

**IEEE PES SWITCHGEAR COMMITTEE
MAIN COMMITTEE BUSINESS MEETING MINUTES
Thursday, April 4, 2024
10:00 am – 12:00 PM (EDT/UTC-4)**

Item	Description	Presenter
1	Call Meeting to Order <i>Call to order at 10:00 am.</i>	Doug Edwards – Chair
2	Introduction of Members and Guest <i>Chair's Comments with respect to stating 'Affiliation' during all IEEE standards development meetings:</i> <i>As a reminder, participants in the IEEE-SA 'individual process' shall act independently of others, including employers. As a result, we all represent ourselves. I would highlight the IEEE Mission statement of, "to foster technological innovation and excellence for the benefit of humanity."</i> <i>Please, therefore, state your employer, if any, followed by your affiliation. For me that would be Doug Edwards, employed by, and affiliated with Siemens Industry Inc. Please don't just say your name followed by your employer, please don't say your name and then 'with' or 'from' followed by your employer's name.</i> <i>If your afflation is yourself, that is no other individual or entity is sponsoring your patriation, then please say that you are "affiliated with yourself." Please don't say you are representing yourself as we are all doing that.</i> <i>Finally, if I recognize you to speak, if you have not already disclosed your affiliation then please state your name, then disclose your employer and affiliation as I have just described. If, however, you have already disclosed your affiliation, but still wish to introduce yourself again before speaking, only state your name as this is sufficient.</i> <i>Please do NOT say your name then your employer before speaking as this is NOT appropriate when participating in the IEEE-SA 'individual process' where you shall act independently of others, including employers.</i>	John Webb - Secretary
3	Attendance and Quorum Check <i>Quorum Check – preliminary count indicates more than 50% of voting members, honorary members and past chairs present; a quorum is therefore present and will be confirmed when attendance sheets are collected.</i>	John Webb
4	Agenda Review and Approval <i>Any additions?</i> <i>Mike Lafond motion to approve, Dave Mitchel, 2nd – approved by acclamation</i>	Doug Edwards
5	Approval of Fall 2023 Meeting Minutes <i>Motions to approve: Mike Lafond, 2nd: Bob Cohn — Motion is approved by acclamation</i>	Doug Edwards
6	Thank You to Our Spring 2024 Supporters!!!!	
7	Chairman's Report <i>Statement of thanks.</i> <i>I am genuinely so impressed with the dedication to various task. Obviously,</i> <ul style="list-style-type: none">- Revisions of standards- I received plenty of improvement ideas. This is appreciated.- Great pleasure seeing everyone enjoy themselves.	Doug Edwards
8	Switchgear Committee Financial Report <i>No audit announced yet, expect will be an internal audit by IEEE SA.</i>	John Webb - Treasurer
9	Standards Coordinator's Report <i>Initial meeting of Standards Planning Meeting Sunday night for work to complete this week.</i> <i>At high level there is a significant amount of work necessary.</i> <i>18 PARS / Standards expiring in 2024</i> <i>16 PARS / Standards expiring in 2025. However, work is proceeding.</i> <i>Next NESCOM & REVCOM meeting submission dates are 26 April, 18 August, 17 September, 21 October</i>	Keith Flowers
