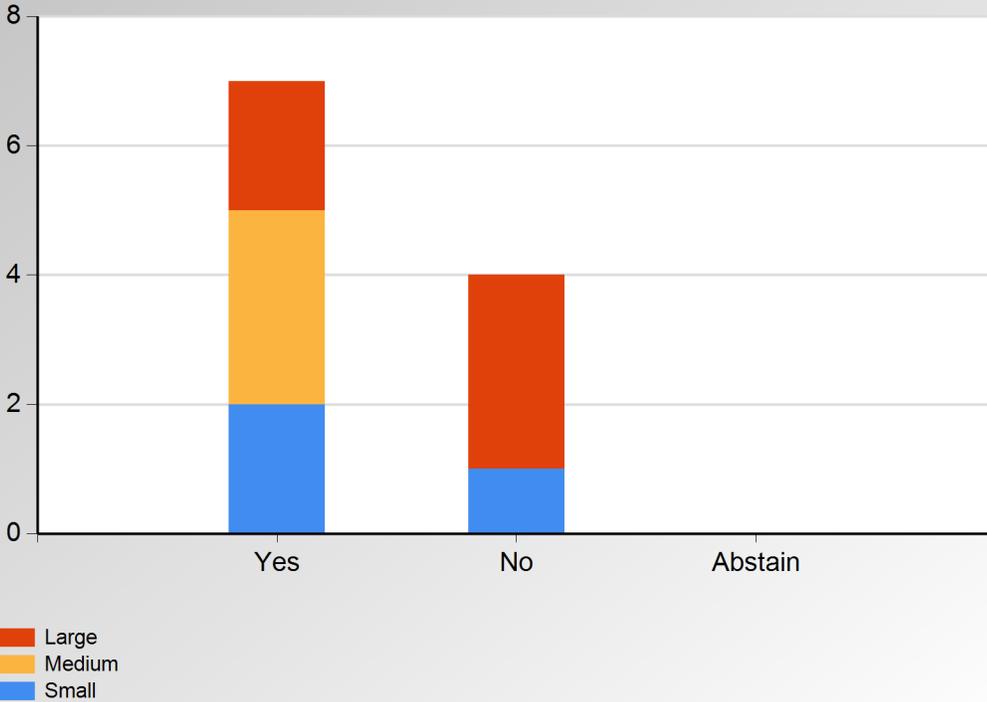
*Refer to the Company Designations table "Generation Group" column to see each company's group designation found on this chart.

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

Groups based on Revenue Reqs (\$MM) on January 1, 2022
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.

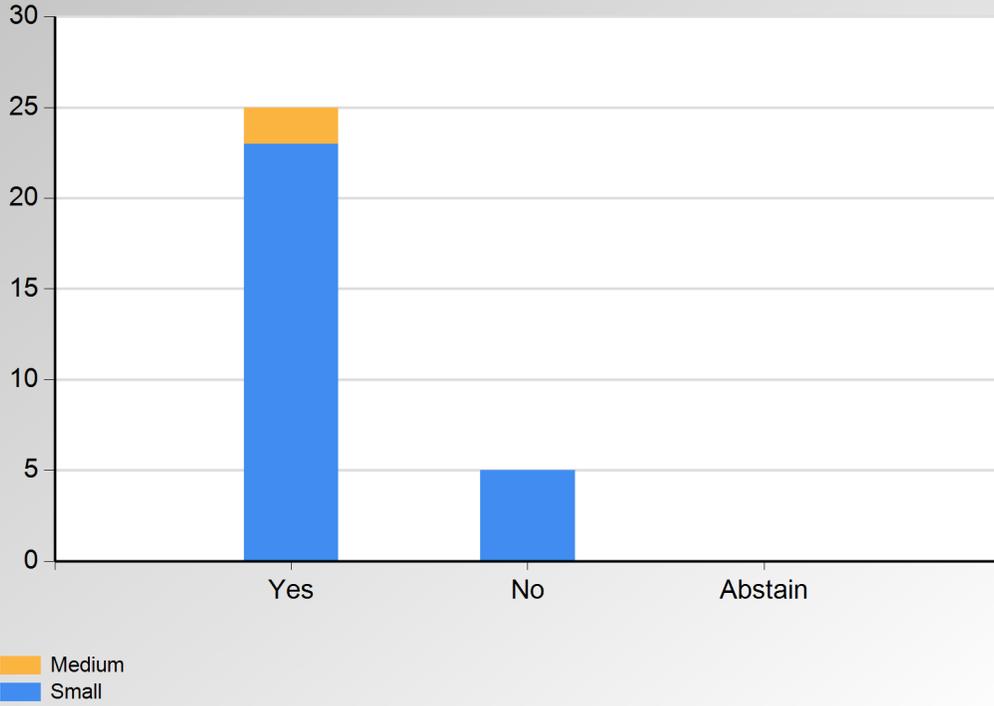
	Yes	No	Abstain
Large	2	3	0
Medium	3	0	0
Small	2	1	0

