

SUPPLEMENTAL VOTING RESULTS

PJM Members Committee
MC Meeting Date: April 21, 2021

Item: b. Do you approve proposed revisions to Manual 34?

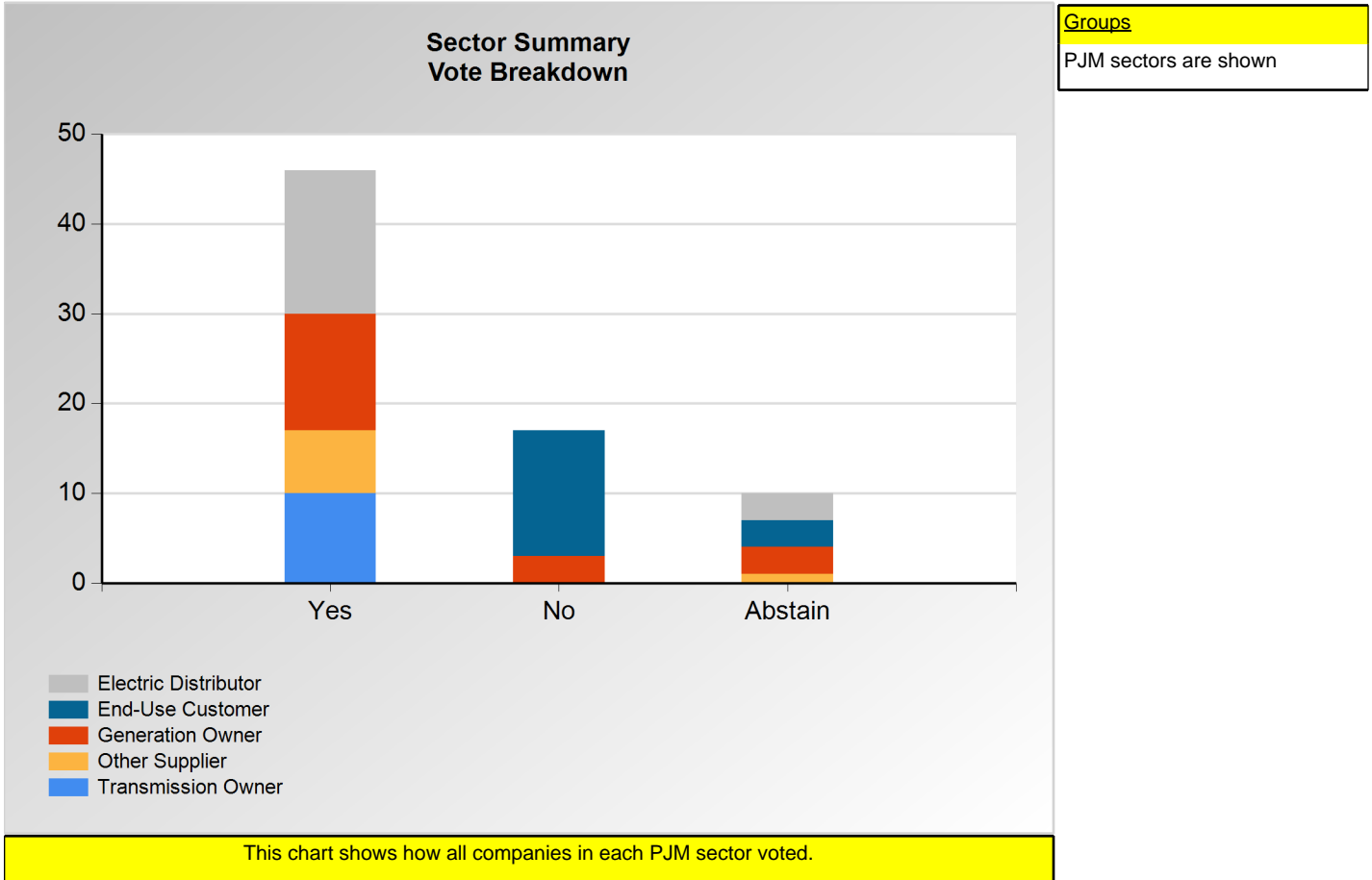
(Vote Result: PASSED)

