IEEE PES SWITCHGEAR COMMITTEE MAIN COMMITTEE BUSINESS MEETING AGENDA Thursday, April 20, 2023 10:00 AM - 12:00 PM (EDT)

Item	Description	Presenter
1	Call Meeting to Order	Doug Edwards – Chair
'	Called to order at 10:00	
	Introduction of Members and Guest	John Webb - Secretary
	New Switchgear Committee members recognized:	
	- Mauricio Aristizabal Hitachi Energy	
	- Lucas Collette Duquesne Light Co.	
2	- Michael Crawford Mitsubishi Electric	
	- Jason Cunningham Southern States, LLC - Laura Reid Hubbell	
	- Eddie Wilkie Eaton	
	- Charles Worthington Hubbell	
3	Attendance and Quorum Check	John Webb
o	Quorum achieved; reminder to confirm your attendance in the published minutes (atte	ndance attached)
4	Agenda Review and Approval	Doug Edwards
4	Ron Hartzel moved, Dan Hrncir 2 ^{nd -} Approved by unanimous consent	
5	Approval of Fall 2022 Meeting Minutes	Doug Edwards
5	Dan Hrncir moved, Mike Lafond 2 ^{nd -} Approved by unanimous consent	
6	Thank You to Our Spring 2022 Supports	relll
0	Thank You to Our Spring 2023 Supporte	13::::
7	Chairman's Report	Doug Edwards
-	Thanks to all attendees for diligence, dedication and drive for the hard work during the	
0	Switchgear Committee Financial Report	John Webb - Treasurer
8	Committee is solvent and projects being solvent for future meetings. The audit of the 2 IEEE is in process.	2022 financial activities by
	Standards Coordinator's Report	Keith Flowers
	Report of Standards Coordinator to be filed as a separate document.	
9	Reminded all attendees that "Fundamental of Working Groups" training is now option	
-	perhaps made mandatory once again; the Anti-Trust Training is MANDATORY for all C	Committee, Subcommittee
	and WG officers by end of year. All new appointees to WG should contact Standards Coordinator to be sure they are pro-	anorly oot up in My Project
	Technical Committee Program Coordinator (TCPC)	Kevin Sippel
10	Reported four (4) papers accepted for presentation at the General Meeting.	Keviii Sippei
	Registrar's Report	Jeremy Hensberger
	262 participants, 45 companions, 50 1st time attendees; 22 Supporters - \$47,000	Jeremy Hensberger
11	Affiliations by exception: Dave Mitchell – Southern States, LLC and Daniel Hook – Int	ernational Electrical
	Testing Association	
	Subcommittee Reports	
	Administrative (ADSCOM)	Donnie Swing
12	1. RODE to change title for Recloser Standard C37.60/62271-111 to update title to ".	9
12	the upper limit of voltage " up to 38 kV".	ŭ
	2. Further liaison with transformer committee with respect to C57.12.28 and C57.12.	29
	Education, Recognition & Publications (ERP)	Nenad Uzelac
	ERP Chair reported there will be future activities to increase Education and Training	content during committee
	meetings.	
	Presented several awards: 1. International Award – Leslie Falkingham	
13	2. Working Group C37.20.2: Michael Wactor, Terr Woodyard and members of the W	'G
	3. C37.012: Lucas Collette, Roy Alexander and members of the WG	-
	4. C37.30.1: Jacob Blake, Carl Reigart and members of the WG	
	Acknowledgement of four new IEEE Senior Members and all existing Senior, Life a	nd Senior Life members;
	encouragement for all attendees to pursue Senior Member Status	
DO.	Special Recognition of for Michael Wactor who will be retiring as outgoing Standards (Joordinator.

