

## ISSUE CREATION

[Problem Statement](#) and [Issue Charge](#) brought forward by PJM and approved at the PC, 4/6/2021.

## ISSUE SUMMARY

Interconnection New Service requests have drastically increased over the past few years. The Interconnection Process Reform Task Force (IPRTF) will discuss challenges related to the interconnection process and look for opportunities to improve the process utilizing the Consensus Based Issue Resolution (CBIR) process. The IPRTF will report to the Planning Committee.

## CONSENSUS-BASED ISSUE RESOLUTION PROCESS

Number of Meetings and date range covering this topic: 15 meetings from 4/6/2021 – 5/17/2022

Interconnection Process Reform Non-Binding Poll Results, Members Only:

- PJM, 86% support
- Cypress Creek Renewables and Open Road Renewables: 33% Support
- RWE: 22% Support
- Clearway: 16% Support

Transition Options Non-Binding Poll Results, Members Only:

- PJM, 93% support
- National Grid Renewables: 18% Support
- E-Cubed Policy Associates: 13% Support

Vote Results

- N/A

[Final Matrix](#)

## 1. RECOMMENDED PROPOSAL

[Only one package for the Interconnection Process Reform was presented to the higher committees; it was a package sponsored by PJM. The new process looks to be a first ready-first serve basis. The process is to be broken into three phases with a decision point for the developer at the end of each phase. New Readiness Deposits were also created and need to be submitted to PJM prior to the developer proceeding to the next phase of the process.

## 2. ALTERNATE 1 PROPOSAL

Three packages for how PJM would transition to the new process were voted at the Planning Committee. The PJM package was the only one that passed.

The PJM package was the brought to the Markets & Reliability Committee as the main motion. Three other packages were presented at the meeting; however, the main motion was the only one that was voted.

## 3. ALTERNATE 2 PROPOSAL

[N/A]

## 4. STANDING COMMITTEE RESULTS

### Interconnection Process

**Planning Committee:** The committee endorsed the PJM package with approximately 100% support. There were 275 Yes votes, 1 No vote, and 0 Abstain. The committee voted if the proposed solution was preferable to the status quo. This vote passed with approximately 100% support - 275 Yes, 1 No, and 0 Abstain.

**Markets & Reliability Committee:** 2a. Do you endorse the Interconnection Reform Process Main Motion?

Sector	Yes	No	Abstain	Sector Weight In Favor
ED	19	1	4	0.950
EUC	18	0	0	1.000
GO	24	6	1	0.800
OS	12	3	2	0.800
TO	9	2	0	0.818
Totals	82	12	7	4.368 – PASSED

### Transition to New Process

**Planning Committee:** The committee endorsed the PJM transition package with approximately 91% support. There were 218 Yes votes, 22 No votes, and 14 Abstain. The transition package proposed by National Grid Renewables failed with 3% support. There were 6 Yes votes, 200 No votes, and 48 Abstain. The alternate transition package proposed by Bitter Ridge Wind Farm LLC, Tri Global Energy, Hecate Energy, and Leeward Energy also failed with 34% support. There were 69 Yes votes, 134 No votes, and 51 Abstain.

**Markets & Reliability Committee:** The PJM transition package was the main motion. Following discussion, the main motion was approved and the associated Tariff revisions were endorsed in a sector-weighted vote with 4.368 in favor.

2a. Do you endorse the Interconnection Reform Process Main Motion?

Sector	Yes	No	Abstain	Sector Weight In Favor
ED	5	18	1	0.217
EUC	15	0	1	1.000
GO	18	5	2	0.783
OS	11	2	1	0.846
TO	6	3	1	0.667
Totals	55	28	6	3.513 - PASSED

## APPENDIX I: SUPPLEMENTAL DOCUMENTS

IPRTF - <https://pjm.com/committees-and-groups/task-forces/iprtf>

Issue Tracking - <https://www.pjm.com/committees-and-groups/issue-tracking/issue-tracking-details.aspx?Issue=0caa55a8-041c-4365-8a44-46ad2420b148>

