SUPPLEMENTAL VOTING RESULTS

PJM Members Committee MC Meeting Date: December 20, 2023

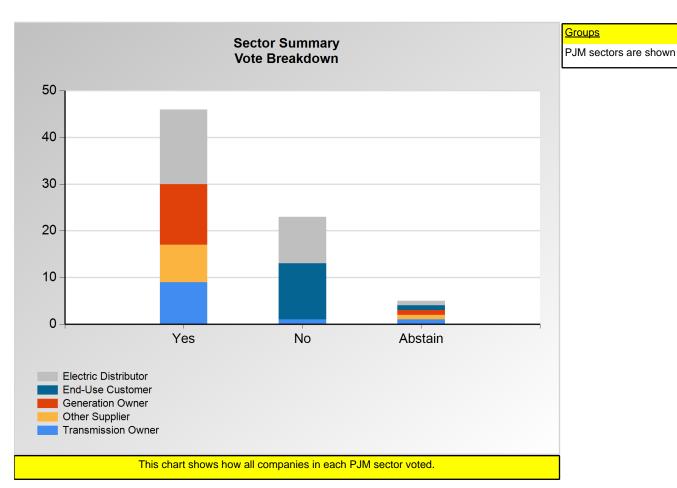
Item: 00 Do you endorse the solution addressing the performance impact of the multi-schedule model on the market clearing engine?

(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.

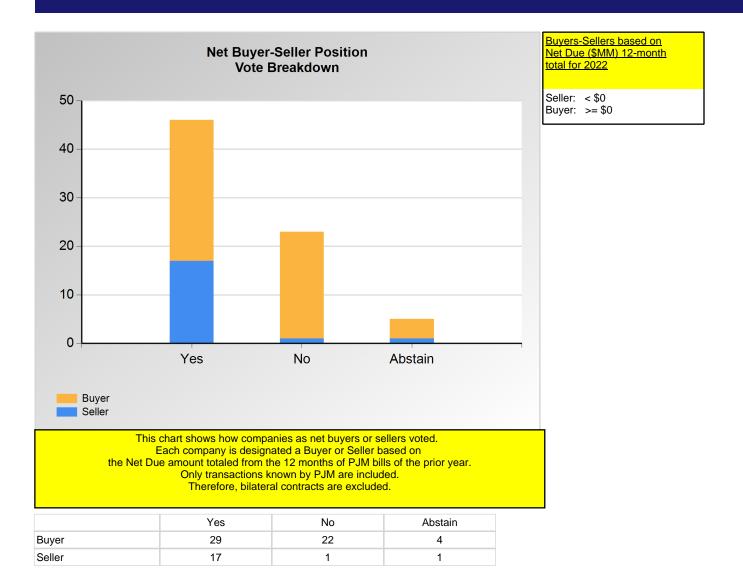
Item 00: Do you endorse the solution addressing the performance impact of the multi-schedule model on the market clearing engine? (Vote Result: PASSED)



Additional Detail:

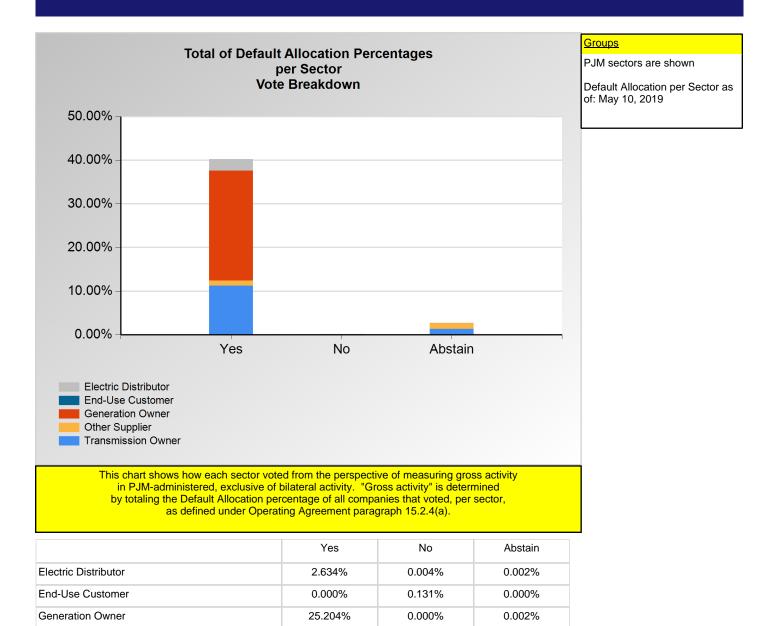
	Eligible	Attended	Did Not Vote	Yes	No	Abstain	Sector Vote In Favor	Sector Weight in Favor
End-Use Customer	29	13	0	0	12	1	0.0%	0.000
Transmission Owner	13	11	0	9	1	1	90.0%	0.900
Generation Owner	107	16	2	13	0	1	100.0%	1.000
Electric Distributor	44	27	0	16	10	1	61.5%	0.615
Other Supplier	305	10	1	8	0	1	100.0%	1.000
Total	498	77	3	46	23	5		3.515

