

## Meeting Minutes July 18, 2012

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### *Members*

Ron Ambrosio, IBM T.J. Watson Research Center  
Robert Burke, ISO New England  
Rik Drummond, Drummond Group  
Tony Giroti  
Erich Gunther, EnerNex Corporation  
Mark Knight, Logica  
Tracy Markie, Engenuity  
Bob Saint, NRECA  
Ken Wacks, consultant to Sensus Metering Systems Inc.  
Tom Sloan, Kansas State Legislator  
Alex Levinson, Lockheed Martin

### *Support – Pacific Northwest National Laboratory (PNNL)*

Ron Melton, PNNL & GWAC Administrator  
Sherry Kowalski, PNNL  
Todd Halder, PNNL  
Steve Widergren, PNNL

### *Speakers and Guests*

Naieem Ashem, KEMA  
Anto Budiardjo, Clasma Events, Inc.  
James Mater, Quality Logic  
Leonard Tillman, Balch & Bingham LLP  
Gordon Matthews, BPA  
Ryan Bird, Bridge Energy Group, Inc.  
Tim Schoechle  
Scott Crowder, NREL  
Doug Houseman, EnerNex Corporation  
R. Bryan Seal, P.E., Itron  
Phil Davis, Demand Response Resource Center

### *Members Emeritus*

Joe Bucciero, EnerNex Corporation  
Dave Hardin, EnerNOC, Inc.

### *Members – not present*

Ward Camp, Landis + Gyr  
Paul De Martini, Newport Consulting

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## Proprietary Information Notice

Erich Gunther read the proprietary information disclosure policy according to the bylaws to the members and guests.

## Welcome and Administrative Business

### *Ron Melton, GWAC Administrator*

Erich Gunther called the meeting to order at 10:06 am.

Meeting minutes from the June 16 web meeting were distributed to council via email. Corrections were received from Robert Burke. Robert Burke motioned to accept the minutes

with the recommended changes, Ken Wacks seconded the motion, and the minutes were approved.

Ron Melton reviewed the calendar for the GWAC meetings and the upcoming outreach dates:

- **August 28-29, 2012:** GWAC Face-to-Face Meeting, Seattle, WA
- **September 19, 2012:** GWAC Web Meeting
- **October 2-4, 2012:** GridWeek, Washington, DC
- **October 31- November 1, 2012:** GWAC Face-to-face Meeting, Irving, TX
- **November 14, 2012:** GWAC Web Meeting
- **December 3-6, 2012:** Grid-Interop, Irving, TX

## Seattle Face-to-Face meeting & Workshop Planning and Guest Speakers

### *Erich Gunther, GWAC Chairman*

Ron Melton provided a recap for the upcoming Seattle face-to-face meeting agenda. The meeting will be two full days and contains a workshop focusing on “The Impact of Local Policy on Smart Grids.” The workshop will be held the afternoon of the first day and the morning of second day. Ken Wacks has secured participants from Colwood, BC.

Robert Burke will be attending by phone.

Ken Wacks prepared an abstract of the meeting to be used for marketing and distribution.

### **The Impact of Local Policy on Smart Grids**

The GridWise Architecture Council (GWAC) is a panel of 13 utility industry experts assembled by the United States Department of Energy to develop strategies for smart grids. The goal of the smart grid is to enhance system reliability and security while extending the grid to accommodate demand response, distributed energy resources, and electric vehicles. Achieving smart grids requires not just technological solutions, but also involves informational and organizational challenges.

Since GWAC was formed in 2004, it has created important tools for smart grids including the widely-used "GWAC Stack" to help frame the smart grid challenges. GWAC is now planning a series of workshops to examine practical application of these tools and solutions that transform conventional grids into smart grids.

The first GWAC Workshop is scheduled for August 28 and 29 in Seattle, Washington. There is no charge to attend the workshop. The theme is the influence of local policy makers and technical champions on smart grids. We have invited speakers active at the community level who are advancing smart grids with citizen participation and creating new business opportunities.

