

**SUPPLEMENTAL VOTING RESULTS**

PJM Members Committee  
MC Meeting Date: January 23, 2020

Item: 1a. Motion to Appeal the Decision of the Chair?

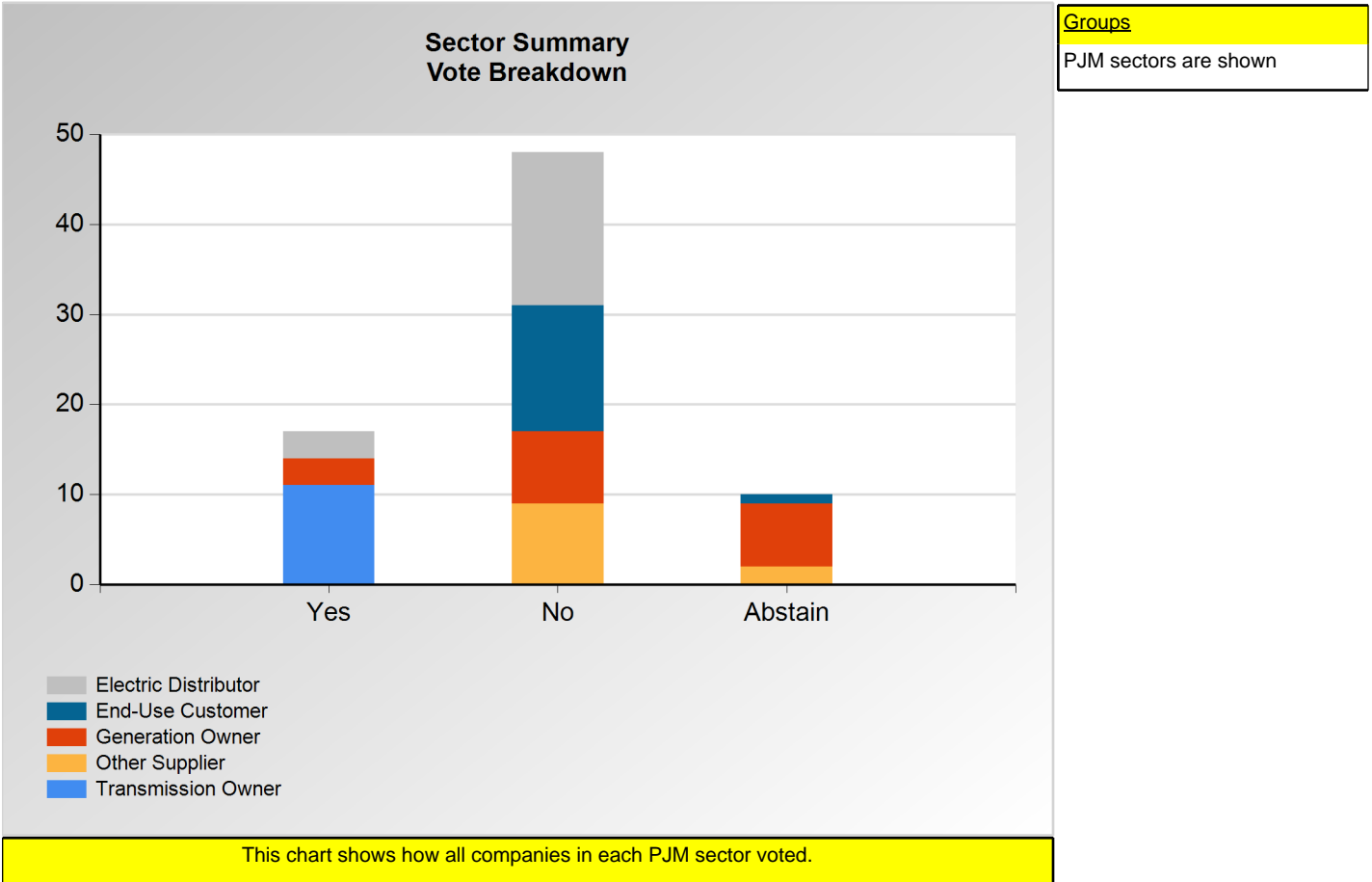
(Vote Result: FAILED)

## 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.

**PJM Members Committee**  
**MC Meeting Date: January 23, 2020**

Item 1a.: Motion to Appeal the Decision of the Chair?  
 (Vote Result: FAILED)



