

Interconnection Process Reform Task Force (IPRTF)

November 30, 2021

9:00 a.m. – 12:00 p.m. ET

Administration

1. Jack Thomas, PJM, called the meeting to order. Ed Kovler, PJM, reviewed the Antitrust, Code of Conduct.

Ed Kovler reviewed the November 23, 2021 IPRTF Draft Meeting Minutes. No objections or changes were requested. The Meeting Minutes were approved.

Ed Kovler reviewed the November 30, 2021 IPRTF Agenda. No changes to the agenda were requested.

CBIR Process

2. PJM reviewed their updated solution proposal.
3. Cypress Creek Renewables and Open Road Renewables reviewed their presentation for a hybrid transition proposal based.

Attendee List

Last Name	First Name	Company	Sector
Abed	Abbas	Innergex Renewable USA LLC	Generation Owner
Adams	Darrin	East Kentucky Power Cooperative, Inc.	Transmission Owner
Adams	Michael	Public Service Electric & Gas Company	Transmission Owner
Ali	Shadab	PPL Electric Utilities Corp. dba PPL Utilities	Transmission Owner
Andalora	Christina	PJM Interconnection, LLC	None
Anders	David	PJM Interconnection, LLC	None
Anderson	Jared	S&P Global Inc.	None
Andrews	Wes	Torch Clean Energy	None
Atewologun	Tobiloba (Tobi)	Williams	None
Azzam	Dave	Meridian Energy	None
Baker	Erin	Vesper Energy Development LLC	None
Baker	Erin	Vesper Energy Development LLC	None
Bautista	Alejandro	PJM Interconnection, LLC	None
Benckek	Jim	American Transmission Systems, Inc.	Transmission Owner
Benckek	Jim	American Transmission Systems, Inc.	Transmission Owner
Bergstrom	Eric	Conifer Power	None
Bernstein	Matthew	PJM Interconnection, LLC	None

Berton	Tyler	AEP Appalachian Transmission Company, Inc.	Transmission Owner
Brady	Mike	IMG Energy Solutions	None
Brecke	Tracy	Mitsubishi Electric Power Products (MEPPI) USA	None
Brodbeck	John	EDP Renewables North America, LLC	Generation Owner
Brown	David	NJ Board of Public Utilities	None
Bruno	Peter	Cypress Creek Renewables, LLC	Generation Owner
Bryant	Eric	FirstEnergy Corporation	Transmission Owner
Bryant	Eric	FirstEnergy Corporation	Transmission Owner
Burnham	Kat	Advanced Energy Economy (AEE)	None
Bush	Doug	IMG Midstream LLC	Generation Owner
Callen	Zachary (Zac)	Illinois Commerce Commission	None
Canter	David	AEP Appalachian Transmission Company, Inc.	Transmission Owner
Capparelli	David	Dakota Power Partners	None
Carmean	Gregory	OPSI	None
Carrier	Ronald (Ron)	Big Lake Consulting	None
Carrier	Ronald (Ron)	Big Lake Consulting	None
Cater	Todd	Foundation Solar Partners	None
Caven	Onyinye	PJM Interconnection, LLC	None
Cham	Edrissa	Tradewind Energy, Inc.	None
Chang	Sean	Shell Energy North America (US), L.P.	Other Supplier
Chocarro Aguirrebengoa	Iker	RWE Renewables Americas, LLC	Generation Owner
Choi	Wonbae	Samsung C&T America, Inc	None
Christopher	Mahila	Public Utilities Commission of Ohio (The)	None
Circelli	Roseanne	Public Service Electric & Gas Company	Transmission Owner
Cline	Tyler	Coronal Energy	None
Connell	Jason	PJM Interconnection, LLC	None
Connell	Jason	PJM Interconnection, LLC	None
Contino	Jarrett	EDP Renewables North America, LLC	Generation Owner
Crawford	Byron	Amazon Energy LLC	Other Supplier
Crawford	Eric	None	None
Crenshaw	Walter	Community Energy, Inc.	Other Supplier
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

