

## Accelerating operational excellence in the African electric power sector.



**The Africa Utility Power Sector Exchange (AUPSE) is improving the operational performance of African electric companies. This mission is accomplished through international executive dialogue, the delivery of curated and relevant knowledge resources, and peer-to-peer connections with Edison Electric Institute’s global network of more than 250 electric companies.**

“AUPSE provides Africa’s electric companies direct access to their peers around the world. By engaging in international electricity dialogues, African electric companies can continue to strengthen their operations and accelerate innovation through the exchange of industry insights, trends, best practices, and lessons learned - a driver to the utility of the future.”

**- Abel Tella,  
Director General, Association of Power Utilites of Africa**



## AUPSE *by the Numbers*

**250** Participating African electric companies have access to an international network of 250 electric companies in every region across the globe.

**3** EEI hosted three major AUPSE events in Washington, D.C., convening more than 300 representatives from across industry, government, finance, and other sectors to discuss strategies to improve operational performance and accelerate technology adoption.

**3** Three African electric companies have signed Memorandums of Understanding with EEI - Ghana Grid Company (Ghana), Electricity Generation Company (Malawi), and Rede Nacional de Transporte (Angola).

**5** Five CEO and Senior Executive AUPSE roundtables were held in the United States and South Africa convening more than 50 executives from over 30 countries to discuss financial sustainability, investment, cybersecurity, electrification, key performance indicators, stakeholder engagement, and clean energy, among other topics.

**50** EEI published more than 50 brochures, fact sheets, reports, and other resources to assist AUPSE participants in engaging stakeholders on key issues such as energy storage, workforce development, cybersecurity, permitting and siting, customer solutions, codes and standards, as well as many other topics.

**350** Over 350 on-demand curated resources including webinars, reports, white papers, and case studies are available to AUPSE participants through EEI's Global Utilities Platform - an online industry research repository.

# Strategic Dialogue *Highlights*



## AUPSE CEO Roundtable

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**Location:** Washington, D.C., United States | **Date:** April 12, 2018

EEl hosted a 2018 AUPSE Roundtable, convening more than 15 executives from around the world to discuss and share best practices and lessons learned on creating and meeting key performance indicators, accelerating investments in new grid infrastructure, and adopting new technologies.



## Strategic Discussion and Workshop at GRIDCo

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**Location:** Accra, Ghana | **Date:** March 11, 2019

EEl held a strategic discussion and workshop at GRIDCo headquarters with GRIDCo's executive leadership team and technical staff on the grid planning and operational requirements to prepare for renewables integration and to share insights on the applications for unmanned aircraft systems to improve transmission operations.



## Global Electrification Forum Executive Dialogue

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**Location:** Washington, D.C., United States | **Date:** April 9, 2019

More than 50 executives from Africa, Asia, United States, Canada, Europe, and Oceania participated in a one-day dialogue focused on new customer engagement strategies and tools, stakeholder engagement strategies, and emerging electric company business models.

“Joining AUPSE is a great opportunity for GRIDCo to be a part of an international network of peers and to share insights and best practices on our key operational priorities. We are confident our participation in AUPSE will be extremely beneficial to enhance our strategic planning this year and in the years to come.”

- Jonathan Amoako-Baah, CEO, Ghana Grid Company Limited



# Knowledge Resources

*Sharing leading electric company practices and providing curated information and insights*

## **2018 -2019 Global Webinar Series topics included:**

How to Align Key Performance Indicators to Your Organization's Strategy

Weathering Any Storm: Preparing for and Responding to Mother Nature's Fury

Electric Power Industry Storm Response Strategy and Policy Review

Electric Company Strategies for Reducing Climate and Weather-Related Vulnerabilities

Smart Internet of Vehicles EV Charging Network

Leading Electric Company Innovation Through Private Equity Investment

ESG/Sustainability Reporting Driven by Investors: The EEI Template

Energy Storage Innovation and Strategies for Battery Deployment

Understanding the Federal Energy Regulatory Commission (FERC 101)

Power Changes: Innovations in Demand Response



A combined audience of over **250** industry stakeholders participated

## **Global Utilities Platform**

An online portal for information exchange, networking, and access to key industry documents and reports for electric company personnel. AUPSE participants can communicate with electric companies from around the globe and access on-demand resources including webinars, reports, white papers, and other resources.