IEEE PES SWITCHGEAR COMMITTEE MAIN COMMITTEE BUSINESS MEETING AGENDA Thursday, April 20, 2023

10:00 AM - 12:00 PM (EDT)

Item	Description	Presenter
14	High Voltage Fuses (HVF)	Sterlin Cochran
14	No items for action by the Main Committee; other standards work to be reported in the	HVF minutes
15	High Voltage Switches (HVS)	Bill Hurst
10	No items for action by the Main Committee; other standards work to be reported in the	HVS minutes
	High Voltage Circuit Breakers (HVCB)	Carl Schuetz
16	Reported five (5) new members to voting membership; other standards work will be minutes.	,
17	Low Voltage Switchgear Devices (LVSD)	Jeff Mizener
	No items for action by the Main Committee; other standards work to be reported in the	
40	Reclosers and Other Distribution Equipment (RODE)	Travis Johnson
18	No items for action by the Main Committee, however, anticipate new PAR for C37.60 inc	
	change with respect to upper voltage limit; details of other standards work to be report	
19	Switchgear Assemblies (SA) No items for action by the Main Committee; other standards work to be reported in the	Darryl Moser
	Technology and Innovation Subcommittee (TI)	Alex Cochran
20	No items for action by the Main Committee; other standards work to be reported in the	
	<u>Liaison Reports</u>	TT TIMILOCO
	Accredited Standards Committee C37	John Webb
	Reported on status of documents, in particular that ANSI C37.57 is currently withdr	awn but the progress on
21	C37.20.3 is such that finalization and balloting of that document can proceed. ANSI	C37.54 still valid but well
	overdue. Latest ballot identified some small errors with technical implications so fixe	•
	re-ballot to follow. Status document to be separately submitted for inclusion in the min	
22	Short Circuit Test Liaison of the Nations of the Americas (STLNA) Report to be separately submitted for inclusion in the Switchgear Committee minutes.	Victor Savulyak
23	CIGRÉ	Nenad Uzelac
	Report to be separately submitted for inclusion in the Switchgear Committee minutes.	
	Old Business	
	MemberPlanet Update	Doug Edwards
24	Chair presented information to encourage all attendees to create Memberplanet profile	e. Attendees of SWGR
	are about 60% entered into the system. This system will replace the old "123 Signup".	A single Memberplanet
	profiles will be used for all PES Technical Committees standards activities.	
	New Business	
25	Quorum Verification	John Webb
	Quorum previously verified.	
26	Procedural Revisions	Doug Edwards
	Chair presented forthcoming change to the Switchgear Committee P&P to remove ex-	officio voting
	membership of Switchgear Committee Officers in Entity working groups. Motion made by Keith Flowers, Ted Burse 2 nd . Discussion to correct editorial gramma	r error Motion carried
	with unanimous consent.	r orror. Wodon darrida
07	Volunteer Search	Doug Edwards
27	The Switchgear Committee officers rotate on a bi-annual basis, beginning search for n	
28	Future PES Meetings of Interest	Doug Edwards
20	Future meetings to be posted via URL on the Switchgear Committee home page.	
	Future Switchgear Committee Meetings	Doug Edwards
29	Chair presented future meetings. The Spring '24 meeting had conflicts with room available.	
	forced to choose among bad choices and the Spring '24 meeting will start on Easter S	
30	Adjourn	Doug Edwards
	Meeting adjourned at 11:42.	