**Additional Detail:**

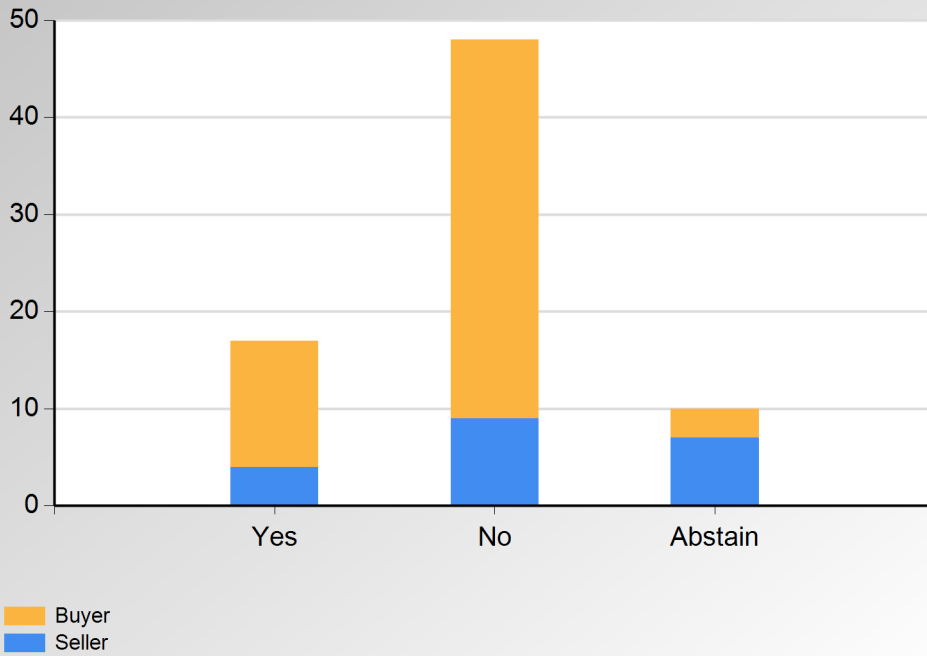
	Eligible	Attended	Did Not Vote	Yes	No	Abstain	Sector Vote In Favor	Sector Weight in Favor
End-Use Customer	30	15	0	0	14	1	0.0 %	0.000
Transmission Owner	14	11	0	11	0	0	100.0 %	1.000
Generation Owner	111	19	1	3	8	7	27.3 %	0.273
Electric Distributor	44	24	4	3	17	0	15.0 %	0.150
Other Supplier	316	36	25	0	9	2	0.0 %	0.000
<b>Total</b>	<b>515</b>	<b>105</b>	<b>30</b>	<b>17</b>	<b>48</b>	<b>10</b>		<b>1.423</b>

\*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: January 23, 2020**

Item 1a.: Motion to Appeal the Decision of the Chair?  
(Vote Result: FAILED)

**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.

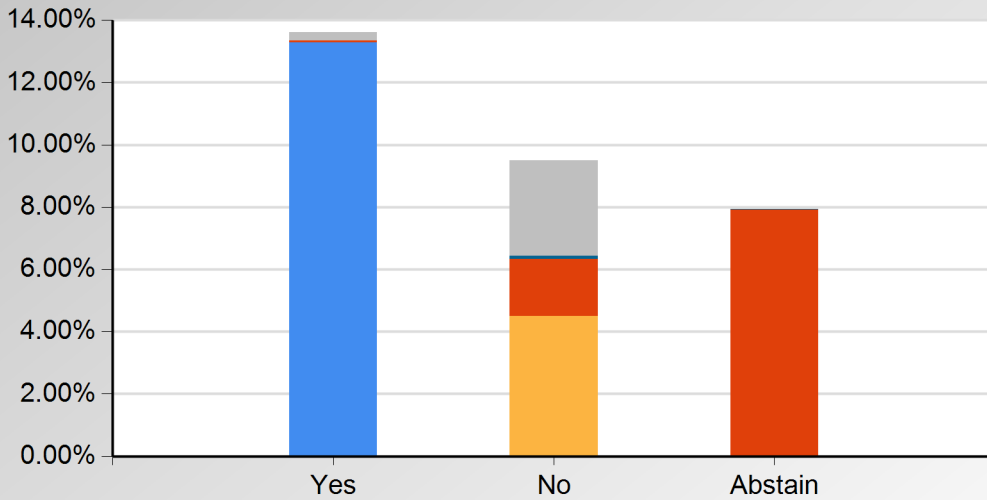
	Yes	No	Abstain
Buyer	13	39	3
Seller	4	9	7

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

**PJM Members Committee  
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(Vote Result: FAILED)

**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	0.255 %	3.058 %	0.000%
End-Use Customer	0.000%	0.095 %	0.010 %
Generation Owner	0.060 %	1.835 %	7.913 %
Other Supplier	0.000%	4.505 %	0.004 %
Transmission Owner	13.292 %	0.000%	0.000%