10	Technical Committee Program Coordinator (TCPC) <i>One (1) paper submitted and approved for GM in Seattle, WA</i>	Tony Ricciuti

**IEEE PES SWITCHGEAR COMMITTEE
MAIN COMMITTEE BUSINESS MEETING MINUTES
Thursday, April 4, 2024
10:00 am – 12:00 PM (EDT/UTC-4)**

Item	Description	Presenter
11	Registrar's Report	Jeremy Hensberger
	<i>347 attendees + 60 guests and companions. 40 1st time attendees; 109 Tuesday lunch, 220 for Social event. Affiliations by exception: Dave Mitchell (Southern States), Daniel Hook (NETA)</i>	
<u>Subcommittee Reports</u>		
12	Administrative (ADSCOM)	Donnie Swing
	<i>C37.100.1 – Approved to go to ballot New PAR for C37.30x – Guide for Partial Discharge Field Measurement – Adrian Lopez (Chair), Henning Milnikel (Secretary) Jack Harley to act as interim Fellows Coordinator</i>	
13	Education, Recognition & Publications (ERP)	Nenad Uzelac
	<i>Call for presentations & panel sessions for Fall Meeting on Wednesday Oct. 16th. - Proposal submission 15 May - Proposal acceptance 15 July Recognize Switchgear Committee's Past Chair Paul Sullivan. Paul was awarded the Industry Applications Society (IAS) Outstanding Service Award. Published Standards C37.20.3 – Awards presented C37.30.6 – Awards presented C37.68 – Awards presented C37.100.7 – Certificates to be mailed to participants Sixteen New Main Committee Members welcomed: Mauricio Aristizabal, George Becker, Michael Christian, Lucas Collette, Mike Crawford, Randy Creach, Jason Cunningham, Steven May, Laura Reid, Mark Roberson, Garrett Sims, Christo Thomas, Francois Trichon, Eddie Wilkie, Charles Worthington, and Danish Zia Standards Medallion Award – Dean Sigmon Standards Medallion Award – Karla Trost</i>	
14	High Voltage Circuit Breakers (HVCB)	Carl Schuetz
	<i>Two (2) documents to ballot: C37.04a and C37.09a. Subcommittee will have online meetings to finalize plans for revision of standards as needed to renew ANSI Accreditation.</i>	
15	High Voltage Fuses (HVF)	Sterlin Cochran
	<i>One document will require revision for ANSI Accreditation</i>	
16	High Voltage Switches (HVS)	Jacob Blake
	<i>Going to ballot on C37.30.3, C37.30.4. Will coordinate future work with C37.100.2 and C7.30.5.</i>	
17	Low Voltage Switchgear Devices (LVSD)	Jeff Mizener
	<i>Proposal for Switchgear Committee as a joint sponsor for C57.12.44 – Network protectors. – Motion passed.</i>	
18	Reclosers and Other Distribution Equipment (RODE)	Frank DeCesaro
	<i>K. Trost Reporting – C37.60/62271-111 will continue normal process. C37.66 will submit PAR for ANSI Accreditation.</i>	
19	Switchgear Assemblies (SA)	Darryl Moser
	<i>Two (2) documents seeking PAR extensions: C37.21 and C37.23. C37.20.6, C37.20.7, and C37.20.9 on schedule for completing this year. Four (4) documents will be beginning new work.</i>	
20	Technology and Innovation Subcommittee (TI)	Alex Cochran
	<i>Two (2) documents are ready for review and approval. Anticipating paper on NFPA 70E.</i>	