D'Alessandris	Lou	FirstEnergy Corporation	Transmission Owner
Dao	Tom	Bechtel	None
Davidson	Andrew	X-ELIO North America	None
Davis	David	Strata Solar	None
Davis	James (Jim)	Dominion Energy Generation Marketing, Inc.	Generation Owner
Davis	James (Jim)	Dominion Energy Generation Marketing, Inc.	Generation Owner
DeAngelis	Tom	East Point Energy	None
Delaney	Liz	Borrego Solar Systems	None
DeLosa	Joseph	DE Public Service Commission	None
Dertzbaugh	Tim	Foundation Solar Partners	None
Desmarais	Dennis	Birch Cooperative	None
Deyerle	Anthony	Sun Tribe Solar, LLC	Other Supplier
Dixit	Anuj	Recurrent Energy, LLC	Other Supplier
Doering	Anthony	Savion Energy	None
Dugan	Chuck	East Kentucky Power Cooperative, Inc.	Transmission Owner
Dumitriu	Nicolae	PJM Interconnection, LLC	None
Edgar-Smith	Collin	PJM Interconnection, LLC	None
Edwards	Jason	DM3 PSC	None
Ercoli	Chris	Brookfield Energy Marketing LP	Other Supplier
Esber	Ken	None	None
Esber	Ken	None	None
Evans	Robert	Walden Renewables Development LLC	Other Supplier
Fabian	Natalie	Duke Energy Ohio, Inc.	Transmission Owner
Fakhoury	Ray	Fowler Ridge IV Wind Farm LLC	Generation Owner
Feller	John	PPL Electric Utilities Corp. dba PPL Utilities	Transmission Owner
Fernandes	Anisha	PJM Interconnection, LLC	None
Fields	Kevin	Dominion Energy Generation Marketing, Inc.	Generation Owner
Filomena	Guy	Customized Energy Solutions, Ltd.*	None
Filomena	Guy	Customized Energy Solutions, Ltd.*	None
Fink	Regan	Pine Gate Mid-Atlantic, LLC	Other Supplier
Fink	Sari	American Clean Power Association	None
Foladare	Kenneth (Ken)	Geenex Solar LLC	Other Supplier
Fong	Amanda	MISO (Midcontinent Independent System Operator)	None
Ford	Adrien	Old Dominion Electric Cooperative	Electric Distributor

Ford	Nicholas (Nick)	Hexagon Energy	None
Ford	Adrien	Old Dominion Electric Cooperative	Electric Distributor
Franks	Edmund (Ed)	PJM Interconnection, LLC	None
Fronsdahl	Nicole	1898 and Co.	None
Fuess	Christian	PBF Power Marketing, LLC	Generation Owner
Fung	Betty	Recurrent Energy, LLC	None
Gaddes	Caleb	Lightsource Renewable Energy Development, LLC	Other Supplier
Ghodsian	Arash	American Transmission Company, LLC	None
Gilani	Rehan	ConEdison Energy, Inc.	Other Supplier
Glatz	Suzanne (Sue)	PJM Interconnection, LLC	None
Glazer	Craig	PJM Interconnection, LLC	None
Golder	Drew	Lightsource Renewable Energy Development, LLC	None
Gonzalez Miguelez	Rodrigo	Acciona Energy North America Corporation	Generation Owner
Gray	Jeffrey (Jeff)	Gray LLC	None
Greene III	Benjamin	AEP Appalachian Transmission Company, Inc.	Transmission Owner
Greenfield	Juanita	Davis Wright Tremaine	None
Grieve	Andrew	Pine Gate Mid-Atlantic, LLC	Other Supplier
Griffith	Scott	Duke Energy Renewable Services, LLC	Generation Owner
Gulland	Sam	Torch Clean Energy	None
Gunn	Garan	Public Service Electric & Gas Company	Transmission Owner
Gupta	Dhruv	Electric Power Engineers, Inc.	None
Han	Minnie	Enel Trading North America, LLC	Other Supplier
Hastings	David	Market Interconnection Consulting Services (MICS)	None
Hathcock	Jason	Strata Solar	None
Heitmeyer	Chad	AEP Appalachian Transmission Company, Inc.	Transmission Owner
Hennessee	Cody	Bridge Link Investments	None
Herel	Suzanne	PJM Interconnection, LLC	None
Hibshman	Michael	Hexagon Energy	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
Hua	Ling	Clearway Energy Group LLC	None
Hudis	Gabriella	Jersey Green Energy LLC	Other Supplier
Hudson	Jeff	Urban Grid Solar Projects, LLC	Other Supplier
Hugee	Jacquelynn (Jacqui)	Dominion Energy Generation Marketing, Inc.	Generation Owner
Hull	Gerit	American Municipal Power, Inc.	Electric Distributor
Hutt	Daniel	Public Service Electric & Gas Company	Transmission Owner
Hyzinski	Tom	GT Power Group	None
Hyzinski	Tom	GT Power Group	None
Janapareddy	Anupama (Anu)	Green River Holdings, LLC	Generation Owner
Jardot	Gina	Essential Power Rock Springs, LLC	Generation Owner
Jayachandran	Marilyn	PJM Interconnection, LLC	None
Johnson	Carl	Customized Energy Solutions, Ltd.*	None
Johnston	David	Indiana Utility Regulatory Commission	None
Jones	Peter	Energy Endeavors, LLC	Other Supplier
Joshi	Karan	Vestas	None
Kalle	Ibrahima	Tibiri Energies	None
Kauffman	Brian	Enel X North America, Inc.	Other Supplier
Kent	Janessa	Duquesne Light Company	Transmission Owner
Keyes	Davis	Clearway Energy Group LLC	None
Kidwell	Christopher	Duke Energy Business Services LLC	Transmission Owner
Kilday	Connor	Hyde Engineering Services, Inc	None
Kilgallen	Kevin	Avangrid Renewables LLC	Generation Owner
King	Blake	RES America Developments, Inc.	Generation Owner
Kinney	Josh	Hexagon Energy	None
Kogut	George	New York Power Authority	Other Supplier
Kovler	Ed	PJM Interconnection, LLC	None
Kurthakoti	Divya	Orsted US Trading LLC	Other Supplier
Laios	Takis	AEP Appalachian Transmission Company, Inc.	Transmission Owner
Lambert	Andrew	PJM Interconnection, LLC	None
Landa	Bulmaro	Algonquin Energy Services, Inc.	Generation Owner
Larabee	Haley	Cypress Creek Renewables, LLC	Generation Owner
Li	Abbey	Mitsubishi Electric Power Products (MEPPI) USA	None