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Role	Full Name	Company	City	State	S20	F20	S21	F21	S22	F22	S23
Chair	Edwards, Doug	Siemens Industry, Inc.	Wendell	NC	Х	Х	Х	Х	Х		Х
Vice-Chair	Swing, Donald	Powell Industries	Houston	TX	Х	Х	Х	Х	Х	Х	Х
Secretary	Webb, John	ABB	Pawleys Island	SC	Х	Х	Х	Χ	Χ	Χ	Χ
Past Chair	Burse, Ted	Powell Industries, Inc	Houston	TX	Х	Х	Х	Х	Х	Х	Х
Past Chair	Flowers, Keith	Siemens Industry, Inc.	Grapevine	TX	Х	Х	Х	Χ	Х	Χ	Χ
Past Chair	Irwin, Todd	GE Grid Solutions	Smithville	МО	Х	Х	Х	Х	Х		Х
Past Chair	Sigmon, Dean	Eaton Corporation	Greenwood	SC	Х	Х	Х	Χ	Х		Χ
Past Chair	Sullivan, Paul	DuPont	Cassatt	SC	Х	Х	Х	Х	Х		
VM	Ambrose, Chris	Federal Pacific (Div. of El		TN	Х	Х	Х	Х	Х	Х	
VM	Aristizabal, Mauricio	Hitachi ABB Power Grids		PA	Х	Х	Х	Х	Х		Х
VM	Barnhart, Paul	Underwriters Laboratorie		NC	X	X	X	X	Х	Х	Х
VM	Blake, Jacob	Hubbell Power Systems		AL	X	X	X	X	Х		Х
VM	Boles, Brett	Southern Company	Birmingham	AL		Х	X		Х	Х	Х
VM	Borck, Christopher	Eaton's Power Systems D		WI	Х	X	X			X	X
VM	Boyce, Russell	Eaton	Greenwood	SC	X	X	X	Х		X	X
VM	Bufi, Arben	Meiden America Switchg		SC	X	X		X	Х	X	X
VM	Byron, Eldridge	Schneider Electric	Smyrna	TN	X	X	Χ	X	X		
VM	Carne, Clint	Schneider Electric	Cedar Rapids	IA	X	X	X	X	Α	Х	
VM	Caverly, David	Trench Ltd.	Scarborough	ON	X	X	X	X			
VM			MOON TOWNSH		X	X	X	^	Х	Х	Х
	Chen, Steven	Eaton Corporation	MOON TOWNSH	IPA	X	X	X		^	X	X
VM	Cochran, Alex	United Standard Electric	N dia a para alia	N 4 N I				V			
VM	Cochran, Sterlin	Oak & Shield LLC	Minneapolis	MN	X	X	Х	X	X	X	X
VM	Cohn, Robert	Powercon Corp.	Severn	MD	X		.,	X	X	X	X
VM	Collette, Lucas	Duquesne Light	Pittsburgh	PA	X	X	X	X	X	X	X
VM	Crawford, Michael	Mitsubishi Electric	Cranberry Twp	PA	Χ	X	X	Χ	X	X	X
VM	Cunningham, Jason	Southern States, LLC	Suwanee	GA 		X	X		Х	X	X
VM	Darko, Kennedy	G&W Electric Co	Bolingbrook	IL	X	X	X	X		X	X
VM	Di Lillo, Patrick	Consolidated Edison Co.		NY	X	X	X	X	X	X	X
VM	Flores, Sergio	Schneider Electric Inc. US		TN	Х	Χ	Х	Х	Χ	Х	Х
VM	Gingrich, Paul	Avail Switchgear Systems		МО	Х	X	X	Х	Х		
VM	Gohil, Sahadev	Avail Switchgear Systems		FL	Х	Χ	Х	Χ	Х	Χ	Х
VM	Grahor, Lou	•	Moon Township	PA	Х	Х	Х	Х	Х	Х	Х
VM	Harley, John	·	Twinsburg	ОН	Х	Х	Х	Χ	Χ	Χ	Χ
VM	Hartzel, Ron	Eaton Corporation	Moon Township	PA	Х		Х	Х		Х	Х
VM	Hawkins, Tom	Siemens Industry, Inc.	Grand Prairie	TX	Χ	Χ	Χ	Χ	Х	Χ	
VM	Haynes, Gary	ABB Inc.	Elon	NC	Х	X	Χ	Х	Х	Χ	Χ
VM	Hensberger, Jeremy	Mitsubishi Electric Powe	Warrendale	PA	Χ	Х	Χ	Χ	Х	Χ	Χ
VM	Hermosillo, Victor	GE Grid Solutions	Charleroi	PA	Х	Х	Х	Χ		Χ	
VM	Hines, Jared	Eaton Corp.	Greenwood	SC	Χ	Χ	Χ	Χ	Х	Χ	Χ
