

US National Committee

2019 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 | D. Roop |
| 2. CIGRE International Update | D. Roop for M. Heyeck |
| 3. Awards & Recognition | K. Lindsey |
| 4. Nominations & Appointments | C. Root |
| 5. Treasurer's Report | C. Kelly |
| 6. Administrative VP Report | D. Russell |
| 7. Next Generation Network | C. Mertz |
| 8. Technical Activities Report | J. McDonald |
| 9. Future CIGRE and USNC Meetings | D. Roop |
| 10. Other Business & Discussion | USNC Members |



CIGRE Organization (2019-2020)

1. Officers

- **President**
 - Rob Stephen (SA) to August (Paris) 2020
- **VP Finance (Treasurer)**
 - Michel Augonnet (FR) to August (Paris) 2020
- **Technical Council Chair**
 - Marcio Szechtman (BR) to August (Paris) 2022
- **Secretary General**
 - Philippe Adam (FR) On-Going

2. US Representative on Administrative Council & Steering Committee

- Mike Heyeck to August (Paris) 2020



Paris 2018
Released new brand positioning and image



International Activities

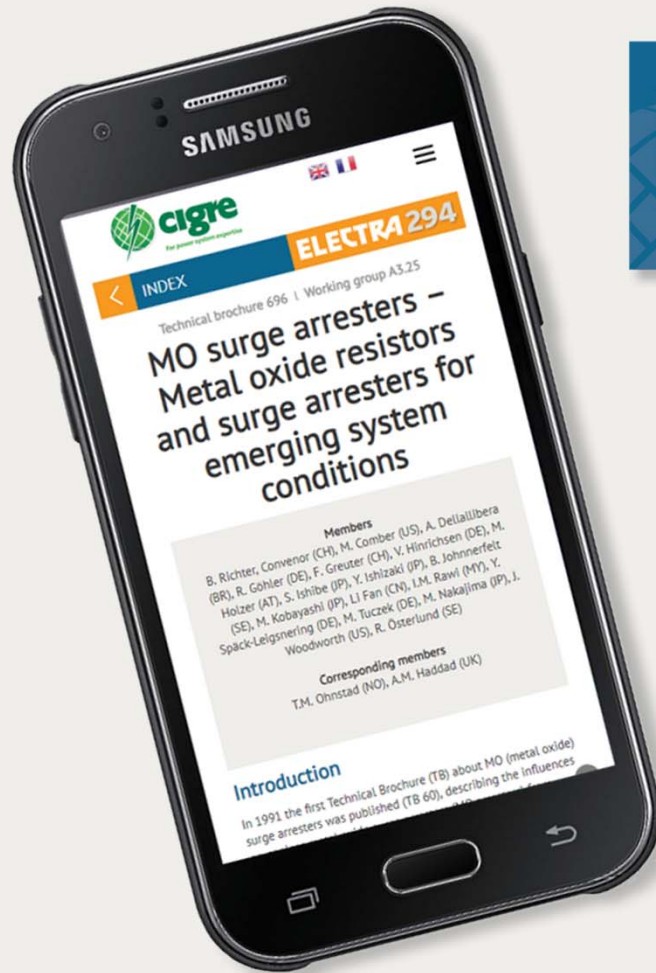
1. Branding & Communications Project - On-Going

- Paris 2018 Inauguration with New Logo, Web Content, Responsive to Tablet/Phone, And More
- Targeted Promotions
 - Summer 2019: **E2E (End-to-End) Power System Expertise**
 - Fall 2019: **NGN Promotion**
 - Spring 2020: **WIE Promotion**

2. Electra Renewal Digital Platform - April 2020

- PDF Version in 2019 (300,000 Euros/Year Savings to Fund Project) – **New Platform April 2020**
- New Section (June) >> **Global Connections** >> Invited Authors and CEO interviews
- New Electra Editorial Board – Mike Heyeck, Convener





Example of Electra Platform April 2020

Device responsive easy access

- Limited free
- Membership full
- Subscriber full (not e-cigre)

International Activities

3. Global Newsletters With Added Focus

- **General Newsletter** (Now **PowerTalk** – 6 per year)
- **Leadership Circle** (CEO Audience – 3 per year)
- **Future Connections** (For Members – Sept 2019 – Future Grid Articles – 3 per year)
- **Global Briefs** (2-Page Articles with Newsletters)

4. Centennial Promotions for Paris 2020 and 2022 Sessions for CIGRE's 2nd Century starting in 2021

- Paris 2020 Theme - Past and Prelude to CIGRE's 2nd Century
- Paris 2022 Theme - CIGRE's 2nd Century
- Themes Not Final



E2E End-to-End Promotion - LinkedIn Example

Distributed energy resource saturation an issue?

CIGRE has the real world proven
solutions you need, find out
more@: cigre.org/endtoend