FERC Docket - [Docket No. ER22-2114-00](#); [Docket No. ER22-2110-004](#)

## APPENDIX II: PJM PARTICIPATION

Facilitator - Jack Thomas

Secretary – Ed Kovler

Advocate – Jason Connell

Subject Matter Expert – Jason Shoemaker

Subject Matter Expert – Mark Sims

Subject Matter Expert – AJ Lambert

PJM Legal Jeanine Watson/Chris Holt

## APPENDIX III: STAKEHOLDER PARTICIPATION

Last Name	First Name	Company	Sector
Abdelsamad	Ahmed	Daymark Energy Advisors	None
Abed	Abbas	Innergex Renewable USA LLC	Generation Owner
Abishak	Rao	Wood PLC	None



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Adams	Darrin	East Kentucky Power Cooperative, Inc.	Transmission Owner
Adams	Michael	Public Service Electric & Gas Company	Transmission Owner
Alfano	Melissa	Solar Energy Industries Association	None
Alva	Christin	Scout Clean Energy	None
Andalora	Christina	PJM Interconnection, LLC	None
Anders	David	PJM Interconnection, LLC	None
Ansah	Justice	Avangrid Renewables LLC	None
Arega	Robel	Glidepath	None
Awasthi	Shekhar	PJM Interconnection, LLC	None
Azzam	Dave	Meridian Energy	None
Bainbridge	Tom	Energy Harbor LLC	Generation Owner
Baker	Gervais	Alder Energy	None
Baker	Jeff	Duke Energy Ohio, Inc.	Transmission Owner
Barker	Jason	Constellation Energy Generation, LLC	Generation Owner
Bautista	Alejandro	PJM Interconnection, LLC	None
Behar	Marc-Alain	Nexamp	None
Benjamin	Nick	Clearway Energy	None
Bennett	Stephen	PJM Interconnection, LLC	None
Bernstein	Matthew	PJM Interconnection, LLC	None
Berton	Tyler	AEP Appalachian Transmission Company, Inc.	Transmission Owner
Bhowmik	Sudipto	IBV Energy	None
Bommareddy	Chandana	TRC Solutions	None
Boyd	Jamie	NJ Resources	None
Brahman	Azade	Orsted US Trading LLC	None
Brecke	Tracy	Mitsubishi Electric Power Products (MEPPI) USA	None
Brodbeck	John	EDP Renewables North America, LLC	Generation Owner
Bruno	Peter	Cypress Creek Renewables, LLC	Generation Owner
Bryan	Eric	FirstEnergy Corporation	Transmission Owner
Burnham	Kat	Advanced Energy Economy (AEE)	None
Callen	Zachary (Zac)	Illinois Commerce Commission	None
Carmean	Gregory	OPSI	None
Cater	Todd	Foundation Solar Partners	None
Chadliev	Vladimir	Baywa RE	None
Chandramowli	Shankar	ICF International	None
Chang	Sean	Shell Energy North America (US), L.P.	Other Supplier
Chocarro Aguirrebengoa	Iker	RWE Renewables Americas, LLC	Generation Owner