Li	Jerry	Capstone DC	None
Lichtin	Steven	Go Electric Inc.	None
Linder	Nicholas	Ulteig	None
Lines	Sam	Able Grid Development Holdings, LLC	None
Litchfield	Matthew	CPV Shore, LLC	Generation Owner
Liu	Jenny	Jupiter Power LLC	Other Supplier
Lopez	Annie	East Point Energy	None
Lopez-Lopez	Anthony	Bryndan Associates, Inc.	None
Lynch	Jessica	PJM Interconnection, LLC	None
Mabry	David	McNees Wallace & Nurick LLC	None
Malcolm	Kimberly	FirstEnergy Corporation	Transmission Owner
Mazari	Shukul	Savion, LLC	None
McArdle	Brian	NextEra Energy Power Marketing, LLC	Other Supplier
McCarthy	Thomas (Tom)	Capital Power (US) Holdings Inc.	None
McCarthy	Thomas (Tom)	Capital Power (US) Holdings Inc.	None
McCormick	Katharine	Illinois Commerce Commission	None
McGill	Susan	PJM Interconnection, LLC	None
McNeil	Justin	Office of the Attorney General, Kentucky	End-Use Customer
McNeley	Michael	Dynamic Energy	None
Mehta	Gaurav	Enel Trading North America, LLC	Other Supplier
Mekala	Karthik	RWE Renewables Americas, LLC	Generation Owner
Miarka	Erich	Savion, LLC	None
Midgley	Sharon	Exelon Business Services Company, LLC	Transmission Owner
Muller	Hannah	Clearway Energy Group LLC	None
Murphy	Shaun	PJM Interconnection, LLC	None
Najafabadi	Amin	DNV	None
Nestel	Stacey	PJM Interconnection, LLC	None
Nix	Emma	Gable and Associates	None
Noel Jeune	Reynaldo	PPL Electric Utilities Corp. dba PPL Utilities	Transmission Owner
Okenfuss	James	Savion, LLC	None
Ondayko	Brock	AEP Appalachian Transmission Company, Inc.	Transmission Owner
Padilla	Leslie	Candela Renewables	None
Padilla	Leslie	Candela Renewables	None
Pahwa	Ankit	Burns & McDonnell	None
Panegal	Ash	Apex Clean Energy	None

Patil	Ninad	PJM Interconnection, LLC	None
Paul	Conrad	FirstEnergy Corporation	Transmission Owner
Pawar	Aasawari	First Solar, Inc.	None
Peacey	Denelle	TransAlta Energy Marketing (U.S.) Inc.	Other Supplier
Perkins	Anna	Scout Clean Energy LLC	None
Pham	Bao	Old Dominion Electric Cooperative	Electric Distributor
Pratt	Nicholas (Nick)	PPL Electric Utilities Corp. dba PPL Utilities	Transmission Owner
Pratt	Nicholas (Nick)	PPL Electric Utilities Corp. dba PPL Utilities	Transmission Owner
Price	Drew	Hexagon Energy	None
Ptak	Anton	EDF Renewable Energy	None
Qi	Liang	MISO (Midcontinent Independent System Operator)	None
Ragsdale	Jeriotte	PJM Interconnection, LLC	None
Ranaweera	Aruna	Hecate Energy	None
Ranaweera	Aruna	Hecate Energy	None
Redding	Andrew	Heelstone Renewable Energy	None
Renzi	Kim	FirstEnergy Corporation	Transmission Owner
Richards	David	Megawatt Farming	None
Richards Jr	Cleveland	Price Waterhouse Cooper	None
Robichaud	Donna	Geenex Solar LLC	Other Supplier
Rodriguez	Tomas	OPSI	None
Rumler	Ed	Atlas	None
Sarubbi	Alyssa	CEP Rewables LLC	None
Sasser	Jonathan	Customized Energy Solutions, Ltd.*	None
Scarpignato	David (Scarp)	Calpine Energy Services, L.P.	Generation Owner
Schmitt	David	New Jersey Board of Public Utilities	None
Schriner	Jordan	Bow Renewables	None
Scott	Alicia	BQ Energy LLC	None
Scott	Carter	Ranger Power	None
Seeley	Dylan	PJM Interconnection, LLC	None
Seide	Richard	Apex Clean Energy	None
Seiler	Kenneth (Ken)	PJM Interconnection, LLC	None
Shah	Pulin	PECO Energy Company	Transmission Owner
Shaifer	James	NCRE Solar	None
Shaifer	James	NCRE Solar	None
Shaikh	Mohammed	Plus Power, LLC	None