**200 + Active Users**



# Looking Ahead...

In 2019, EEI will continue to convene dialogues and deliver on-demand resources to AUPSE participants on priority topic areas selected by African electric company executives during previous dialogues.

## Some of the priority topic areas include:

- » Adopting innovative technologies (eg. smart meters, storage, unmanned aircraft systems, IoT, automation etc.)

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- » Strengthening stakeholder engagement strategies (eg. customers, regulators, shareholders, Investors etc.)

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- » Planning for renewables integration

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- » Cyber and physical security preparedness and response

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## Upcoming dialogue:

AUPSE Dialogue at Africa Utility CEO Forum

**Location:** Cape Town, South Africa | **Date:** May 15, 2019

More than 30 African electric power company executives will convene in Cape Town during the Utility CEO Forum. EEI is hosting an AUPSE dialogue during the Forum where three former executives from the U.S., Europe, and Australia will exchange insights, practices, and lessons learned on the electricity challenges facing the African electric power sector. EEI hosted a roundtable in 2018 with the Utility CEO Forum on strategies to create financially viable electric companies.



# Power by Association

## 2019 Edison Electric Institute Electric Company Network

### Africa & Middle East

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AES South Africa, Compagnie Ivoirienne d'Electricité, Electricity Generation Company (Malawi), Ghana Grid Company, Gulf Cooperation Council Interconnection Authority, Rede Nacional de Transporte, Irbid District Electricity

### Asia

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AES Philippines, CESC Limited, Chubu Electric Power, China Southern Power Grid, J-POWER, Kansai Electric Power, Korea Electric Power, Power Assets Holdings, State Grid Corporation of China, Tohoku Electric Power, Tokyo Electric Power

### Caribbean & Latin America

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Barbados Light and Power, Belize Electricity, Bermuda Electric Light, Caribbean Utilities, CEMIG Dominica Electricity Services, EGE Haina, FortisTCl, Jamaica Public Service, St. Lucia Electricity Services, St. Vincent Electricity Services

### Europe

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AES Netherlands, Électricité de France, Energias de Portugal, Electricity Supply Board, Iberdrola, National Grid, Red Eléctrica de España, UK Power Networks

### North America

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AES Corporation, Alectra, ALLETE, Alliant Energy, Altalink, Ameren Corporation, American Electric Power, American Transmission Company, APR Energy, ATCO Electric, AVANGRID, Berkshire Hathaway Energy, Black Hills Corporation, Brookfield Power, Capital Power, CenterPoint Energy, Central Hudson Gas & Electric, Cleco Corporate Holdings, CMS Energy, Comisión Federal de Electricidad, Consolidated Edison, Cross Texas Transmission, Dominion Energy, DTE Energy, Duke Energy, Duquesne Light Company, Edison International, El Paso Electric, Emera, ENMAX, Entegrus Powerlines, Entergy Corporation, Evergy, Eversource Energy, Exelon

## North America (Continued)

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Corporation, FirstEnergy Corp, Florida Public Utilities, Fortis Inc., FortisAlberta, FortisBC, FortisOntario, Green Mountain Power, Hawaiian Electric Industries, Hydro One, Hydro Ottawa, Hydro-Québec, IDACORP, InfraREIT, ITC Holdings, Liberty Utilities, Maritime Electric, MDU Resource Group, MGE Energy, Mt. Carmel Public Utility Company, National Grid, Newfoundland Power, NextEra Energy, NiSource, NorthWestern Energy, Nova Scotia Power, OGE Energy Corporation, Ohio Valley Electric Corporation, Oncor, Otter Tail Corporation, Ontario Power Generation, PG&E, Pinnacle West Capital Corporation, PNM Resources, Portland General Electric, PPL, Public Service Enterprise Group, Puget Sound Energy, San Diego Gas & Electric, SaskPower, Sharyland Utilities, Southern Company, Tampa Electric an Emera Company, Toronto Hydro, TransAlta, UGI Corporation, UNS Energy Corporation, Upper Peninsula Power Company, Vermont Electric Power Company, WEC Energy Group, Xcel Energy

## Oceania

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Energy Queensland, Jemena, Orion New Zealand, Powerco, SA Power Networks, TasNetworks, Transpower New Zealand, Unison Networks Ltd., United Energy & Multinet Gas, Wellington Electricity

## Founding Partners



## Supporting Partners







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