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: April 21, 2021**

Item b.: Do you approve proposed revisions to Manual 34?
(Vote Result: PASSED)



Additional Detail:

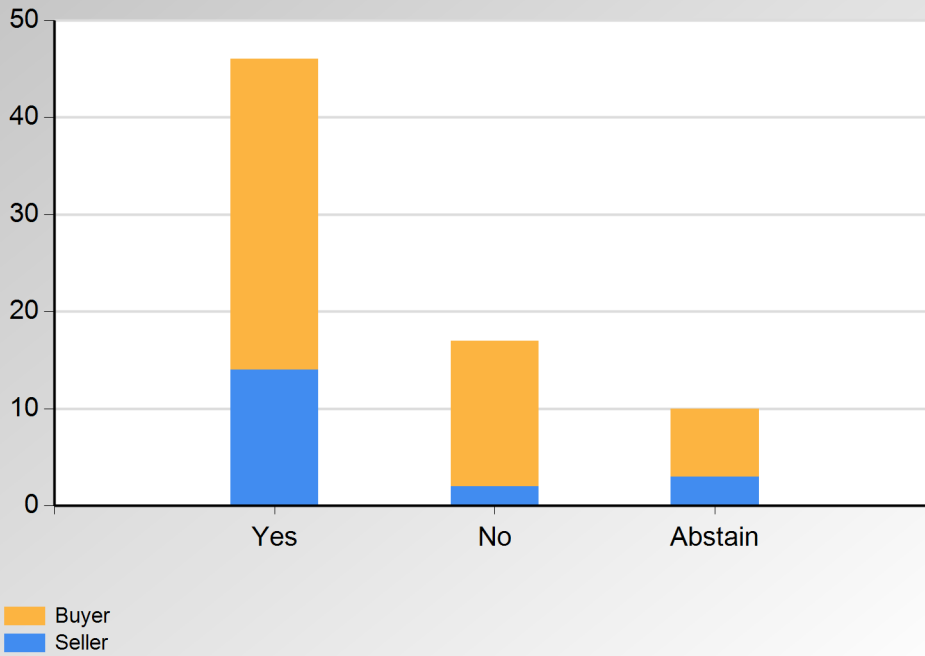
	Eligible	Attended	Did Not Vote	Yes	No	Abstain	Sector Vote In Favor	Sector Weight in Favor
End-Use Customer	31	18	1	0	14	3	0.0 %	0.000
Transmission Owner	14	12	2	10	0	0	100.0 %	1.000
Generation Owner	108	29	10	13	3	3	81.3 %	0.813
Electric Distributor	42	24	5	16	0	3	100.0 %	1.000
Other Supplier	304	20	12	7	0	1	100.0 %	1.000
Total	499	103	30	46	17	10		3.813

*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: April 21, 2021**

Item b.: Do you approve proposed revisions to Manual 34?
(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.

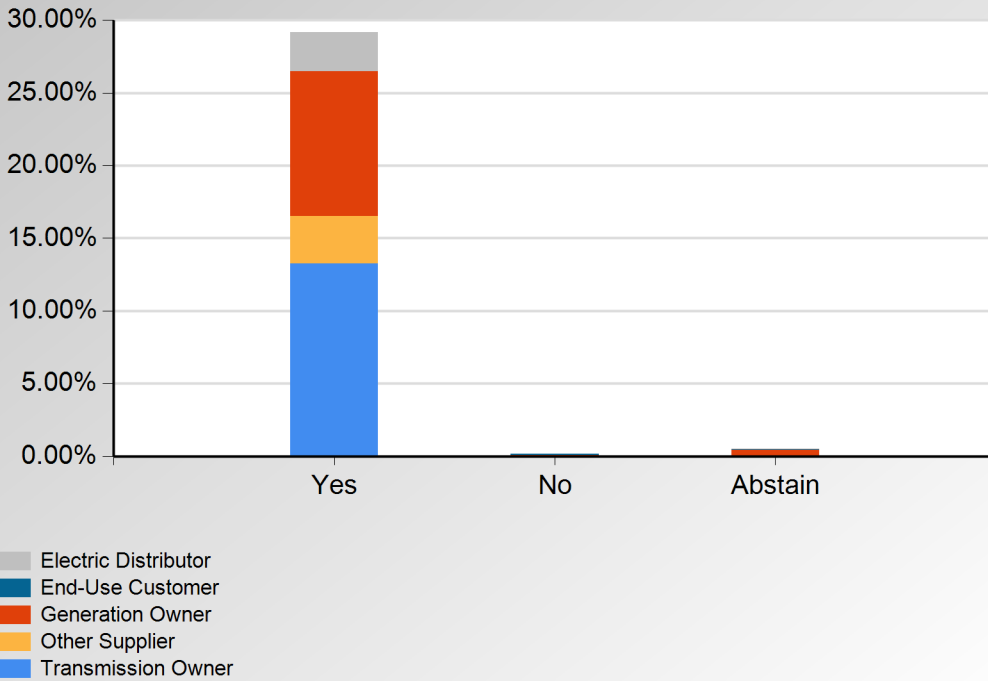
	Yes	No	Abstain
Buyer	32	15	7
Seller	14	2	3