Sharpe	Ian	Leeward Renewable Energy, LLC	None
Shoemaker	Jason	PJM Interconnection, LLC	None
Sims	Mark	PJM Interconnection, LLC	None
Sliwa	Stanley	PJM Interconnection, LLC	None
Smith	Patrick	Duke Energy Renewable Services, LLC	Generation Owner
Soininen	John	Brookfield Energy Marketing LP	Other Supplier
Soorya	Radha	Other	None
Sotkiewicz	Paul	E-Cubed Policy Associates	None
Souder	David (Dave)	PJM Interconnection, LLC	None
Speelman	Jennie	PJM Interconnection, LLC	None
Stanley	Chuck	ION Group	None
Staples	Boone	Tenaska Power Services Co.	Generation Owner
Stephenson	Josh	PJM Interconnection, LLC	None
Stern	Alexander (Alex)	Public Service Electric & Gas Company	Transmission Owner
Stratton	Adam	Acciona Energy North America Corporation	None
Street	Jason	AES Ohio Generation, LLC	Generation Owner
Strom	Ryan	Buckeye Power, Inc.	Electric Distributor
Stuchell	Jeff	FirstEnergy Corporation	Transmission Owner
Stupar	Rob	Invenergy, LLC	Generation Owner
Sunderman	Derek	Tradewind Energy, Inc.	None
Swalwell	Brad	Tangent Energy Solutions, Inc.	Other Supplier
Sweeney	Rory	GT Power Group	None
Szot	Lisa	Szot Energy Services, LLC	None
Tashakkori	Cyrus	Open Road Renewables, LLC	None
Tekle	Zelalem	Baltimore Gas and Electric Company	Transmission Owner
Thomas	Amber	Exelon Business Services Company, LLC	Transmission Owner
Thomas	Jack	PJM Interconnection, LLC	None
Thomas	Jack	PJM Interconnection, LLC	None
Thompson	Jonathan	PJM Interconnection, LLC	None
Toppo	Shilpa	174 Power Global	None
Tribulski	Jennifer (Jen)	PJM Interconnection, LLC	None
Turner	Eli	Sun Tribe Solar, LLC	Other Supplier
van Slyke	Torry	Clenera	None
VanBlargan	Bryna	Resource Investments	None
Vander Vorst	Aaron	Tradewind Energy, Inc.	None
Villarreal	Jose	Acciona Energy North America Corporation	Generation Owner

Vogel	Charles	Oriden Power	None
Volpe	Mike	Open Road Renewables, LLC	None
Von Pinho	Frederico	NextEra Energy Transmission, LLC	Other Supplier
Wang	Daniel	sPower Energy Marketing, LLC	Generation Owner
Warren	Wendy	Wright & Talisman, P.C.	None
Wehnes	Kathleen	Maryland Public Service Commission	None
Weitzner	Henry	Walden Renewables Development LLC	Other Supplier
West	Chris	East Light Partners	None
Whalen	Michael	Foundation Solar Partners	None
Wharton	Matthew	Guidehouse, Inc.	None
White	Brett	Other	None
Whitehead	Jeffrey	GT Power Group	None
Wieland	John	Leeward Renewable Energy, LLC	None
Wilches	Rafael	Public Service Electric & Gas Company	Transmission Owner
Wilkinson	Eric	Orsted US Trading LLC	Other Supplier
Williams	Lesley	Geenex Solar LLC	Other Supplier
Willson	Jonathan	Walden Renewables Development LLC	Other Supplier
Wolfe	Art	PJM Interconnection, LLC	None
Worcester	Alex	Transmission Analytics	None
Yoder	Michael	RTO Insider	None
Young	Brandon	Public Service Electric & Gas Company	Transmission Owner
Zhou	Feng	Plus Energy Storage	None
Zwecker	Zoe	Hyde Engineering Services, Inc	None