

US National Committee

2020 Annual Meeting of Members



cigre

For power system expertise

Who Are We?

1. **PURPOSE** - To foster engagement and knowledge sharing among power system professionals globally to enable the sustainable provision of electricity for all.
2. **MISSION** - We contribute to the betterment of power systems by enhancing the expertise of the people within it.
3. **VISION** - To be universally recognized as the leading global organization for all aspects of electric power systems.



USNC General Meeting Agenda

1. USNC President's Opening Remarks
2. CIGRE International Update
3. Awards & Recognition
4. Nominations & Appointments
5. Treasurer's Report
6. Administrative VP Report
7. Membership
8. Women in Engineering
9. Next Generation Network
10. Technical Activities Report
11. Future CIGRE and USNC Meetings
12. Other Business & Discussion

D. Roop
M. Heyeck
dsey / E. LaRose
Root / D. Novosel
C. Kelly
D. Russell
J. Hogan
B. LaRose
C. Mertz
J. McDonald
D. Roop
USNC Members



Business Actions

1. Approval of minutes from 8/6/2019 Annual meeting
2. Approval of Bylaw changes recommended for CIGRE USNC



CIGRE Organization 2020-2022

1. Officers

- President
 - Michel Augonnet (FR)
- VP Finance (Treasurer)
 - Mike Heyeck (USA)
- VP Technical Council Chair
 - Marcio Szechtman (BR)
- Secretary General
 - Philippe Adam (FR)

2. US Representative on Administrative Council & Steering Committee

- Mike Heyeck



International Activities

1. 2021 Paris Centennial Session – August 20-25

- Register for low rate at CIGRE-USNC.org until December 31, 2020; Increases in 2021
- If Cancelled by CIGRE - Full Refund
- If Member Cancels – 120 Euro fee in 2020, and 240 Euro fee in 2021
- Hybrid MAYBE with SOME Virtual Elements

2. 2022 Paris Session Preferential Subjects Finalized

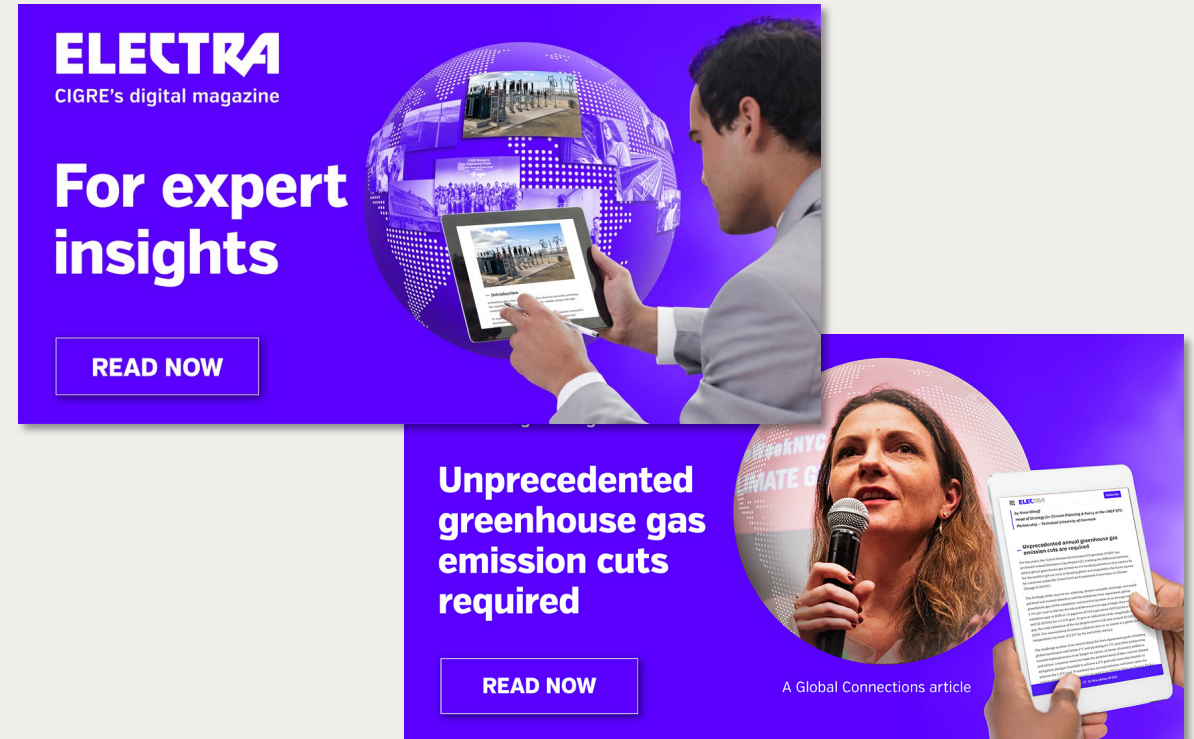
3. US #2 in Membership in 2019 behind China, but we fell to #3 in 2020 as Japan leaps ahead



ELECTRA

CIGRE's digital magazine

- Signature publication is now digital
- electra.cigre.org
- We will promote it throughout this year and next
- No login for now but from October use your e-cigre details
- Newsletters continue..
 - PowerTalk (Events, News)
 - Leadership Circle (C-Suite)
 - Future Connections (E2E Grid Visioning)



“digital delivery for our 2nd century”

Awards & Recognition Committee

1. Keith Lindsey – Chair – Lindsey Mfg. Co.
2. Elizabeth LaRose – Vice Chair - GE Power
3. Dick Wakefield – Vice Chair – Consultant
4. Clark Gellings – Consultant
5. Mike Heyeck - Consultant
6. John McDonald – GE Grid Solutions
7. Rana Mukerji – New York ISO
8. Chris Root – VELCO
9. B. Don Russell – Texas A&M University
10. Virginia Sulzberger - Consultant



– Citation –

“To honor the contributions and memory of Frederic Attwood of the USA, who, with J. Tribot Laspiere of France, foresaw the need for an international organization in the field of power engineering and who became the first Chairman of the U.S. National Committee upon the founding of CIGRÉ in the year 1921.”

USNC
Attwood Associate Awards – 2020

1. Paul Myrda



USNC
Attwood Associate Awards – 2020

1. Paul Myrda
2. John Randolph



USNC
Attwood Associate Awards – 2020

- 1. Paul Myrda**
- 2. John Randolph**
- 3. Galen Rasche**



USNC
Attwood Associate Awards – 2020

- 1. Paul Myrda**
- 2. John Randolph**
- 3. Galen Rasche**
- 4. David W. Roop**



USNC
Attwood Associate Awards – 2020

- 1. Paul Myrda**
- 2. John Randolph**
- 3. Galen Rasche**
- 4. David W. Roop**
- 5. Chris Root**



USNC
Attwood Associate Awards – 2020

- 1. Paul Myrda**
- 2. John Randolph**
- 3. Galen Rasche**
- 4. David W. Roop**
- 5. Chris Root**
- 6. Dr. Jason Taylor**



USNC Philip Sporn Award — 2020



– Citation –

“For career contributions advancing electric power systems in theory, design and/or operation for the benefit of society in the United States, and for aspiring to Philip Sporn’s “Locus of Discontent” approach; i.e. always challenging the status quo to advance technology for the betterment of society.”

USNC
Philip Sporn Award – 2020

Dale Douglass



USNC

Outstanding Collective Member Award — 2020



“For outstanding leadership and continuing managerial, technical, and financial support of the activities of the U.S. National Committee and CIGRE over an extended period of time.”