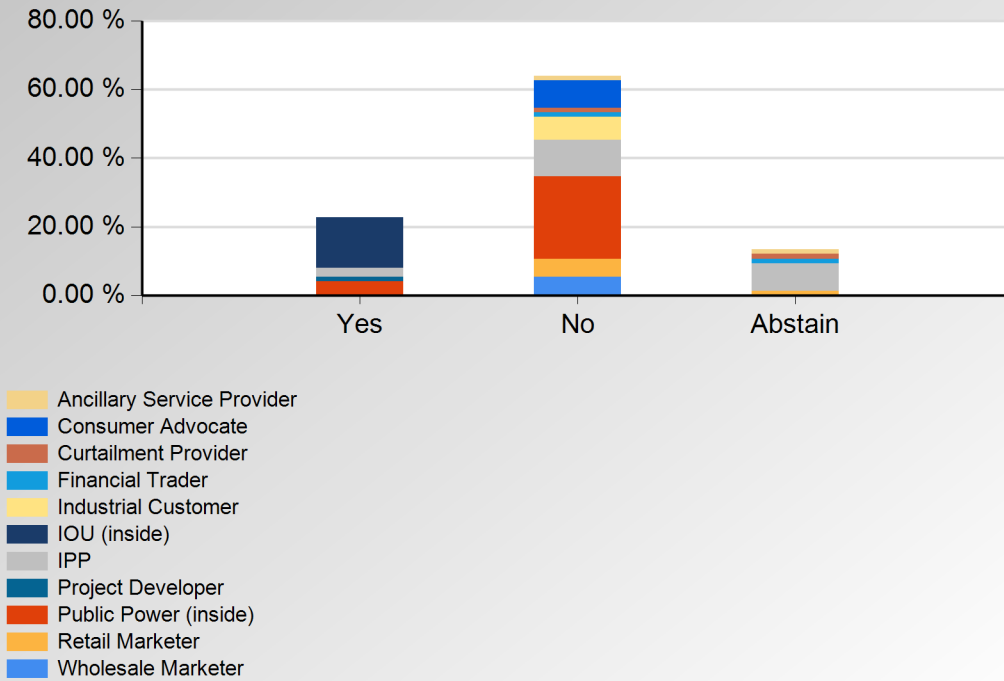
\*Refer to the Company Designations table "Company Sector" column to see each company's group designation found on this chart.

**PJM Members Committee**  
**MC Meeting Date: January 23, 2020**

Item 1a.: Motion to Appeal the Decision of the Chair?  
 (Vote Result: FAILED)

**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 %	0.90 %	0.90 %
Consumer Advocate	0.00 %	20.00 %	0.00 %
Curtailment Provider	0.00 %	0.32 %	0.32 %
Financial Trader	0.00 %	3.33 %	0.32 %
Industrial Customer	0.00 %	16.67 %	0.00 %
IOU (inside)	78.57 %	0.00 %	0.00 %
IPP	1.80 %	1.75 %	5.41 %
Project Developer	0.90 %	0.00 %	0.00 %
Public Power (inside)	6.82 %	5.00 %	0.00 %
Retail Marketer	0.00 %	0.88 %	3.33 %
Wholesale Marketer	0.00 %	0.94 %	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

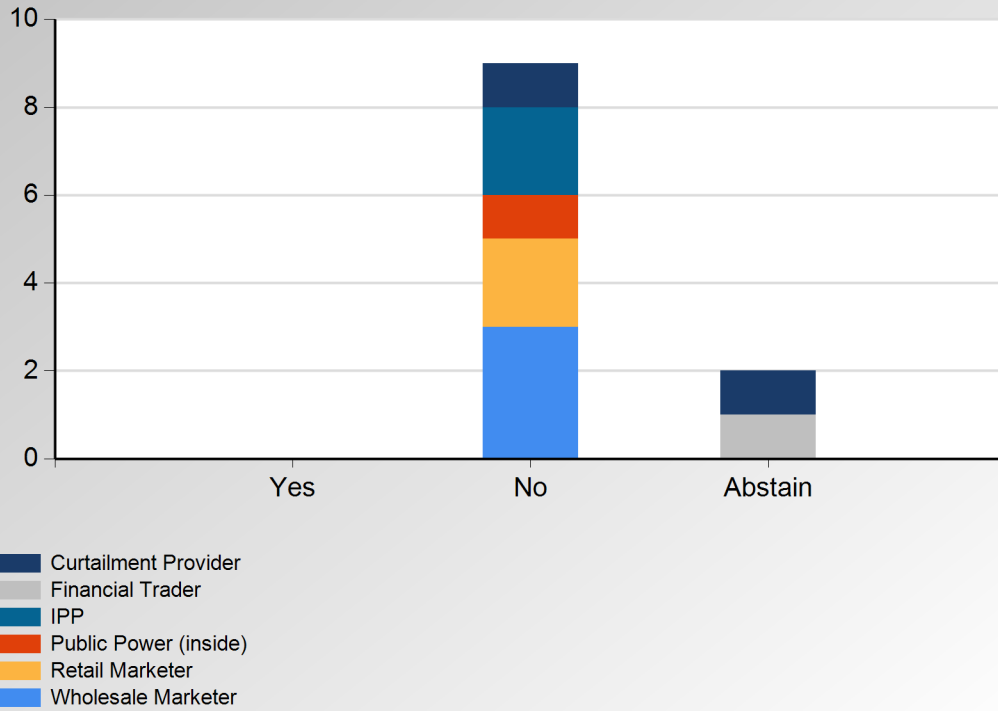
Charts displayed in this section include various portrayals of how various subsets of companies voted at the Members Committee (MC) meeting on this particular issue.