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

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MC Meeting Date: March 23, 2022**

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**Companies Serving Load within PJM
Vote Breakdown**



Groups based on Avg Real-Time Metered Load (MW) over all the hours of the year 2021
 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	23	5	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.

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SECTOR DETAIL VOTE BREAKDOWN

End-Use Customer			
Yes	No	Abstain	Sector Vote In Favor
18	0	1	100.0 %
Air Products & Chemicals, Inc.		MeadWestvaco Corporation	
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			
Messer LLC			
Office of the Attorney General, Kentucky			
Office of the People's Counsel for the District of Columbia			
Ohio Consumers' Counsel			
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
6	4	1	60.0 %
Appalachian Power Company	American Transmission Systems, Inc.	Duke Energy Business Services LLC	
Dayton Power & Light Company (The)	Exelon Business Services Company, LLC		
Duquesne Light Company	PPL Electric Utilities Corporation d/b/a PPL Utilities		
East Kentucky Power Cooperative, Inc.	Public Service Electric and Gas Company		
Rockland Electric Company			
Virginia Electric & Power Company			

Generation Owner			
Yes	No	Abstain	Sector Vote In Favor
7	16	2	30.4 %
Big Savage, LLC	Calpine Energy Services, L.P.	Cypress Creek Renewables, LLC	
Dynegy Marketing and Trade, LLC	Carroll County Energy LLC	Eastern Generation, LLC	
Elwood Energy, LLC	Constellation Energy Generation, LLC		
Kimberly-Clark Corporation	EDP Renewables North America LLC		
NRG Power Marketing LLC	Eagle Point Power Generation, LLC		
Vitol Inc.	Energy Harbor LLC		
Wheelabrator Falls Inc.	Essential Power Rock Springs, LLC		
	GenOn Energy Management, LLC		
	Hazleton Generation LLC		
	Invenergy, LLC		
	Longview Power, LLC		
	Moxie Freedom LLC		
	Newark Energy Center, LLC		
	Riverside Generating Company, L.L.C.		
	Talen Energy Marketing, LLC		
	York County Solid Waste and Refuse Authority		
Electric Distributor			
Yes	No	Abstain	Sector Vote In Favor
27	2	1	93.1 %
Borough of Butler, Butler Electric Division	American Municipal Power, Inc.	Wellsboro Electric Company	
Borough of Chambersburg	Old Dominion Electric Cooperative		
Borough of Lavallette, New Jersey			
Borough of Madison, New Jersey			
Borough of Milltown, New Jersey			
Borough of Mont Alto, Pennsylvania			
Borough of Park Ridge, New Jersey			
Borough of Pemberton, New Jersey			
Borough of Seaside Heights, New Jersey			
Borough of South River, New Jersey			
Buckeye Power, Inc.			
City of Dover, Delaware			
Delaware Municipal Electric Corporation, Inc.			
Easton Utilities Commission			
Hagerstown Light Department			
Illinois Municipal Electric Agency			