USNC
Outstanding Collective Member Award — 2020



**Dominion
Energy®**



Nominations & Appointments Committee

- Chris Root – Chair – VELCO
- Damir Novosel – Vice Chair - Quanta Technology
- Chris Kelly – National Grid
- Mark McGranaghan – EPRI
- John McDonald – GE Grid Solutions



USNC Vice Presidents (Chairs of USNC Committees)

Nominations for Term Ending (TE) Through 2021:

1. James Hogan / **Allen Xi** (Burns & McDonnell) – VP, Marketing & Membership
2. Chris Mertz (Dominion Energy) - Next Generation Network (NGN)



USNC Officers

Term Ending (TE) Through 2022:

1. Chris Root (VELCO) - President
2. David Roop (DWR Associates LLC) – Immediate Past President USNC
3. Mike Heyeck (Grid Group LLC) – USNC Administrative Council Rep & CIGRE Steering Committee, CIGRE International Finance (Treasurer), Past President USNC
4. Don Russell (TAMU) – Secretary; VP, Administration - Secretariat
5. Chris Kelly (National Grid) - VP, Treasurer
6. John McDonald (GE Grid Solutions) – VP, Technical Activities
7. Beth LaRose (GE Power) – VP, Awards & Recognition
8. Damir Novosel (Quanta Technology) – VP, Nominations
9. Amanda Olson (Burns & McDonnell) – Women In Engineering (WIE)



Executive Committee Members at Large - Term Ending 2021

Robert W. Bradish (American Electric Power)	Shay Bahramirad (Commonwealth Edison)
Samuel Barnes (Commonwealth Associates, Inc.)	Bill Bojorquez (Hunt Power, L.P.)
Robert Carritte (MPR Associates Inc.)	Clem Clayton (Tennessee Valley Authority)
Adrienne Collins (Southern Company Services Inc.)	Jaime De La Ree (Virginia Polytechnic Institute)
Ronald Duckstein (Sediver, USA)	Randy Grass (POWER Engineers)
Jim Hogan / Allen Xi (Burns & McDonnell)	Adam Keech (PJM Interconnection, LLC)
Chris Kelly (National Grid)	Robert D. Kirkland (Leidos)
Tomas Leander (Hitachi ABB Power Grids)	Keith E Lindsey (Lindsey Manufacturing Company)
Arron Lewis (Black & Veatch Corporation)	Mark McGranaghan (Electric Power Research Institute)
Rana Mukerji (New York Independent System Operator, Inc.)	Sean Murphy (PingThings, Inc.)
Damir Novosel (Quanta Technology)	Tim Qualheim (S&C Electric Company)
David W. Roop (DWR Associates, LLC)	Chris Root (VELCO)
Sergo Sagareli (ConEdison)	Werner Schweiger (Eversource Energy)
Richard Shaheen (Bonneville Power Administration)	Mariko Shirazi (University of Alaska – Fairbanks)
Cliff Thompson (North American Substation Services)	Demetrios Tziouvaras (Schweitzer Engineering Laboratories)
Bill Webb (CTC Global)	David Wojtczak (American Transmission Company)

Executive Committee Members at Large - Nominated for Term Ending 2022



Kevin Curtis (Dominion Energy)	Terrence Donnelly (ComEd)
Johan H. Enslin (Clemson University)	Tom Eyford (Oracle Utilities)
Mike Heyeck (CIGRE)(Grid Group LLC)	Elizabeth LaRose (GE Power)
Yilu Liu (University of Tennessee and Oak Ridge Lab)	John D. McDonald (GE Grid Solutions)
Amanda Olson (Burns & McDonnell)	John Paserba (Mitsubishi Electric Power Products)
Dave Poska (First Energy Corporation)	Stewart Ramsay (Vanry & Associates)
Gregory Reed (University of Pittsburgh)	Joe Rostron (Southern States, LLC)
Paul Roskilly (Siemens Energy Management)	B. Don Russell (Texas A&M University)
Eric Stein (PECO Energy)	Gordan Van Welie (ISO New England)

USNC – 2019 Finances



- **Revenues:**

– Individual Memberships	\$97,125.00
– Collective Memberships	\$109,500.00
– Corporate Sponsorships	\$130,000.00
Grid of the Future	
– Conference Income	\$101,470.00
Annual Mtg., & Grid of the Future	
	<hr/>
	\$438,095.00

- **Expenses:**

– Dues to Paris Office	\$98,986.18
– Administration/Operations	\$137,754.68
– Conference Expenditures	\$140,365.87
– Travel	\$22,930.46
– Marketing	\$3,384.75
	<hr/>
	\$403,421.94

USNC – Financial Summary – 2019

(audited and closed)

	<u>Budget</u>	<u>Actual</u>
Revenues	\$ 488,000.00	\$ 438,095.00
Expenses	\$ 443,267.00	\$ 403,421.94
Net Income	\$ 44,733.00	\$ 34,673.06

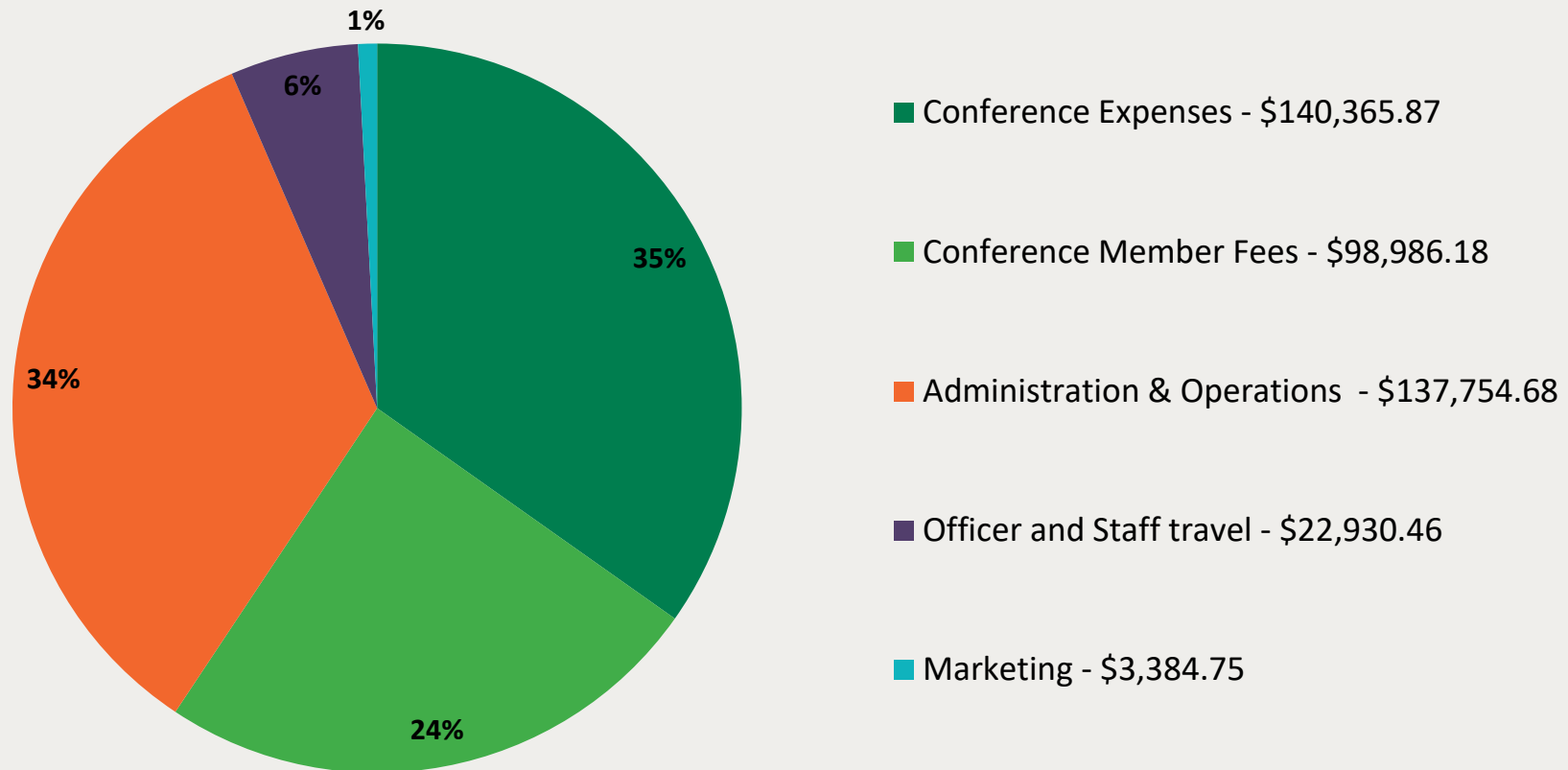
Investments:

Certificates of Deposit: \$ 287,472.76



2019 Expense Breakdown

2019 Expense Breakdown



USNC Membership



	<u>2015</u>	<u>2016</u>	<u>2017</u>	<u>2018</u>	<u>2019</u>	<u>2020*</u>
Individual	525	608	548	622	839	840
Collective	45	57	55	51	53	48
Principal	(27)	(29)	(26)	(25)	(24)	(24)
Sustaining	(5)	(5)	(8)	(8)	(10)	(9)
Patron	(8)	(9)	(8)	(5)	(6)	(6)
Educational	(4)	(14)	(13)	(13)	(13)	(9)

* 2020 Data as of October 1, 2020

Collective – Members 2020 (to date)



Patron Members (6)

Hitachi ABB Power Grids

AEP Service Corporation

Dominion Energy

EPRI

GE Grid Solutions/ GE Power

Tennessee Valley Authority

Sustaining Members (9)

Burns & McDonnell

Commonwealth Associates, Inc.