VM	Hoss, Danny	Southern States	Hampton	GA	Χ		Χ	Χ	Χ		Χ
VM	Hrncir, Dan	Eaton	Arden	NC	Χ	Χ	Χ	Χ	Х	Χ	Χ
VM	Hunter, Jennifer	MEPPI	Warrendale	PA	Х	Х	Х	Χ		Χ	Χ
VM	Hurst, Bill	GE	Charleroi	PA	Х	Х	Х		Х		Χ
VM	Hutchins, Roy	Georgia Power Company	Forest Park	GA	Х	Χ	Х	Х	Х	Х	
VM	Jarnigan, Christopher	Southern Company Servi		AL		Χ	Х	Χ	Х	Х	Х
VM	Johnson, Travis	Xcel Energy	Denver	СО	Х	Χ		Х	Х	Х	Х
VM	Kaminski, John	Siemens	Mount Prospect		Χ	Χ	Х	Х	Х	Х	Χ
VM	Keels, Thomas	kEElectric Engineering	Mesa	AZ		X	X	Х	Х		
VM	Lafond, Michael	ABB	Mebane	NC	Х	Х	Х	Х	Х		Х
VM	Liu, Hua Ying	Southern California Edisc		CA	X	X	X	X			
VM	Livshitz, Albert	CE Power Engineered Ser		OH	X		X	X	Х	Х	
VM	Martin, Donald	G&W Electric Co.	Manhattan	IL	X	Х	X	X	X	X	
VM	McCord, Neil		Athens	GA	X	X	,,	X	X	X	Х
VM	Mizener, Jeff	Siemens Industry, Inc.	Ft. Worth	TX	X	X	Х	X	X	X	X
VM	Moser, Darryl	ABB	Wichita Falls	TX	X	X	X	X	X	X	X
VM	Neighbours, Terry	ABB Inc.	Lake Helen	FL	X	Λ.	X	X	X	X	X
VM	Parks, Owen	ABB	Houston	TX	X	Х	X	X	X	X	X
AIAI	raiks, Owell	UDD	Houston	1.7	٨	٨	٨	^	٨	٨	^

Role	Full Name	Company	City	State	S20	F20	S21	F21	S22	F22	S23
VM	Reid, Laura	Hubbell Power Systems		AL	Х	Х	Х	Х	Х		Х
VM	Ricciuti, Anthony	Eaton Corporation	Moon Township	PA	Χ	Х	Х	Χ	Χ	Х	Χ
VM	Riley, Caryn	Georgia Tech/NEETRAC	Forest Park	GA	Х	Х	Х	Х	Х	Х	Х
VM	Rokser, Ian	Eaton Corp	South Milwauke	e WI	Х	Х	Х	Χ	Χ	Χ	Χ
VM	Schiffbauer, Daniel	Toshiba International Co	Oliver	PA	Х		Х		Х	Х	Х
VM	Schneider, Carl	Schneider Electric	Murfreesboro	TN	Х	Х	Х	Χ	Χ	Χ	
VM	Schuetz, Carl	American Transmission	Waukesha	WI	Х	Х	Х	Х	Х	Х	Х
VM	Sharma, Devki	Entergy	Halifax	NS	Х	Х	Х	Х	Χ		Χ
VM	Shinde, Sushil	Hitachi ABB Power Grids	Mt Pleasant	PA	Х	Х					
VM	Sippel, Kevin	Eaton Electric	Burlington	KY	Х	Х	Х		Χ	Х	Х
VM	Skidmore, Michael	AEP	Pickerington	ОН		Х	Х	Х	Х	Х	Х
VM	Soulard, Francois	Hydro-Quebec	Montreal	QC	Х	Х	Х	Χ		Χ	Χ
VM	Tailor, Chand	Eaton Corporation	Greenwood	SC	Х	Х	Х	Х			
VM	Trost, Karla	G&W Electric	Bolingbrook	IL	Х	Х	Х	Χ		Χ	Χ
VM	Uzelac, Nenad	G&W Electric	Bolingbrook	IL	Х	Х	Х	Х	Х		Х
VM	Wactor, Michael	Powell Industries, Inc	Houston	TX	Х	Х	Х	Х	Х	Х	Х
VM	Ward, Jeff	Doble Engineering Comp		MA	Х	Х	Х	Х		Х	
VM	Wenzel, James	Eaton	Pewaukee	WI	Х	Х	Х		Х	Х	
VM	Wilkie, Eddie	Eaton	Arden	NC	Х		Х	Х		Х	Х
VM	Woodyard, Terry	Siemens Industry Inc.	Wendell	NC	Х	Х	X	Х		Х	Х
VM	Worthington, Charles	Hubbell Power Systems	Leeds	AL			Х	Х	Х	Х	Х
VM	York, Richard	Mitsubishi Electric Powe		PA	Х	Х	Х	Х		Х	Х
VM	Zhang, Wei	Hitachi T&D Solutions, Ir		GA	X	X	X	Х	Х		
НМ	Alexander, Roy	RWA Engineering	Cranberry Twp.	PA	Х			Х			