Electric Distributor			
Yes	No	Abstain	Sector Vote In Favor
27	2	1	93.1 %
Indiana Municipal Power Agency			
Kentucky Municipal Energy Agency			
Letterkenny Industrial Development Authority - PA			
Michigan Public Power Agency			
North Carolina Electric Membership Corporation			
Northern Virginia Electric Cooperative (NOVEC)			
Southern Maryland Electric Cooperative, Inc.			
Thurmont Municipal Light Company			
Town of Williamsport (The)			
Vineland Municipal Electric Utility			
Wabash Valley Power Association, Inc.			
Other Supplier			
Yes	No	Abstain	Sector Vote In Favor
8	36	0	18.2 %
Appian Way Energy Partners MidAtlantic, LLC	Affirmed Energy LLC		
Citadel FNGE Ltd.	Alphataraxia Palladium LLC		
DC Energy, LLC	Altro Power LLC		
Energy Cooperative Association of Pennsylvania (The)	Ames Energy, LLC		
Industrial Energy Users-Ohio	BJ Energy, LLC		
Shell Energy North America (US), L.P.	Big Bend Trading, LLC		
Tangent Energy Solutions, Inc.	Boston Energy Group, Inc.		
WPPI Energy	Brookfield Renewable Trading and Marketing LP		
	Elliott Bay Energy Trading, LLC		
	Enel X North America, Inc.		
	Engelhart CTP (US) LLC		
	Forest Investment Group, LLC		
	Geenex Solar LLC		
	Greene Energy NE LLC		
	H.Q. Energy Services (U.S.), Inc.		
	Hexis Energy Trading, LLC		
	Jersey Green Energy, LLC		
	MAG Energy Solutions, Inc.		
	Monterey MA LLC		
	NextEra Energy Marketing, LLC		

Other Supplier

Yes	No	Abstain	Sector Vote In Favor
8	36	0	18.2 %
	Perast Fund LP		
	Precept Power LLC		
	Pure Energy, Inc.		
	Recurrent Energy, LLC		
	Red Wolf TX2, LLC		
	SESCO Enterprises, LLC		
	Saracen Energy East LP		
	Saugatuck River Power Trading LLC		
	Strom Power, LLC		
	Taller Cube, LLC		
	The Highlands Energy Group, LLC		
	Velocity American Energy Master I, L.P.		
	Viribus Fund LP		
	WGL Energy Services, Inc.		
	Wrigley Capital LLC		
	XO Energy MA, L.P.		

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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
No	American Municipal Power, Inc.	Electric Distributor	Muni/Co-op	Buyer	Zero	Zero	Zero	Public Power (inside)
Yes	Borough of Butler, Butler Electric Division	Electric Distributor	Load Serving Entity	Buyer	Small	Zero	Small	Retail Marketer
Yes	Borough of Chambersburg	Electric Distributor	Muni/Co-op	Buyer	Small	Zero	Small	Public Power (inside)
Yes	Borough of Lavallette, New Jersey	Electric Distributor	Muni/Co-op	Buyer	Small	Zero	Small	Public Power (inside)
Yes	Borough of Madison, New Jersey	Electric Distributor	Muni/Co-op	Buyer	Small	Zero	Small	Public Power (inside)
Yes	Borough of Milltown, New Jersey	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	Borough of Park Ridge, New Jersey	Electric Distributor	Muni/Co-op	Buyer	Small	Zero	Small	Public Power (inside)
Yes	Borough of Pemberton, New Jersey	Electric Distributor	Muni/Co-op	Buyer	Small	Zero	Small	Public Power (inside)
Yes	Borough of Seaside Heights, New Jersey	Electric Distributor	Muni/Co-op	Buyer	Small	Zero	Small	Public Power (inside)
Yes	Borough of South River, New Jersey	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)
Yes	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)