ConEdison

Eversource Energy

ISO New England, Inc.

Lindsey Manufacturing Co.

National Grid USA

New York ISO

S&C Electric Co.

Collective – Members 2020 (to date)



Principal Members (24)

American Transmission Co. (ATC)

Bonneville Power Administration

CTC Global

Hunt Power

Mitsubishi Electric Power Products

North American Substation Services

PingThings

POWER Engineers, Inc.

Quanta Services

Sediver USA

Southern Company

Vanry + Associates

Black & Veatch

Commonwealth Edison

First Energy Corp.

Leidos

MPR Associates, Inc.

PECO Energy

PJM Interconnections

Power Systems Consultants

Schweitzer Engineering Laboratories

Siemens Energy, Inc.

Southern States LLC

VELCO

Collective – Members 2020 (to date)



Educational Members (9)

Clemson University

Kansas State University

Missouri University of Science & Technology

Texas A&M University

University of Alaska-Fairbanks

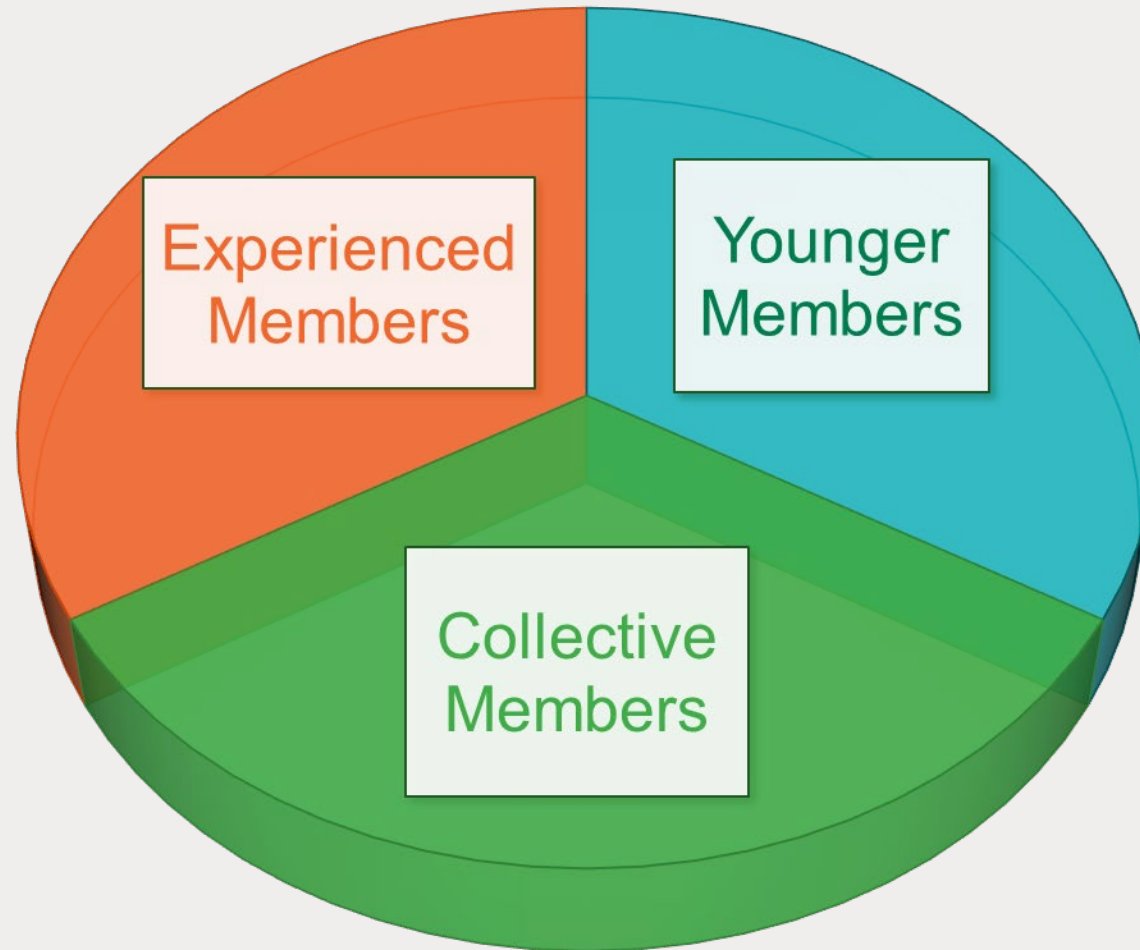
University of Pittsburgh

University of Tennessee

USACE Technical Library

Virginia Polytechnic Institute and State University

Membership Approach



Younger Member Strategy

1. Utilize IEEE Student Chapters
2. Propose CIGRE Ambassador Role
 - Promotes CIGRE at Colleges & Universities
 - Creates Leadership Positions
 - Encourages attendance at GOTF & Paris Session
 - Support from industry with Speakers, Presentations, and Tours
3. Engage NGN to drive initiative
4. Support from Collective Members



Collective Membership Strategy

1. Engage Executive Committee
 - Identify Companies
 - Assign Champion
2. Provide Collateral
3. Provide Talking Points

Experience Workforce Strategy

1. Encourage from Collective Members
2. Use existing network to promote membership
 - Professional Societies
 - Webinars and Conferences
 - Social Media



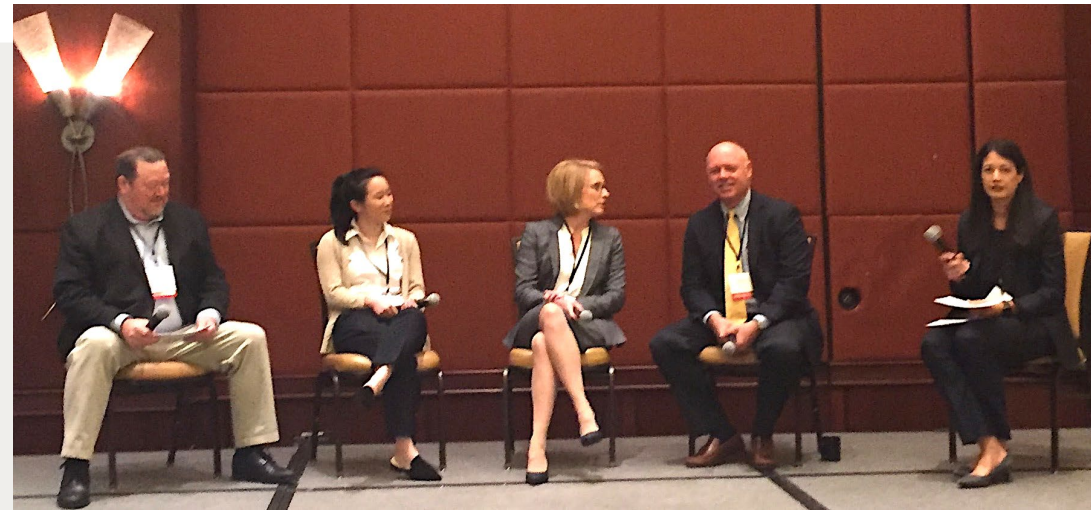
Marketing Strategy

1. Author Papers
2. Present Conferences
3. Sponsor Webinars
4. Promote on Social Media



US National Committee WiE

- Integrated into US Grid of The Future events:
 - 2019 Breakfast panel highlighting diversity
 - Engagement survey:
 - Focus on career challenges and retention
 - 81% of companies have organized, diversity, inclusion or affinity networks
 - Flexible work arrangements are highly desired
 - Work challenge, ability to innovate and the impact to society are why people stay in the power industry
- Promoting diversity with the Next Generation Network
→ ~45% of US NGN executive committee are women!
- US Women in CIGRE
- ~10% of US Executive Committee
- ~32 Experts hold 46 SC/WG/NGN positions; 4 WG Conveners
- Contact: Beth LaRose, Elizabeth.larose@ge.com



Adrianne Collins-Southern Company Services (right) and Mark McVey-Dominion Energy (left) moderated a panel with (l-r) Elizabeth Chu, GE Renewable Energy, Tricia Breeger, Mitsubishi Electric Power Products and Chris Root, Vermont Electric Power Co.



