

Meeting Minutes March 23, 2011

Erich Gunther chaired the web meeting held from 10:00am – 12:00pm on Wednesday, March 23, 2011.

Members

Erich Gunther, EnerNex Corporation
Ron Ambrosio, IBM T.J. Watson Research Center
Rik Drummond, Drummond Group
Amr Ibrahim, Ohio Consumer Council
Alex Levinson, Lockheed Martin
Wayne Longcore, Consumers Energy
Robert Saint, NRECA
Ken Wacks, consultant to Sensus Metering Systems Inc.

Support – Pacific Northwest national Laboratory (PNNL)

Ron Melton, GWAC Administrator
Todd Halter, PNNL
Sherry Kowalski, PNNL

Speakers and Guests

Proprietary Information Notice

The members and guests were reminded of the proprietary information disclosure policy according to the bylaws.

Agenda Review

Ron Melton mentioned that one of the items Tom Sloan wanted to share in today's meeting was his discussions with Miles Keogh and Charles Grey at National Association of Regulatory Commissioners (NARUC). Tom Sloan suggested NARUC should engage in more discussions regarding GWAC about the standards.

Administrative Business

The committee agreed to approve February's minutes at the meeting in Jackson, MI. Erich Gunther suggested a goal for this year's minutes to have bulleted key points for the general agenda.

Ron Melton reviewed the 2011 calendar.

Randy Lowe
Anto Budiardjo, Clasma Events
James Mater, QualityLogic
Catherine Weldon

Members – not present

Tom Sloan, Kansas State Legislator
Tony Giroti, BRIDGE Energy Group, Inc.
Tracy Markie, Engenuity
Ward Camp, Landis + Gyr
Robert Burke, ISO New England

Members Emeritus

Richard Schomberg, EDF
Dave Hardin, EnerNOC, INC

Upcoming Events:

- Meeting in Jackson, MI will be held on April 27-28, 2011
- Transactive Energy Workshop in Redwood Shores, CA on May 18-19, 2011
- Connectivity Week will be held in Santa Clara, CA on May 23-26, 2011
- GWAC Webcast meeting on June 15, 2011
- GWAC Web meeting on August 17, 2011
- The next Face to Face meeting held after April 2011
- Grid Interop training will be October 18-19, 2011 in Phoenix, AZ
- Ron Melton proposed the next face to face meeting to be held on Oct 18-19, 2011 in Phoenix, AZ
- Grid Week will be held September 12-15, 2011
- Global Forum Week will be held the week of November 7, 2011

DOE Office & Electricity, Smart Grid R&D Peer Review Feedback

Ron Melton, GWAC Administrator

Ron Melton shared the results of the Smart Grid Research & Development Peer Review meeting in Denver last fall. Ron Melton explained this review was of all the Smart Grid Research and Development projects funded by the DOE. The panel reviewed 25 different projects including the GWAC.

The ratings received were as followed:

Relevance 5%

Approach and Project Management 25%

Technical Accomplishments, Quality, & Productivity 50%

Tech Transfers Collaboration and Partnerships 20%

The overall score for the GWAC was 8.45 and was ranked 7 out of 25 projects. In the category of relevance we scored **8.7**, Project Management **8.3**, Technical **8.0/8**, and Tech Transfers **8.7**.

The panel discussed that GWAC is seen as having a goal of outreach. It is recognized that National Institute of Standards and Technology (NIST) and Federal Energy Regulatory Commission (FERC) are continuing to want to interact with the GWAC. Our basic structure is favorable, but there was concern about stagnation in 2009. The stagnation was in part because we were so heavily involved in getting SGIP started. Erich Gunther commented that we need to be able to clearly articulate our vision and mission in 2011.

One question being asked is how has the GWAC reached out to Non-North American Countries? Discussion continued regarding funding to be able to reach out to Non-American Countries. A future goal of the GWAC could focus on is to reach out internationally, but Department of Energy (DOE) needs to provide financial resources.