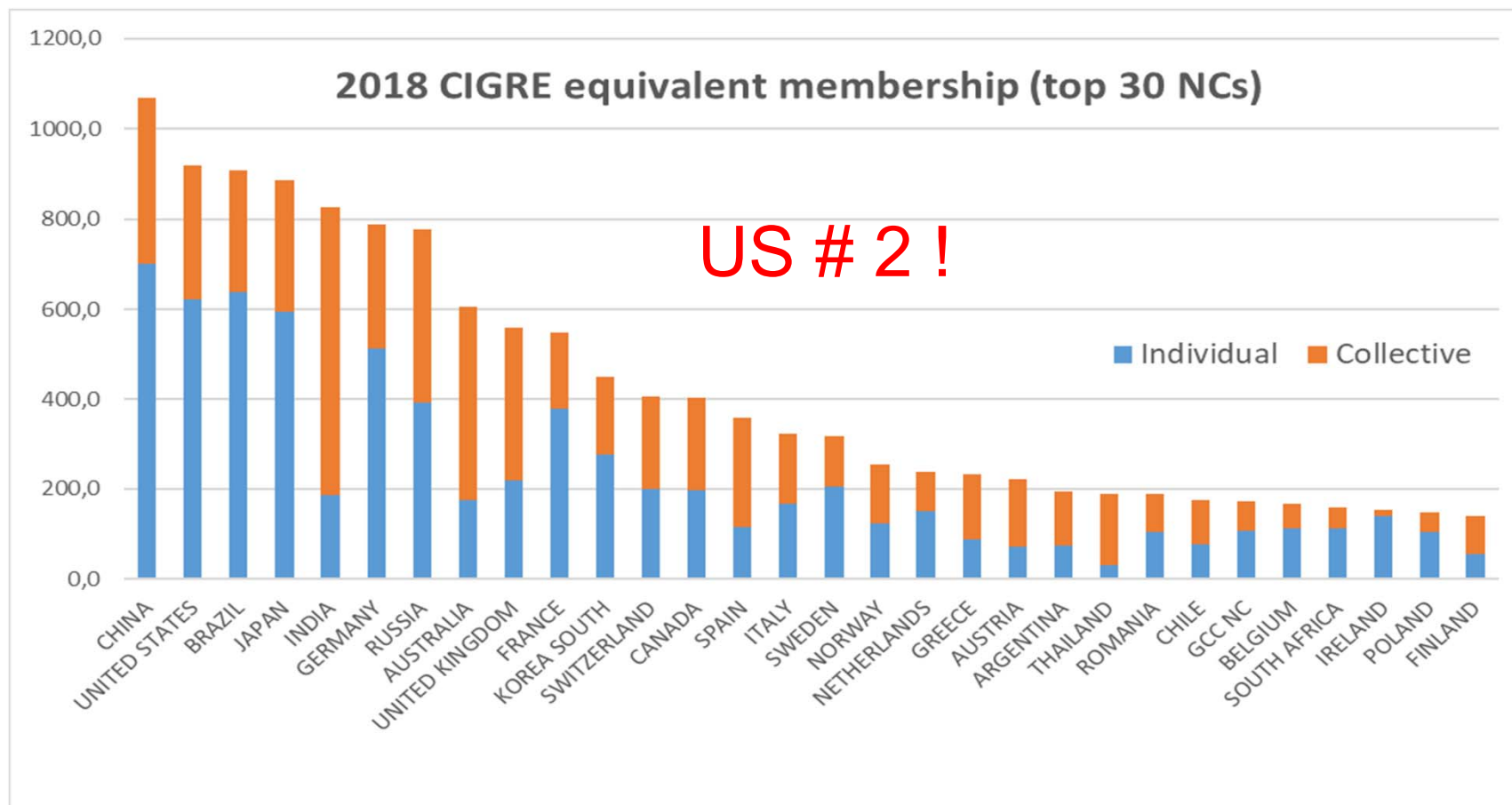


cigre

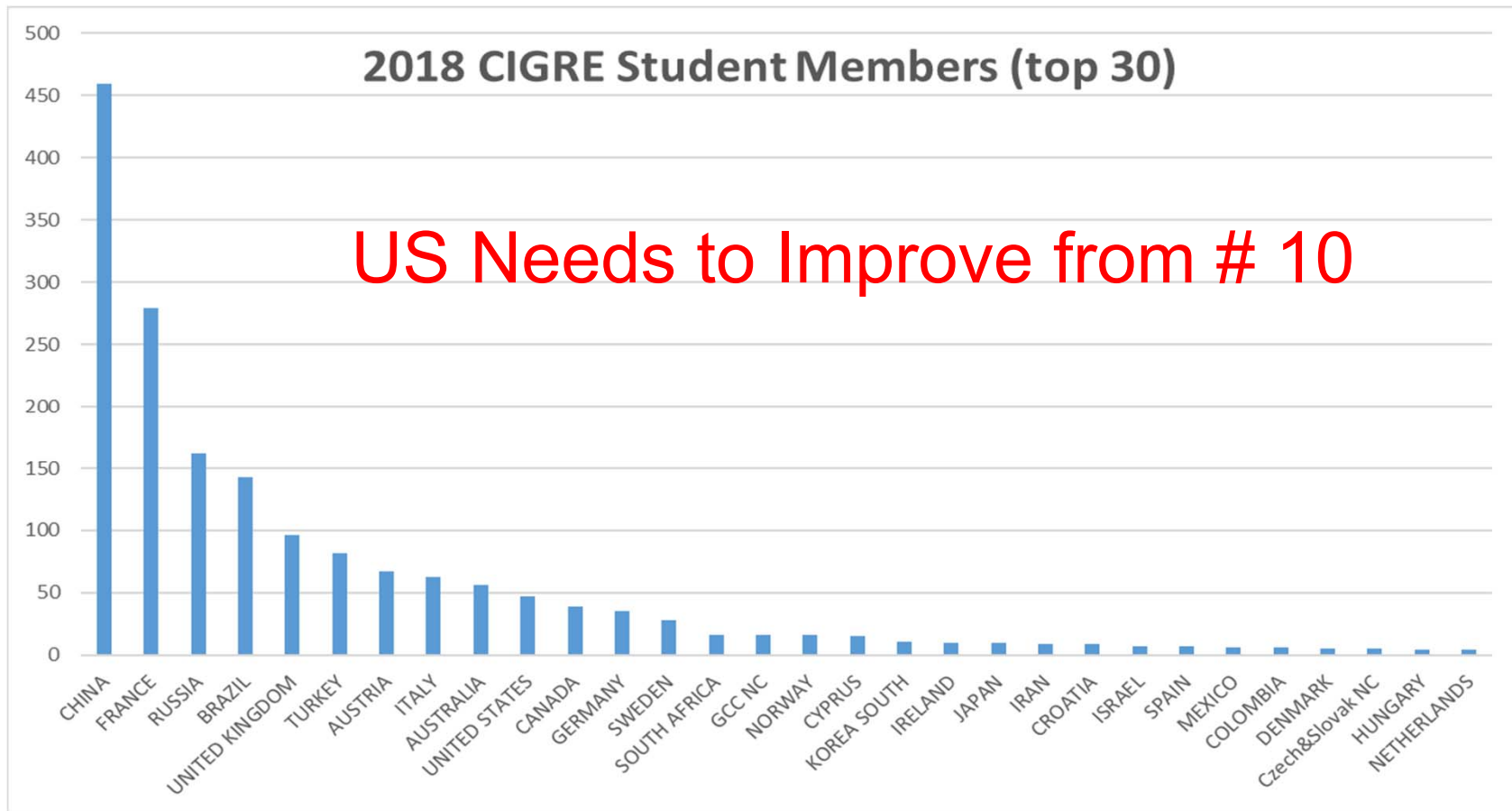
For power system expertise



CIGRE Membership in 2018 (30 first NCs)



CIGRE Student Memberships in 2018



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



USNC
Attwood Associate Award



– 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 – 2019

- 1. Michael Beehler**
- 2. Neil M. Kirby**
- 3. Amanda Olson**
- 4. Stewart M. Ramsay**
- 5. Harley W. Wilson**



USNC
Philip Sporn Award — 2019



– 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 – 2019

1. Mladen Kezunovic
2. Willis S. White



USNC

Outstanding Collective Member Award — 2019



“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 — 2019



Electric Power Research Institute

EPRI

USNC
Outstanding Collective Member Award — 2019

Texas A&M University College of Engineering



USNC
Outstanding Collective Member Award — 2019

PJM Interconnection, LLC



Nominations & Appointments Committee

1. Chris Root – Chair – VELCO
2. Chris Kelly – National Grid
3. Damir Novosel – Quanta Technology
4. Mark McGranaghan – EPRI
5. John McDonald – GE Grid Solutions



USNC Vice Presidents (Chairs of USNC Committees)

Nominations for Term Ending (TE) Through 2021:

1. Keith Lindsey (Lindsey) - Awards & Recognition
2. James Hogan (Burns & McDonnell) - Marketing & Membership
3. Chris Root (VELCO) - Nominations & Appointments
4. Chris Mertz (Dominion Energy) - Next Generation Network



USNC Officers

Term Ending (TE) Through 2020:

1. David Roop (Dominion Energy) - President
2. Mike Heyeck (USNC) - Past President
3. Don Russell (TAMU) – Secretary; VP, Administration - Secretariat
4. Chris Kelly (National Grid) - VP, Treasurer
5. John McDonald (GE Grid Solutions) – VP, Technical Activities