**PJM Members Committee  
MC Meeting Date: January 23, 2020**

Item 1a.: Motion to Appeal the Decision of the Chair?  
(Vote Result: FAILED)

**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	0	1	1
Financial Trader	0	0	1
IPP	0	2	0
Public Power (inside)	0	1	0
Retail Marketer	0	2	0
Wholesale Marketer	0	3	0

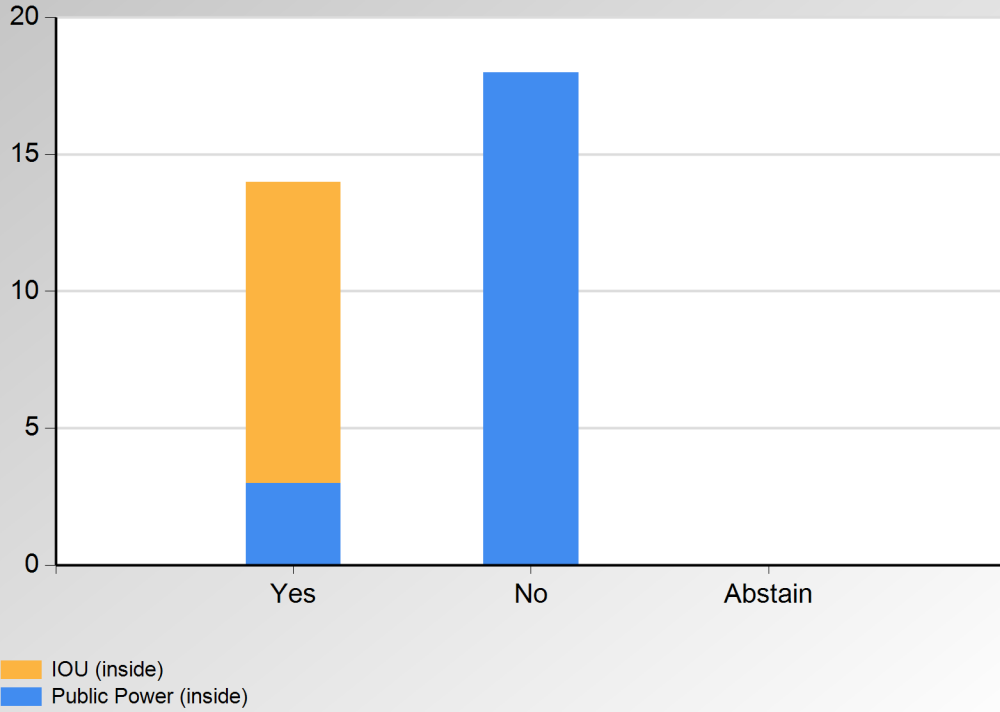
\*Refer to the Company Designations table "Line of Business Designation" column to see each company's group designation found on this chart.



**PJM Members Committee  
MC Meeting Date: January 23, 2020**

Item 1a.: Motion to Appeal the Decision of the Chair?  
(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.