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

**PJM Members Committee
MC Meeting Date: April 21, 2021**

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(Vote Result: PASSED)

**Total of Default Allocation Percentages
per Sector
Vote Breakdown**



Groups

PJM sectors are shown

Default Allocation per Sector as of: May 10, 2019

This chart shows how each sector voted from the perspective of measuring gross activity in PJM-administered, exclusive of bilateral activity. "Gross activity" is determined by totaling the Default Allocation percentage of all companies that voted, per sector, as defined under Operating Agreement paragraph 15.2.4(a).

	Yes	No	Abstain
Electric Distributor	2.687 %	0.000%	0.082 %
End-Use Customer	0.000%	0.095 %	0.036 %
Generation Owner	9.969 %	0.076 %	0.412 %
Other Supplier	3.255 %	0.000%	0.001 %
Transmission Owner	13.272 %	0.000%	0.000%

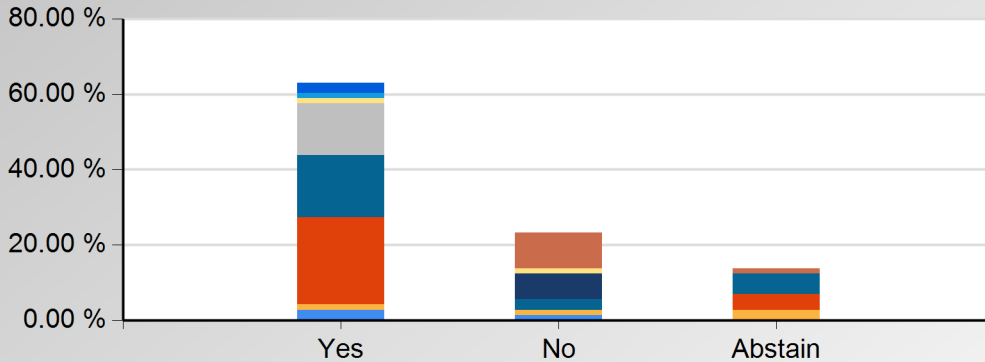
*Refer to the Company Designations table "Company Sector" column to see each company's group designation found on this chart.

**PJM Members Committee
MC Meeting Date: April 21, 2021**

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(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.



- Ancillary Service Provider
- Consumer Advocate
- Curtailment Provider
- Financial Trader
- Industrial Customer
- IOU (inside)
- IPP
- Public Power (inside)
- Retail Marketer
- Wholesale Marketer

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	1.85 %	0.00 %	0.00 %
Consumer Advocate	0.00 %	22.58 %	3.23 %
Curtailment Provider	0.33 %	0.00 %	0.00 %
Financial Trader	0.33 %	3.23 %	0.00 %
Industrial Customer	0.00 %	16.13 %	0.00 %
IOU (inside)	71.43 %	0.00 %	0.00 %
IPP	2.91 %	1.85 %	2.88 %
Public Power (inside)	4.91 %	0.00 %	7.14 %
Retail Marketer	0.93 %	3.23 %	0.60 %
Wholesale Marketer	0.66 %	0.93 %	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