Executive Committee as Members at Large - Term Ending 2020

Khalid Al-Olimat (Ohio Northern University)	Terrence Donnelly (ComEd)
Clark W. Gellings	Mike Heyeck (CIGRE)
Elizabeth LaRose (GE Power)	Yilu Liu (University of Tennessee and Oak Ridge Lab)
Andrew Phillips (Electric Power Research Institute)	John D. McDonald (GE Grid Solutions)
Efrain O'Neill-Carrillo (University of Puerto Rico-Mayaguez)	Amanda Olson (Burns & McDonnell)
Dr. R. Ramakumar (Oklahoma State University)	Ramsay Stewart (Vanry & Associates)
Kevin Rapp (Cargill)	Gregory Reed (University of Pittsburgh)
Paul Roskilly (Siemens Energy Management)	B. Don Russell (Texas A&M University)
	Eric Stein (PECO Energy)

Executive Committee as Members at Large - Nominated for Term Ending 2021



Robert W. Bradish (American Electric Power)	Shay Bahramirad (Commonwealth Edison)
Samuel Barnes (Commonwealth Associates, Inc.)	Bill Bojorquez (Hunt Power, L.P.)
Jeanine Bowl (Power Systems Consultants, Inc.)	Robert Carritte (MPR Associates Inc.)
Clem Clayton (Tennessee Valley Authority)	Adrianne Collins (Southern Company Services Inc.)
Jaime De La Ree (Virginia Polytechnic Institute and State University)	Ronald Duckstein (Sediver, USA)
Randy Grass (POWER Engineers)	Jim Hogan (Burns & McDonnell)
Chris Kelly (National Grid)	Robert D. Kirkland (Leidos)
Tomas Leander (ABB Inc.)	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)	Rick O'Callahan (First Energy Corporation)
Robert O'Connell (University of Missouri)	_____ (PJM Interconnection, LLC)
Tim Qualheim (S&C Electric Company)	David W. Roop (Dominion Energy)
David Wojtczak (American Transmission Company)	Sergo Sagareli (ConEdison)
Werner Schweiger (Eversource Energy)	Richard Shaheen (Bonneville Power Administration)
Mariko Shirazi (University of Alaska–Fairbanks)	Chris Root (VELCO)