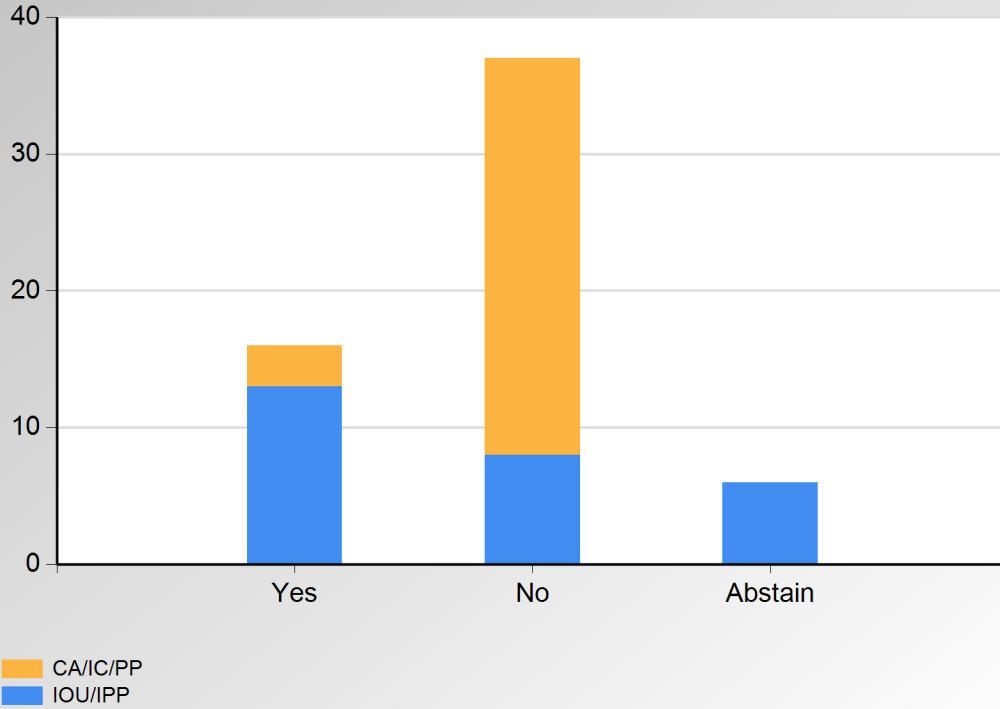
	Yes	No	Abstain
IOU (inside)	11	0	0
Public Power (inside)	3	18	0

\*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  
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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 group together based on their responsibility to load.

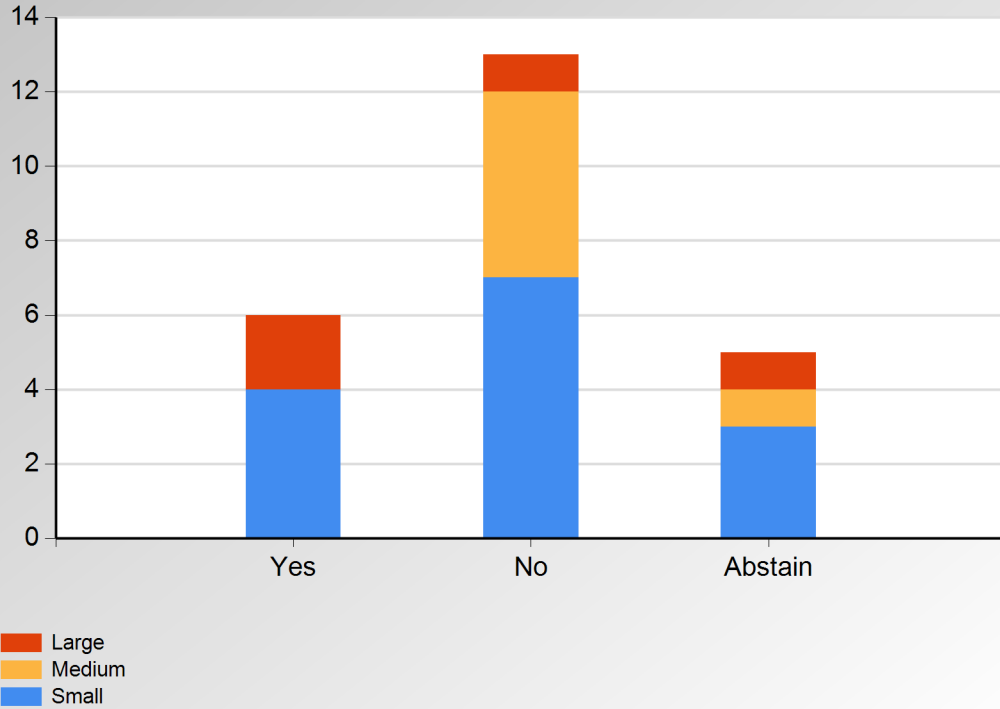
	Yes	No	Abstain
CA/IC/PP	3	29	0
IOU/IPP	13	8	6

\*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  
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Item 1a.: Motion to Appeal the Decision of the Chair?  
(Vote Result: FAILED)