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Choi	Wonbae	Samsung C&T America, Inc	None
Circelli	Roseanne	Public Service Electric & Gas Company	Transmission Owner
Clifford	Kyle	PECO Energy Company	Transmission Owner
Coba	Luis	PSEG Energy Resources & Trade LLC	Transmission Owner
Contino	Jarrett	EDP Renewables North America, LLC	Generation Owner
Copeland	Kyle	PJM Interconnection, LLC	None
Corash	Richard	PSEG Energy Resources & Trade LLC	Other Supplier
Cottle	Joe	Novis Renewables	None
Crosby	Matthew	Cypress Creek Renewables, LLC	Generation Owner
Dada	Noorgul	PJM Interconnection, LLC	None
Dadourian	John	Monitoring Analytics, LLC	None
Dale	Douglas	PECO Energy Company	Transmission Owner
David	Dan	IPR-GDF SUEZ Energy Marketing NA, Inc.	Other Supplier
Davis	James (Jim)	Dominion Energy Generation Marketing, Inc.	Generation Owner
DeAngelis	Tom	East Point Energy	None
Deck	Thomas	AEP Appalachian Transmission Company, Inc.	Transmission Owner
Delafield	Tom	Renewable Energy Services	None
Denby	Brett	NOVEC	None
Dertzbaugh	Tim	Foundation Solar Partners	None
Desser	Claire	Atlas	None
Dionne	Sam	Sun pin solar	None
Dixit	Anuj	Recurrent Energy, LLC	Other Supplier
Dolan	James	PJM Interconnection, LLC	None
Dorner	Amber	Coned	Transmission Owner
Drom	Richard (Rick)	Eckert Seamans	None
Edmondson	Lucy	Public Staff - North Carolina Utilities Commission	End-Use Customer
Edor	Sel	Bai Group LLC	None
Esber	Ken	None	None
Evans	Robert	Walden Renewables Development LLC	Other Supplier
Fabian	Natalie	Duke Energy Ohio, Inc.	Transmission Owner
Faisal	Akim	PJM Interconnection, LLC	None
Fall	Maguette	EDF Renewable Energy	None
Fernandes	Anisha	PJM Interconnection, LLC	None
Filomena	Guy	Customized Energy Solutions, Ltd.*	None
Fink	Regan	Pine Gate Mid-Atlantic, LLC	Other Supplier
Fink	Sari	American Clean Power Association	None



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Foladare	Kenneth (Ken)	Geenex Solar LLC	Other Supplier
Foley	Pauline	PJM Interconnection, LLC	None
Fong	Amanda	MISO (Midcontinent Independent System Operator)	None
Ford	Adrien	Old Dominion Electric Cooperative	Electric Distributor
Ford	Nicholas (Nick)	Hexagon Energy	None
Franks	Christine	PJM Interconnection, LLC	None
Fuerst	Gary	American Transmission Systems, Inc.	Transmission Owner
Fuess	Christian	PBF Power Marketing, LLC	Generation Owner
Fuller	Peter	NRG Power Marketing, LLC	Generation Owner
Fung	Betty	Recurrent Energy, LLC	Other Supplier
Gangadharan	Aditya	NOVI Energy LLC	None
Gasper	Lou	Mill Creek Renewables	None
Ghayas	Awais	PJM Interconnection, LLC	None
Ghodsian	Arash	American Transmission Company, LLC	None
Glatz	Suzanne (Sue)	PJM Interconnection, LLC	None
Glazer	Craig	PJM Interconnection, LLC	None
Golyshevsky	Ed	Guidehouse	None
Gray	Jeffrey (Jeff)	Gray LLC	None
Greene III	Benjamin	AEP Appalachian Transmission Company, Inc.	Transmission Owner
Greening	Michele	PJM Interconnection, LLC	None
Grieve	Andrew	Pine Gate Mid-Atlantic, LLC	Other Supplier
Griffith	Scott	Duke Energy Renewable Services, LLC	Generation Owner
Gunn	Garan	Public Service Electric & Gas Company	Transmission Owner
Guo	Chengyue	ATC LLC	None
Habberfield	James	Duquesne Light Company	Transmission Owner
Han	Minnie	Enel Trading North America, LLC	Other Supplier
Hanser	Erik	Michigan Public Service Commission	None
Harathi	Yashaswin	IMG Energy Solutions LLC	None
Hari	Sri	TNSK	None
Harris	Kevin	PECO Energy Company	Transmission Owner
Hasan	Saeed	Wood PLC	None
Hastings	David	Market Interconnection Consulting Services (MICS)	None
Hathcock	Jason	Strata Solar	None
Heisey	Bradley	Wolf Hills Energy, LLC	Generation Owner
Herel	Suzanne	PJM Interconnection, LLC	None