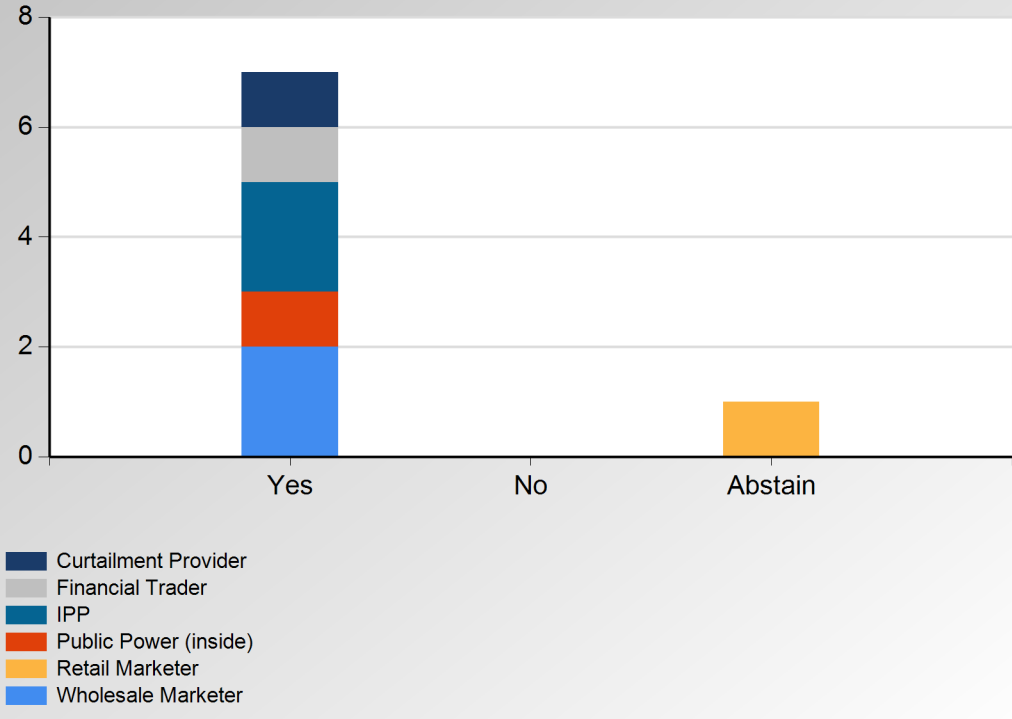
Charts displayed in this section include various portrayals of how various subsets of companies voted at the Members Committee (MC) meeting on this particular issue.

**PJM Members Committee
MC Meeting Date: April 21, 2021**

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**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.

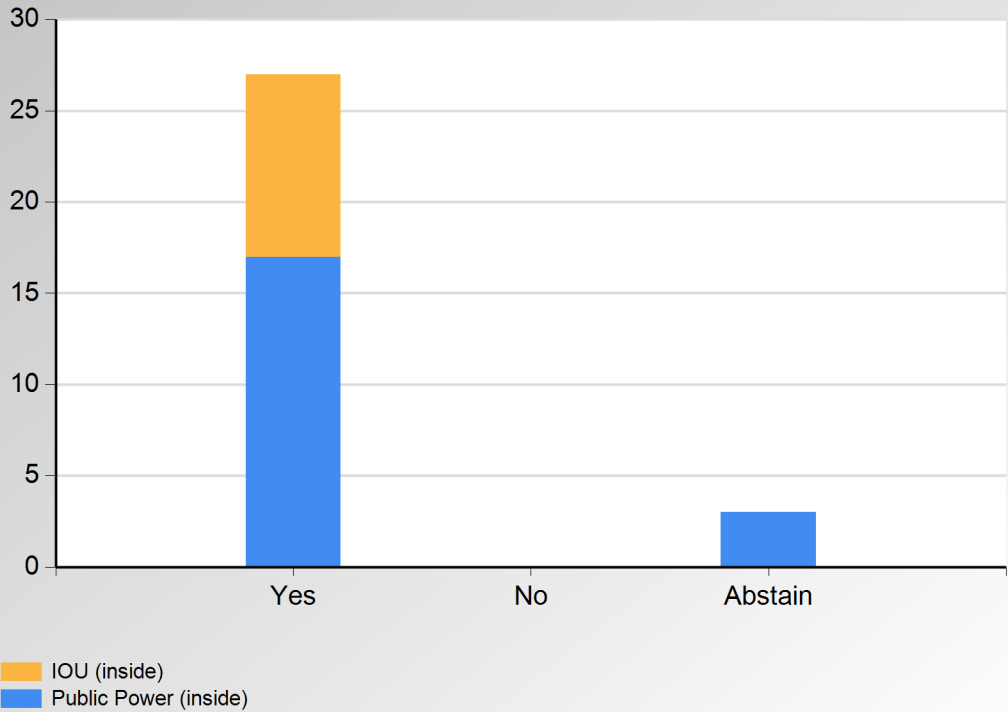
	Yes	No	Abstain
Curtailment Provider	1	0	0
Financial Trader	1	0	0
IPP	2	0	0
Public Power (inside)	1	0	0
Retail Marketer	0	0	1
Wholesale Marketer	2	0	0

