

Meeting Minutes

Sept. 16, 2020

GWAC Members

David Forfia, GWAC Chair

Ron Ambrosio, Independent Energy
Transformation Professional

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)

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

Tanya Barham, Principal, Community Energy
Labs

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

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

Stuart McCafferty, President, GridIntellect

GWAC Associates & Emeritus

Kay Aikin, CEO, Introspective Systems

Rahul Bahadur, Mgr. of Engineering, VMWare

Mark Knight, Burns & McDonnell

James Mater, QualityLogic, Inc.

GWAC Guests

Larisa Dobriansky, General Microgrids, Inc.

Hayden Reeve, PNNL

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

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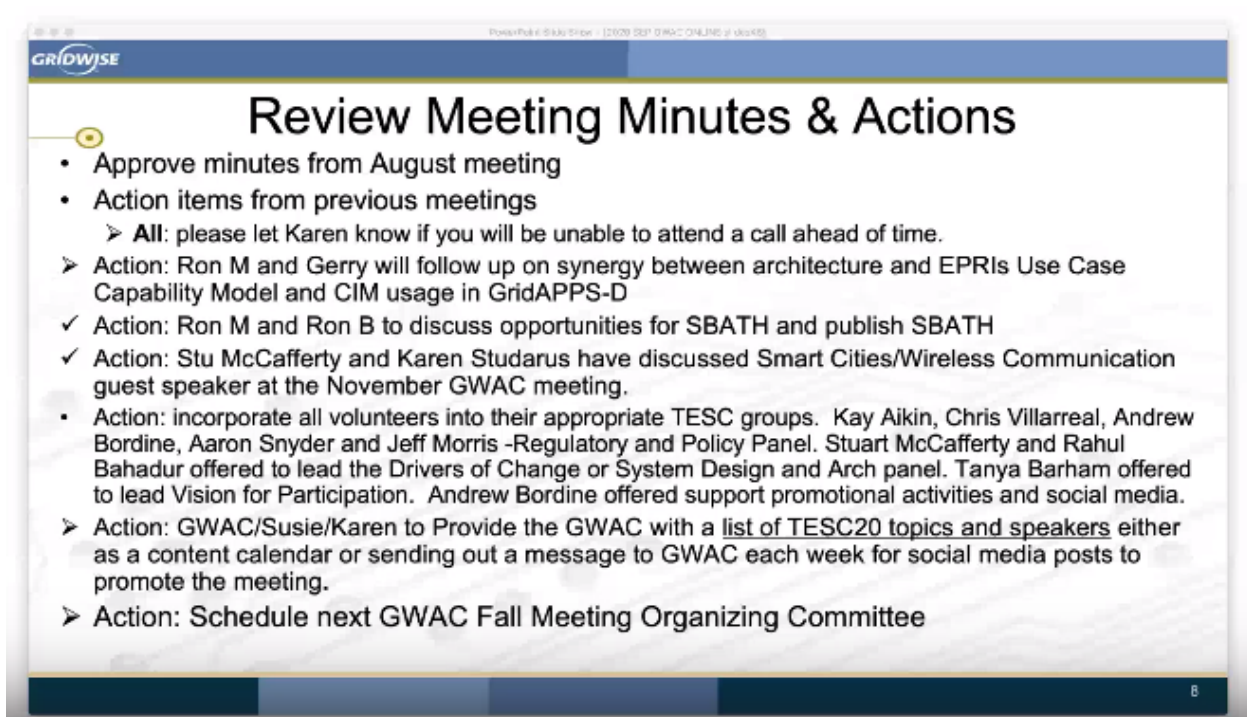
GWAC Administration

Ron Melton reminded everyone of the TE Theory Workshop #2 that will start at 10:00am this morning for any GWAC participants that are interested.

David Forfia noted that a quorum was reached at 9:32am.

David Forfia noted that he had a couple minor edits to the meeting minutes for August that he will email to Susie.

Farrokh Rahimi gave the motion to approve the minutes with David's edits and Leonard Tillman seconded the motion. The notes were unanimously approved.