**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	2	1	1
Medium	0	5	1
Small	4	7	3

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

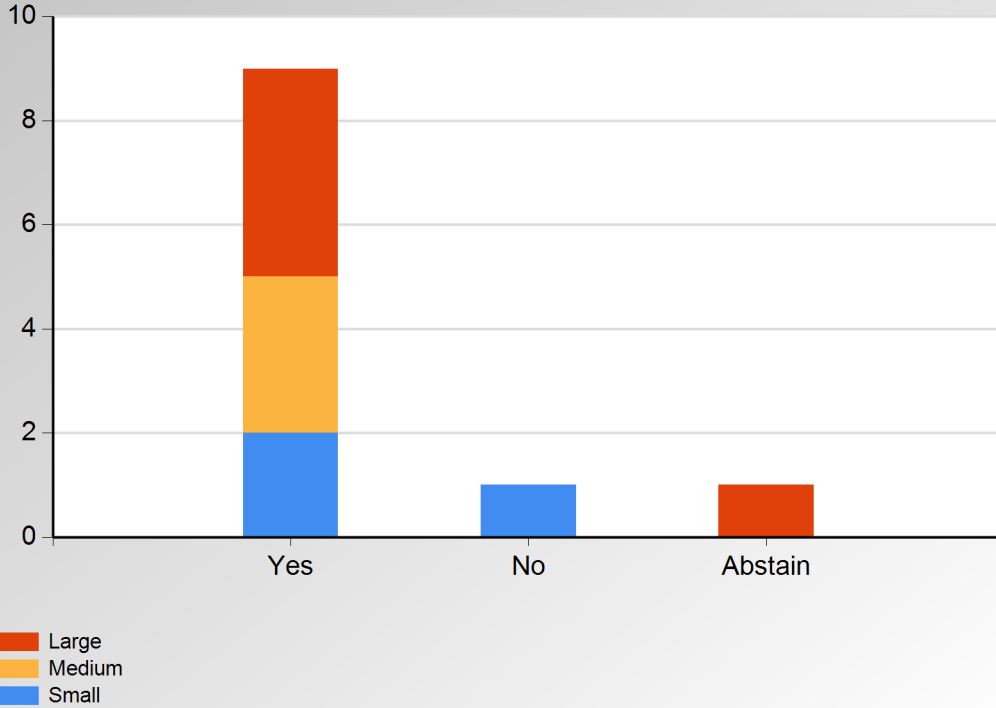
**PJM Members Committee  
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Item 1a.: Motion to Appeal the Decision of the Chair?  
(Vote Result: FAILED)

**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.

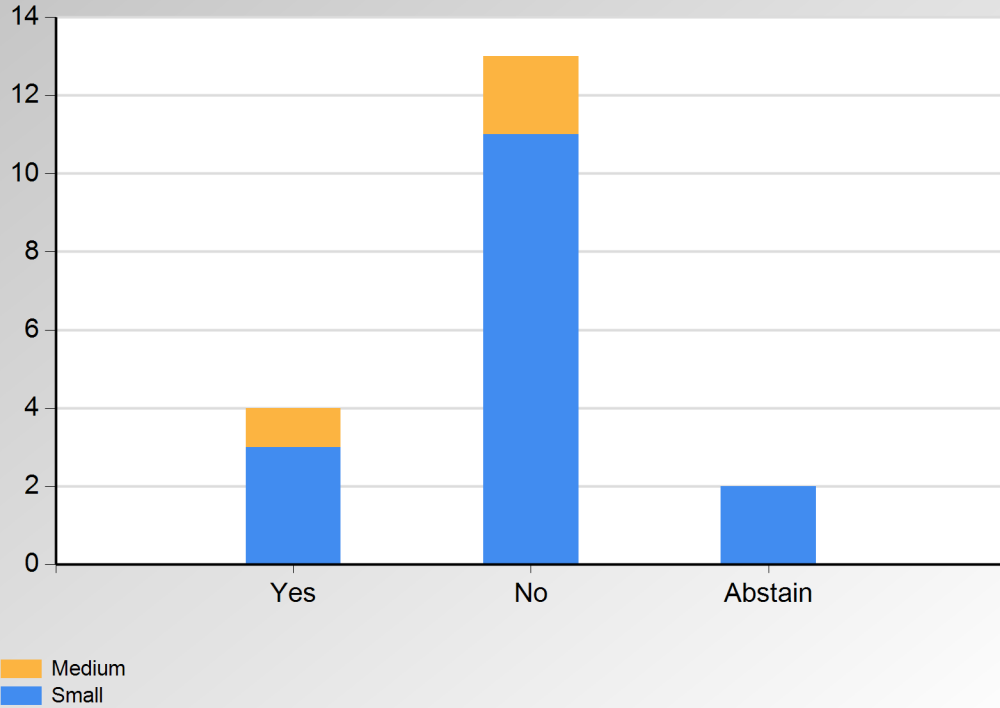
	Yes	No	Abstain
Large	4	0	1
Medium	3	0	0
Small	2	1	0

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

**PJM Members Committee  
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Item 1a.: Motion to Appeal the Decision of the Chair?  
(Vote Result: FAILED)

**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	1	2	0
Small	3	11	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: January 23, 2020**

Item 1a.: Motion to Appeal the Decision of the Chair?  
(Vote Result: FAILED)