*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: April 21, 2021**

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**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.

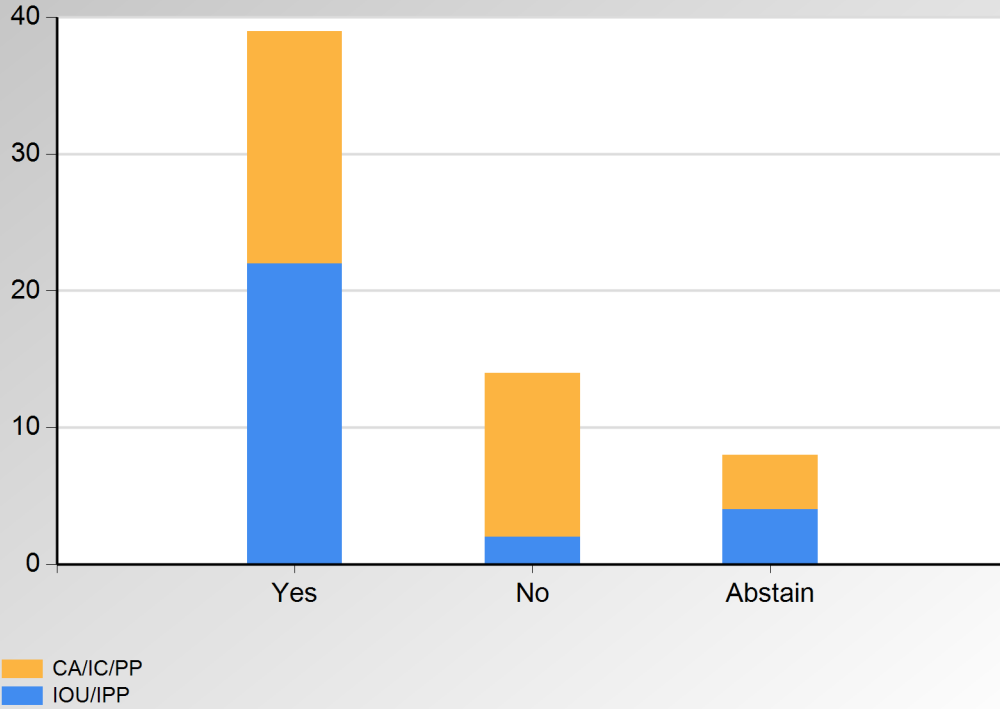
	Yes	No	Abstain
IOU (inside)	10	0	0
Public Power (inside)	17	0	3

*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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**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.