**IEEE PES SWITCHGEAR COMMITTEE
MAIN COMMITTEE BUSINESS MEETING MINUTES
Thursday, April 4, 2024
10:00 am – 12:00 PM (EDT/UTC-4)**

<u>Liaison Reports</u>																													
21	Accredited Standards Committee C37 <i>Report attached</i>	John Webb																											
22	Short Circuit Test Liaison of the Nations of the Americas (STLNA) <i>STLNA is now an independent incorporated entity as an LLC.</i>	Victor Savulyak																											
23	CIGRÉ <i>Anticipate publishing five (5) technical papers</i>	Nenad Uzelac																											
<u>Old Business</u>																													
24	MemberPlanet Update <i>Updates are in process concerning:</i> <ul style="list-style-type: none"> • <i>Permission issues for various administrative classifications</i> • <i>Templates are being created for the various groups, e.g. Main Committee, Subcommittees, WGs, and TF</i> • <i>After addressing current open items, MP must create training materials.</i> • <i>There is no forecast for when the MP system will become available for Committees.</i> 	Doug Edwards																											
25	Procedural Revisions <i>For the Swgr Committee governance documents review is:</i> <ul style="list-style-type: none"> - <i>The O&P – the Organization & Procedures Manual was approved 2023</i> - <i>The Committee – P&P, Policies & Procedures – Approved 2023</i> - <i>We will be submitting Working Group P&P's.</i> - <i>A new set of baseline P&P's will be rolling out from IEEE – SA. An update to our P&P's will be distributed for ballot by electronic means.</i> 	Doug Edwards																											
<u>New Business</u>																													
26	Quorum Verification <i>Total attendance was 172 individuals. 68 of 75 voting members were present, plus 3 past chairs of the switchgear committee and 4 honorary members. Qualified voters were 75 of 82 or 91%. Quorum was verified.</i>	John Webb																											
27	Leadership Opportunities <i>There will be ample opportunities for leadership and the ANSI renewal PARs should be a good initial effort.</i>	Doug Edwards																											
28	Future PES Meetings of Interest <i>The General Meeting of the IEEE Power & Energy Society will be held 21 to 25 July in Seattle, WA</i>	Doug Edwards																											
29	Future Switchgear Committee Meetings <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 20%; padding: 2px;">Fall 2024:</td> <td style="width: 30%; padding: 2px;">October 13 - 17, 2024</td> <td style="width: 50%; padding: 2px;">OMNI Hotel, Oklahoma City, OK</td> </tr> <tr> <td style="padding: 2px;">Spring 2025:</td> <td style="padding: 2px;">April 6 – 11, 2025</td> <td style="padding: 2px;">Wyndham Grand Orlando Resort Bonnet Creek, Orlando, FL</td> </tr> <tr> <td style="padding: 2px;">Fall 2025:</td> <td style="padding: 2px;">October 5 – 9, 2025</td> <td style="padding: 2px;">Peppermill Resort, Reno, NV</td> </tr> <tr> <td style="padding: 2px;">Spring 2026:</td> <td style="padding: 2px;">April 26 – 30, 2026</td> <td style="padding: 2px;">Sheraton Sand Key Resort, Clearwater