НМ	DeCesaro, Frank	DeCesaro Consulting Ser		WI	X	Х	Х	X	Х	Х	Х
НМ	Dullni, Edgar	retired	Ratingen	Other		X	X	X		-,.	- 1
НМ	Falkingham, Leslie	Vacuum Interrupters Lin		Other				Х			Х
НМ	Leach, John	Consultant	Hickory	NC	Х	Χ	Χ	X	Х	Х	X
НМ	Long, Russell	Retired	Pittsburgh	PA	X			X	• • • • • • • • • • • • • • • • • • • •		, ,
НМ	Mitchell, Dave	Mitch and Associates	Henrico	VA	Х			Х	Х	Х	Х
НМ	Reigart, Carl	CDR Technical Services,		AL	X	Х	Х	X	X		X
НМ	Smith, Robert	Retired	Ithaca	NY	X	X	X	Х		Х	
NVM	Angelis, John	Consultant	Los Lunas	NM		X		•••			
NVM	Arlund, Joshua	MacLean Power Systems		SC		X					
NVM	Armstrong, Brad	Meramec Instrument Tr		MO		X					
NVM	Atere, Suraj	Exelon	Mays Landing	NJ				Х			
NVM	Ayers, Roy	Nashville Electric Service	, ,	TN		Х	X	- , .			
NVM	Becker, George	POWER Engineers Inc.	Clover	SC				Х	Х	Х	Х
NVM	Beseda, David	S&C Electric Co.	Chicago	IL		Х	Х	X	X	X	, ,
NVM	Billings, John	retired	Murrysville	PA				Х			
NVM	Bonner, Antone	PAS Consulting	Oconomowoc	WI	Х	Х	Х				
NVM	Burns, Robert	Eaton	Arden	NC				Х	Х	Х	Х
NVM	Cary, Stephen	Eaton	Mebane	NC	Х		Х	X	X	,,	X
NVM	Christian, Michael	ABB	Elon	NC				X	X	Х	X
NVM	Claxton, Matthew	Powell Industries	Frankfort	IL			Х	,,		-,	
NVM	Cooper, Jeramie	Eaton	Pewaukee	WI	Х	Х					Х
NVM	Creach, Randall	AZZ Switchgear Systems		MO	X	X	Х	Х	Х	Х	X
NVM	Davies, Stacey	Siemens	Brookfield	WI				X	X	-,	X
NVM	Delfino, Daniel	ABB	Bloomfield	CT		Х	Х	X	•		- 1
NVM	Di Michele, Federico	CESI S.p.A.	Milano	Other	Х	X	X	X			Х
NVM	Door, Jeffrey	The H-J Family of Compa		MO	X	X	X				X
NVM	Eftink, Emily	Burns & McDonnell	Kansas City	MO		X	,				
NVM	Ekpoudom, Assian	Southern States LLC	Hampton	GA			Х	Х	Х		
NVM	Fender, Karl	Southern States LLC	Fayetteville	GA			X				
NVM	Fentress, Philip	Memphis Light, Gas & W	•	TN		Х					
NVM	Frazier, Raymond	Ameren	St. Louis	MO	Х	X	Х				
NVM	French, Christopher	Eaton Corporation	Greenwood	SC	X	X	X	Х	Х		Х
INNIN	r rendi, Christopher	Laton Corporation	GIECHWOOU	JC	^	^	^	^	^		^

Role	Full Name	Company	City	State	S20	F20	S21	F21	S22	F22	S23
NVM	Frye, Richard	Eaton	Franksville	WI		Х					
NVM	Gamboa, Jose	The H-J Family of Compa	High Ridge	MO			Х				
NVM	Gerzeny, Brian	Powell Electrical Systems		ОН		Х					Χ
NVM	Glinsky, Ilya	Southern California Edisc	westminster	CA	Х			Χ			Х
NVM	Hall, John	Tennessee Valley Author	Chattanooga	TN	Х	Х	Х				
NVM	Hanna, Robert	ABB INC	Enterprise	FL				Х	Х	Χ	
NVM	Hastreiter, Christopher	Eaton	South Milwaukee	WI	Х	Х	Х	Χ	Х	Χ	
NVM	Hoover, RE	Trayer Engineering	San Leandro	CA				Χ			
NVM	Huang, Shao Fang	AEP	NM Albany	ОН				Χ			