US NGN at CIGRE Paris 2018

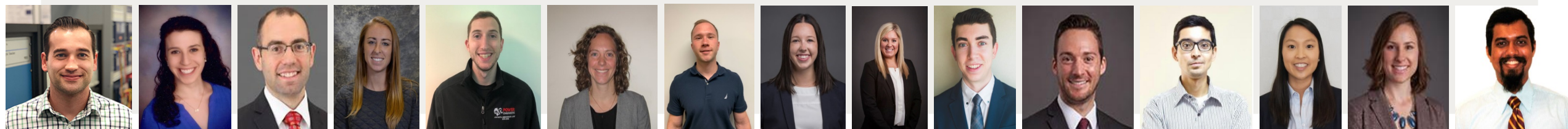
Next Generation Network (NGN)



USNC NGN Executive Committee



Position	Name
Chair	Chris Mertz
Events Grid of the Future, international colloquium	Alyssa Blumenthal
International Collaboration	Anthony Giacomoni Natalie Tacka Cam VanLeuven
Marketing External Focus	Jenny Erwin Joseph (JJ) Petti
Membership Internal Focus	Mallory Droge Morgan Hoffmann
Mentoring Working group correspondence	David Roop
Professional Development Paper competition	Travis Heintzelman
Professional Development Webinars	Hassaan Idrees
Social Media	Rebecca Hilderbrand
Members-At-Large	Amanda Olson Deepak Ramasubramanian



Current Projects

What we are presently working on!

- Social Media Outreach
- Student Membership Initiative
- Paper Competition
- Webinars



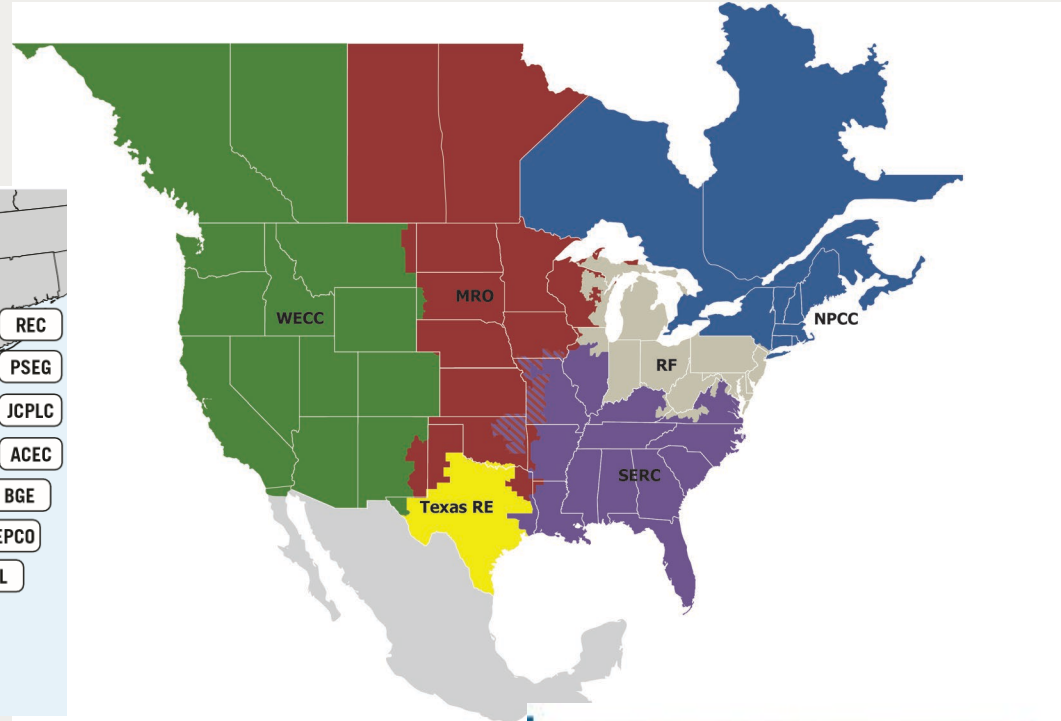
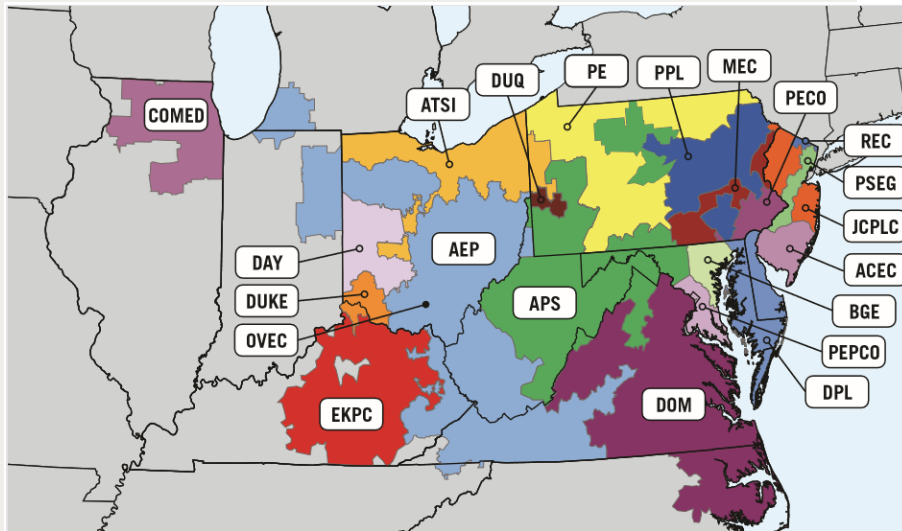
Areas for International collaboration:

- Professional development events
(Technical Sessions/Trainings/Webinars)