Beach, FL</td> </tr> <tr> <td style="padding: 2px;">Fall 2026:</td> <td style="padding: 2px;">October 4 – 8, 2026</td> <td style="padding: 2px;">Catamaran Resort, San Diego, CA</td> </tr> <tr> <td style="padding: 2px;">Spring 2027:</td> <td style="padding: 2px;">April 3 - 8, 2027</td> <td style="padding: 2px;">Hyatt Regency, Orlando, FL</td> </tr> <tr> <td style="padding: 2px;">Fall 2027:</td> <td style="padding: 2px;">October 10 – 14, 2027</td> <td style="padding: 2px;">Alohilani Resort, Waikiki Beach, HI</td> </tr> <tr> <td style="padding: 2px;">Spring 2028:</td> <td style="padding: 2px;">April 23 - 27, 2028</td> <td style="padding: 2px;">Marriott Rivercenter, San Antonio, TX</td> </tr> <tr> <td style="padding: 2px;">Fall 2028:</td> <td style="padding: 2px;">October 8-12, 2028</td> <td style="padding: 2px;">Hyatt Regency, Columbus, OH</td> </tr> </table>	Fall 2024:	October 13 - 17, 2024	OMNI Hotel , Oklahoma City, OK	Spring 2025:	April 6 – 11, 2025	Wyndham Grand Orlando Resort Bonnet Creek , Orlando, FL	Fall 2025:	October 5 – 9, 2025	Peppermill Resort , Reno, NV	Spring 2026:	April 26 – 30, 2026	Sheraton Sand Key Resort , Clearwater Beach, FL	Fall 2026:	October 4 – 8, 2026	Catamaran Resort , San Diego, CA	Spring 2027:	April 3 - 8, 2027	Hyatt Regency , Orlando, FL	Fall 2027:	October 10 – 14, 2027	Alohilani Resort , Waikiki Beach, HI	Spring 2028:	April 23 - 27, 2028	Marriott Rivercenter , San Antonio, TX	Fall 2028:	October 8-12, 2028	Hyatt Regency , Columbus, OH	Doug Edwards
Fall 2024:	October 13 - 17, 2024	OMNI Hotel , Oklahoma City, OK																											
Spring 2025:	April 6 – 11, 2025	Wyndham Grand Orlando Resort Bonnet Creek , Orlando, FL																											
Fall 2025:	October 5 – 9, 2025	Peppermill Resort , Reno, NV																											
Spring 2026:	April 26 – 30, 2026	Sheraton Sand Key Resort , Clearwater Beach, FL																											
Fall 2026:	October 4 – 8, 2026	Catamaran Resort , San Diego, CA																											
Spring 2027:	April 3 - 8, 2027	Hyatt Regency , Orlando, FL																											
Fall 2027:	October 10 – 14, 2027	Alohilani Resort , Waikiki Beach, HI																											
Spring 2028:	April 23 - 27, 2028	Marriott Rivercenter , San Antonio, TX																											
Fall 2028:	October 8-12, 2028	Hyatt Regency , Columbus, OH																											
30	Adjourn <i>Agenda completed and meeting adjourned at 11:15</i>	Doug Edwards																											

Role	Pref Name	Company	F21	S22	F22	S23	F23	S24	Last_6
Chair	Edwards, Doug	Siemens Industry, Inc.	X	X		X	X	X	5
Vice-Chair	Swing, Donnie	Avail Switchgear Systems	X		X	X	X	X	5
Secretary	Webb, John	ABB	X	X	X	X	X	X	6
Past Chair	Flowers, Keith	Siemens Industry, Inc.	X	X	X	X	X	X	6
HM	Alexander, Roy	RWA Engineering	X						1
VM	Aristizabal, Mauricio	Hitachi ABB Power Grids	X	X		X	X	X	5
VM	Barnhart, Paul	Underwriters Laboratories	X	X	X	X	X	X	6
VM	Becker, George	POWER Engineers Inc.	X	X	X	X			4
HM	Billings, Stan	retired	X						1
VM	Blake, Jacob	Hubbell Power Systems	X	X		X	X	X	5
VM	Boles, Brett	Southern Company		X	X	X	X	X	5