NVM	Jain, Rahul	S&C Electric Company	Chicago	IL	Х	Х	Х	Х			
NVM	Jasinski, Joseph	ITC Holdings Corp.	Novi	MI				Χ			
NVM	Johnson, David	HVCB	TEMECULA	CA	Х		Х	Χ			
NVM	Karandikar, Harshavardh	ABB Inc.	Lake Mary	FL				Χ			
NVM	Kelly, John	Beureau Of Reclamation		СО	Х			Х			
NVM	Kinner, Robert	FirstPower Group LLC	Twinsburg	ОН			Χ				
NVM	Kurinko, Carl	ABB Inc.	North Huntingdo	PA	Х	Х	Х			Χ	Х
NVM	Lagree, James	Eaton	Mckees Rocks	PA			Х	Χ			
NVM	Leccia, Brad	Eaton	Moon Township	PA		Х		Χ	Х		Х
NVM	Leufkens, Paul	Power Projects Leufkens		PA	Х	Χ	Х	Χ			
NVM	Lopez, Leo	WIKA Instrument, LP	Lawrenceville	GA		Х	Х		Х	Х	
NVM	Lovins, Colby	Federal Pacific	Bristol	VA				Χ	Х		Χ
NVM	Luevano, Patrick	El Paso Electric Company	El Paso	TX		Χ					
NVM	Martinez, Abraham	ABB	San Luis Potosi	Other			Х				
NVM	Marzec, Peter	S&C Electric Co.	Chicago	IL				Х			
NVM	May, Steven	Southern Company	Forest Park	GA		Χ	Χ	Χ		Χ	Χ
NVM	McGlown, Kevin	JST Power Equipment	Lake Mary	FL				Х	Х	Х	Х
NVM	Miller, Michael	MDF Cable Bus Systems	Hebron	KY				Χ			
NVM	Milnikel, Henning	Siemens	Frankfurt	Other			Х	Х			
NVM	Moran, Ashley	IEEE Standards Association	Piscataway	NJ	Х			Χ			
NVM	Novak, Pavel	Schneider Electric	Regensburg	Other		Χ					
NVM	Pattison, Mark	H-J Family of Companies		ON			Х				Х
NVM	Pawar, Rahul	ABB	Lake Mary	FL				Х			
NVM	Peterson, Andrew	ABB	Sanford	FL		Χ	Х				
NVM	Polchinski, Craig	MEPPI	Warrendale	PA	Х	Х	Х				
NVM	Polk, Matthew	JST Power Equipment	Lake Mary	FL				Χ			
NVM	Pruitt, Al	The Durham Company	Lebanon	МО		Χ	Х		Х		Х
NVM	Rakus, Paul	Eaton	Coraopolis	PA	Х	Χ	Х	Χ		Χ	
NVM	Roberson, Mark	AZZ/Calvert	Richland	MS	Х	Х		Х	Х		Х
NVM	Rohr, Richard	Powell Electrical Systems	North Canton	ОН	Х	Χ		Χ			
NVM	Rostron, Joe	Southern States LLC	Hampton	GA				Χ			
NVM	Santos, Leonel	Schneider Electric	Smyrna	TN	Х	Χ	Х		Χ	Χ	Х
NVM	Sauve, Todd	Rockwell Automation	Milwaukee	WI				Χ			
NVM	Savulyak, Victor	DNV GL KEMA Laborator	Chalfont	PA	Х	Х	Х		Χ	Χ	Х
NVM	Scott, Jeff	Ameren	Desloge	МО		Χ					
NVM	Sergeyenko, Oleksandr	Tavrida electric North an	Surrey	ВС			Х				
NVM	Sims, Garett	Eaton Corp.	Greenwood	SC	Х	Χ	Х	Х	Х	Х	Х
NVM	Slattery, Christopher	FirstEnergy	Fairlawn	ОН	Х	Х	Х	Χ			Х
NVM	Smith, Joseph	FortisAlberta	Airdrie	AB		Х		Х			
NVM	Thomas, Christo	SCHNEIDER ELECTRIC US		IA			Х	Х	Х	Х	
NVM	Trichon, Francois	Schneider Electric	Saint martin d'ur		Х	Х		Х	X	X	
NVM	Usner, Joseph	American Electric Power		ОН		Χ					
NVM	Valiyattil, Babu	ABB Inc	Lake mary	FL				X			
NVM	van de Ligt, James	Spark Power Corp.	Calgary	AB			Х	X			
NVM	Voyles, Adam	Ameren	St. Louis	MO			X				