 Next Generation Network (NGN) Webinars	 Next Generation Network (NGN) Webinars	 Next Generation Network (NGN) Webinars
<p>CIGRE NGN Webinar: NYISO DER Value and Market Participation</p> <p>Webinar details Distributed Energy Resources, or DERs, are poised to transform the wholesale electric system throughout the United States. Like other independent system operators, or ISOs, the NYISO's DER roadmap identifies a clear path toward integrating DER into the wholesale markets. See how James Pigeon is spearheading this effort in and around the tri-state area, as he shares insights on how NYISO is enhancing its market rules for DER participation in its energy, ancillary services, and capacity markets.</p> <p>Presenter background James has been involved in the evaluation, design, implementation, and operation of wholesale electricity markets at the New York Independent System Operator (NYISO) for over 14 years. His work at the NYISO includes work in Market Design and Information Technology. He is currently involved in the NYISO's efforts with integrating Distributed Energy Resources and aligning the New York wholesale electricity market with a strategic public policy objective for New York State called Reforming the Energy Vision. He has been involved in a wide array of projects at the NYISO, including integrating renewable technologies into the marketplace, working with emerging storage and generation technologies, enhancing interregional trade, minimizing regional congestion, improving overall market efficiency as well as the design and implementation of NYISO market systems. James has a Bachelor of Engineering degree in Computer Engineering from Clarkson University in Potsdam, New York.</p> <p>Details Tuesday, May 12, 2020 11 AM ET 8 AM PT Duration: 1 hour Registration: https://tinyurl.com/y8b9m9w4 Call in number: +1-408-418-9388 Meeting ID: 620 707 687</p> <p>James Pigeon Senior Market Design Specialist, Energy Market Design, New York Independent System Operator (NYISO)</p> 	<p>CIGRE NGN Webinar: Design and development of energy solutions for un electrified markets</p> <p>Webinar details The focus of this webinar would be on different energy solutions that are available for un electrified or poorly electrified markets, and some key things to remember about how to successfully disseminate these solutions. Based on her work in sustainable energy solutions for humanitarian needs, particularly in economies with unreliable electricity markets, Jackie will also focus on how young professionals can develop and deploy these electrical energy solutions.</p> <p>Presenter background Jackie Stenson specializes in the development and dissemination of socially impactful solutions to underserved markets. She is co-founder and Executive Chair of Esmart, a social enterprise that distributes 300+ life improving technologies to rural India by connecting them with local retail shops. An engineer by training, she has designed socially impactful technologies in 11 African countries and India. Jackie also supports the development of new impactful solutions as an Adjunct Professor at INSEAD, where she teaches a course focused on developing solutions that address the UN Sustainable Development Goals. Jackie has a BS in mechanical engineering from Harvard and an MPH in Engineering for Sustainable Development from the University of Cambridge. She has been featured on the Forbes 30 Under 30 list and is an Echoing Green Fellow. She has been an expert contributor both on National Public Radio in the US and in the Economist, and has taught courses at Harvard and at MIT.</p> <p>Details Thursday, August 6, 2020 2 PM ET 11 AM PT Duration: 1 hour Registration: https://tinyurl.com/yvckm9w4 Call in number: +1-408-418-9388 Meeting ID: 525 455 0937</p> <p>Jackie Stenson Executive Chair & Board Chair, Esmart Adjunct Professor, INSEAD</p> 	<p>CIGRE NGN Webinar: Impact of Inverter-based and distributed energy resources on the bulk power system</p> <p>Webinar details The focus of this webinar would be on the impact of inverter-based and distributed energy resources on the bulk power system. While numerous potential concerns exist for the bulk integration of inverter-based resources into the RPS and sub-transmission systems, there are also opportunities and industry activities that have been addressing various issues. This webinar will focus on these areas and identify where gaps may still exist.</p> <p>Presenter background Dr. Ryan Quent is a Senior Manager in the RPS Security and Grid Transformation department at the North American Electric Reliability Corporation (NERC). Currently, his primary focus includes integration of cybersecurity practices with conventional planning, operations, design, and system restoration activities. He also supports industry activities related to integration of inverter-based resources, impacts of distributed energy resources on the bulk power system, power system modeling and simulation techniques, post-mortem disturbance analysis, frequency response, power plant model validation, dynamic load modeling, synchronous technology, and cascading outages. Dr. Quent has also worked at Dominion Virginia Power in Electric Transmission Planning and Renewable Power Administration in Long Range Transmission Planning, Transmission Planning, Remedial Action Scheme Design, Measurement Systems Laboratory, and Customer Service Engineering. Dr. Quent is an active member of the IEEE Power & Energy Society and CIGRE U.S. National Committee, and continually seeks to support industry organizations focusing on grid reliability across all interconnections. He received his Ph.D. and MSEE from Virginia Tech and BSLE from University of Washington.</p> <p>Details Tuesday, September 17, 2020 2 PM ET 11 AM PT Duration: 1 hour Registration: https://paperkit.net/y8b9m9w4 Call in number: +1 720 439 5083 Conference ID: 503 999 6908</p> <p>Ryan Quent, PhD, PE Senior Manager, RPS Security and Grid Transformation, NERC</p> 

Challenges:

Keeping members engaged.


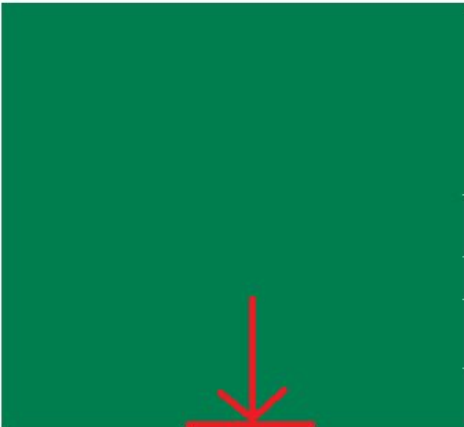



Challenges:

NGN member tracking.



Join today





Christopher MERTZ
Dominion Energy

[PRINT MEMBER CERTIFICATE](#)

[Member Directory](#) | [My Profile](#) | [Event Calendar](#) | [Community Forum](#)

Welcome to the Members Only Area!

UPDATE! GRID OF FUTURE POSTPONED UNTIL 2021

2021

**Grid of the
Future**

Quick Links

[Join/Renew Here](#)

[Why CIGRE](#)

[e-cigre](#)

Upcoming Events

Wed Oct 14, 2020

[Impacts of High Share of Inverter-Based Resources on System Inertia and Frequency Control](#)

Category: CIGRE Academy Webinar

Wed Oct 21, 2020

[Session 1 | Accelerating AI on the Grid: PMU Fundamentals & Intro to AI](#)

Category: CIGRE Academy Webinar

Wed Oct 28, 2020

[Session 2 | Accelerating AI on the Grid: PMU Fundamentals & Intro to AI](#)