The image is a screenshot of a presentation slide. At the top left, there is a logo for 'GRIDWISE'. The title of the slide is 'Review Meeting Minutes & Actions'. Below the title, there is a list of action items and updates. The list includes: 'Approve minutes from August meeting', 'Action items from previous meetings' (with a sub-item for 'All' to let Karen know about attendance), 'Action: Ron M and Gerry will follow up on synergy between architecture and EPRIs Use Case Capability Model and CIM usage in GridAPPS-D', 'Action: Ron M and Ron B to discuss opportunities for SBATH and publish SBATH', 'Action: Stu McCafferty and Karen Studarus have discussed Smart Cities/Wireless Communication guest speaker at the November GWAC meeting.', 'Action: incorporate all volunteers into their appropriate TESC groups. Kay Aikin, Chris Villarreal, Andrew Bordine, Aaron Snyder and Jeff Morris -Regulatory and Policy Panel. Stuart McCafferty and Rahul Bahadur offered to lead the Drivers of Change or System Design and Arch panel. Tanya Barham offered to lead Vision for Participation. Andrew Bordine offered support promotional activities and social media.', 'Action: GWAC/Susie/Karen to Provide the GWAC with a list of TESC20 topics and speakers either as a content calendar or sending out a message to GWAC each week for social media posts to promote the meeting.', and 'Action: Schedule next GWAC Fall Meeting Organizing Committee'. The slide has a blue header and footer.

Action item review

Ron M. noted he still needs to talk with Gerald Gray about PNNL and EPRI synergy on grid architecture, CIM and GridAPPS-D.

Action Susie: Schedule the next GWAC Virtual Fall meeting of the organizing committee (last meeting was Sept. 2) (complete)

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GWAC Website Refresh

Karen - GWAC site (delay due to staffing issues) but well underway and on budget.

GWAC Matrix

No updates to the matrix

TESC2020 Update

The publication committee is now well underway - reviewers are ready to start reviewing papers. Farrokh commented If anyone needs to revise and resubmit their paper, we need to be sure to give authors ample time to make their corrections. He said there is a sheet where reviewers can provide comments and suggestions for the authors.

Farrokh will lead the process for communicating with authors for revise and resubmit if needed.

Ron said Chris Irwin is on board with the TESC20 DOE panel and he will work with the other two speakers (Moreno, Gupta).

Ron said there will not be 3 plenary talks because at the last meeting it was decided that we want to play the plenary presentations during the meeting (they would be pre-recorded). So, with the extra time there will not be 3. Either 1 or 2 plenaries.

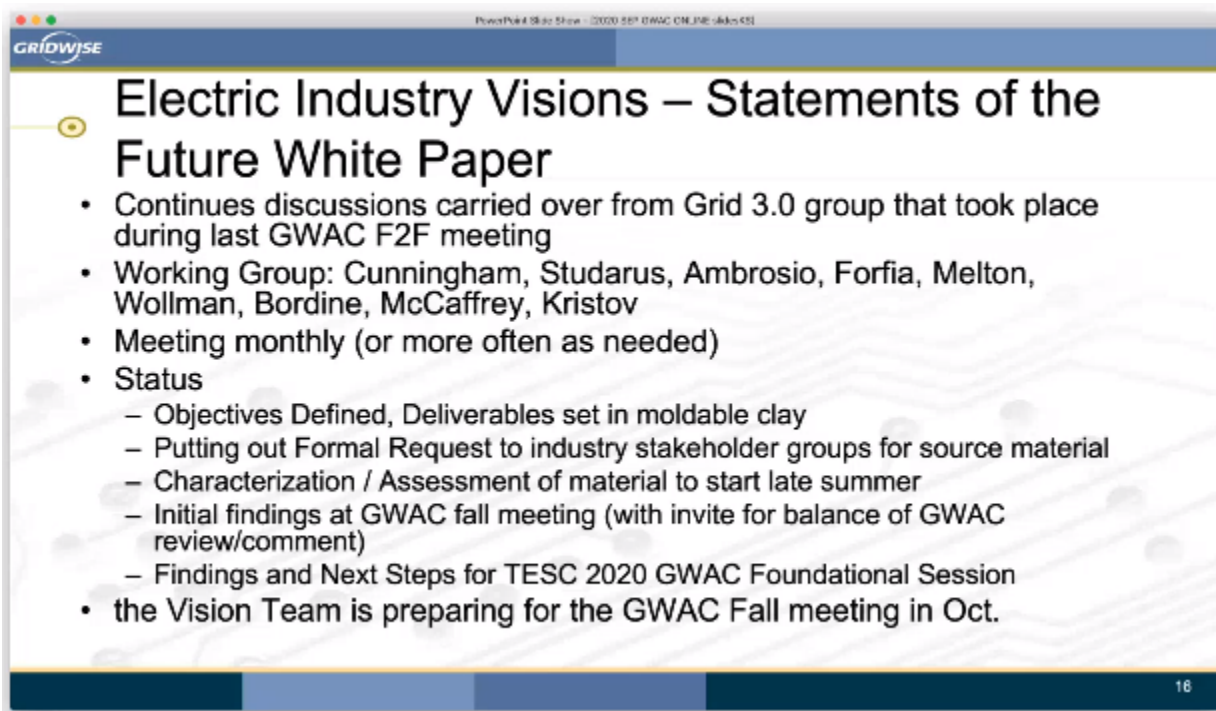
Ron said IEEE has approved the TESC20 budget. Now we will get Registration posted.