NVM	Walter, William	We-Energies	Waukesha	WI	Χ	Х	X				
NVM	Weishuhn, William	ABB	Monument	СО				Х	Х		Х
NVM	Westerdale, Matt	Bureau of Reclamation	Denver	СО	Χ	Χ	Χ	X			X
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NVM Young, Marcus Mitsubishi Electric Power Knoxville TN X X X X X NVM Young, Marcus Eaton Corporation Omaha NE X X X NVM Zhu, Xi GE Energy Management Atlanta GA X X NVM Zhu, Xi GE Energy Management Atlanta GA X X NVM Zia, Danish UL LLC Melville NY X X X NVM Anderson, Tim Aluma-Form Munford TN NVM Anderson, Tim Aluma-Form Munford TN NVM Anderson, Southern States Fayetteville GA NVM Ashtekar, Koustubh JST POWER EQUIPMENT Lake Mary FL NVM Bannink, Herman G&W Electric Zelhem Gelderland NVM Bantels, Alexander Powell Electrical System: Houston TX NVM Beckel, Andrew Xcel Energy - Minneapoli Lakeville MN NVM Behl, Robert JST POWER EQUIPMENT Lake Mary FL NVM Benner, Brian Power Grid Components Bessemer AL NVM Bolar, Sanket Oncor Electric Delivery Fort Worth TX NVM Bosma, Anne Hitachi Energy Ludvika Other X X X NVM Bridges, Christopher Eaton Saluda SC NVM Brogdon, Jeffrey Georgia Transmission Co Tucker GA NVM Brogdon, Jeffrey Georgia Transmission Co Tucker GA NVM Brogdon, Jeffrey Georgia Transmission Co Tucker GA NVM Bryant, Craig Duke Energy Cincinnati OH NVM Bryant, Craig Duke Energy Greensboro NC NVM Bryeddy, Sudarshan Burns & McDonnell Fortworth TX NVM Carollo, Cassandra IEEE Piscataway NJ NVM Carollo, Cassandra IEEE Piscataway NJ NVM Coldsnow, Kent Fort Collins Utilities Fort Collins CO NVM Collette, Dave Mitsubishi Electric Warrendale PA NVM Coziuc, Fiori S&C Electric Company Quebec Québec NVM Dhawan, Anil Allegis Woodridge IL NVM Dhawan, Anil Allegis Woodridge IL NVM Donne, David Schneider Electric Cedar Rapids IA X X X NVM Eastman, Maxwell Black & Veatch Olathe KS NVM Fitzgerald, Joseph Black & Veatch Olathe KS NVM Fitzgerald, Joseph Eaton Milwaukee WI NVM Fleming, Brennen Hubbell Power Systems Leeds AL NVM Fleming, Brennen Hubbell Power Systems Leeds AL NVM Foster, Marc	22 F22	S23
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NM Fitzgerald, Joseph Eaton Milwaukee WI NM Fleming, Brennen Hubbell Power Systems Leeds AL NM Foster, Marc Schneider Electric Raleigh NC		
NM Fleming, Brennen Hubbell Power Systems Leeds AL NM Foster, Marc Schneider Electric Raleigh NC		Χ
NM Foster, Marc Schneider Electric Raleigh NC		Χ
		Χ
		Χ
NM Gill, Juan Southern States Llc Hampton GA		Χ
NM Hardy, Erin Eaton Asheville NC	Χ	Χ
NM Hartzel, Ron Eaton Butler PA		Χ
NM Hastreiter, Chris Eaton South Milwaukee WI		Χ