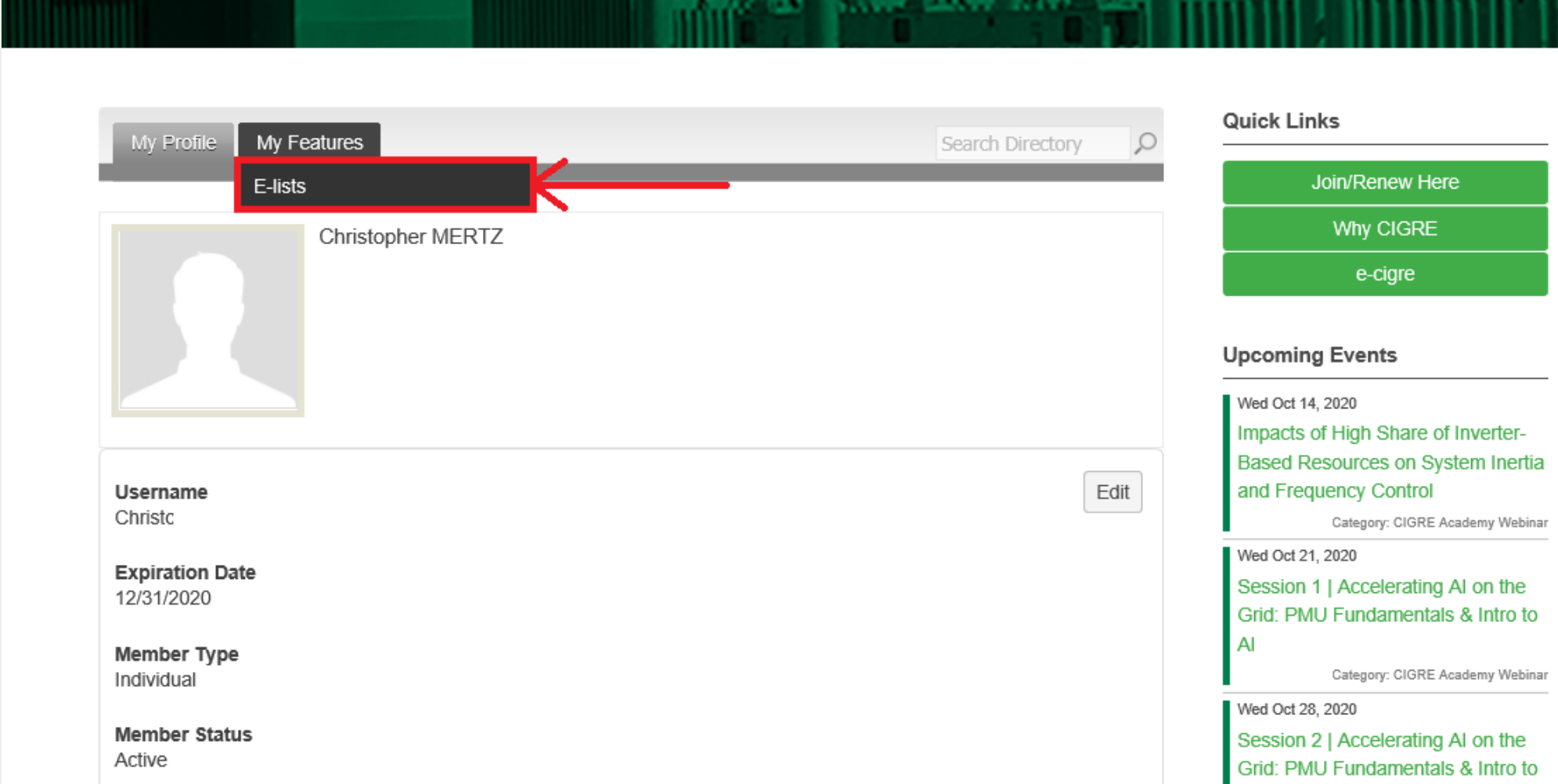
Category: CIGRE Academy Webinar


Thu Nov 5, 2020


[Session 1 | Enabling Distributed](#)

Challenges:

NGN member tracking.



My Profile **My Features** **E-lists** 

 Christopher MERTZ

Username
Christc Edit

Expiration Date
12/31/2020

Member Type
Individual

Member Status
Active

Quick Links

- [Join/Renew Here](#)
- [Why CIGRE](#)
- [e-cigre](#)

Upcoming Events

- Wed Oct 14, 2020
[Impacts of High Share of Inverter-Based Resources on System Inertia and Frequency Control](#)
Category: CIGRE Academy Webinar
- Wed Oct 21, 2020
[Session 1 | Accelerating AI on the Grid: PMU Fundamentals & Intro to AI](#)
Category: CIGRE Academy Webinar
- Wed Oct 28, 2020
[Session 2 | Accelerating AI on the Grid: PMU Fundamentals & Intro to](#)

Challenges:

NGN member tracking.

Join today

My Profile

My Features

Search Directory

E-lists

E-list Name	Subscribed	Email Delivery
Next Generation Network	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

5 ☐ Per Page of 1

Page 1 ☐ of 1 [First](#) [Previous](#) [Next](#) [Last](#)

Quick Links

[Join/Renew Here](#)

[Why CIGRE](#)

[e-cigre](#)

Upcoming Events

Wed Oct 14, 2020

[Impacts of High Share of Inverter-Based Resources on System Inertia and Frequency Control](#)

Category: CIGRE Academy Webinar

Wed Oct 21, 2020

Upcoming Projects

In the project pipeline!

- Two Webinar Series
 - Focus on Professional Development
 - Focus on Technical Development
- Explore Conventional Mentorship Program
- USNC Leading Effort on Coordinating the 2021 NGN Presentation Showcase for the 2021 CIGRE Centennial Session

Technical Activities Committee

- USNC Representatives to CIGRE Study Committees & Appointment Dates
- USNC Synopses Selection Process
- GOTF Paper Submission and Evaluation
- Working Groups/Task Forces Member Selection Process
- CIGRE WG and Convener Origins
- Ladies in CIGRE WGs Origins
- Ladies WG Convener Origins

U.S. Representatives to CIGRE Study Committees & Appointment Dates



- A1-Bill Moore (EPRI) - 2014
- A2-Mike Lamb (Dominion Energy) – 2018
- A3-Albert Livshitz (CE Power) – 2018
- B1-Rusty Bascom (Electrical Consulting Engineers, P.C.) – 2020
- B2-Erik Ruggeri (POWER Engineers, Inc.) – 2020
- B3-George Becker (POWER Engineers, Inc.) – 2020
- B4-Neil Kirby (GE Grid Solutions) – 2018
- B5-Rich Hunt (GE Grid Solutions) – 2016

U.S. Representatives to CIGRE Study Committees & Appointment Dates



- C1-Jeff Palermo (PJP Consulting) – 2016
- C2-Todd Ramey (MISO) – 2018
- C3-Randy Grass (POWER Engineers) - 2020
- C4-Theo Laughner (PowerGrid-RX Inc.) - 2014
- C5-Adam Keech (PJM Interconnection) - 2014
- C6-Jason Taylor (EPRI) – 2016
- D1-Luke Van der Zel (EPRI) – 2018
- D2-Chen-Ching Liu (Virginia Tech) – 2020

U.S. Additional Members to CIGRE Study Committees & Appointment Dates



- A1-Hugh Zhu (Consultant) - 2018
- A2-None
- A3-Brian O'Neil (RMS Energy Co., LLC) - 2020
- B1-Mohammad Pasha (United Illuminating) - 2014
- B2-Doug Proctor (Proctor Engineering) – 2018
- B3-None
- B4-David Roop (MEPPI) – 2020
- B5-Mladen Kezunovic (Texas A&M University) – 2018

U.S. Additional Members to CIGRE Study Committees & Appointment Dates



- C1-None
- C2-None
- C3-None
- C4-Gaurav Singh (EPRI) - 2020
- C5-Jeff Bladen (MISO) - 2020
- C6-Sundar Venkataraman (GE Power) – 2018
- D1-Bill Larzelere (Evergreen High Voltage) – 2018
- D2-None

2020 Synopses Selection Process

1. 75 Abstracts Received and Forwarded to USNC Study Committee Reps for their Advisory Committee Review (47 Received for 2018; 48 Received for 2016)
2. Abstracts Reviewed and Scored with Following Criteria:
 - Relevance to SC Preferential Subjects
 - Technical Content
 - Clarity of Synopsis
 - Avoid Commercialism
3. Abstract Recommendations Combined and Overall Ranking Created with the Following Criteria:
 - Balance Between SCs and Preferential Subjects
 - Highest Recommendations of Reviewers
 - International, National and Additional Commitment Allotments Requirements
4. 60 Synopses Submitted to Paris (Acceptance Notification on October 15)
5. Historical Acceptance Rate: 27/30 (90%) Accepted for 2018, 93% for 2016, 87% for 2014, 83% for 2012

CIGRE USNC 2021 Grid of the Future (GOTF) Paper Process

- Call For Papers
 - Theme: Technology for the 21st Century Electric Utility
- No Abstract Step – Full Papers Only
- Use Paper Preparation Template