VM	Borck, Chris	Eaton's Power Systems Division			X	X		X	3
VM	Boyce, Russell	Eaton	X		X	X	X	X	5
VM	Bufi, Arben	Meiden America Switchgear, Inc.	X	X	X	X		X	5
Past Chair	Burse, Ted	Powell Industries, Inc	X	X	X	X		X	5
VM	Carne, Clint	Schneider Electric	X		X		X	X	4
VM	Chen, Steven	Eaton Corporation		X	X	X		X	4
VM	Christian, Michael	ABB	X	X	X	X	X	X	6
VM	Cochran, Alex	G&W Electric			X	X	X	X	4
VM	Cochran, Sterlin	G&W Electric	X	X	X	X	X	X	6
VM	Cohn, Bob	Powercon Corp.	X		X	X	X	X	5
VM	Collette, Luke	Duquesne Light	X		X	X	X	X	5
VM	Crawford, Mike	Mitsubishi Electric	X		X	X	X	X	5
VM	Creach, Randy	Avail Switchgear Systems	X	X	X	X	X	X	6
VM	Cunningham, Jason	Southern States, LLC		X	X	X	X	X	5
VM	Darko, Kennedy	G&W Electric Co	X		X	X	X	X	5
HM	DeCesaro, Frank	DeCesaro Consulting Services	X	X	X	X	X		5
VM	Di Lillo, Pat	Consolidated Edison Co. of NY, Inc.	X		X	X	X		4
HM	Dullni, Edgar	retired	X						1
HM	Falkingham, Leslie	Vacuum Interrupters Limited	X			X			2
VM	Flores, Sergio	Schneider Electric Inc. USA	X	X	X	X	X	X	6
HM	Gohil, Dave	Avail Switchgear Systems	X		X	X	X	X	5
VM	Grahor, Lou	Eaton Corporation	X	X	X	X	X	X	6
VM	Harley, Jack	FirstPower Group LLC	X		X	X		X	4
VM	Hartzel, Ron	Eaton Corporation	X		X	X	X	X	5
VM	Hawkins, Tom	Siemens Industry, Inc.	X	X	X		X	X	5
VM	Haynes, Gary	ABB Inc.	X	X	X	X	X	X	6
VM	Hensberger, Jeremy	Mitsubishi Electric Power Products	X	X	X	X	X	X	6
VM	Hermosillo, Victor	GE Grid Solutions	X		X		X	X	4
VM	Hines, Jared	Eaton Corp.	X	X	X	X	X	X	6
VM	Hoss, Danny	Southern States	X	X		X	X	X	5
VM	Hrncir, Dan	Eaton	X	X	X	X	X	X	6
VM	Hunter, Jen	MEPPI	X		X	X	X	X	5
VM	Hurst, Bill	GE		X		X		X	3
VM	Hutchins, Neil	Georgia Power Company	X		X				2
Past Chair	Irwin, Todd	GE Grid Solutions	X	X		X	X	X	5
VM	Jarnigan, Chris	Southern Company Services	X		X	X	X	X	5

Role	Pref Name	Company	F21	S22	F22	S23	F23	S24	Last_6
VM	Johnson, Travis	Xcel Energy	X	X	X	X			4
VM	Kaminski, John	Siemens	X	X	X	X		X	5
VM	Keels, Andy	kEElectric Engineering, PLLC	X				X	X	3
VM	Lafond, Mike	UL Solutions	X			X	X	X	4
HM	Leach, John	Consultant	X	X	X	X		X	5
VM	Livshitz, Albert	Qualus Services	X	X	X		X	X	5
HM	Long, Bill	Retired	X						1
VM	Martin, Don	G&W Electric Co.	X		X				2
VM	May, Steve	Southern Company	X		X	X	X	X	5
VM	McCord, Neil	KEC Precision	X	X	X	X	X	X	6
HM	Mitchell, Dave	Mitch and Associates	X	X	X	X	X	X	6
VM	Mizener, Jeff	Siemens Industry, Inc.	X	X	X	X	X	X	6
VM	Moser, Darryl	ABB	X	X	X	X	X	X	6
VM	Neighbours, Terry	ABB Inc.	X	X	X	X		X	5
VM	Parks, Owen	ABB	X	X	X	X	X	X	6
VM	Reid, Laura	Hubbell Power Systems	X	X		X	X	X	5
HM	Reigart, Carl	CDR Technical Services, LLC	X	X		X			3
VM	Ricciuti, Tony	Eaton Corporation	X		X	X	X	X	5
VM	Riley, Caryn	Georgia Tech/NEETRAC	X	X	X	X	X	X	6
VM	Roberson, Mark	Avail Bus Systems	X	X		X	X	X	5
VM	Rokser, Ian	Eaton Corp	X	X	X	X	X	X	6
VM	Schiffbauer, Dan	Toshiba International Corporation			X	X	X	X	4
VM	Schneider, Carl	Schneider Electric	X	X	X		X	X	5
VM	Schuetz, Carl	American Transmission Company (A	X	X	X	X	X	X	6
VM	Sharma, Devki	Entergy	X	X		X		X	4
Past Chair	Sigmon, Dean	Eaton Corporation	X	X		X			3
VM	Sims, Garrett	Eaton Corp.	X	X	X	X	X	X	6
VM	Sippel, Kevin	Eaton Electric		X	X	X	X	X	5
VM	Skidmore, Mike	AEP	X		X	X		X	4