Herman	Michael	PJM Interconnection, LLC	None
Hicks	Rebecca	Dominion Energy Generation Marketing, Inc.	Generation Owner
Hoatson	Thomas (Tom)	Riverside Generating, LLC	Generation Owner
Hohenshilt	Jennifer	Talen Energy Marketing, LLC	Generation Owner
Horning	Lynn Marie	Customized Energy Solutions, Ltd.*	None
Horstmann	John	Dayton Power & Light Company (The)	Transmission Owner
Hough	Dennis	The Federal Energy Regulatory Commission	None
Howe	Cullen	Natural Resources Defense Council	None
Hudis	Gabriella	Jersey Green Energy LLC	Other Supplier
Hudson	Jeff	Urban Grid Solar Projects, LLC	Other Supplier
Huff	Scott	AEP Appalachian Transmission Company, Inc.	Transmission Owner
Hugee	Jacquelyn (Jacqui)	Dominion Energy Generation Marketing, Inc.	Generation Owner
Hunter	Scott	New Jersey Board of Public Utilities	None
Huntoon	Stephen	Chesapeake Transmission LLC	Other Supplier
Hutt	Daniel	Public Service Electric & Gas Company	Transmission Owner
Hyzinski	Tom	GT Power Group	None
Iler	Arthur (Art)	Indiana Office of Utility Consumer Counsel	End-Use Customer
Islam	Lubaba	Rockland Electric Company	Transmission Owner
Janapareddy	Anupama (Anu)	Green River Holdings, LLC	Generation Owner
Jayachandran	Marilyn	PJM Interconnection, LLC	None
Jayasinghe	Savini	Kanin Energy	None
Jenkins	Kyle	Eastpoint Energy	None
Johns	Grant	BW Solar	None
Johnson	Carl	Customized Energy Solutions, Ltd.*	None
Johnson	Jessica	Timmons Group	None
Jones	Peter	Energy Endeavors, LLC	Other Supplier
Joshi	Karan	Vestas	None
Kadous	Mohamed	AEP Appalachian Transmission Company, Inc.	Transmission Owner
Kalaskar	Rahul	AES	None
Kelly	Stephen	Brookfield Energy Marketing LP	Other Supplier
Kent	Janessa	Duquesne Light Company	Transmission Owner
Kilgallen	Kevin	Avangrid Renewables LLC	Generation Owner
Kinney	Josh	Hexagon Energy	None

Kirkpatrick	Brian	Weston Solutions	None
Kogut	George	New York Power Authority	Other Supplier
Kou	Derek	EDP Renewables North America, LLC	Generation Owner
Kovler	Ed	PJM Interconnection, LLC	None
Kuchan	Meagan	PPL Electric Utilities Corp. dba PPL Utilities	Transmission Owner
Kurthakoti	Divya	Orsted US Trading LLC	Other Supplier
Laios	Takis	AEP Appalachian Transmission Company, Inc.	Transmission Owner
Lambert	Andrew	PJM Interconnection, LLC	None
Le	Nam	Primergy Solar	None
Li	Abbey	Mitsubishi Electric Power Products (MEPPI) USA	None
Lichtin	Steven	Go Electric Inc.	None
Linder	Nicholas	Ulteig	None
Lopez	Annie	East Point Energy	None
Lopez	Annie	East Point Energy	None
Lopez	Marleny	EN Engineering	None
Lopez-Lopez	Anthony	Bryndan Associates, Inc.	None
Luo	Cheng	Sargent & Lundy	None
Lyakhovich	Leonid	Public Service Electric & Gas Company	Transmission Owner
Mabry	David	McNees Wallace & Nurick LLC	None
MacLearnsberry	Kirk	Teichos Energy	None
Malcolm	Kimberly	FirstEnergy Corporation	Transmission Owner
Mathesen	Michael	DM3	None
Mazari	Shailabh	Duke Energy Ohio, Inc.	Transmission Owner
Mazari	Shukul	Savion, LLC	None
McCarthy	Thomas (Tom)	Capital Power (US) Holdings Inc.	None
McClelland	Maura	Public Utilities Commission of Ohio	None
McCormick	Katharine	Illinois Commerce Commission	None
McDewell	Christian	Commonwealth of PA	None
McGill	Susan	PJM Interconnection, LLC	None
McNeil	Justin	Office of the Attorney General, Kentucky	End-Use Customer
Mekala	Karthik	RWE Renewables Americas, LLC	Generation Owner
Midgley	Sharon	Exelon Business Services Company, LLC	Transmission Owner
Militello	Nicole	PJM Interconnection, LLC	None
Mirza	Usman	Armener Tech	None
Mudgal	Sumeet	Qcells	None
Mundhra	Rishabh	Compass Energy Consulting	None