GOTF Paper Evaluation Process

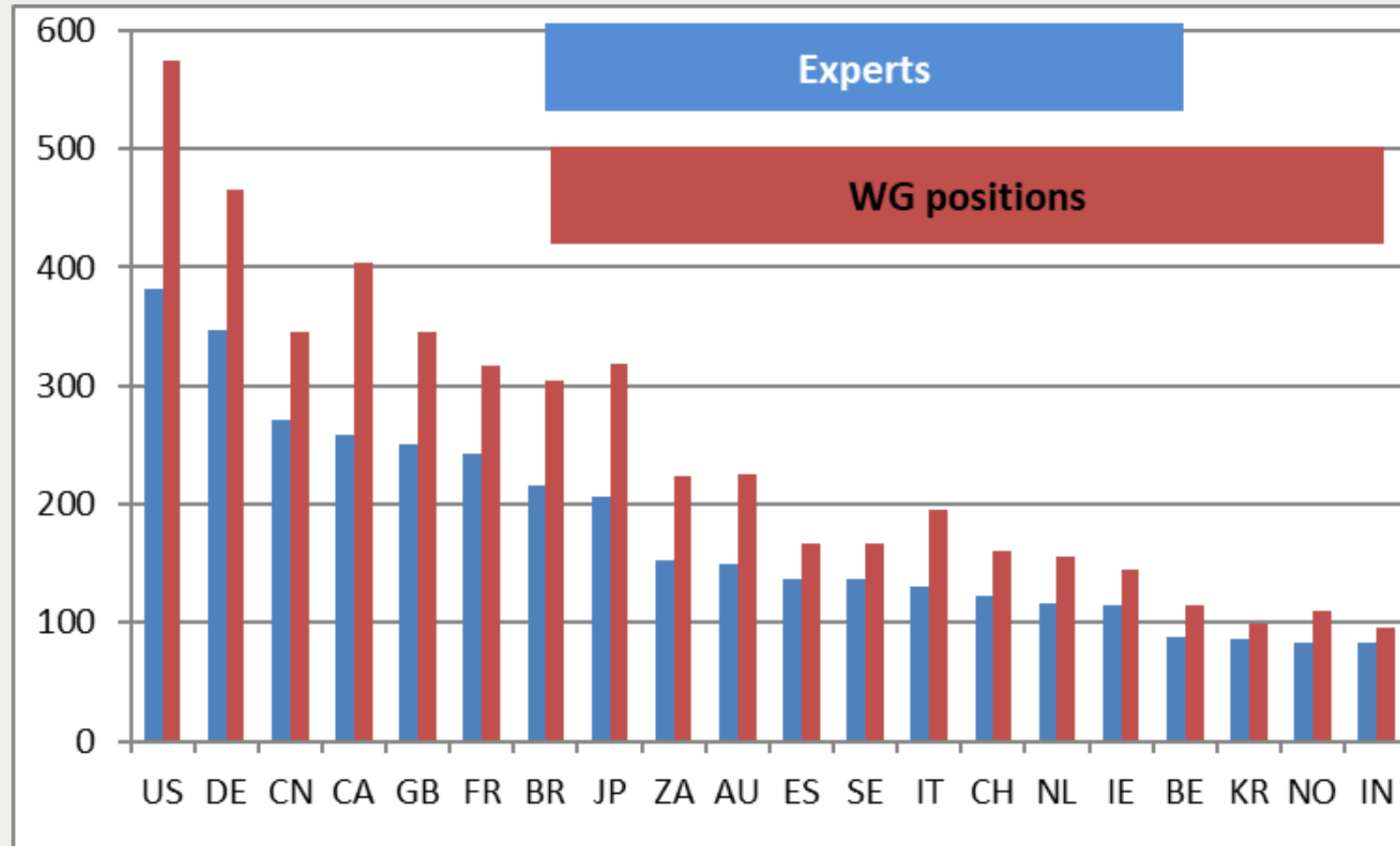
- Submitted Papers Forwarded to USNC Study Committee Reps for their Advisory Committee Review
- Evaluation Criteria
 - Novel and Innovative Technical Content (Concept with Implementation Results)
 - Clarity of Paper
 - No Commercialism
 - Adherence to Required Formatting (Use Paper Preparation Template)

Working Groups/Task Forces Member Selection Process

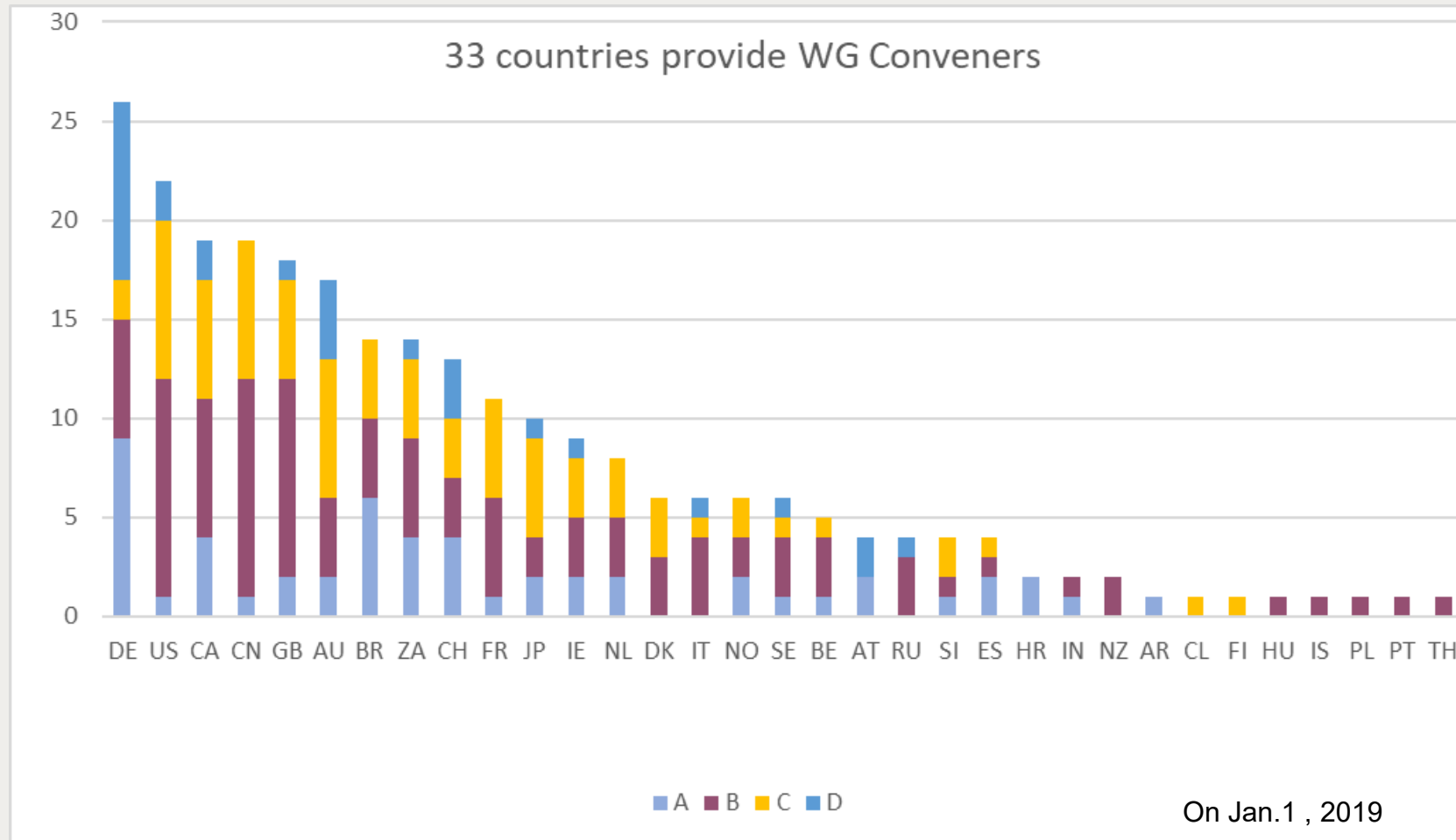
- Interested candidates must have Individual Member dues paid and send CV
- Obtain email address for new WG Convener and submit candidates' CVs directly to Convener
- Request Convener to confirm candidates' membership
- If no USNC candidates interested in a new WG, will ask new WG Convener for knowledge of US experts, and will contact them to see if they are interested in joining
- If more than two candidates are interested in same WG, set up a "Shadow or Mirror WG" within the USNC