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



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

Item 00: Do you endorse the solution addressing the performance impact of the multi-schedule model on the market clearing engine?
(Vote Result: PASSED)



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

1.158%

11.241%

Other Supplier

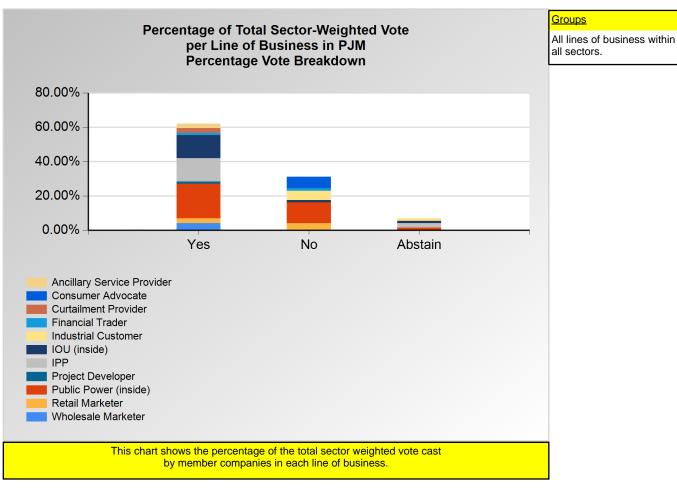
Transmission Owner

0.000%

0.000%

1.353%

1.332%



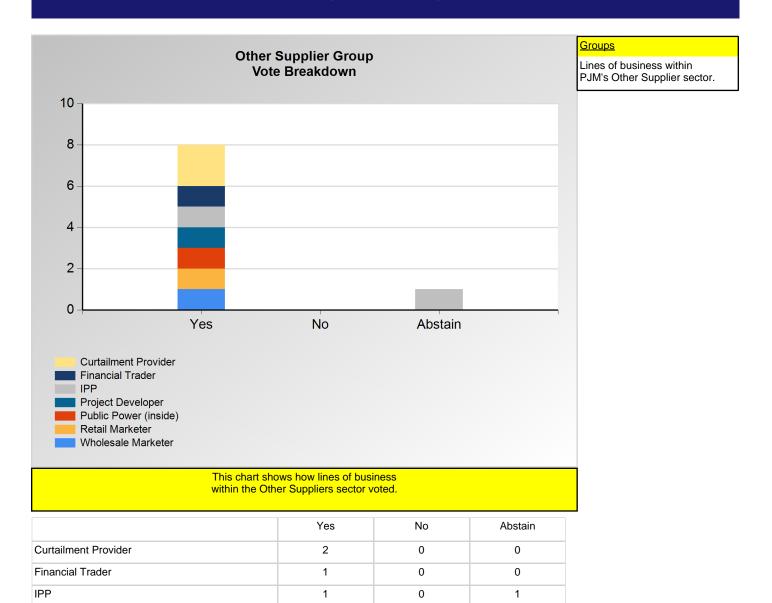
	Yes	No	Abstain
Ancillary Service Provider	1.87%	0.00%	0.00%
Consumer Advocate	0.00%	17.24%	0.00%
Curtailment Provider	0.66%	0.00%	0.00%
Financial Trader	0.33%	3.45%	0.00%
Industrial Customer	0.00%	13.79%	3.45%
IOU (inside)	17.54%	7.69%	7.69%
IPP	2.19%	0.00%	0.49%
Project Developer	0.33%	0.00%	0.00%
Public Power (inside)	4.30%	20.45%	2.27%
Retail Marketer	0.49%	4.11%	0.00%
Wholesale Marketer	0.73%	0.00%	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.