NM Houston, James Southern Company Tran: Birmingham AL X		
NM Hunt, Terry Westinghouse Pittsburgh PA		Χ
NM Kandel, Jackie Powell Industries, Inc. Dover OH	Χ	Χ
NM Kim, Yun Seong KERI Changwon-Si Korea		Χ
NM Krause, Dwight Black & Veatch Rapid City SD		Χ
NM Lee, Yong Woo Korea Electrotechnology Changwon-Si Korea		Χ
NM Leopard, Johnathan Eaton Greenwood SC		Χ
NM Lopez, Adrian Powell Industries Houston TX		Χ
NM Lustig, Josh Black & Veatch Morrisville NC		Χ
NM Mapp, Peter GE Dorval Québec		Χ
NM Mckinney, Kenneth Underwriters Laboratori Raleigh NC		Χ
NM Neujahr, Jonathan Eaton Corporation Eagle WI		Χ
NM Ordein, Fernando Dominion Energy Glen Allen VA		Χ
NM Orosz, Miklos Circuit Breaker Technolo Murfreesboro TN		Χ
NM Pal, Sumitabha Schneider Electric Smyrna TN	Х	Х
NM Patil, Lalit Eaton Corporation Greenwood SC		Χ
NM Pelaez Urrego, Santiago ABB Winterville NC		Χ
NM Pell, Stephen Siemens Industry Inc. Wendell NC		Х
NM Pellerito, Thomas DTE Energy Detroit MI X X X	Х	
NM Peterson, Mark Xcel Energy Minneapolis MN		Χ
NM Phouminh, John PEPCO HOLDINGS, INC. WASHINGTON DC X X		

Role	Full Name	Company	City	State	S20	F20	S21	F21	S22	F22	S23
NM	Pounders, Anthony	Meiden America Switch	ig Greenwood	SC							Χ
NM	Rexroad, Aaron	Meiden America Switch	ıg Mauldin	SC							Χ
NM	Ricker, Jeffery	SCHNEIDER ELECTRIC	Old Hickory	TN					Χ		Χ
NM	Roberts, Brian	Southern States	Hampton	GA							Χ
NM	Saleem, Wahaj	Siemens	Grand Prairie	TX							Χ
NM	Salinas, Alex	Doble/Vanguard	Ontario	CA							Χ
NM	Santulli, Jennifer	IEEE-SA	Piscataway	NJ					Χ		Χ
NM	Sax, Ben	Nashville Electric Servic	e Nashville	TN							Χ
NM	Schuetz, Rob	EATON	Waukesha	WI							Χ
NM	Shiller, Paul	First Power Group LLC	Youngstown	ОН					Χ		Χ
NM	Tatum, Bryan	Underwriters Laborator	ri Cary	NC							Χ
NM	Thompson, Truett	Siemens	Wendell	NC					Χ		Χ
NM	Truman, Andrew	Black & Veatch	Overland Park	KS							Χ
NM	Valdes, Marcelo	ABB	Chapel Hill	NC							Χ
NM	Walgenbach, Jacob	Siemens	Wendell	NC					Χ		Χ
NM	Ward, Jeff	Doble Engineering Com	p Billerica	MA							Χ
NM	Ward, Randall	Aluma-Form	Germantown	TN							Χ
NM	Wear, Jonathan	JST Power Equipment, I	n Jefferson City	MO					Χ		Χ
NM	Weisker, Jan	Siemens Energy	Berlin	Berlin					Χ		Χ
NM	Yarbrough, Elijah	Hubbell Power Systems	Leeds	AL							Χ
NM	Zaharko, Samuel	MEPPI	Warrendale	PA							Χ
Total											163
75	Voting Members										57
4	Present Past & Immed	liate Past Chairs									4
5	Present Honorary Me	mbers									5
84	Qualified Attendees							Atten	dees Pr	esent:	66
								_			

Quorum Calculation: 78%