Synthesis of the 2018 Review

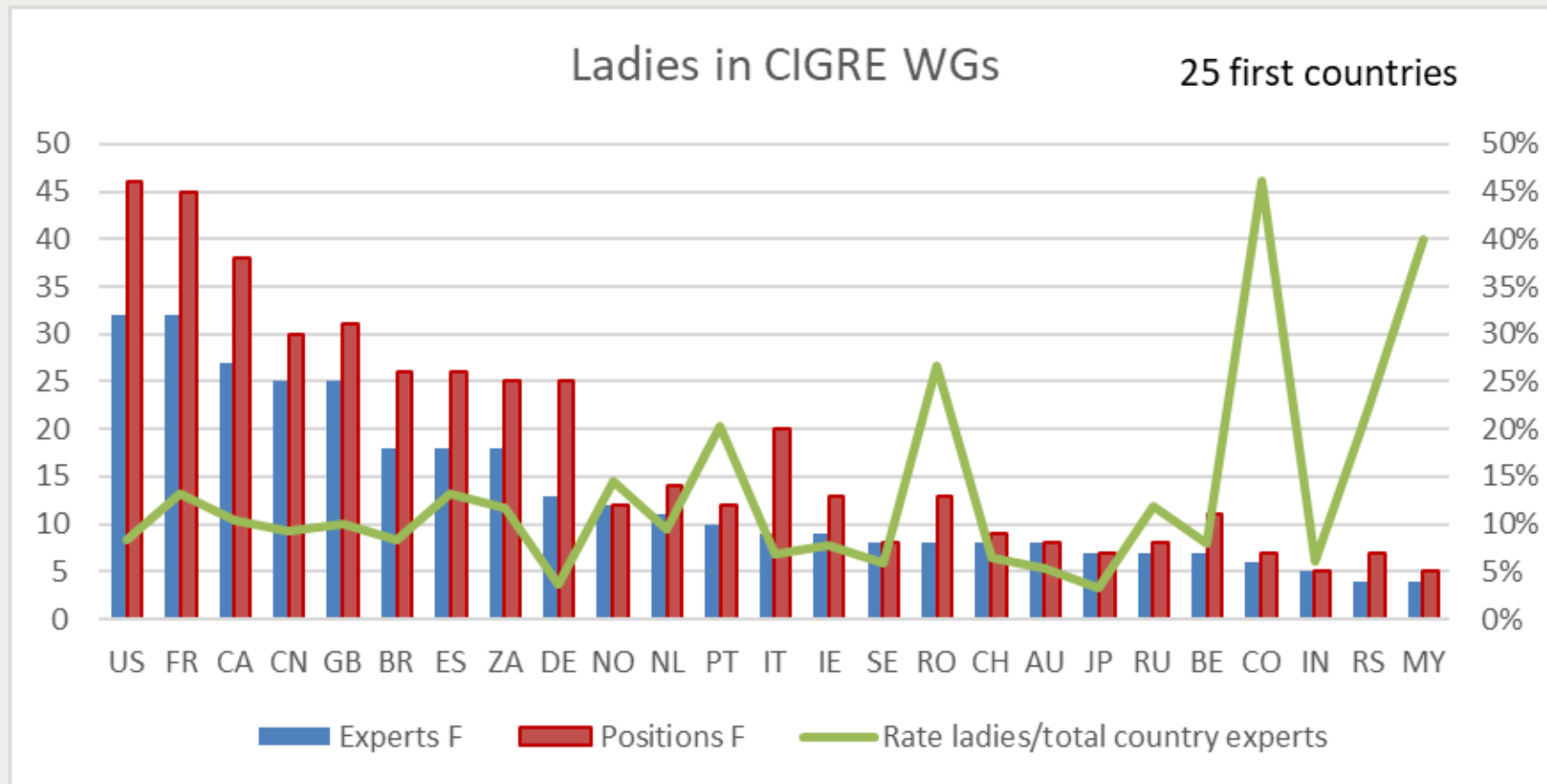
20 first countries



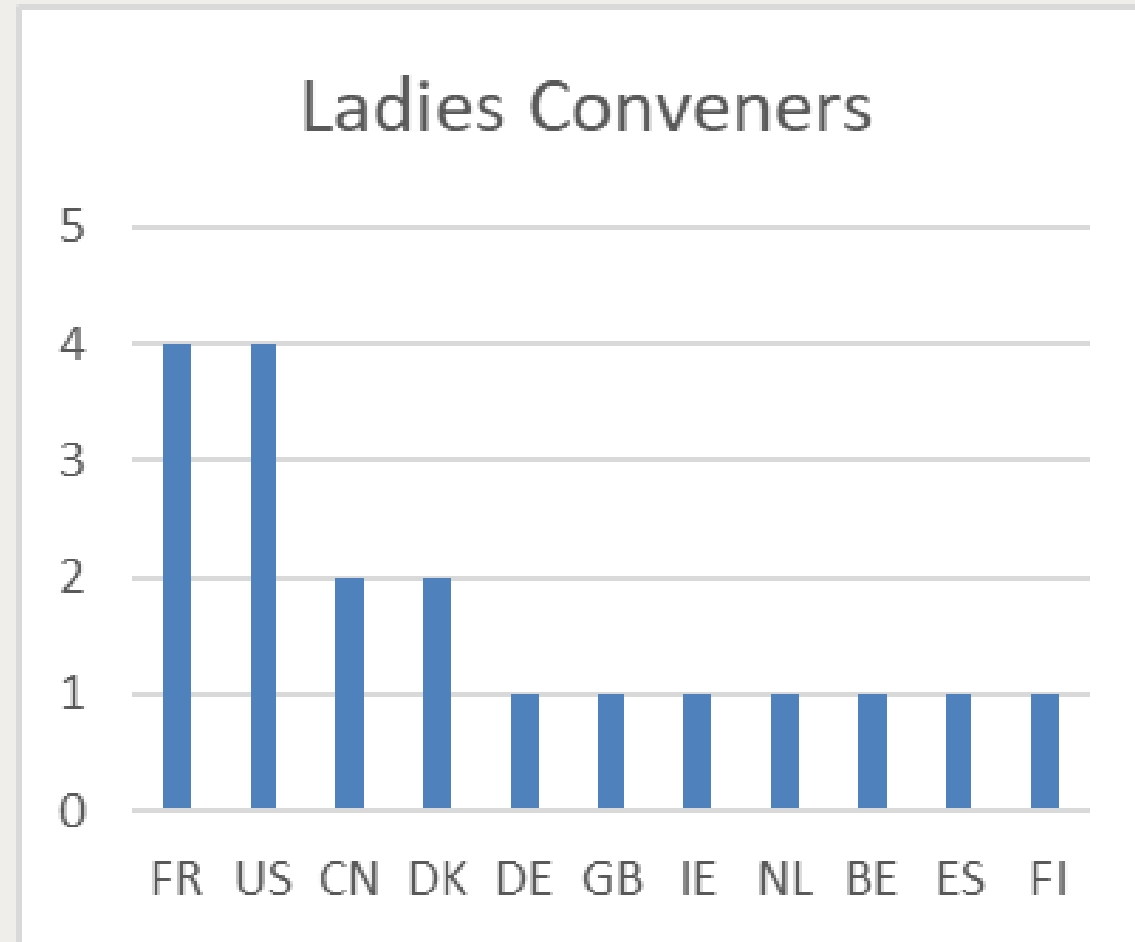
Working Group Conveners' Origins



Place of Women in CIGRE



Place of Women in CIGRE



Future CIGRE Meetings

2020 Webinar Academy Events USNC

- CIGRE Academy Webinar, October 14, 2020, Impact of High Penetration of Inverter-based Generation on System Inertia of Networks, 11a.m. – 1 p.m. (CDT)
- CIGRE Academy Webinar, October 21, 2020, Part I, Accelerating AI on the Grid: *PMU Fundamentals*, noon – 2 p.m. (EDT)
- CIGRE Academy Webinar, October 28, 2020, Part II, Accelerating AI on the Grid: *Intro to AI*, Noon – 2 p.m. (EDT)
- CIGRE Academy Webinar, November 5, 2020, Session 1, Enabling Distributed Intelligence with the Open Field Message Bus (OpenFMB) Framework, *Introduction to Standards, Business Drivers, and Industry Landscape*, Noon – 2 p.m. (ET)
- CIGRE Academy Webinar, November 12, 2020, Session 2, Enabling Distributed Intelligence with the Open Field Message Bus (OpenFMB) Framework, *OpenFMB Implementation Approach: Current Developments and Technology Stack*, Noon – 2 p.m. (ET)

REGISTER AT

cigre-usnc.org

Free to USNC members!!



CIGRE Centennial Session
Paris, France, August 20 – 25, 2021

REGISTER AT
cigre-usnc.org



2021 Grid of the Future

October 17 – 20, 2021
Providence, Rhode Island

hosted by **nationalgrid**

Technology for the 21st Century Electric Utility

REGISTER AT
cigre-usnc.org

What Can You Do?

1. Become active in Working Groups!

- *Need Distribution Expertise as we expand in this area*

2. Invite a colleague to Join!

3. Join us for Webinars!

4. Become a Collective Member

5. Become a SPONSOR

- *GOTF*
- *Paris*



Big thank you!

Sharon Loe
Jessica Meadors
Krista Beams

“The voice of CIGRE to our membership”