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	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	Vineland Municipal Electric Utility	Electric Distributor	Muni/Co-op	Buyer	Small	Zero	Small	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)
Yes	Air Products & Chemicals, Inc.	End-Use Customer	Industrial	Buyer	Zero	Zero	Zero	Industrial Customer
Yes	Cleveland-Cliffs Steel LLC	End-Use Customer	Load Serving Entity	Buyer	Zero	Zero	Small	Retail Marketer
Yes	Delaware Division of the Public Advocate	End-Use Customer	Consumer Advocate	Buyer	Zero	Zero	Zero	Consumer Advocate
Yes	Gerdau Ameristeel Energy, Inc.	End-Use Customer	Financial Trader	Buyer	Zero	Zero	Zero	Financial Trader
Yes	Illinois Citizen Utility Board	End-Use Customer	Consumer Advocate	Buyer	Zero	Zero	Zero	Consumer Advocate
Yes	Indiana Office of Utility Consumer Counselor (IN OUCC)	End-Use Customer	Consumer Advocate	Buyer	Zero	Zero	Zero	Consumer Advocate
Yes	Lehigh Portland Cement Company	End-Use Customer	Industrial	Buyer	Zero	Zero	Zero	Industrial Customer
Yes	Linde Inc.	End-Use Customer	Industrial	Buyer	Zero	Zero	Zero	Industrial Customer
Yes	Maryland Office of People's Counsel	End-Use Customer	Consumer Advocate	Buyer	Zero	Zero	Zero	Consumer Advocate
Abstain	MeadWestvaco Corporation	End-Use Customer	Generation	Buyer	Zero	Zero	Zero	IPP
Yes	Messer LLC	End-Use Customer	Industrial	Seller	Zero	Zero	Zero	Industrial Customer
Yes	Office of the Attorney General, Kentucky	End-Use Customer	Consumer Advocate	Buyer	Zero	Zero	Zero	Consumer Advocate
Yes	Office of the People's Counsel for the District of Columbia	End-Use Customer	Consumer Advocate	Buyer	Zero	Zero	Zero	Consumer Advocate
Yes	Ohio Consumers' Counsel	End-Use Customer	Consumer Advocate	Buyer	Zero	Zero	Zero	Consumer Advocate
Yes	Pennsylvania Office of Consumer Advocate	End-Use Customer	Consumer Advocate	Buyer	Zero	Zero	Zero	Consumer Advocate
Yes	Procter & Gamble Paper Products Company (The)	End-Use Customer	Industrial	Buyer	Zero	Zero	Zero	Industrial Customer
Yes	Public Staff - North Carolina Utilities Commission	End-Use Customer	Consumer Advocate	Buyer	Zero	Zero	Zero	Consumer Advocate
Yes	Trustees of the University of Pennsylvania	End-Use Customer	Load Serving Entity	Buyer	Zero	Zero	Small	Retail Marketer
Yes	West Virginia Consumer Advocate Division	End-Use Customer	Consumer Advocate	Buyer	Zero	Zero	Zero	Consumer Advocate