**SECTOR DETAIL VOTE BREAKDOWN**

<b>End-Use Customer</b>			
<b>Yes</b>	<b>No</b>	<b>Abstain</b>	<b>Sector Vote In Favor</b>
0	14	1	0.0 %

	Air Products & Chemicals, Inc.	Kuehne Chemical Company, Inc.	
	ArcelorMittal USA LLC		
	Delaware Division of the Public Advocate		
	Gerdau Ameristeel Energy, Inc.		
	Indiana Office of Utility Consumer Counselor (IN OUCC)		
	Lehigh Portland Cement Company		
	Maryland Office of People's Counsel		
	MeadWestvaco Corporation		
	Messer LLC		
	Office of the People's Counsel for the District of Columbia		
	Pennsylvania Office of Consumer Advocate		
	Praxair, Inc.		
	Procter & Gamble Paper Products Company (The)		
	West Virginia Consumer Advocate Division		

<b>Transmission Owner</b>			
<b>Yes</b>	<b>No</b>	<b>Abstain</b>	<b>Sector Vote In Favor</b>
11	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		
	Rockland Electric Company		
	Virginia Electric & Power Company		

Generation Owner			
Yes	No	Abstain	Sector Vote In Favor
3	8	7	27.3 %
Avangrid Renewables, LLC	Calpine Energy Services, L.P.	Carroll County Energy LLC	
Geenex Solar LLC	Eastern Generation, LLC	Diamond State Generation Partners, LLC	
PPGI Fund A/B Development, LLC.	Elwood Energy, LLC	Dynegy Marketing and Trade, LLC	
	Essential Power Rock Springs, LLC	GenOn Energy Management, LLC	
	Kimberly-Clark Corporation	NextPower III US Holdco Inc.	
	Riverside Generating Company, L.L.C.	PBF Power Marketing, LLC	
	West Deptford Energy, LLC	Talen Energy Marketing, LLC	
	Wheelabrator Frackville Energy Company Inc.		
Electric Distributor			
Yes	No	Abstain	Sector Vote In Favor
3	17	0	15.0 %
Kentucky Municipal Energy Agency	American Municipal Power, Inc.		
Southern Maryland Electric Cooperative, Inc.	Borough of Chambersburg		
Wabash Valley Power Association, Inc.	Borough of Mont Alto, Pennsylvania		
	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		
	Letterkenny Industrial Development Authority - PA		
	North Carolina Electric Membership Corporation		
	Northern Virginia Electric Cooperative (NOVEC)		
	Old Dominion Electric Cooperative		
	Thurmont Municipal Light Company		
	Town of Williamsport (The)		
	Wellsboro Electric Company		
Other Supplier			
Yes	No	Abstain	Sector Vote In Favor
0	9	2	0.0 %
	Brookfield Renewable Trading and Marketing LP	Icetec.com, Inc.	
	DTE Energy Trading, Inc.	New York Power Authority	
	Direct Energy Business, LLC		



Other Supplier			
Yes	No	Abstain	Sector Vote In Favor
0	9	2	0.0 %
	Enel X North America, Inc.		
	Energy Cooperative Association of Pennsylvania (The)		
	Industrial Energy Users-Ohio		
	Madison Gas & Electric Co.		
	Shell Energy North America (US), L.P.		
	WPPI Energy		

**PJM Members Committee  
MC Meeting Date: January 23, 2020**

Item 1a.: Motion to Appeal the Decision of the Chair?  
(Vote Result: FAILED)

**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)
No	Borough of Chambersburg	Electric Distributor	Muni/Co-op	Buyer	Small	Zero	Small	Public Power (inside)
No	Borough of Mont Alto, Pennsylvania	Electric Distributor	Muni/Co-op	Buyer	Small	Zero	Small	Public Power (inside)
No	Buckeye Power, Inc.	Electric Distributor	Muni/Co-op	Buyer	Medium	Zero	Medium	Public Power (inside)
No	City of Dover, Delaware	Electric Distributor	Muni/Co-op	Buyer	Small	Zero	Small	Public Power (inside)
No	Delaware Municipal Electric Corporation, Inc.	Electric Distributor	Muni/Co-op	Buyer	Small	Zero	Small	Public Power (inside)
No	Easton Utilities Commission	Electric Distributor	Muni/Co-op	Buyer	Small	Zero	Small	Public Power (inside)
No	Hagerstown Light Department	Electric Distributor	Muni/Co-op	Buyer	Zero	Zero	Zero	Public Power (inside)
No	Illinois Municipal Electric Agency	Electric Distributor	Muni/Co-op	Buyer	Medium	Zero	Small	Public Power (inside)
No	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)
No	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)
No	Thurmont Municipal Light Company	Electric Distributor	Muni/Co-op	Buyer	Zero	Zero	Zero	Public Power (inside)
No	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)
No	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	ArcelorMittal USA 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