HM	Smith, Kirk	Retired	X		X		X	X	4
VM	Soulard, Francois	Hydro-Quebec	X		X	X		X	4
VM	Thomas, Christo	SCHNEIDER ELECTRIC USA INC	X	X	X		X	X	5
VM	Trichon, Francois	Schneider Electric	X	X	X		X	X	5
VM	Trost, Karla	G&W Electric	X		X	X	X	X	5
VM	Uzelac, Nenad	G&W Electric	X	X		X	X	X	5
VM	Wactor, Michael	Powell Industries, Inc	X	X	X	X			4
VM	Ward, Jeff	Doble Engineering Company	X		X	X	X	X	5
VM	Wenzel, Jim	Eaton			X		X	X	3
VM	Wilkie, Eddie	Eaton	X		X	X	X	X	5
VM	Woodyard, Terry	Siemens Industry Inc.	X		X	X	X	X	5
VM	Worthington, Chuck	Hubbell Power Systems	X	X	X	X	X		5
VM	York, Rich	Mitsubishi Electric Power Products	X	X	X	X	X	X	6
VM	Zia, Danish	UL LLC	X	X	X	X	X	X	6
Past Chair	Sullivan, Paul	DuPont	X	X					2
NVM	Anderson, Tim	Aluma-Form				X			1
NVM	Andreyo, Joseph	Southern States				X	X	X	3
NVM	Antantis, Michelle	Duquesne Light						X	1

Role	Pref Name	Company	F21	S22	F22	S23	F23	S24	Last_6
NVM	Ashtekar, Koustubh	JST POWER EQUIPMENT		X		X	X		3
NVM	Atere, Suraj	Exelon	X						1
NVM	Bannink, Harm	G&W Electric				X			1
NVM	Bartels, Alexander	Powell Electrical Systems				X		X	2
NVM	Beauchemin, Francis	Hydro-Quebec						X	1
NVM	Beckel, Andrew	Xcel Energy - Minneapolis MN				X		X	2
NVM	Behl, Bob	JST POWER EQUIPMENT INC				X		X	2
NVM	Berner, Brian	Power Grid Components				X			1
NVM	Beseda, David	S&C Electric Co.	X	X	X			X	4
NVM	Biradar, Siddangoud	Eaton Corporation						X	1
NVM	Bolar, Sanket	Oncor Electric Delivery				X			1
NVM	Bosma, Anne	Hitachi Energy	X						1
NVM	Botelho, Marcos	IEC Germany / Siemens AG						X	1
NVM	Bridges, Christopher	Eaton				X	X	X	3
NVM	Brogdon, Jeff	Georgia Transmission Corporation				X		X	2
NVM	Bronsveld, Arjan	Hitachi Energy Sweden						X	1
NVM	Brooks, Adam	Duke Energy				X			1
NVM	Bryant, Craig	Duke Energy				X			1
NVM	Burns, Robert	Eaton	X	X	X	X	X	X	6
NVM	Byreddy, Sudarshan	Burns & McDonnell				X			1
NVM	Carollo, Cassandra	IEEE				X			1
NVM	Cary, Stephen	Eaton	X	X		X			3
NVM	Caverly, Dave	Trench Ltd.	X						1
NVM	Chiravuri, Anand	Black & Veatch				X			1
NVM	Coldsnow, Kent	Fort Collins Utilities				X	X		2
NVM	Collette, Dave	Mitsubishi Electric				X		X	2
NVM	Contreras, Ivan	ABB					X		1
NVM	Cooper, Jeramie	Eaton				X		X	2
NVM	Coziuc, Fiori	S&C Electric Company				X	X		2
NVM	Cummings, Katherine	G&W Electric					X		1
NVM	Cuppett, Matthew	Hitachi Energy USA Inc						X	1
NVM	Dart, David	NOJAPower						X	1
NVM	Davies, Stacey	Siemens	X	X		X	X	X	5
NVM	Delfino, Dan	ABB	X						1
NVM	Dhawan, Anil	Allegis				X			1
NVM	Di Michele, Federico	CESI S.p.A.	X			X	X		3
NVM	Diallo, Boubacar	SOUTHERN STATES LLC		X		X	X		3
NVM	Diaz, Lissy	FPL						X	1
NVM	Door, Jeff	The H-J Family of Companies				X			1
NVM	Doroz, Arkadiusz	Eaton				X	X		2
NVM	Dunne, Dave	Schneider Electric	X						1
NVM	Eastman, Maxwell	Black & Veatch				X		X	2
NVM	Ekpoudom, Assian	Southern States LLC	X	X				X	3
NVM	Fernandes, Andrew	Trayer Engineering Corp						X	1
NVM	Fitzgerald, Joseph	Eaton				X			1
NVM	Fleming, Brennen	Hubbell Power Systems				X	X		2
NVM	Foster, Marc	Schneider Electric				X			1

Role	Pref Name	Company	F21	S22	F22	S23	F23	S24	Last_6
NVM	French, Chris	Eaton Corporation	X	X		X		X	4