Murphy	Shaun	Urban Grid Solar Projects, LLC	None
Murray	Frank	DM3	None
Murteira	Ana	Public Service Electric & Gas Company	Transmission Owner
Nestel	Stacey	PJM Interconnection, LLC	None
Neu	Scott	AES Integrated Energy, LLC	Other Supplier
Neumann	Jake	None	None
Neumann	Jacob	None	None
Nix	Emma	Gable and Associates	None
Noel Jeune	Reynaldo	PPL Electric Utilities Corp. dba PPL Utilities	Transmission Owner
O'Brien	Pete	Luminous	None
O'Hara	Bernard (Bernie)	Sargent & Lundy	None
Okenfuss	James	Savion, LLC	None
Ondayko	Brock	AEP Appalachian Transmission Company, Inc.	Transmission Owner
Pahwa	Ankit	Burns & McDonnell	None
Panditrao	Suveer	Standard Solar	None
Pawar	Aasawari	First Solar, Inc.	None
Petti	Joseph	Dominion Energy Generation Marketing, Inc.	Generation Owner
Pham	Bao	Old Dominion Electric Cooperative	Electric Distributor
Picard	Shawn	Tiger Gen Co	None
Porter	Warren	Department of Atmospheric Science at University of Maryland -- College Park	None
Potter	Jeff	Renewable Energy International LLC	None
Poulos	Greg	CAPS	None
Poulson	Marc	APV	None
Prasad	Julian	Epeco Consulting	None
Pratt	Nicholas (Nick)	PPL Electric Utilities Corp. dba PPL Utilities	Transmission Owner
Price	Ruth	Division of the Public Advocate of the State of Delaware	End-Use Customer
Ptak	Anton	EDF Renewable Energy	None
Quarterman	Chris	Meridian Energy	None
Ragsdale	Jeriotte	PJM Interconnection, LLC	None
Rainey	John	Northern Virginia Electric Cooperative	Electric Distributor
Ranaweera	Aruna	Hecate Energy	None
Reagan	Ryann	New Jersey Board of Public Utilities	None
Redding	Andrew	Heelstone Renewable Energy	None
Richards Jr	Cleveland	Price Waterhouse Cooper	None



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Roach	Temujin	MISO (Midcontinent Independent System Operator)	None
Robichaud	Donna	Geenex Solar LLC	Other Supplier
Rodriguez	Tomas	OPSI	None
Rohrbach	John	Southern Maryland Electric Cooperative, Inc.	Electric Distributor
Rohs	Fred	Marina Energy, LLC	Generation Owner
Sajja	Pavan	Northern Indiana Public Service Company	Other Supplier
Sandler	Simon	Q Cells America Inc.	None
Sanger	Martha	AEP Appalachian Transmission Company, Inc.	Transmission Owner
Sanger	Martha	AEP Appalachian Transmission Company, Inc.	Transmission Owner
Sasser	Jonathan	Customized Energy Solutions, Ltd.*	None
Sawyer	Morgan	NJ Board of Public Utilities	None
Scarpignato	David (Scarp)	Calpine Energy Services, L.P.	Generation Owner
Scheirer	Alexandra	PJM Interconnection, LLC	None
Schmitt	Catherine	Public Service Electric & Gas Company	Transmission Owner
Schmitt	David	New Jersey Board of Public Utilities	None
Schneider	Brian	City Financial	None
Schriner	Jordan	Bow Renewables	None
Seide	Richard	Apex Clean Energy	None
Seiler	Kenneth (Ken)	PJM Interconnection, LLC	None
Shaifer	James	NCRE Solar	None
Shaikh	Mohammed	Plus Power, LLC	None
Shalin	Shalin	Korsail	None
Sharpe	Ian	Leeward Renewable Energy, LLC	None
Shoemaker	Jason	PJM Interconnection, LLC	None
Silverman	Abe	NJ Board of Public Utilities	None
Sims	Mark	PJM Interconnection, LLC	None
Singh	Ruchi	Duquesne Light Company	Transmission Owner
Slagel	Ronald	Other	None
Smith	Patrick	Duke Energy Renewable Services, LLC	Generation Owner
Spears	Ben	Urban Grid Solar Projects, LLC	Other Supplier
Stanfill	Susan	Pine Gate Mid-Atlantic, LLC	Other Supplier
Staples	Boone	Tenaska Power Services Co.	Generation Owner
Starr	Anna	Galehead Development	None
Stern	Alexander (Alex)	Public Service Electric & Gas Company	Transmission Owner



