Meeting Minutes

April 19, 2017

GWAC members:

David Forfia, Director, Enterprise Architecture & IT Transformation, Electric Reliability Council of Texas (ERCOT)

Ron Ambrosio, Chief Scientist, Utopus Insights, Inc.

Tanya Barham, Director of Operations, PECI

Ron Bernstein, President, RBCG, LLC

Doug Houseman, Vice President of Technical Innovation at EnerNex

Stephen Knapp, Executive Director at Power Analytics Corporation

GWAC Associates:

Gordon Matthews, Technology Innovation, Bonneville Power Administration

Members Not Present

Paul De Martini, Managing Director, Newport Consulting Group, LLC

James Mater, Co-Founder and Director, QualityLogic, Inc.

Tom, Sloan, State Representative, State of Kansas

Lorenzo Kristov, Principal, Market and Infrastructure Policy, California Independent System Operator

Gerald R. Gray, Technical Executive at the Electric Power Research Institute (EPRI)

Heather Sanders, Principal Manager, Integrated Grid Strategy & Engagement, Southern California Edison

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

Guests

Leonard Tillman

M. Danziger

Dave LaVee

David Wollman

PNNL Support:

Ron Melton, GWAC Administrator

Mark Knight, GWAC Administrator

Susie McGuire, GWAC Administrator

GWAC Emeritus Council Members:

Ken Wacks, Consultant, Sensus Metering Systems Inc.

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Announcements

David Forfia, Chair, opened the meeting at 10:04am PST.

Ron Melton reviewed upcoming meetings.

Tanya Barham asked about how to better get the message out about tutorials at the TESC17.

Doug Houseman offered to send Tanya some slides that he had helped to create for a presentation t to cities to explain what TE is and what it means to CCA. The slides will include a basic guide to transactive energy.

Ken Wacks offered to provide a list of papers and conference presentations that he developed on the topics of GWAC and TE.

Ron Melton suggested that there be a side meeting on this topic to give more detail. He said that either he or Mark Knight would attend the meeting.

Tanya suggested a Doodle Poll.

Mark Knight noted that he and Ken Wacks had participated in a similar marketing effort sometime back although the group lost momentum and not much came from it.

Mark Knight gave an update of TES 17. Chris Irwin will give the opening address on day 1, he will talk about DOE's Transactive System Program. Day 2 will open with a Technical Vendor panel and will discuss the challenges facing industry. Day 3 will open with a talk by Rob Pratt on using "DER" for batteries. The lunch for Day 3 will include table exercises that Doug had suggested in San Diego. The groups will review what they have learned and also discuss what the GWAC should focus on next. The Day 3 lunch will feature interactive exercises by table to review what we learned, what to focus on next

Mark Knight noted that the Standards Panel could use an organizer and David Forfia offered to do this.

Mark also noted that Real World challenges had been two panels but has now been combined into one due to reducing the number of talks so that we could eliminate parallel sessions. But he also noted that this panel has received 11 good abstracts which will need to be reduced down to probably just 4 talks.

Mark noted that things are moving along and by the beginning of next week the planning group should be ready to confirm who the speakers are. This will help SGNW to attract attendees.

Mark reported that the TES 17 Tutorial Topic Survey got 57 responses. Buildings and Smart Grids got the liveliest response, so that will be the Tuesday morning tutorial.

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Mark suggested that everyone check out the TES 17 agenda on the meeting website to see how things are shaping up with all the changes.

Ron suggested that people go in through the www.gridwiseac.org website to navigate into PointView.

Mark expressed some regrets that the panels had to be shortened given that there were many good abstracts submitted. He also noted that based on feedback he made sure to build in adequate time for socialization between panels and noted the importance of breaks as a networking opportunity.

Ron Bernstein asked if the tutorial registration costs are set and if people can now register for tutorials on the website.

Mark replied that for those registered for the conference the tutorial cost is $200. For others the cost will be $250.00 Registration is now open on the site but so far no one has registered for the tutorials. Mark noted that 10 people will be the minimum needed to hold the tutorial. Mark will schedule a meeting with Ron Bernstein and David Holmberg about how long they will allow the tutorial registration to go before cancelling if there are insufficient registrations.

Tanya asked if there were marketing materials for the tutorials so that she could tell some Smart City contacts at a meeting that she will attend next week. She noted that the materials on the site are a bit too technical for the people that she has spoken to. She and Ron Bernstein discussed this further and will talk later this week about this.

Ken asked Mark if there is a description of who the tutorials are geared in terms of how technically versed the audience is with the subject matter. Mark will consider this question in light of the question that Tanya raised.

A brief PowerPoint presentation on the TE Roadmap was provided by Mark. Mark used color on the document to help the reader easily see the topical areas related to vision, enablers, results and benefits.

Ken thought that it would be helpful send the roadmap to an appropriate test group to get feedback and Mark agreed and said that is what he was planning to do.

As a reminder to the GWAC, Mark invited everyone to check out the Decision Maker's Checklist which has been edited to reflect the feedback collected and is posted on the www.gridwiseac.org website under Publications on the side bar.

Liaison Reports

David Forfia confirmed that as of April 1 SEPA merged with SGIP and the name of the group is now SEPA.

Each working group including the TE coordinating group, is now functioning. Mark Knight is the chair of this committee and Ron Melton is chair of the Architecture group. The former SGIP TECG will now become SEPA TEWG.

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It is officially SEPA now and we can refer to it as such.

Gordon Matthews asked if the bylaws of SGIP are now defunct.

David said that the SEPA bylaw process is quite different, very staff driven. Some of the standing committees do still exist (PMO, Cyber Security, etc.). But board committees like NGC no longer exist.

David Wollman has 2 items TE Challenge tomorrow. The team reports will be presented there. Team Simulations will start on July 25.

NIST will host the Global City Teams Challenge Aug 28 & 29 in Washington DC.

https://pages.nist.gov/GCTC/event/gctc-expo-2017/

Ron Bernstein is working on two seminars at the ASHRAE summer conference – Cyber in buildings, and Smart Cities. GWAC has panel participants in this. He will ask GWAC to help publicize.

Action: Ron Melton asked Ron Bernstein to send him information that he can pass on to PNNL buildings staff. Devices that connect to a smart grid – standardization. Ron is trying to get engagement outside of ISA Secure committee. (ISA is industrial) This is a very technical subject, 1000 page document.

LonMark – there is a new smart city council to go over implementation and data gathering from field devices and how it relates to energy consumption, etc. This is now active and there are activities coming up. He will post some information about this.

Ron Ambrosio – no IIC updates

Ken Wacks ISO/IEC – we had a meeting last week that focused on two areas. Building energy management (apartment complexes). Each can autonomously manage their energy usage. They are discussing a cyber security management system certification. So rather than connecting to external world, the responsibility for authorizing new devices goes to a certificate manager (Locally). The gateway would accommodate devices which are not IP enabled. With a goal to allow home systems to operate without being connected to the Cloud due to vulnerabilities.

Ron Bernstein - Home and network working group – we are bringing through 2 new media types for Smart Cities. Hi-Def (HDPLC), hi speed and hi performance RF channel. Both operate in the same environment for advanced smart cities. Accommodates sensors, actuators, and connects into existing networks such as street lights. This is a way to reduce costs for cities to implement. There will be a meeting on May 9, Ron Bernstein will chair it. CTA is the old CSA (consumer technology association).

There was some information discussions on the location of the Fall GWAC F2F meeting.

David Forfia asked for a motion to close the meeting at 11:25am PST with unanimous approval.

Approval of Minutes – no quorum this week