Item 00: Do you endorse the solution addressing the performance impact of the multi-schedule model on the market clearing engine? (Vote Result: PASSED)



1

1

1

Project Developer

Retail Marketer

Public Power (inside)

Wholesale Marketer

0

0

0

0

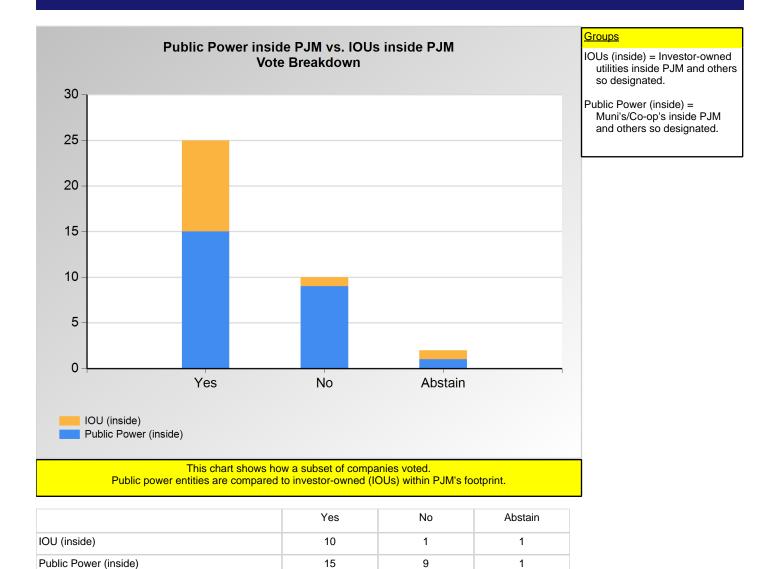
0

0

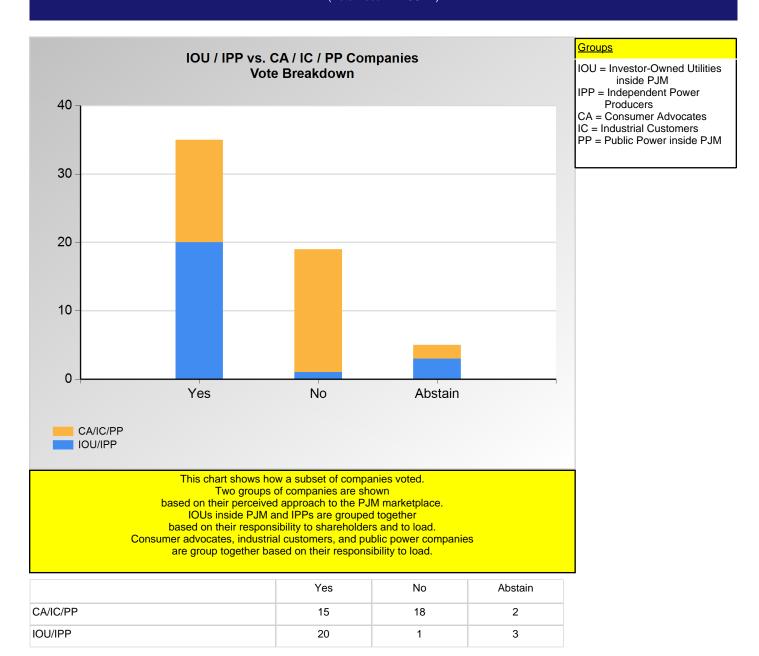
0

0

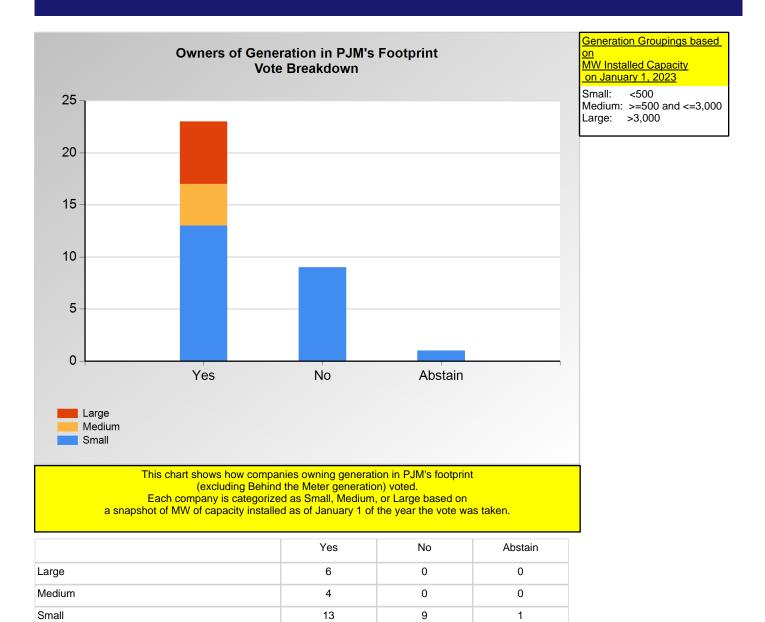
^{*}Refer to the Company Designations table "Line of Business Designation" column to see each company's group designation found on this chart.