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	Gerdau Ameristeel Energy, Inc.	End-Use Customer	Financial Trader	Buyer	Zero	Zero	Zero	Financial Trader
No	Indiana Office of Utility Consumer Counselor (IN OUCC)	End-Use Customer	Consumer Advocate	Buyer	Zero	Zero	Zero	Consumer Advocate
Abstain	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	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	Office of the People's Counsel for the District of Columbia	End-Use Customer	Consumer Advocate	Buyer	Zero	Zero	Zero	Consumer Advocate
No	Pennsylvania Office of Consumer Advocate	End-Use Customer	Consumer Advocate	Buyer	Zero	Zero	Zero	Consumer Advocate
No	Praxair, Inc.	End-Use Customer	Industrial	Buyer	Zero	Zero	Zero	Industrial Customer
No	Procter & Gamble Paper Products Company (The)	End-Use Customer	Industrial	Buyer	Zero	Zero	Zero	Industrial Customer
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
No	Calpine Energy Services, L.P.	Generation Owner	Load Serving Entity	Seller	Large	Zero	Zero	Retail Marketer
Abstain	Carroll County Energy LLC	Generation Owner	Generation Owner/Ancillary Service Provider	Seller	Medium	Zero	Zero	Ancillary Service Provider
Abstain	Diamond State Generation Partners, LLC	Generation Owner	Generation	Seller	Small	Zero	Zero	IPP
Abstain	Dynegy Marketing and Trade, LLC	Generation Owner	Generation	Seller	Zero	Zero	Zero	IPP
No	Eastern Generation, LLC	Generation Owner	Generation Owner/Ancillary Service Provider	Buyer	Zero	Zero	Zero	Ancillary Service Provider
No	Elwood Energy, LLC	Generation Owner	Generation	Seller	Zero	Zero	Zero	IPP
No	Essential Power Rock Springs, LLC	Generation Owner	Generation	Seller	Zero	Zero	Zero	IPP
Yes	Geenex Solar LLC	Generation Owner	Project Developer	Buyer	Zero	Zero	Zero	Project Developer
Abstain	GenOn Energy Management, LLC	Generation Owner	Generation	Seller	Zero	Zero	Zero	IPP
No	Kimberly-Clark Corporation	Generation Owner	Generation	Seller	Zero	Zero	Zero	IPP
Abstain	NextPower III US Holdco Inc.	Generation Owner	Generation	Buyer	Zero	Zero	Zero	IPP
Abstain	PBF Power Marketing, LLC	Generation Owner	Generation	Seller	Small	Zero	Small	IPP
Yes	PPGI Fund A/B Development, LLC.	Generation Owner	Generation	Buyer	Zero	Zero	Zero	IPP
No	Riverside Generating Company, L.L.C.	Generation Owner	Power Marketer	Buyer	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
Abstain	Talen Energy Marketing, LLC	Generation Owner	Generation	Seller	Large	Large	Zero	IPP
No	West Deptford Energy, LLC	Generation Owner	Generation	Seller	Medium	Zero	Zero	IPP
No	Wheelabrator Frackville Energy Company Inc.	Generation Owner	Generation	Buyer	Zero	Zero	Zero	IPP
No	Brookfield Renewable Trading and Marketing LP	Other Supplier	Generation	Seller	Zero	Zero	Zero	IPP
No	Direct Energy Business, LLC	Other Supplier	Load Serving Entity	Buyer	Medium	Zero	Medium	Retail Marketer
No	DTE Energy Trading, Inc.	Other Supplier	Power Marketer	Buyer	Zero	Zero	Zero	Wholesale Marketer
No	Enel X North America, Inc.	Other Supplier	Curtailment Service Provider	Seller	Zero	Zero	Zero	Curtailment Provider
No	Energy Cooperative Association of Pennsylvania (The)	Other Supplier	Muni/Co-op	Buyer	Zero	Zero	Zero	Public Power (inside)
Abstain	Icetek.com, Inc.	Other Supplier	Curtailment Service Provider	Seller	Small	Zero	Zero	Curtailment Provider
No	Industrial Energy Users-Ohio	Other Supplier	Load Serving Entity	Seller	Zero	Zero	Zero	Retail Marketer
No	Madison Gas & Electric Co.	Other Supplier	Power Marketer	Buyer	Zero	Zero	Zero	Wholesale Marketer
Abstain	New York Power Authority	Other Supplier	Financial Trader	Buyer	Zero	Zero	Zero	Financial Trader
No	Shell Energy North America (US), L.P.	Other Supplier	Generation	Buyer	Zero	Zero	Zero	IPP
No	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	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)