NVM	Gerzeny, Brian	Powell Electrical Systems Inc				X	X	X	3
NVM	Gill, Juan	Southern States Llc				X		X	2
NVM	Gingrich, Paul	Avail Switchgear Systems	X	X					2
NVM	Glaesman, Peter	PCORE Electric Company, Inc.						X	1
NVM	Glinsky, Ilya	Southern California Edison	X			X		X	3
NVM	Guidry, Sean	OMICRON Electronics					X		1
NVM	Hanna, Robert	JST	X	X	X		X	X	5
NVM	Hardy, Erin	Eaton		X		X	X	X	4
NVM	Hartmann, Oliver	Siemens						X	1
NVM	Hastreiter, Chris	Eaton	X	X	X		X	X	5
NVM	Heiny, Mark	ABB Inc						X	1
NVM	Herring, Ricky	Siemens					X		1
NVM	Holp, Tyler	Eaton Corporation						X	1
NVM	Hoover, Alex	Trayer Engineering	X						1
NVM	Huang, Shao Fang	AEP	X						1
NVM	Hunt, Terry	Westinghouse				X	X	X	3
NVM	Jaggernaut, Sudesh	Florida Power & Light						X	1
NVM	Jain, Rahul	S&C Electric Company	X						1
NVM	Jasinski, Joe	ITC Holdings Corp.	X						1
NVM	Jensen, Darin	Southern States					X		1
NVM	Kandel, Jackie	Powell Industries, Inc.		X		X	X	X	4
NVM	Karandikar, Harsh	ABB Inc.	X						1
NVM	Kelly, John	Beureau Of Reclamation	X						1
NVM	Kim, Yunseong	KERI				X			1
NVM	Krause, Dwight	Black & Veatch				X		X	2
NVM	Kurinko, Carl	Hitachi			X	X	X	X	4
NVM	Lagree, Jim	Eaton	X						1
NVM	Le Roux, Robert	Cigre					X		1
NVM	Leccia, Brad	Eaton	X	X		X		X	4
NVM	Lee, Yongwoo	Korea Electrotechnology Research Institu				X			1
NVM	Leopard, Johnathan	Eaton				X	X	X	3
NVM	Leufkens, Paul	Power Projects Leufkens	X						1
NVM	Liu, Hua	Southern California Edison	X						1
NVM	Lopez, Adrian	Powell Industries				X			1
NVM	Lopez, Leo	WIKA Instrument, LP		X	X		X	X	4
NVM	Lovins, Colby	Federal Pacific	X	X		X	X	X	5
NVM	Lustig, Josh	Black & Veatch				X			1
NVM	Ma, Chunming	Burns & McDonnell						X	1
NVM	Mapp, Peter	GE				X		X	2
NVM	Marzec, Pete	S&C Electric Co.	X					X	2
NVM	Masterson, Paul	Meiden America						X	1
NVM	McGlown, Kevin	JST Power Equipment	X	X	X	X	X	X	6
NVM	Mckinney, Ken	Underwriters Laboratories				X	X		2
NVM	Meekins, Gary	Southern States					X		1
NVM	Metcalfe, Joshua	Mersen						X	1
NVM	Micic, Stefan	G&W Electric Company						X	1

Role	Pref Name	Company	F21	S22	F22	S23	F23	S24	Last_6
NVM	Mihretu, Feven	PG&E					X		1
NVM	Miller, Michael	MDF Cable Bus Systems LLC	X						1
NVM	Milnikel, Henning	Siemens	X					X	2
NVM	Miranda Garcia, Sergio	ABB						X	1
NVM	Moran, Ashley	IEEE Standards Association (IEEE-SA)	X						1
NVM	Myers, Tad	Salt River Project						X	1
NVM	Neujahr, Jonathan	Eaton Corporation				X		X	2
NVM	Ordein, Fernando	Dominion Energy				X	X	X	3
NVM	Orosz, Mike	Circuit Breaker Technology & Support LLC				X	X	X	3
NVM	Pal, Sumitabha	Schneider Electric		X		X		X	3
NVM	Panos, Elias	PG&E					X		1
NVM	Patil, Lalit	Eaton Corporation				X	X	X	3
NVM	Pattison, Mark	H-J Family of Companies				X			1
NVM	Pawar, Rahul	ABB	X						1
NVM	Pedreras Ratmiroff, Javier	General Electric						X	1
NVM	Pelaez Urrego, Santiago	ABB				X			1
NVM	Pell, Stephen	Siemens Industry Inc.				X			1
NVM	Pellerito, Thomas	DTE Energy		X					1
NVM	Peterson, Mark	Xcel Energy				X	X	X	3
NVM	Polchinski, Craig	MEPPI					X		1
NVM	Polk, Matt	JST Power Equipment	X						1
NVM	Pounders, Anthony	Meiden America Switchgear				X	X	X	3