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

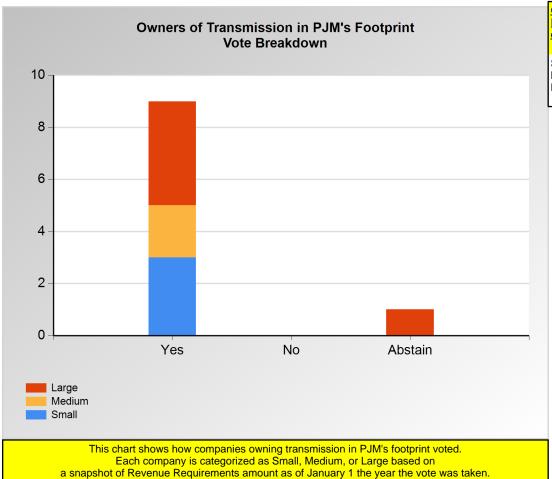


^{*}Refer to the Company Designations table "Line of Business Designation" column to see each company's group designation found on this chart.



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

Item 00: Do you endorse the solution addressing the performance impact of the multi-schedule model on the market clearing engine? (Vote Result: PASSED)



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

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

Groups based on Revenue Reqs (\$MM) on January 1, 2023

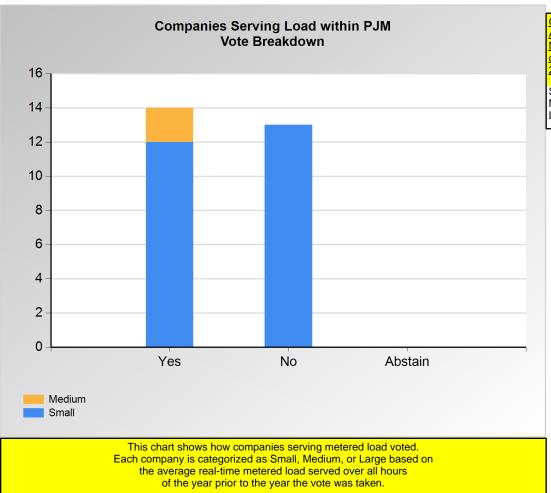
Small: <50

Medium: >=50 and <=150

Large: >150

PJM Page 12 of 20 12/20/2023 11:44:49 AM

Item 00: Do you endorse the solution addressing the performance impact of the multi-schedule model on the market clearing engine? (Vote Result: PASSED)



Groups based on
Avg Real-Time
Metered Load (MW)
over all the hours of the year
2022

Small: <1,000

Medium: >=1,000 and <=5,000

Large: >5,000

	Yes	No	Abstain
Medium	2	0	0
Small	12	13	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.

Item 00: Do you endorse the solution addressing the performance impact of the multi-schedule model on the market clearing engine? (Vote Result: PASSED)

SECTOR DETAIL VOTE BREAKDOWN

End-Use Customer							
Yes	No	Abstain	Sector Vote In Favor				
0	12	1	0.0%				
	Air Products & Chemicals, Inc.	Procter & Gamble Paper Products Company (The)					
	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.						
	Messer LLC						
	New Jersey Division of Rate Counsel						
	Public Staff - North Carolina Utilities Commission						
	Trustees of the University of Pennsylvania						
	Transmission Owr	ner					
Yes	No	Abstain	Sector Vote In Favor				
9	1	1	90.0%				
Appalachian Power Company	Monongahela Power Company d/b/a Allegheny Power	Public Service Electric and Gas 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							
Rockland Electric Company							
Virginia Electric & Power Company							