USNC – 2018 Finances



- **Revenues:**

– Individual Memberships	\$89,550.00
– Collective Memberships	\$117,000.00
– Corporate Sponsorships	\$182,500.00
Paris Reception, Grid of the Future & Colloquium	
– Conference Income	\$410,590.00
Annual Mtg., Paris, Grid of the Future & Colloquium	
	<hr/>
	\$799,640.00

- **Expenses:**

– Dues to Paris Office	\$93,941.86
– Administration/Operations	\$140,802.75
– Conferences	\$486,730.95
– Travel	\$52,349.91
– Marketing	\$11,636.72
	<hr/>
	\$785,462.19

USNC – Financial Summary – 2018

(audited and closed)

	<u>Budget</u>	<u>Actual</u>
Revenues	\$ 776,725.00	\$ 799,640.00
Expenses	\$ 727,359.29	\$ 785,462.19
Net Income	\$ 49,365.71	\$ 14,177.81

Investments:

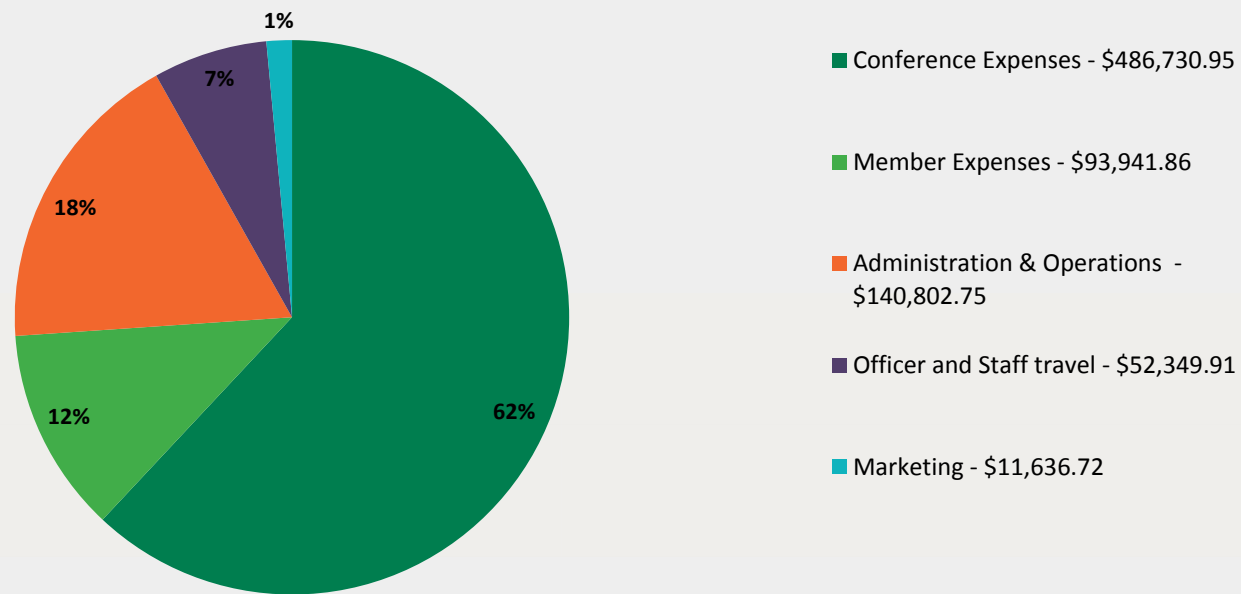
Certificates of Deposit: \$ 265,153.87



2018 Expense Breakdown



2018 Expense Breakdown



USNC Membership



	<u>2014</u>	<u>2015</u>	<u>2016</u>	<u>2017</u>	<u>2018</u>	<u>2019*</u>
Individual	528	525	608	548	622	761
Collective	39	45	57	55	51	51
Principal	(24)	(27)	(29)	(26)	(25)	(24)
Sustaining	(7)	(5)	(5)	(8)	(8)	(9)
Patron	(8)	(8)	(9)	(8)	(5)	(6)
Educational	0	(4)	(14)	(13)	(13)	(12)

* 2019 Data as of July 12, 2019

Collective – Members 2019 (to date)



Patron Members (6)

ABB	AEP Service Corporation
Dominion Energy	EPRI
GE Grid Solutions/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 2019 (to date)



Principal Members (24)

American Transmission Co. (ATC)

Bonneville Power Administration

Commonwealth Edison

First Energy Corp.

Leidos

MPR Associates, Inc.

PECO Energy

PJM Interconnections

PSC North America

Schweitzer Engineering Laboratories

Siemens Energy, Inc.

Vanry + Associates

Black & Veatch

Cargill

CTC Global

Hunt Power

Mitsubishi Electric Power Products

North American Substation Services

PingThings

POWER Engineers, Inc.

Quanta Services

Sediver USA

Southern Company

VELCO

Collective – Members 2019 (to date)



Educational Members (12)

Clemson University

Kansas State University

Missouri University of Science & Technology

Ohio Northern University

Ohio State University

Oklahoma State University

Texas A&M University

University of Alaska-Fairbanks

University of Pittsburgh

University of Puerto Rico-Mayaguez

University of Tennessee

Virginia Polytechnic Institute and State University



2019 Grid of the Future

NOVEMBER 3-6 2019 | ATLANTA, GA

HOSTED BY



Southern
Company

Next Generation Network (NGN)



30 AUGUST 2018 - PARIS, CITÉ DE LA MODE

Next Generation Network (NGN) Executive Committee



Communications:
Alyssa Blumenthal
(Con Edison)