Ron said it is time to start promoting the event. We can use help with promotion and sponsorship efforts. Please let Karen and Ron know if you can help.

Karen noted that she and Roseanne Jones had a discussion yesterday with IEEE's social media person to start a social media campaign on Facebook and on Linked in support of the TESC2020 conference. She is very encouraging and dynamic. She will use Facebook and LinkedIn. She'll have a plan for the organizing committee's approval next week based on the materials and guidance I shared yesterday.

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The image is a screenshot of a presentation slide. At the top left, there is a logo for 'GRIDWISE'. The title of the slide is 'Electric Industry Visions – Statements of the Future White Paper'. Below the title, there is a bulleted list of items. The list includes: 'Continues discussions carried over from Grid 3.0 group that took place during last GWAC F2F meeting', 'Working Group: Cunningham, Studarus, Ambrosio, Forfia, Melton, Wollman, Bordine, McCaffrey, Kristov', 'Meeting monthly (or more often as needed)', 'Status' (with sub-bullets: 'Objectives Defined, Deliverables set in moldable clay', 'Putting out Formal Request to industry stakeholder groups for source material', 'Characterization / Assessment of material to start late summer', 'Initial findings at GWAC fall meeting (with invite for balance of GWAC review/comment)', 'Findings and Next Steps for TESC 2020 GWAC Foundational Session'), and 'the Vision Team is preparing for the GWAC Fall meeting in Oct.'. The slide has a blue header and footer, and a white background with a faint circuit pattern.

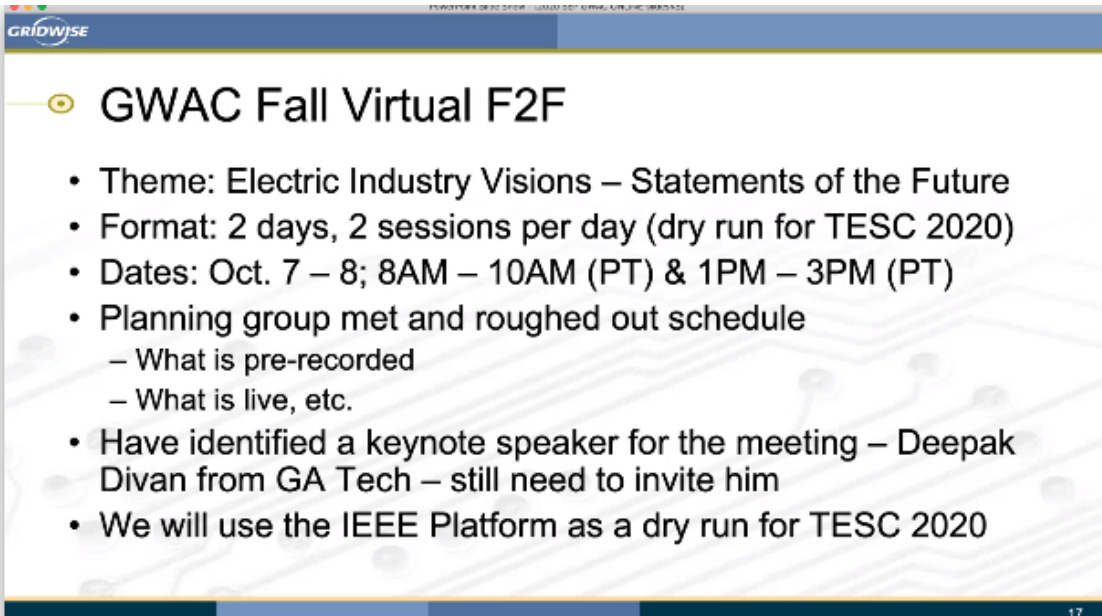
- Continues discussions carried over from Grid 3.0 group that took place during last GWAC F2F meeting
- Working Group: Cunningham, Studarus, Ambrosio, Forfia, Melton, Wollman, Bordine, McCaffrey, Kristov
- Meeting monthly (or more often as needed)
- Status
 - Objectives Defined, Deliverables set in moldable clay
 - Putting out Formal Request to industry stakeholder groups for source material
 - Characterization / Assessment of material to start late summer
 - Initial findings at GWAC fall meeting (with invite for balance of GWAC review/comment)
 - Findings and Next Steps for TESC 2020 GWAC Foundational Session
- the Vision Team is preparing for the GWAC Fall meeting in Oct.

