

Meeting Minutes

Oct. 7, 2020

GWAC Members

David Forfia, GWAC Chair

Ron Ambrosio, Independent Energy Transformation Professional

Tanya Barham, Principal, Community Energy Labs

Ron Bernstein, President, RBCG, LLC

Andrew Bordine, VP Energy Mkts & Innovation, Anterix

Ron Cunningham, American Electric Power

Gerald R. Gray, Sr. Program Manager, Electric Power Research Institute (EPRI)

Lorenzo Kristov, Principal, Electric System Policy, Structure, Market Design

Stuart McCafferty, President, GridIntellect

Farrokh Rahimi, Senior Vice President, Open Access Technology International, Inc.

Aaron Snyder, Director of Grid Technology Consulting, EnerNex

Leonard Tillman, Partner, Balch & Bingham, LLP

GWAC Members not present

Stephen Knapp, Vice President of Quality Assurance & Energy Markets, Power Analytics Corporation

GWAC Associates & Emeritus

Kay Aikin, CEO, Introspective Systems

Rahul Bahadur, Mgr. of Engineering, VMWare

Mark Knight, Burns & McDonnell

James Mater, QualityLogic, Inc.

Mark Paterson, Strategen

Chris Villarreal, President, Plugged In Strategies

Ken Wacks, Home, Building & Utility Systems

GWAC Guests

Larisa Dobriansky, General Microgrids, Inc.

David Katz, Sustainable Resources

Jaime Kolln, PNNL

Hayden Reeve, PNNL

Elizabeth Sisley, Calm Sunrise Consulting, LLC

David Toquica, LIREI, Univ. of Quebec

Wade Troxel, CSU

David Wollman, NIST

PNNL Support

Ron Melton, PNNL, Administrator

Karen Studarus, PNNL Administrator

Susan McGuire, GWAC Coordinator

Meeting Minutes

Oct. 7, 2020

GWAC Administration

Karen Studarus opened the GWAC business meeting portion of the Virtual Fall meeting at approximately 2:45pm. She introduced herself as the new GWAC Administrator and noted that she is a Power Systems Engineer.

GWAC Chair David Forfia asked for a motion to approve the September meeting minutes. Gerald Gray gave the motion to approve the minutes and Farrokh Rahimi seconded the motion. There were no objections and the minutes were approved.

Karen asked Stuart McCafferty for more information about his proposal for a guest speaker at the November GWAC meeting. Stuart has invited Michelle James, Vice President of CTIA, a wireless industry consortia to speak to the GWAC. He noted that Michelle established CTIA's Smart Cities Business & Technology working group.

Karen reviewed the upcoming conference and events and asked the GWAC to help keep us informed of upcoming meetings that are relevant to the GWAC, particularly considering the many changes due to the COVID pandemic.

Conferences and Events

(**Bold** = GWAC speakers, **blue** = complete since last GWAC meeting)

- **2020 TE Theory Workshop, hosted by Don Hammerstrom, PNNL Sept. 14, 16, 17 – Virtual Workshop 2 on Resilience will combine with the Sept. GWAC Monthly Meeting**
- **SEPA Working Groups Meeting, September 22 – 24, 2020, Virtual**
- **GWAC Fall (formerly F2F) Meeting, October 7 – 8, 2020, Virtual TODAY**
- ~~IEEE PES T&D Power Forward 2020, Chicago, October 12 – 15, 2020 (cancelled)~~
- **IEEE (GWAC) TESC 2020, Virtual - December 8 – 10, 2020**
- **AHR Expo 2021, Chicago, IL, January 25 – 27, 2021**
- **IEEE ISGT 2021, Washington, DC, February 15 – 18, 2021 – now Virtual**
- IEEE PES General Meeting 2021, July 25-29, 2021 Washington, DC
- Solar Power International (SPI) Sept. 14 – Oct. 27 (SPIE affiliated)
- NCEP (NARUC) Virtual Meeting – week of Dec. 7

Meeting Minutes

Oct. 7, 2020

TESC2020

Karen gave the group a summary of planning activities for TESC2020 and noted that planning is continuing. Farrokh Rahimi noted that papers and panel abstracts have been reviewed.