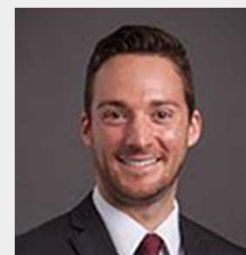
Events:
Deepak Ramasubramanian
(EPRI)
Rebecca Hilderbrand
(PJM)



Membership:
Mallory Droge
(Burns & McDonnell)
Morgan Hoffman
(Burns & McDonnell)



Professional Development:
(Webinars)
Hassaan Idrees
(Jacobs Engineering)
Joseph "JJ" Petti
(Dominion Energy)



Professional Development:
(Paper Competition)
Travis Heintzelman
(Burns & McDonnell)

Next Generation Network (NGN) Executive Committee



Marketing:
Yazan Alsmadi
(AEP)
Jenny Erwin
(Smart Wires)



International Collaboration:
Anthony Giacomoni
(PJM)
Natalie Tacka
(PJM)
Cam VanLeuven
(POWER Engineers)



Mentoring:
David Roop
(MEPPI)
Paul Collins
(Leidos)

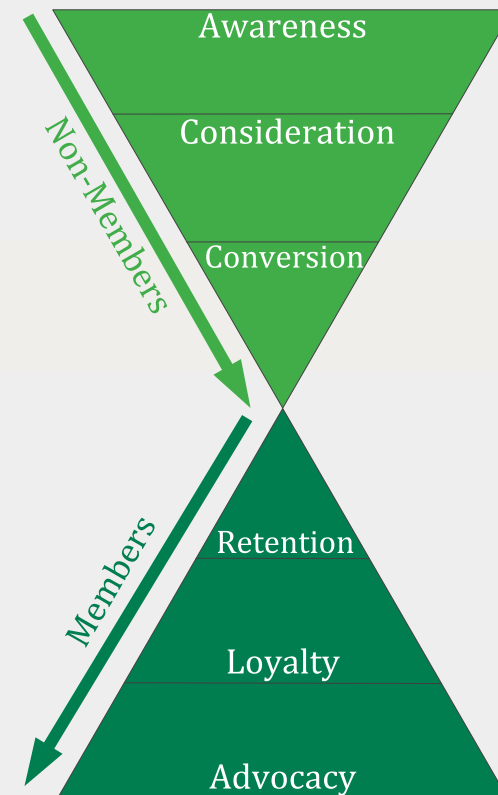


Social Media:
Nikia Munson
(Power Engineers)



Member At Large:
Mandy Olson
(Burns & McDonnell)

Next Generation Network (NGN) Focal Points



Next Generation Network (NGN) Activities – Events (Grid of the Future)



NGN Tutorial
Sunday, November 3rd
1:00 – 4:00 PM



NGN Paper Competition
Monday, November 4th
12:45 - 2:15 PM



NGN Breakfast
Tuesday, November 5th
7:00 - 7:45 AM



NGN Dinner
Tuesday, November 5th
5:30 - 7:30 PM
(invitation only)



NGN Tour
(Wednesday, November 5th)

Next Generation Network (NGN) Activities – Membership



Edition 1 | August 2018



Creating benefits in local communities and organisations the world over

Nine major CIGRE member benefits

There are many benefits in belonging to and participating within the world of CIGRE. Our members tell us that there are nine major benefits that stand out. For individual professionals, collective members and their wider organisations each benefit is enabled and substantiated by the CIGRE organisation, programme and outcomes it delivers.

01 Be prepared for the future
CIGRE's unique structure and approach plugs members in to a

03 Inform your decisions with diverse perspectives from every corner of the globe
To make optimal power system decisions at home it is essential

Missouri S&T
Rensselaer Polytechnic Institute (RPI)
University of Minnesota
Arizona State University
CUNY Macaulay Honors College
Columbia University
University of Kansas City-Missouri (UMKC)
Kansas State
University of Missouri