Generation Owner							
Yes	No	Abstain	Sector Vote In Favor				
13	0	1	100.0%				
Avangrid Renewables, LLC		Kimberly-Clark Corporation					
Calpine Energy Services, L.P.							
Carroll County Energy LLC							
Constellation Energy Generation, LLC							
Dynegy Marketing and Trade, LLC							
Elwood Energy, LLC							
Essential Power Rock Springs, LLC							
GenOn Energy Management, LLC							
Parkway Generation Operating LLC							
Rolling Hills Generating, LLC							
Talen Energy Marketing, LLC							
Vitol Inc.							
Wheelabrator Falls Inc.							
	Electric Distribute	or					
Yes	No	Abstain	Sector Vote In Favor				
16	10	1	61.5%				
	10	'	01.5%				
Allegheny Electric Cooperative, Inc.	Borough of Butler, Butler Electric Division	Wellsboro Electric Company	01.5%				
Allegheny Electric Cooperative, Inc. Borough of Chambersburg			01.5%				
	Borough of Butler, Butler Electric Division		01.5%				
Borough of Chambersburg	Borough of Butler, Butler Electric Division Borough of Lavallette, New Jersey		01.3%				
Borough of Chambersburg Borough of Mont Alto, Pennsylvania	Borough of Butler, Butler Electric Division Borough of Lavallette, New Jersey Borough of Madison, New Jersey		01.3%				
Borough of Chambersburg Borough of Mont Alto, Pennsylvania Buckeye Power, Inc.	Borough of Butler, Butler Electric Division Borough of Lavallette, New Jersey Borough of Madison, New Jersey Borough of Milltown, New Jersey		01.3%				
Borough of Chambersburg Borough of Mont Alto, Pennsylvania Buckeye Power, Inc. City of Dover, Delaware Delaware Municipal Electric	Borough of Butler, Butler Electric Division Borough of Lavallette, New Jersey Borough of Madison, New Jersey Borough of Milltown, New Jersey Borough of Park Ridge, New Jersey		01.3%				
Borough of Chambersburg Borough of Mont Alto, Pennsylvania Buckeye Power, Inc. City of Dover, Delaware Delaware Municipal Electric Corporation, Inc.	Borough of Butler, Butler Electric Division Borough of Lavallette, New Jersey Borough of Madison, New Jersey Borough of Milltown, New Jersey Borough of Park Ridge, New Jersey Borough of Pemberton, New Jersey		01.3%				
Borough of Chambersburg Borough of Mont Alto, Pennsylvania Buckeye Power, Inc. City of Dover, Delaware Delaware Municipal Electric Corporation, Inc. Easton Utilities Commission	Borough of Butler, Butler Electric Division Borough of Lavallette, New Jersey Borough of Madison, New Jersey Borough of Milltown, New Jersey Borough of Park Ridge, New Jersey Borough of Pemberton, New Jersey Borough of Seaside Heights, New Jersey		01.3%				
Borough of Chambersburg Borough of Mont Alto, Pennsylvania Buckeye Power, Inc. City of Dover, Delaware Delaware Municipal Electric Corporation, Inc. Easton Utilities Commission Hagerstown Light Department	Borough of Butler, Butler Electric Division Borough of Lavallette, New Jersey Borough of Madison, New Jersey Borough of Milltown, New Jersey Borough of Park Ridge, New Jersey Borough of Pemberton, New Jersey Borough of Seaside Heights, New Jersey Borough of South River, New Jersey Letterkenny Industrial Development		01.3%				
Borough of Chambersburg 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	Borough of Butler, Butler Electric Division Borough of Lavallette, New Jersey Borough of Madison, New Jersey Borough of Milltown, New Jersey Borough of Park Ridge, New Jersey Borough of Pemberton, New Jersey Borough of Seaside Heights, New Jersey Borough of South River, New Jersey Letterkenny Industrial Development Authority - PA		01.3%				
Borough of Chambersburg 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	Borough of Butler, Butler Electric Division Borough of Lavallette, New Jersey Borough of Madison, New Jersey Borough of Milltown, New Jersey Borough of Park Ridge, New Jersey Borough of Pemberton, New Jersey Borough of Seaside Heights, New Jersey Borough of South River, New Jersey Letterkenny Industrial Development Authority - PA		01.3%				
Borough of Chambersburg 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 Michigan Public Power Agency North Carolina Electric Membership Corporation Northern Virginia Electric Cooperative (NOVEC)	Borough of Butler, Butler Electric Division Borough of Lavallette, New Jersey Borough of Madison, New Jersey Borough of Milltown, New Jersey Borough of Park Ridge, New Jersey Borough of Pemberton, New Jersey Borough of Seaside Heights, New Jersey Borough of South River, New Jersey Letterkenny Industrial Development Authority - PA		01.3%				
Borough of Chambersburg 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 Michigan Public Power Agency North Carolina Electric Membership Corporation Northern Virginia Electric Cooperative (NOVEC) Old Dominion Electric Cooperative	Borough of Butler, Butler Electric Division Borough of Lavallette, New Jersey Borough of Madison, New Jersey Borough of Milltown, New Jersey Borough of Park Ridge, New Jersey Borough of Pemberton, New Jersey Borough of Seaside Heights, New Jersey Borough of South River, New Jersey Letterkenny Industrial Development Authority - PA		01.3%				
Borough of Chambersburg 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 Michigan Public Power Agency North Carolina Electric Membership Corporation Northern Virginia Electric Cooperative (NOVEC)	Borough of Butler, Butler Electric Division Borough of Lavallette, New Jersey Borough of Madison, New Jersey Borough of Milltown, New Jersey Borough of Park Ridge, New Jersey Borough of Pemberton, New Jersey Borough of Seaside Heights, New Jersey Borough of South River, New Jersey Letterkenny Industrial Development Authority - PA		01.3%				