Future States

Ron Cunningham reported that the Visions Team is preparing content for the GWAC fall meeting; they are very busy with that as it is coming up fast. They are looking forward to getting feedback from the Fall Meeting to use for the discussion at TESC2020 in December.

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The image is a screenshot of a presentation slide from the GridWise Architecture Council. The slide has a blue header with the GridWise logo on the left. The main content is a white box with a blue border containing a title and a bulleted list. The title is 'GWAC Fall Virtual F2F'. The list includes: Theme: Electric Industry Visions – Statements of the Future; Format: 2 days, 2 sessions per day (dry run for TESC 2020); Dates: Oct. 7 – 8; 8AM – 10AM (PT) & 1PM – 3PM (PT); Planning group met and roughed out schedule (with sub-points: What is pre-recorded, What is live, etc.); Have identified a keynote speaker for the meeting – Deepak Divan from GA Tech – still need to invite him; We will use the IEEE Platform as a dry run for TESC 2020. The slide number '17' is visible in the bottom right corner.

GWAC Fall Virtual F2F

- Theme: Electric Industry Visions – Statements of the Future
- Format: 2 days, 2 sessions per day (dry run for TESC 2020)
- Dates: Oct. 7 – 8; 8AM – 10AM (PT) & 1PM – 3PM (PT)
- Planning group met and roughed out schedule
 - What is pre-recorded
 - What is live, etc.
- Have identified a keynote speaker for the meeting – Deepak Divan from GA Tech – still need to invite him
- We will use the IEEE Platform as a dry run for TESC 2020

Ron M. said that Deepak Divan is willing to speak at the fall meeting, he is from Georgia Tech in the Distributed Energy Center. His name came up in TESC 2020 discussions.

Karen said IEEE will allow us to use the same platform for the Fall meeting that we will use for TESC2020. On24 is what IEEE typically uses but they are also using Engages. Karen noted that Engages works very well for discussions and live interactions. Whichever we use for this meeting we will use for TESC2020.

Liaison Reports

NIST - David Wollman - the NIST framework 4.0 is available. They are expecting a federal register notice to come out at the end of this week (Sept.18). That will be the kickoff for the formal review. They are expecting NIST to do a reorganization and it may create some changes for David's group. Currently they are the engineering lab but some of what they do may need to be moved to another group.

The SEPA working group meetings are coming up next week. The Working Groups will present on their work. Ron Melton and Ron Cunningham are hoping to attract some new members to the Grid Architecture working group. Likewise, Mark Knight will be hoping to add some new members to the TE Working Group.

EPRI - Gerald Gray said that he was the technical editor for a DERMS standard 61968-5. It is the distributed energy optimization - the enterprise API for DERMS standard was voted to be approved. It has been edited and is ready for publication. It is now officially a standard and should be available from the IEC webstore.

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Gerry told Farrokh that Hanna Davis and Mica Sweeny lead the Utility blockchain interest group. They - have just distributed a white paper on distributed ledger technology and its application to distributed systems operations - it is a call back to something published about four years ago by Farrokh Rahimi and a colleague published in Fortnightly that talks about the different levels of DSO services. Gerald commented that it was a very useful document that talks about what a DSO is or does based on their role at the utility. So, the new paper layers onto this original paper. Gerald put something about it on Linked in with a link. It is publicly available at no cost.

Linked In post by Gerald

Gray: <https://www.linkedin.com/feed/update/urn:li:activity:6711671419455070208/>

ASHRAE Ron Bernstein - the ASHRAE and Consumer Technology meetings are happening in the next two weeks. There was a brain storming activity that he and Ken Wacks attended on next generation and grid interactive services and what they would look like in the future for home and buildings. We will incorporate some of the GWAC activities such as the SBATH paper into that group.

IEEE PES General Meeting - Farrokh Rahimi said they are calling for panel proposals is coming up. ISGT is proceeding for February as a virtual meeting. There is a call for papers and panels has been extended to the end of the month.

Adjourn

David Forifa asked for a motion to adjourn. Gerald Gray gave the motion to adjourn and Ron Ambrosio seconded the motion. There were no objections.

Next meeting Oct. 7 & 8, 2020. Times: 8:00am to 10:00am PST and 1:00pm to 3:00pm PST each day