Next Generation Network (NGN) Activities – International Collaboration



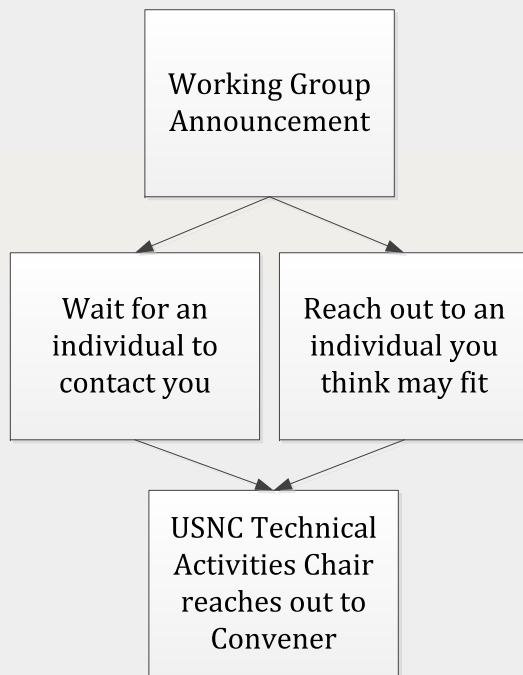
CIGRE Young Members Showcase



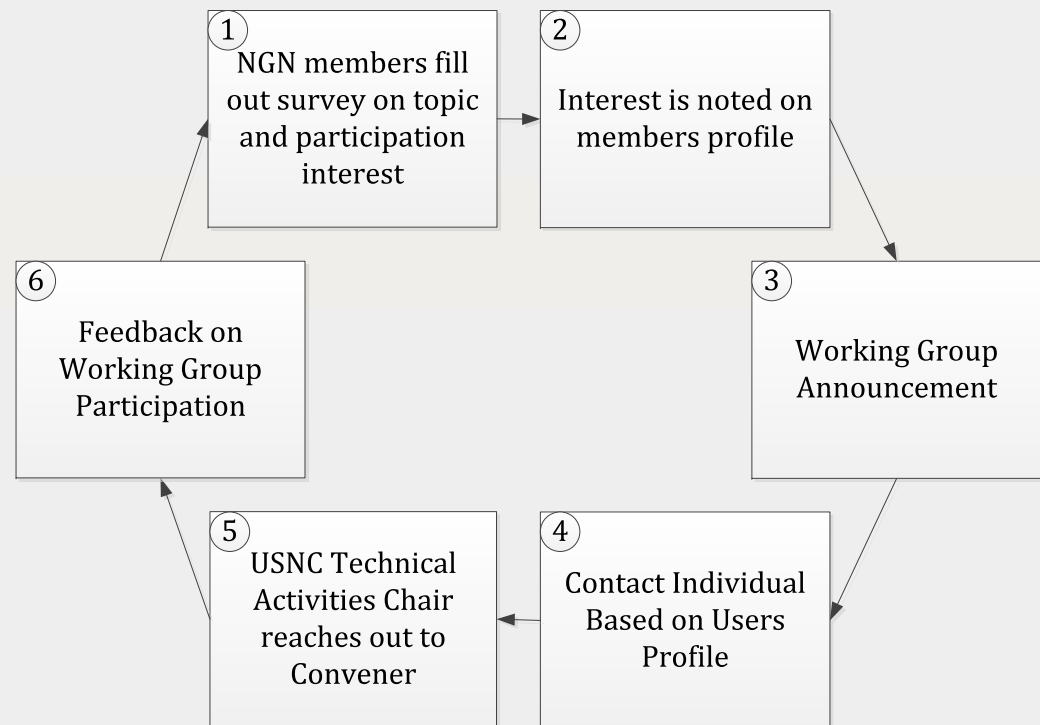
Next Generation Network (NGN) Activities – Mentoring



Old Methodology:



New Methodology:



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-Mohammad Pasha (United Illuminating) – 2014
- B2-Jennifer Havel (BPA) – 2014
- B3-John Randolph (PG&E) – 2012
- 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) – 2020
- D2-Chen-Ching Liu (Virginia Tech) – 2020

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



- A1-Hugh Zhu (Doble Engineering) - 2018
- A2-None
- A3-None
- B1-Rusty Bascom (Electrical Consulting Engineers) – 2018
- B2-Doug Proctor (Proctor Engineering) – 2018
- B3-None
- B4-David Roop (MEPPI) – 2018
- B5-Mladen Kezunovic (Texas A&M University) – 2018

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



- C1-Russ Gentile (Sargent & Lundy) – 2018
- C2-None
- C3-Regina-Guofang Gao (ABB) – 2018 (Observer)
- C4-None
- C5-None
- 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 2020 Grid of the Future (GOTF) Paper Process

- Call For Papers
 - Theme: Technology for the 21st Century Electric Utility
- No Abstract Step – Full Papers Only – Submitted by August 9, 2020
- Use Paper Preparation Template

GOTF Paper Evaluation Process

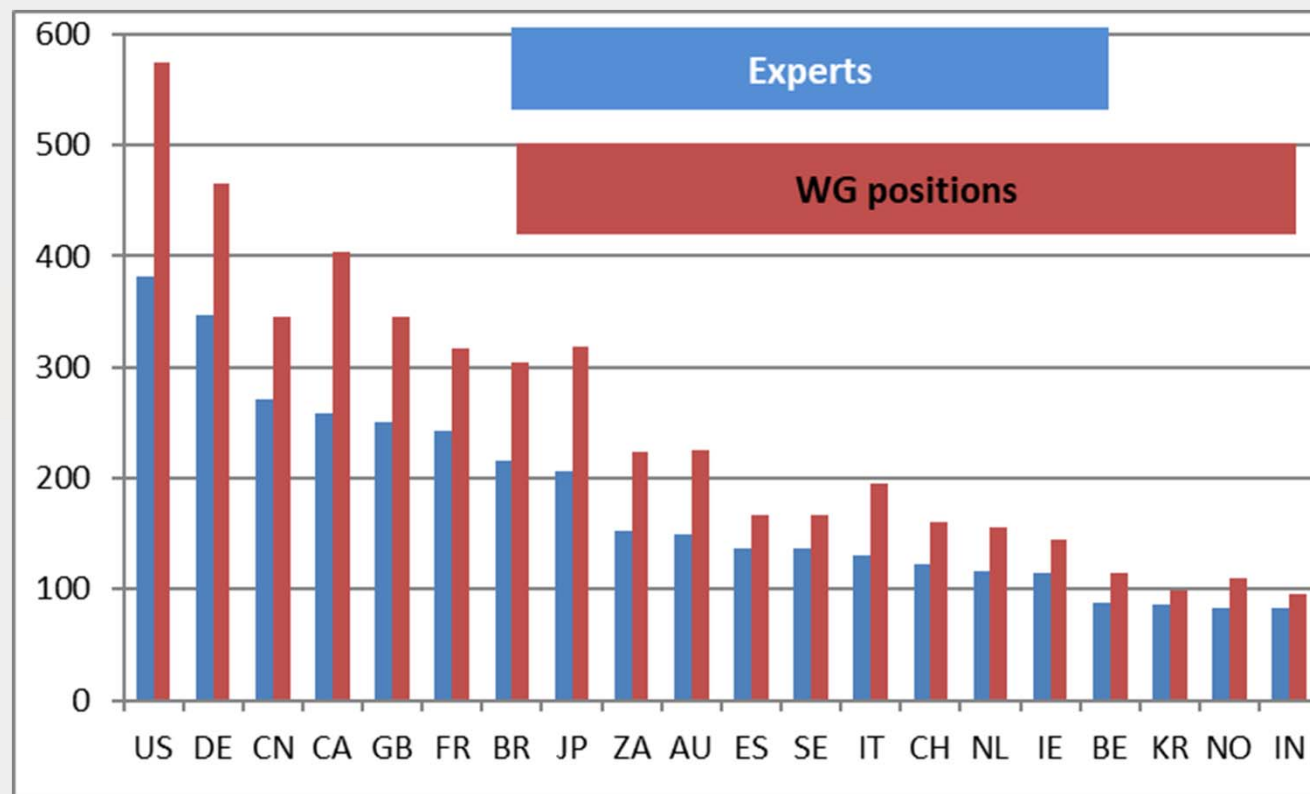
- Submitted Papers Forwarded to USNC Study Committee Reps for their Advisory Committee Review
- Evaluation Criteria
 - Novel and Innovative Technical Content (Concept with Implementation Results)
 - Clarity of Paper
 - No Commercialism
 - Adherence to Required Formatting (Use Paper Preparation Template)