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	Big Savage, LLC	Generation Owner	Generation	Seller	Small	Zero	Zero	IPP
No	Calpine Energy Services, L.P.	Generation Owner	Load Serving Entity	Seller	Large	Zero	Zero	Retail Marketer
No	Carroll County Energy LLC	Generation Owner	Generation Owner/Ancillary Service Provider	Seller	Medium	Zero	Zero	Ancillary Service Provider
No	Constellation Energy Generation, LLC	Generation Owner	Generation	Buyer	Large	Zero	Zero	IPP
Abstain	Cypress Creek Renewables, LLC	Generation Owner	Generation	Buyer	Zero	Zero	Zero	IPP
Yes	Dynergy Marketing and Trade, LLC	Generation Owner	Generation	Seller	Zero	Zero	Zero	IPP
No	Eagle Point Power Generation, LLC	Generation Owner	Generation	Seller	Small	Zero	Zero	IPP
Abstain	Eastern Generation, LLC	Generation Owner	Generation Owner/Ancillary Service Provider	Buyer	Zero	Zero	Zero	Ancillary Service Provider
No	EDP Renewables North America LLC	Generation Owner	Generation	Buyer	Small	Zero	Zero	IPP
Yes	Elwood Energy, LLC	Generation Owner	Generation	Seller	Zero	Zero	Zero	IPP
No	Energy Harbor LLC	Generation Owner	Generation	Seller	Zero	Zero	Small	IPP
No	Energy Harbor LLC	Generation Owner	Generation	Seller	Zero	Zero	Small	IPP
No	Energy Harbor LLC	Generation Owner	Generation	Seller	Zero	Zero	Small	IPP
No	Essential Power Rock Springs, LLC	Generation Owner	Generation	Seller	Zero	Zero	Zero	IPP
No	GenOn Energy Management, LLC	Generation Owner	Generation	Seller	Zero	Zero	Zero	IPP
No	Hazleton Generation LLC	Generation Owner	Generation	Seller	Small	Zero	Zero	IPP
No	Invenergy, LLC	Generation Owner	Generation	Buyer	Zero	Zero	Zero	IPP
Yes	Kimberly-Clark Corporation	Generation Owner	Generation	Seller	Zero	Zero	Zero	IPP
No	Longview Power, LLC	Generation Owner	Generation	Seller	Medium	Zero	Zero	IPP
No	Moxie Freedom LLC	Generation Owner	Generation Owner/Ancillary Service Provider	Seller	Medium	Zero	Zero	Ancillary Service Provider
No	Newark Energy Center, LLC	Generation Owner	Generation	Seller	Zero	Zero	Zero	IPP
Yes	NRG Power Marketing LLC	Generation Owner	Generation	Buyer	Medium	Zero	Zero	IPP
No	Riverside Generating Company, L.L.C.	Generation Owner	Power Marketer	Buyer	Zero	Zero	Zero	Wholesale Marketer
No	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
No	York County Solid Waste and Refuse Authority	Generation Owner	Generation	Seller	Small	Zero	Zero	IPP
No	Affirmed Energy LLC	Other Supplier	Curtailed Service Provider/Ancillary Service Provider	Seller	Zero	Zero	Zero	Ancillary Service Provider
No	Alphataraxia Palladium LLC	Other Supplier	Power Marketer	Seller	Zero	Zero	Zero	Wholesale 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	Altro Power LLC	Other Supplier	Financial Trader	Buyer	Zero	Zero	Zero	Financial Trader
No	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
No	Big Bend Trading, LLC	Other Supplier	Financial Trader	Seller	Zero	Zero	Zero	Financial Trader
No	BJ Energy, LLC	Other Supplier	Financial Trader	Seller	Zero	Zero	Zero	Financial Trader
No	Boston Energy Group, Inc.	Other Supplier	Financial Trader	Seller	Zero	Zero	Zero	Financial Trader
No	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
Yes	DC Energy, LLC	Other Supplier	Financial Trader	Seller	Zero	Zero	Zero	Financial Trader
No	Elliott Bay Energy Trading, LLC	Other Supplier	Financial Trader	Seller	Zero	Zero	Zero	Financial Trader