A Keynote presentation will be given by Chris Irwin, DOE, Erika Gupta, DOE and Alejandro Moreno, DOE. The title of the presentation is, “Communities of Profit VS Communities of Purpose ... and other Grid Myths.”

The conference registration link will be online very soon, and an announcement will go out.

The IEEE social media coordinator is working with TESC 2020 organizers to help promote the meeting through social media channels. She asked that GWAC members help by sharing these links.

David Forfia asked about the sponsorship prospectus. Karen replied that a draft has been created and it is expected to go out very soon.

Pre-Conference Tutorials - Monday December 7, 2020					
Session 1		Session 2			
8am-10am Pacific Time	11am-1pm Eastern	12-2pm Pacific	3-5pm Eastern		
Tutorial Part 1: Transactive Energy Fundamentals		Tutorial Part 2: Grid Architecture Fundamentals			
Conference Day 1 - Tuesday December 8, 2020					
Session 1		Session 2		Session 3	
8am-10am Pacific	(11am-1pm Eastern)	10:30-12 PT	(1:30-3pm ET)	12:30-2 PT	(3:30-5 ET)
Welcome + DOE Keynote Panel and Workshop		Drivers of Change Panel and Workshop		System Design and Architecture Panel and Workshop	
GWAC Foundational Session 60 minutes		Cunningham/Forfia		Gray/Bernstein	
Conference Day 2 - Wednesday December 9, 2020					
Session 1		Session 2		Session 3	
8am-9:30 Pacific	(11-12:30 ET)	10am - 11:30 Pacific	(1pm-2:30 ET)	noon-2 Pacific	(3-5 ET)
Implementation Examples Panel and Workshop		Business Models and Value Realization Panel and Workshop		Virtual Poster Session with Live Chat	
Snyder / McCafferty		Bordine/Tillman			
Conference Day 3 - Thursday December 10, 2020					
Session 1		Session 2		Session 3	
8am-9:30 am Pacific	11-12:30 Eastern	10-11:30 AM	1-2:30pm Eastern	12-2PM ET	
Resilience Panel and Workshop		Regulatory and Policy Panel and Workshop		Visions for Participation Panel and Workshop	
Ambrosio/Melton		Aikin/Kristov		Barham/Kristov	
Conference Closing Session					

Meeting Minutes

Oct. 7, 2020

Farrokh Rahimi thanked all the TESC 2020 abstract and paper reviewers.

David Forfia thanked Ken Wacks for getting the GWAC TE Framework and Roadmap documents approved for distribution as an international technical document with the ISO/IEC.

GWAC Projects – October 2020 Update

Project	TE FAQ	Smart Buildings as Transactive Hub White Paper	TESC Conference	Grid Future States Update
Scope	Short document reiterating key features of TE systems as documented in TE Framework, etc.	Discuss use case for building integration with grid and how/what a TE model might look like	Annual GWAC sponsored conference focused on Transactive Energy and related topics	Update Grid 3.0 Future States
Audience	Policy, Regulators, Legislators, TE Practitioners	Building owners, energy managers, utilities, end users	Decision makers, solution providers, labs, academics, policy, solution providers	Industry Stakeholders
Status	Short form complete	Published	Program structure created for virtual or F2F	Started in January. Now meeting regularly. Coordinating with GMLC Grid Architecture results
Actions	Post to new website	Address peer review comments	Promote conference, work on identifying and recruiting keynote(s) and plenary panels	Working group is gathering inputs and organizing material, engaging full council
Leadership	Tanya Barham	Ron Melton, Ron Bernstein	Various – Ron Melton Lead	Ron Cunningham, Karen Stularus

Tanya Barham said the long version of the GWAC TE FAQ is complete but needs an editorial review. Karen will talk with her later about this effort.

Action: Karen and Tanya to meet regarding the long version of the FAQs.

In the interest of time, the Liaison reports were tabled until later.

Ron Cunningham thanked everyone for their participation today.

David Forfia adjourned the business portion of the GWAC October meeting.