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Stines	Zachary	Borrego Solar Systems, Inc.	None
Street	Jason	AES Ohio Generation, LLC	Generation Owner
Stuchell	Jeff	FirstEnergy Corporation	Transmission Owner
Stupar	Rob	Invenergy, LLC	Generation Owner
Sunderman	Derek	Tradewind Energy, Inc.	None
Sussler	Philip	Maryland Public Service Commission	None
Swalwell	Brad	Tangent Energy Solutions, Inc.	Other Supplier
Swanger	Eric	AEP Appalachian Transmission Company, Inc.	Transmission Owner
Sweeney	Rory	GT Power Group	None
Szot	Lisa	Szot Energy Services, LLC	None
Tashakkori	Cyrus	Open Road Renewables, LLC	None
Taylor	Robert	Exelon Business Services Company, LLC	Transmission Owner
Tekle	Zelalem	Baltimore Gas and Electric Company	Transmission Owner
Thomas	Jack	PJM Interconnection, LLC	None
Thompson	Jonathan	PJM Interconnection, LLC	None
Thornton	Matthew	Long Road Energy	None
Toppo	Shilpa	174 Power Global	None
Turano	Eileen	Saturn Power	None
VanBlargan	Bryna	Resource Investments	None
Vander Vorst	Aaron	Tradewind Energy, Inc.	None
Vogel	Charles	Oriden Power	None
Volpe	Mike	Open Road Renewables, LLC	None
Wagner	Annie	One Energy Renewables	None
Wagner	Emily	Gale Head	None
Walcavich	Colin	National Grid	None
Wallace	Eric	Greene Hur Locker	None
Wang	Daniel	sPower Energy Marketing, LLC	Generation Owner
Warren	Wendy	Wright & Talisman, P.C.	None
Webster	Andrew	Q Cells America Inc.	None
Wehnes	Kathleen	Maryland Public Service Commission	None
Weigel	Shannon	Edison Energy	None
Welch	Austin	None	None
Whalen	Michael	Foundation Solar Partners	None
White	Brett	Other	None
Whitehead	Jeffrey	GT Power Group	None
Widom	Stuart	PJM Interconnection, LLC	None
Wilches	Rafael	Public Service Electric & Gas Company	Transmission Owner
Wilkinson	Eric	Orsted US Trading LLC	Other Supplier



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<b>Williams</b>	<b>Lesley</b>	<b>Geenex Solar LLC</b>	<b>Other Supplier</b>
<b>Willson</b>	<b>Jonathan</b>	<b>Walden Renewables Development LLC</b>	<b>Other Supplier</b>
<b>Wilson</b>	<b>De Andre</b>	<b>Maryland Public Service Commission</b>	<b>None</b>
<b>Wolfe</b>	<b>Art</b>	<b>PJM Interconnection, LLC</b>	<b>None</b>
<b>Yoder</b>	<b>Michael</b>	<b>RTO Insider</b>	<b>None</b>
<b>Young</b>	<b>Brandon</b>	<b>Public Service Electric &amp; Gas Company</b>	<b>Transmission Owner</b>
<b>Yovanovich</b>	<b>Laura</b>	<b>PJM Interconnection, LLC</b>	<b>None</b>
<b>Zhu</b>	<b>Kun</b>	<b>Sun Energy</b>	<b>None</b>