NVM	Pruitt, Al	The Durham Company		X		X		X	3
NVM	Rakus, Paul	Eaton	X		X		X	X	4
NVM	Rebovich, Justin	GE Vernova						X	1
NVM	Rexroad, Aaron	Meiden America Switchgear inc.				X	X	X	3
NVM	Ricker, Jeffery	SCHNEIDER ELECTRIC		X		X		X	3
NVM	Rivera Morales, Daniel	Hydro-Quebec						X	1
NVM	Roberts, Brian	Southern States				X			1
NVM	Rohr, Richard	Powell Electrical Systems	X						1
NVM	Rohrer, Tim	Exiscan						X	1
NVM	Rostron, Joe	Southern States LLC	X						1
NVM	Rowell, Amy	Schneider Electric					X		1
NVM	Sakarapanee, Kathryn	Schneider Electric						X	1
NVM	Saleem, Wahaj	Siemens				X		X	2
NVM	Salinas, Alex	Doble/Vanguard				X			1
NVM	Santos, Leonel	Schneider Electric		X	X	X	X	X	5
NVM	Santulli, Jennifer	IEEE-SA		X		X	X	X	4
NVM	Sauve, Todd	Rockwell Automation	X						1
NVM	Savulyak, Victor	KEMA Laboratory		X	X	X	X	X	5
NVM	Sax, Ben	Nashville Electric Service				X		X	2
NVM	Schuetz, Rob	EATON				X			1
NVM	Shiller, Paul	First Power Group LLC		X		X			2
NVM	Shirode, Aniket	ABB						X	1
NVM	Shocket, Abraham	ABB					X		1
NVM	Sigmon, Hall	Siemens Industry, Inc.					X		1
NVM	Singh, Manpreet	Southern States LLC					X		1

Role	Pref Name	Company	F21	S22	F22	S23	F23	S24	Last_6
NVM	Slattery, Chris	FirstEnergy	X			X	X		3
NVM	Smith, Noel	FortisAlberta	X						1
NVM	Solanki, Lokeshkumar	ABB						X	1
NVM	Sullivan, Dustin	Hubbell Power Systems, Inc.					X		1
NVM	Tailor, Chand	Eaton Corporation	X						1
NVM	Tama Guerra, Valeria	JST Power Equipment Inc.						X	1
NVM	Tatum, Bryan	Underwriters Laboratories				X	X	X	3
NVM	Terry, Timothy	Meiden America						X	1
NVM	Thompson, Truett	Siemens		X		X			2
NVM	Tong, Lin	TAIKAI USA SWITCHGEAR INC					X		1
NVM	Truman, Andrew	Black & Veatch				X			1
NVM	Usner, Joe	American Electric Power (AEP)						X	1
NVM	Valdes, Marcelo	ABB				X			1
NVM	Valiyattil, Babu	ABB Inc	X						1
NVM	van de Ligt, Jim	Spark Power Corp.	X						1
NVM	Walgenbach, Jacob	Siemens		X		X		X	3
NVM	Ward, Randall	Aluma-Form				X			1
NVM	Wear, Jonathan	JST Power Equipment, Inc.		X		X		X	3
NVM	Weishuhn, Will	ABB	X	X		X		X	4
NVM	Weisker, Jan	Siemens Energy		X		X		X	3
NVM	Wen, Jerry	BC Hydro						X	1
NVM	Westerdale, Matt	Bureau of Reclamation	X			X			2
NVM	Wong, Michael	Entergy						X	1
NVM	Yarbrough, Elijah	Hubbell Power Systems				X			1
NVM	Young, Marcus	Mitsubishi Electric	X			X			2
NVM	Youssef, Mina	Eaton Corporation					X	X	2
NVM	Yu, Li	Eaton Corp						X	1
NVM	Zaharko, Samuel	MEPPI				X		X	2
NVM	Zhang, Will	Hitachi T&D Solutions, Inc.	X					X	2
NVM	Ambrose, Chris	Federal Pacific	X	X	X				3
NVM	Benedict, Dan	PPL					X	X	2
NVM	Blake, Randy	Schneider Electric					X	X	2
NVM	Byron, Eldridge	Schneider Electric	X	X					2
NVM	Castillo, Pedro	ABB					X	X	2
NVM	Khan, Umer	ABB Inc					X	X	2
NVM	Olivares, Roberto	Siemens					X	X	2
NVM	Runov, Artyom	S&C Electric Canada					X	X	2
NVM	Tarleton, John	Southern States, LLC					X	X	2
NVM	Wolfe, Dan	Mitsubishi Electric					X	X	2
Total									172
75	Voting Members								68
3	Present Past & Immediate Past Chairs								3
4	Present Honorary Members								4
82	Qualified Attendees								75
Qualified Attendees Present:								75	
Quorum Calculation:								91%	