Working Groups/Task Forces Member Selection Process

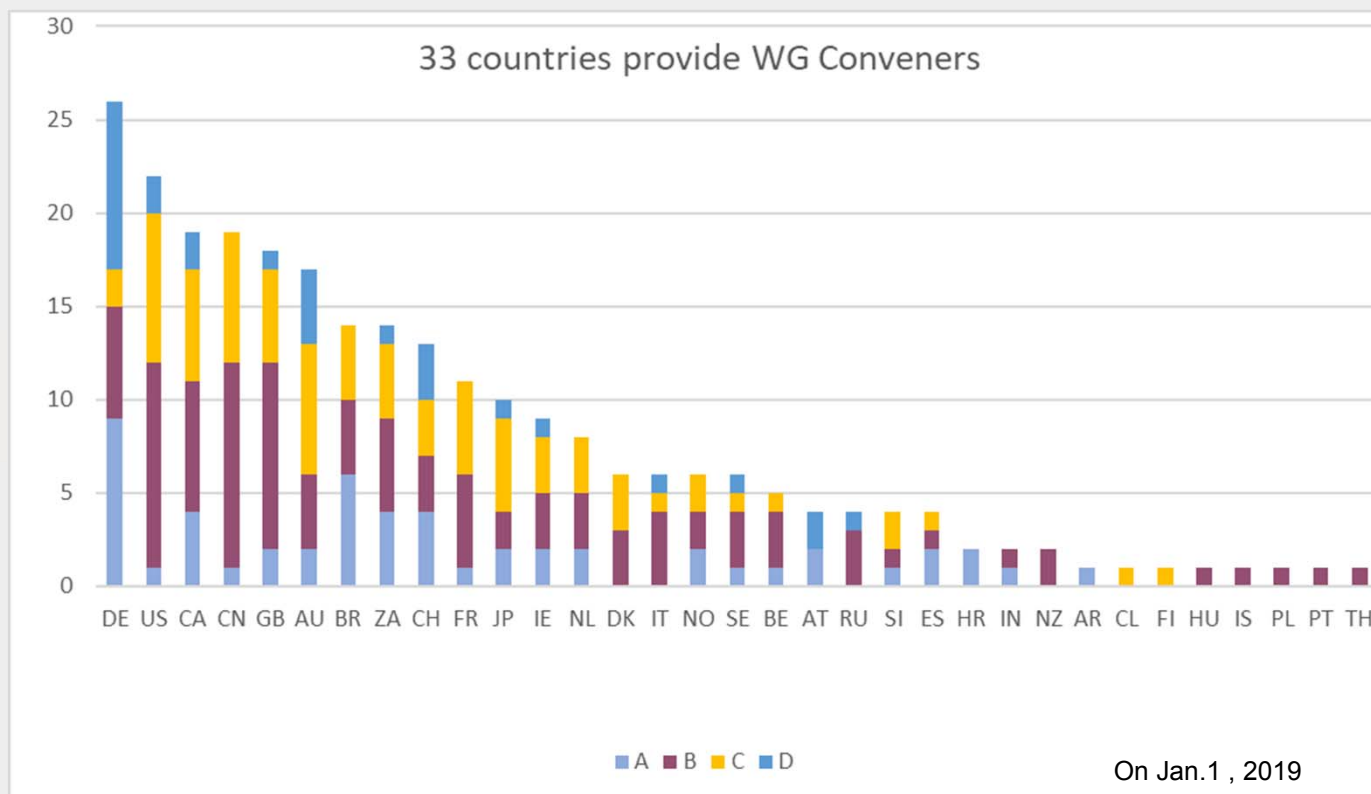
- Interested candidates must have Individual Member dues paid and send CV
- Obtain email address for new WG Convener and submit candidates' CVs directly to Convener
- Request Convener to confirm candidates' membership
- If no USNC candidates interested in a new WG, will ask new WG Convener for knowledge 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 WG" within the USNC