Other Supplier							
Yes	No	Abstain	Sector Vote In Favor				
8	0	1	100.0%				
Brookfield Renewable Trading and Marketing LP		Shell Energy North America (US), L.P.					
DC Energy, LLC							
Enel X North America, Inc.							
Energy Cooperative Association of Pennsylvania (The)							
Geenex Solar LLC							
NRG Business Marketing LLC							
Tangent Energy Solutions, Inc.							
WPPI Energy							

Item 00: Do you endorse the solution addressing the performance impact of the multi-schedule model on the market clearing engine? (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	Allegheny Electric Cooperative, Inc.	Electric Distributor	Transmission Owner	Buyer	Small	Small	Small	IOU (inside)
No	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)
No	Borough of Lavallette, New Jersey	Electric Distributor	Muni/Co-op	Buyer	Small	Zero	Small	Public Power (inside)
No	Borough of Madison, New Jersey	Electric Distributor	Muni/Co-op	Buyer	Small	Zero	Small	Public Power (inside)
No	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)
No	Borough of Park Ridge, New Jersey	Electric Distributor	Muni/Co-op	Buyer	Small	Zero	Small	Public Power (inside)
No	Borough of Pemberton, New Jersey	Electric Distributor	Muni/Co-op	Buyer	Small	Zero	Small	Public Power (inside)
No	Borough of Seaside Heights, New Jersey	Electric Distributor	Muni/Co-op	Buyer	Small	Zero	Small	Public Power (inside)
No	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	Small	Zero	Small	Public Power (inside)
Yes	Indiana Municipal Power Agency	Electric Distributor	Muni/Co-op	Buyer	Small	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)
Yes	Northern Virginia Electric Cooperative (NOVEC)	Electric Distributor	Muni/Co-op	Buyer	Zero	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	Old Dominion Electric Cooperative	Electric Distributor	Muni/Co-op	Buyer	Medium	Small	Zero	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)
No	Vineland Municipal Electric Utility	Electric Distributor	Muni/Co-op	Buyer	Small	Zero	Small	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	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
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	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
Abstain	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
Yes	Avangrid Renewables, 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	Constellation Energy Generation, LLC	Generation Owner	Generation	Buyer	Large	Zero	Zero	IPP
Yes	Dynegy Marketing and Trade, LLC	Generation Owner	Generation	Seller	Zero	Zero	Zero	IPP
Yes	Elwood Energy, LLC	Generation Owner	Generation	Seller	Zero	Zero	Zero	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	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	Parkway Generation Operating LLC	Generation Owner	Generation Owner/Ancillary Service Provider	Buyer	Large	Zero	Zero	Ancillary Service Provider
Yes	Rolling Hills Generating, LLC	Generation Owner	Power Marketer	Seller	Medium	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	Brookfield Renewable Trading and Marketing LP	Other Supplier	Generation	Seller	Zero	Zero	Zero	IPP
Yes	DC Energy, LLC	Other Supplier	Financial Trader	Seller	Zero	Zero	Zero	Financial Trader
Yes	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)
Yes	Geenex Solar LLC	Other Supplier	Project Developer	Buyer	Zero	Zero	Zero	Project Developer
Yes	NRG Business Marketing LLC	Other Supplier	Load Serving Entity	Seller	Zero	Zero	Small	Retail Marketer
Abstain	Shell Energy North America (US), L.P.	Other Supplier	Generation	Buyer	Zero	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	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	Large	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)
No	Monongahela Power Company d/b/a Allegheny Power	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)
Abstain	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)