No	Enel X North America, Inc.	Other Supplier	Curtailment Service Provider	Seller	Zero	Zero	Zero	Curtailment Provider
Yes	Energy Cooperative Association of Pennsylvania (The)	Other Supplier	Muni/Co-op	Buyer	Zero	Zero	Zero	Public Power (inside)
No	Engelhart CTP (US) LLC	Other Supplier	Power Marketer	Seller	Zero	Zero	Zero	Wholesale Marketer
No	Forest Investment Group, LLC	Other Supplier	Financial Trader	Seller	Zero	Zero	Zero	Financial Trader
No	Geenex Solar LLC	Other Supplier	Project Developer	Buyer	Zero	Zero	Zero	Project Developer
No	Greene Energy NE LLC	Other Supplier	Financial Trader	Seller	Zero	Zero	Zero	Financial Trader
No	H.Q. Energy Services (U.S.), Inc.	Other Supplier	Power Marketer	Buyer	Zero	Zero	Zero	Wholesale Marketer
No	Hexis Energy Trading, LLC	Other Supplier	Financial Trader	Seller	Zero	Zero	Zero	Financial Trader
Yes	Industrial Energy Users-Ohio	Other Supplier	Load Serving Entity	Seller	Zero	Zero	Zero	Retail Marketer
No	Jersey Green Energy, LLC	Other Supplier	Financial Trader	Buyer	Zero	Zero	Zero	Financial Trader
No	MAG Energy Solutions, Inc.	Other Supplier	Power Marketer	Buyer	Zero	Zero	Zero	Wholesale Marketer
No	Monterey MA LLC	Other Supplier	Power Marketer	Buyer	Zero	Zero	Zero	Wholesale Marketer
No	NextEra Energy Marketing, LLC	Other Supplier	Generation	Buyer	Small	Zero	Zero	IPP
No	Perast Fund LP	Other Supplier	Financial Trader	Seller	Zero	Zero	Zero	Financial Trader
No	Precept Power LLC	Other Supplier	Financial Trader	Buyer	Zero	Zero	Zero	Financial Trader
No	Pure Energy, Inc.	Other Supplier	Financial Trader	Buyer	Zero	Zero	Zero	Financial Trader
No	Recurrent Energy, LLC	Other Supplier	Project Developer	Buyer	Zero	Zero	Zero	Project Developer
No	Red Wolf TX2, LLC	Other Supplier	Financial Trader	Seller	Zero	Zero	Zero	Financial Trader
No	Saracen Energy East LP	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
No	Saugatuck River Power Trading LLC	Other Supplier	Financial Trader	Seller	Zero	Zero	Zero	Financial Trader
No	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
No	Strom Power, LLC	Other Supplier	Financial Trader	Seller	Zero	Zero	Zero	Financial Trader
No	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
No	The Highlands Energy Group, LLC	Other Supplier	Financial Trader	Seller	Zero	Zero	Zero	Financial Trader
No	Velocity American Energy Master I, L.P.	Other Supplier	Power Marketer	Seller	Zero	Zero	Zero	Wholesale Marketer
No	Viribus Fund LP	Other Supplier	Financial Trader	Buyer	Zero	Zero	Zero	Financial Trader
No	WGL Energy Services, Inc.	Other Supplier	Load Serving Entity	Buyer	Zero	Zero	Small	Retail Marketer
Yes	WPPI Energy	Other Supplier	Power Marketer	Buyer	Zero	Zero	Zero	Wholesale Marketer
No	Wrigley Capital LLC	Other Supplier	Financial Trader	Seller	Zero	Zero	Zero	Financial Trader
No	XO Energy MA, L.P.	Other Supplier	Power Marketer	Buyer	Zero	Zero	Zero	Wholesale Marketer
No	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)
Abstain	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)
No	Exelon Business Services Company, LLC	Transmission Owner	Transmission Owner	Buyer	Zero	Zero	Zero	IOU (inside)
No	PPL Electric Utilities Corporation d/b/a PPL Utilities	Transmission Owner	Transmission Owner	Buyer	Zero	Zero	Small	IOU (inside)
No	Public Service Electric and 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)
Yes	Virginia Electric & Power Company	Transmission Owner	Transmission Owner	Buyer	Zero	Large	Zero	IOU (inside)