Our speakers will address:

- Solar power installations with net metering
- Combining solar and conventional power sources into a smart grid
- The role of central generation as a battery for local power

- Integrating customer equipment into a smart grid
- Facilitating electric vehicle use by businesses and residents
- Creating local employment with community smart grids
- Local impacts on reducing greenhouse gas emissions

The Committee has secured the following speakers:

- Andrew Moore, Solar Project Manager, T'Sou-ke First Nation
- Judith Cullington, City Councillor, Colwood, British Columbia
- Ludo Bertsch, Horizon Technologies
- Speaker to be named later, Boulder, Colorado

The workshop committee will continue with the planning. Ron Melton will do a final edit of this workshop abstract and Sherry Kowalski will upload on the GWAC website, complete an email blast, and use social media to market the workshop.

Erich Gunther suggested that we use PointView for the workshop to list bios and manage the workshop.

## Irving, TX Face-to-Face Meeting & Workshop Planning

**Ron Melton, GWAC Administrator**

- The last quarter F2F meeting is set for 10/31 – 11/1. The meeting is following the Grid-Interop Planning meeting as agreed upon at the last face-to-face meeting in Knoxville, Tennessee. Details still to be determined.
- Rik Drummond has secured Donny Helm from ONCOR as a speaker at the Irving meeting.

## Review of Action Items

**Ron Melton, GWAC Administrator**

- SGIP 2.0, V2 inputs due to Erich Gunther by Monday morning, June 18th.
  - Completed – comments received, but given the nature of the comments decided that there was nothing specific to submit to the Smart Grid Interoperability Panel.
- All GWAC members check your personal calendars and make sure you clear conflicts with future GWAC meetings.
  - Reminder email was sent out a week before the meeting, email blast done, and meeting invite tweeted.
- Schedule GWAC as a “standard” committee meeting.
  - Action – TBD
- Sherry Kowalski to submit correct hotel registration information to council for the August meeting.
  - Council members can call in (800) 228-9290 and ask for the “GWAC Meeting/PNNL” room block to receive the discounted group rate or online.

Please remember to make reservations before the cutoff date of August 6, 2012 to receive the discounted group rate.

- Ron Melton to draft Associate Membership bylaw change for review.
  - Draft distributed to Council on 7/13/12 for review.

## GWAC Associates Membership

### **Ron Melton, GWAC Administrator**

Ron Melton distributed the below proposed bylaw change to council members for review and input.

#### **Amendment C: Associate Members**

The following changes are made to Articles 1.1.x and 3.1.x to address the formation of a new category of Council membership and define the process for adding members to this category. A new section 1.1.4 is added and the number of the existing 1.1.4 Liaisons and 1.1.5 Administrator and Support Resources incremented to be 1.1.5 and 1.1.6 respectively.

New Section:

#### 1.1.4 Associate Members

Associate Members are individuals who work closely with the Council and actively participate in Council meetings and initiatives. This membership category is defined to allow the Council to explicitly recognize the role of such individuals and to enable the individuals to have a recognized, formal relationship to the Council.

The process for an individual to be recognized as an Associate Member is nomination by an existing Council member. The Council will discuss the nomination and vote on accepting the individual as an Associate Member. The term of membership is two years.

The criteria for Associate Membership are:

- Active participation in council activities for at least one year prior to the nomination
- Council initiatives such as working groups
- Attendance at Council meetings
- Technical or other background with skills and experience that is consistent with the purposes of the Council

The privileges of Associate Membership are:

- Listing as an Associate Member on the Council's web site
- Allowed to cite their association with the Council
- May speak on behalf of the Council

Comments received are as follows:

- One comment was received regarding the original discussion not to use GWAC Associate rather than GWAC Associate Member. The council discussed the comment and agreed that the use of the word "member" should be dropped from the bylaw change.
- A suggestion was received to limit the number of GWAC Associates to three. Discussion followed regarding the purpose of associates and decided that these should not be a limit of associates.
- Comments were received regarding the timing of the process. Should Associates nomination period be at a specific time during the year? Discussion continued on calendar timing of the GWAC membership and GWAC Associate nominations. Robert Burke suggested GWAC open July for Associate nominations because it would be six

months after the member elections and would not interfere or overburden the administration staff. Rik Drummond suggested the term be reduced to one year so GWAC can monitor Associate involvement and contributions and make adjustments accordingly.