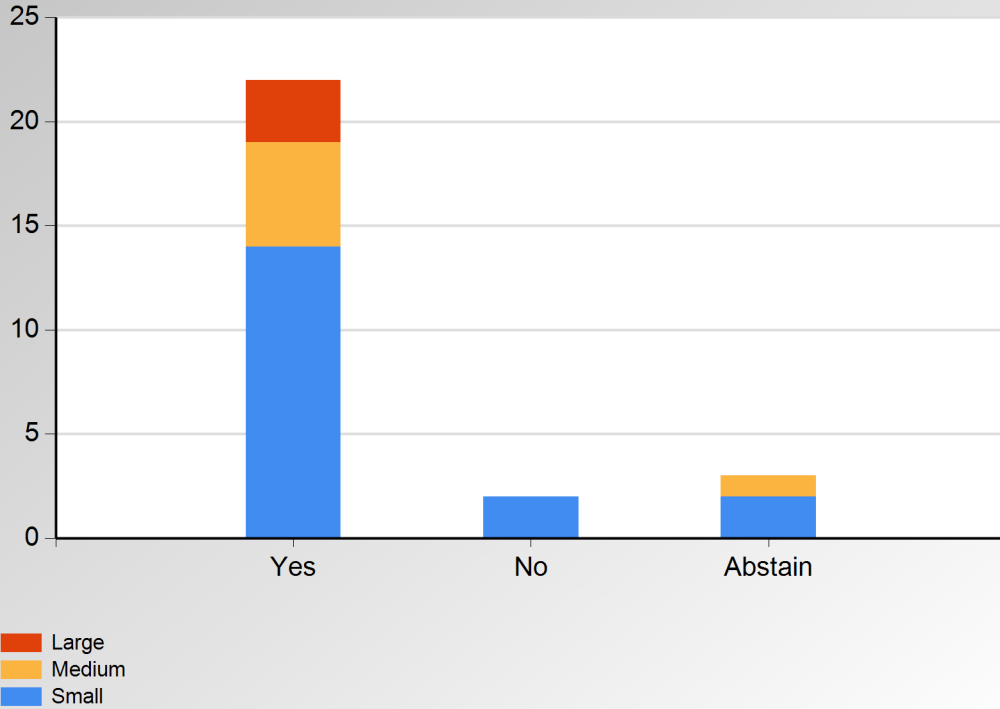
	Yes	No	Abstain
CA/IC/PP	17	12	4
IOU/IPP	22	2	4

*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: April 21, 2021**

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**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.

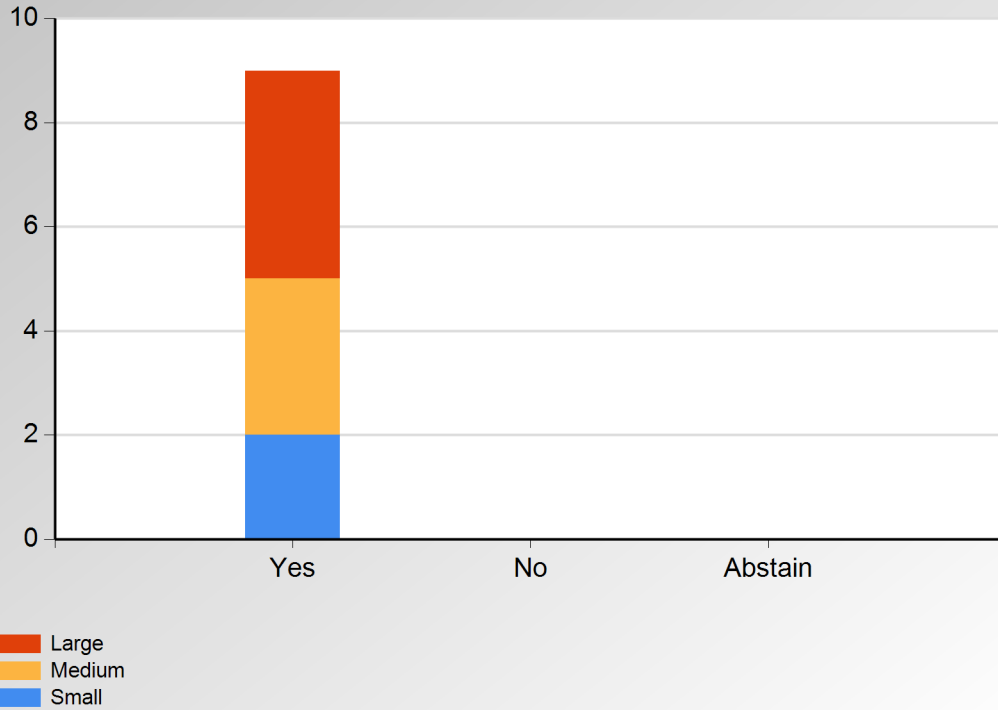
	Yes	No	Abstain
Large	3	0	0
Medium	5	0	1
Small	14	2	2

*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: April 21, 2021**

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**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.