One perception is that the GWAC has taken the back seat to NIST. The council agreed to make sure we have more opportunities to be visible. We need to make sure the GWAC is a distinct

resource that the Smart Grid Interoperability Panel (SGIP) is calling upon. A recommendation from the panel was that the GWAC needs to keep the system view intact.

The council discussed upon putting together a summary and memo to establish a formal interaction with NIST. Overall, good comments from the panel and we came across well in the review process.

The feedback will be put on the GWAC SharePoint for Council members review.

FERC Smart Grid Interop Standards Technology Conference Input

Ron Melton

Ron Melton mentioned that there are specific questions that need to be asked and answered that have to do with consensus and adoption. Until these are answered, it's hard to have discussions about whether any given standards are ready to be considered by FERC.

Another issue the council discussed was FERC shouldn't deal with technical standards—Erich Gunther shared that our position might be, other than safety; cyber security related to national security. Everyone agrees FERC should look at processes and functional standards that are met through the best and most cost effective technology available. FERC should be asking what process has been followed.

Ron Melton is going to create a write up of the bulleted points and submit to FERC. Erich suggested articulating a broader set of recommendations about the process adoptions rather than standards adoption. Erich also suggested doing something we haven't done before by putting on a GWAC webinar through NARUC for regulators. The council agreed to do more outreach and webinars to make ourselves more visible.

Actions: Erich will complete a write up of the NAROC webinar proposal.

DOE Smart Grid Task Force

Ron Ambrosio

Ron Ambrosio discussed the phone call with Eric Lightner, DOE to discuss GWAC and the Federal Smart Grid Task Force. One of the questions Eric Lightner asked was how can the GWAC engage on a regular basis to help the task force? Ron Ambrosio suggested acting as a sounding board for task force output before its final publication. Erich Gunther asked about information flow *into* the task force and providing input on identified issues.

Discussion continued regarding that we need to understand more precisely the mission and expected output of the activities of the Federal Task Force. The purpose of the call with Eric Lightner is to discuss what is going on with the Task Force and to invite him to the next phone call with the sub team.

GWAC Interoperability Constitution Re Socializing Status

Ron Melton, GWAC Administrator

Ken Wacks and Robert Burke were asked to review the constitution to take into account the comments that were received at last fall's interview process. These comments were from the

GWAC members, but didn't lead to an update of the constitution. There was quite a bit of feedback from the regulators that were interviewed and it became clear the regulators didn't understand the wording of the constitution.

Both Robert and Ken examined the entire constitution and made extensive changes. The constitution has been proofed and is ready for review by the GWAC members at the face-to-face meeting in Jackson, MI on April 27-28, 2011.

Smart Grid Manifesto Planning

Ron Melton, GWAC Administrator

Smart Grid Manifesto Planning is ongoing and a discussion took place during the February meeting in Washington, DC. A workshop is planned for the April face-to-face meeting in Jackson, MI.

Ron Melton mentioned there are related things going on with SGIP. There is road map and vision work led by John Caskey. Also, Ron shared that Institute of Electrical and Electronics Engineers (IEEE) is developing a 70-100 page documents looking out at 2050 time frame of Smart Grid Vision. Ron Melton added that there are several groups working on Smart Grid type statements and there will be opportunities to send our results and have plenty of interaction.

Ken Wacks shared that Ron Jarnagin wanted to receive input from Diane Grueneich. Diane left the California Public Utility Commission and joined Morrison and Forester in San Francisco, CA. Ron Melton mentioned California-ISO came out with their Smart Grid Road Map for their architecture.

Actions: Erich Gunter will send an email with the link to the public version of The CAL-ISO Road Map.

Connectivity Week Planning

Ron Melton, GWAC Administrator

The council agreed to complete 1 day of 3 sessions for the GridWise Expo part of Connectivity Week. Amr Ibrahim, Robert Burke, and David Elve agreed to be session leads and Ron Melton is the track lead.

Each session is 90 minutes in length and should have 3-4 speakers.

Anto Budiardjo is finalizing the agenda for Connectivity Week. Currently the focus seems to be consumer side issues.

Transactive Energy Workshop Planning

Ron Melton, GWAC Administrator

The Transactive Energy Workshop will involve a small number of people who have been developing and Transactive techniques.