Synthesis of the 2018 Review

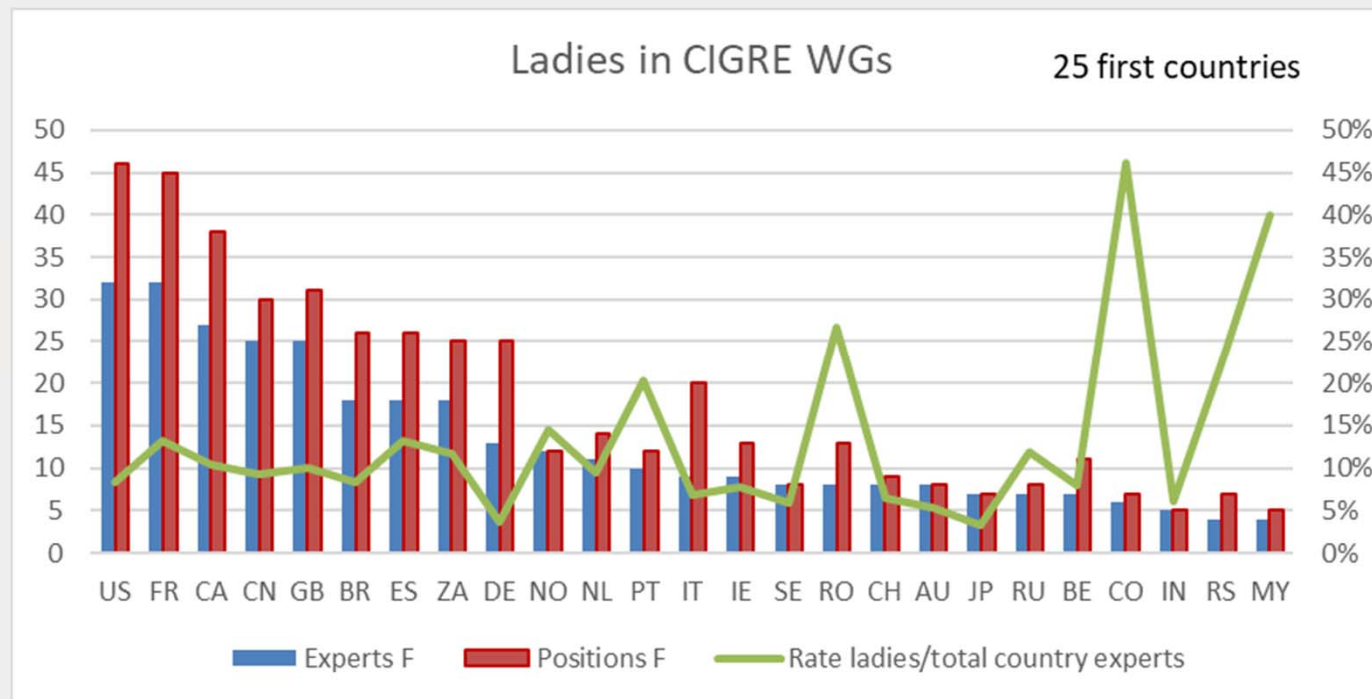
20 first countries



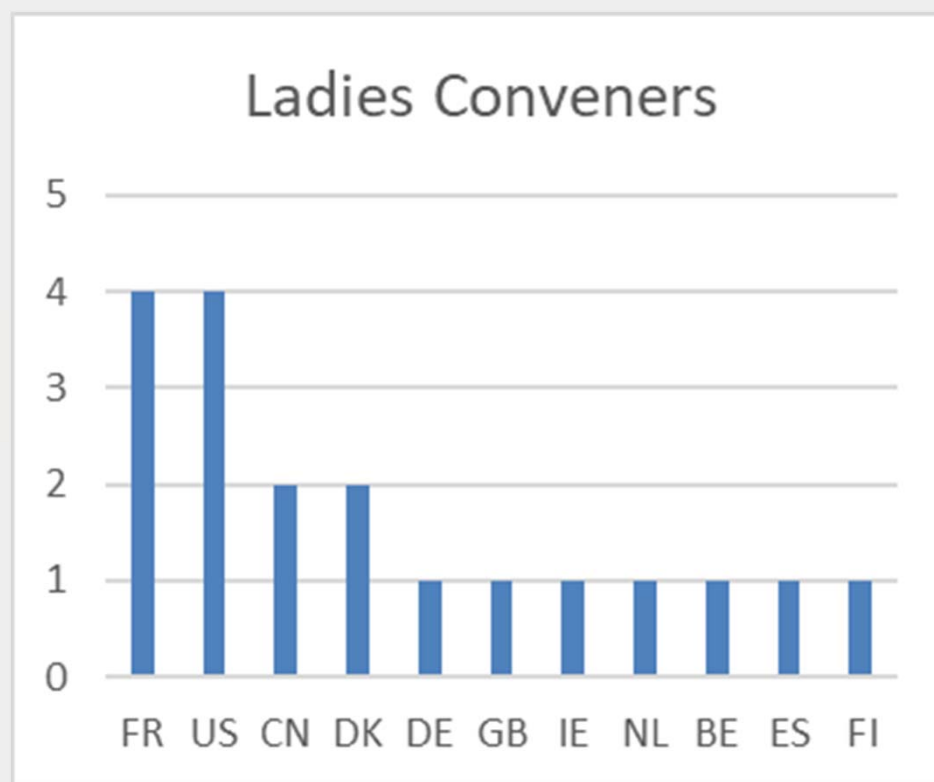
Working Group Conveners' Origins



Place of Women in CIGRE



Place of Women in CIGRE



Future CIGRE Meetings



2019 Events

GOTF – Atlanta, GA., November 3 – 6

Paper Submittals Due

(Host – Southern Company)

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. *Become a Collective Member*

4. *Become a SPONSOR*

- *GOTF*
- *Paris*



Big thank you!

Sharon Loe
Jessica Meadors



“The voice of CIGRE to our membership”