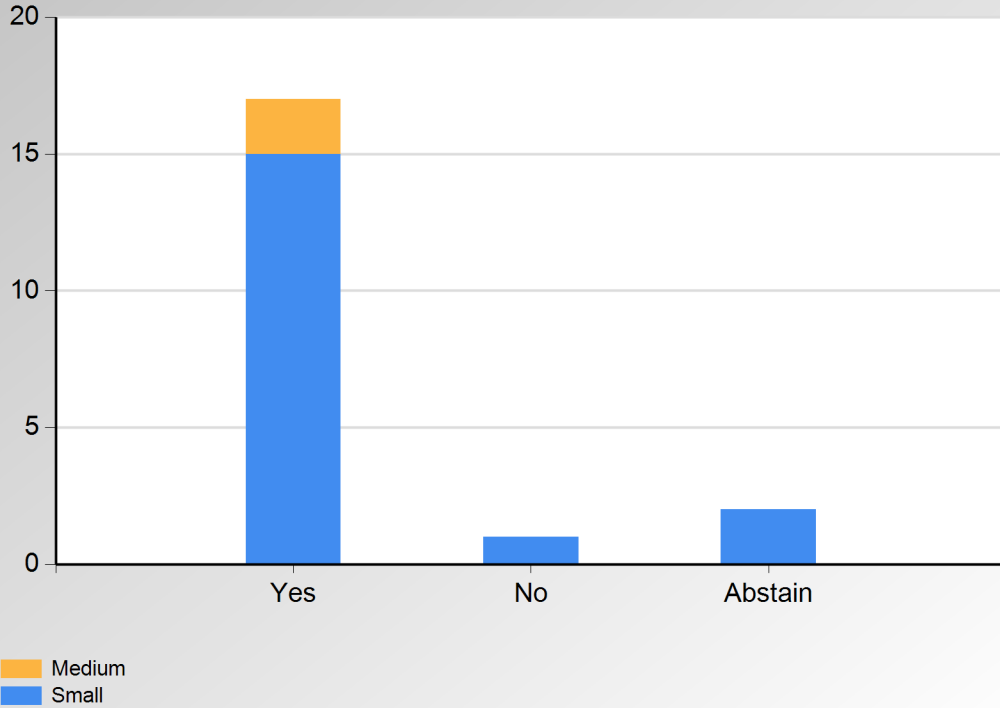
	Yes	No	Abstain
Large	4	0	0
Medium	3	0	0
Small	2	0	0

*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: April 21, 2021**

Item b.: Do you approve proposed revisions to Manual 34?
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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
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	15	1	2

*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: April 21, 2021**

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SECTOR DETAIL VOTE BREAKDOWN

End-Use Customer			
Yes	No	Abstain	Sector Vote In Favor
0	14	3	0.0 %
	Air Products & Chemicals, Inc.	MeadWestvaco Corporation	
	Cleveland-Cliffs Steel LLC	Public Staff - North Carolina Utilities Commission	
	Delaware Division of the Public Advocate	Trustees of the University of Pennsylvania	
	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		
	New Jersey Division of Rate Counsel		
	Office of the Attorney General, Kentucky		
	Office of the People's Counsel for the District of Columbia		
	Procter & Gamble Paper Products Company (The)		
Transmission Owner			
Yes	No	Abstain	Sector Vote In Favor
10	0	0	100.0 %
	American Transmission Systems, Inc.		
	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		
	PPL Electric Utilities Corporation d/b/a PPL Utilities		
	Public Service Electric & Gas Company		
	Virginia Electric & Power Company		