OATI is going to be the host of the workshop. Participation is invitation only on May 18-19, 2011 in Redwood Shores, CA. Invitations were sent out last week. The plan is to have 12 people and currently nine participants have confirmed.

James Mater commented about a Micro Grid presentation by Horizon Energy. James suggested inviting Steve Pullens. DOE is currently funding 10 Micro Grid demonstration projects. Ron Melton explained the Transactive Workshop is intended to be a starting event to establish a group of people. Next year the event will expand and grow.

Grid-Interop 2011 Summary and Updates

Todd Halter

Todd Halter sent out three attachments prior to the meeting. The first attachment was explaining who the committee members are. There will also be two other committees. One is a program committee to go over the papers and to help with the Tracs and the second committee will deal with PlugFest. Currently Erich Gunther is finalizing information regarding PlugFest. Once complete we will send to the GWAC so everyone can review the information. The third attachment is a rough draft of the actual schedule for the event.

The schedule has a series of Boot Camps. There will be an SGIP 101 boot camp. The second day of boot camp is undetermined. The foundational section will concentrate on the Interoperability Maturity Model (IMM), where we are and how to use it.

Erich Gunther explained that the goal of the PlugFest is to make interoperability more real to people. Interoperability is hard to visualize and the PlugFest is intended to make it visible, but not as a demo or as a show. The goal is to be a true interoperability PlugFest. We will focus on the new standards that are coming out and requirements given our relationship with SGIP. We want to show how we can go from requirements to standards and products in a relatively short period and the reason they are successful because the process we put in place.

We are trying not to make this too terribly public until we have our funding model in place. This will cost about 250k. Once we verify that we have a business plan and funding then we will work out additional details and the standards involved.

James commented about PlugFest typically being done under a Non-Disclosure Agreement (NDA) and privacy agreements. James is wondering if PlugFest is the correct name because businesses don't want to expose their technologies. Erich stated that as of right now, the committee has decided to call it PlugFest. It will be held in public and no NDA's needed. There are enough parties interested with no string attached that will attract other players. There are still many details to be worked out.

SGIP Business and Policy DEWG

Ron Melton, GWAC Administrator

Ron Melton explained there isn't much to report. Ward Camp is going to be the GWAC coach chair. Ron Melton, Ward Camp, and Dave Wolman will be involved until further notice.

Outreach & Liaison Update

Ron Melton, GWAC Administrator

Dave Harden provided a review of the 12G Summit ARC forum in Orlando, FL which was a gathering of industrial manufacturing. Approximately 40 people were involved in the session regarding Energy Management and Smart Grid. ARC is working with Anto Budiardjo on Grid Week because they are very interested in ramping up activities. Dave Harden expressed his opinion on how he felt like this was the best session we have had so far in pulling in customers who are interested in Smart Grid.

Ken Wacks provided a summary of the Electronic House Expo sponsored by EH Publishing and the Consumer Electronic Association. It focused on primary home automation in lighting and entertainment. There were a couple sessions on Energy Management oriented towards system integrated asking about what they tell their customers when they go into a home. There was a lot of practical information regarding utility involvement and the bottom line they showed methods to achieve savings.

Ron Melton shared that he presented a Pacific Northwest Smart Grid Demonstration Project presentation at the Washington State House Committee on Technology Energy and Communications. This wasn't formal testimony. Ron included the GWAC information and noted the difficulty in presenting to a lay audience.

Ron Melton shared that Jeff Taft from Cisco confirmed that he will be our lunch speaker at the April face-to-face meeting in Jackson, MI.

Ken Wacks reminded us that he received a request for someone who has an interest in speaking on Low Voltage Direct Current for Homes and Buildings. If there is someone from the GWAC who is interested in low voltage Conference in the beginning of April, please contact Ron Melton on Ken Wacks directly.

Adjourn

The next meeting is in Jackson, MI. The hotel has a special rate that meets Gov. per diem. Consumer's Energy will be investing in visitors badges, so make sure to RSVP.

Meeting adjourned at 12:00 pm.