Generation Owner			
Yes	No	Abstain	Sector Vote In Favor
13	3	3	81.3 %
Calpine Energy Services, L.P.	Avangrid Renewables, LLC	Big Savage, LLC	
Carroll County Energy LLC	EDP Renewables North America LLC	Kimberly-Clark Corporation	
Dynegy Marketing and Trade, LLC	Riverside Generating Company, L.L.C.	NRG Power Marketing, LLC	
Eagle Point Power Generation, LLC			
Eastern Generation, LLC			
Elwood Energy, LLC			
Energy Harbor LLC			
Essential Power Rock Springs, LLC			
GenOn Energy Management, LLC			
Longview Power, LLC			
Michigan Public Power Agency			
Wheelabrator Falls Inc.			
York County Solid Waste and Refuse Authority			
Electric Distributor			
Yes	No	Abstain	Sector Vote In Favor
16	0	3	100.0 %
Borough of Chambersburg		Letterkenny Industrial Development Authority - PA	
Borough of Mont Alto, Pennsylvania		Wabash Valley Power Association, Inc.	
Buckeye Power, Inc.		Wellsboro Electric Company	
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			
North Carolina Electric Membership Corporation			
Northern Virginia Electric Cooperative (NOVEC)			
Old Dominion Electric Cooperative			
Southern Maryland Electric Cooperative, Inc.			
Thurmont Municipal Light Company			
Town of Williamsport (The)			

Other Supplier			
Yes	No	Abstain	Sector Vote In Favor
7	0	1	100.0 %
Brookfield Renewable Trading and Marketing LP		Industrial Energy Users-Ohio	
Energy Cooperative Association of Pennsylvania (The)			
Jersey Green Energy, LLC			
Madison Gas & Electric Co.			
NextEra Energy Marketing, LLC			
Tangent Energy Solutions, Inc.			
WPPI Energy			

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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
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)
Abstain	Letterkenny Industrial Development Authority - PA	Electric Distributor	Muni/Co-op	Buyer	Zero	Zero	Small	Public Power (inside)
Yes	North Carolina Electric Membership Corporation	Electric Distributor	Muni/Co-op	Buyer	Small	Zero	Small	Public Power (inside)
Yes	Northern Virginia Electric Cooperative (NOVEC)	Electric Distributor	Muni/Co-op	Buyer	Zero	Zero	Small	Public Power (inside)
Yes	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)
Abstain	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
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

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	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
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
Abstain	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
No	Office of the People's Counsel for the District of Columbia	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
Abstain	Public Staff - North Carolina Utilities Commission	End-Use Customer	Consumer Advocate	Buyer	Zero	Zero	Zero	Consumer Advocate
Abstain	Trustees of the University of Pennsylvania	End-Use Customer	Load Serving Entity	Buyer	Zero	Zero	Small	Retail Marketer
No	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
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
Yes	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
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
Abstain	Kimberly-Clark Corporation	Generation Owner	Generation	Seller	Zero	Zero	Zero	IPP
Yes	Longview Power, LLC	Generation Owner	Generation	Seller	Medium	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	Michigan Public Power Agency	Generation Owner	Generation	Buyer	Small	Zero	Zero	IPP
Abstain	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
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	Brookfield Renewable Trading and Marketing LP	Other Supplier	Generation	Seller	Zero	Zero	Zero	IPP
Yes	Energy Cooperative Association of Pennsylvania (The)	Other Supplier	Muni/Co-op	Buyer	Zero	Zero	Zero	Public Power (inside)
Abstain	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	Madison Gas & Electric Co.	Other Supplier	Power Marketer	Buyer	Zero	Zero	Zero	Wholesale Marketer
Yes	NextEra Energy Marketing, LLC	Other Supplier	Generation	Buyer	Small	Zero	Zero	IPP
Yes	Tangent Energy Solutions, Inc.	Other Supplier	Curtailment Service Provider	Seller	Zero	Zero	Zero	Curtailment Provider
Yes	WPPI Energy	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	Virginia Electric & Power Company	Transmission Owner	Transmission Owner	Buyer	Zero	Large	Zero	IOU (inside)