- Council members discussed a possible term limit. Can a person be an Associate more than one term? The council agreed that there should not be a limit in the number or terms for associates.
- A suggestion was made on the structural placement of the change within the bylaws. The new organization within the bylaws will be the GWAC Associate definition in section 1 and the nomination and renewal process in section 3.

Ron Melton will do a final rework on the bylaws changes based on the comments and discussion from today's meeting and resubmit to the Council for final review and an email vote.

Ron Ambrosio moved that GWAC open the nomination period for GWAC Associates in with the approval of the bylaw change. Rik Drummond seconded the motion, all approved and the motion to open the GWAC Associate nominations period was carried.

Ron Ambrosio verbally nominated James Mater for GWAC Associate. Ron Melton requested that nominations be sent in via email.

## Grid-Interop 2012 Planning Update

### **Ron Melton, GWAC Administrator**

Todd Halter reviewed the 2012 Grid-Interop preliminary agenda. On Sunday, there will be SGIP activities such as opening the Board meeting and executive forum activities. Monday and Tuesday are primarily SGIP related activities intermixed with GWAC boot camps and workshops.

Below is the schedule of the boot camps and workshops and the confirmed leaders:

- **Monday**
  - SGIP Bootcamp - Stuart
  - Transactive Energy - Ron Melton
  - Decision Makers Workshop - Robert Burke
- **Tuesday**
  - Technology Adoption Roadmap - Paul De Martini
  - Architecture - Stefan
  - IMM Workshop - Steve Widergren
  - Testing & Certification - Rik Drummond

Tuesday evening is the opening of the GWAC forum with plenary speakers, a panel session, plug-in, and expo.

Wednesday will consist of a plenary session, a few SGIP activities, and the beginning of the GWAC tracks.

Thursday the GWAC tracks will continue. There will be a Standards Development Organizations (SDO) panel. Ron Ambrosio asked that JTC1 continue to be included in this list. Paul Boynton is the lead on the SDO panel.

The Foundation Session is on the State of Interoperability and will be led by Paul De Martini.

Suggested topics include:

- Interoperability in a general sense (beyond Smart Grid)
- IMM
- ARRA projects
- Panel Make-up
- Couple of utilities who have implemented interoperability
- Todd Park
- Testing
- Craig Miller (NRECA)
- Vendor
- Integrator

Erich Lightner is going to chair a panel session with selected ARRA Smart Grid Grant recipients. The panelists will discuss the project and how their project contributes to the overall theme of the meeting which is “Driving to Grid 2020.” This will be separate from the foundational session.

A two hour block has been allocated at the August GWAC face-to-face meeting to develop the Foundational Session.

Ron Melton asked the Council to spread the word about the forum and invite colleges to submit abstracts by Sunday, July 22, 2012.

## Plug-In 2012 Planning Update

***Erich Gunther, GWAC Chairman***

Anto Budiardjo reported that the approach Clasma is taking to secure Plug-In participants is to reach out to the alliances. So far, the approach seems to be received well and is working. He anticipated that 4-6 alliances will agree to participate in the 2012 Plug-In.

## DOE Peer Review Feedback

***Ron Melton, GWAC Administrator***

The official feedback has been received and GWAC scored in the lower portion. Ron Melton attributes this to GWAC activities that are grouped within the research and development. Ron will send review comments to the GWAC members, then follow-up with Dan Ton, Chris Irwin, and Eric Lightner.

Thomas Sloan asked if Erich Gunther has received any feedback on the DOE EAC meeting. Erich will gather his email comments and distribute to the council. Thomas Sloan suggested that Erich follow up with the advisory board.

## **NCAT – Integrating Smart Grid Training into Curriculum**

***Ron Melton, GWAC Administrator***

Ron Melton and Ken Wacks received a request from Ruth Page-Nelson who is affiliated with the Historically Black Colleges and Universities (HBCU). Mrs. Page-Nelson heard of the Council's work on University Outreach and inquired on Council Member availability and willingness to speak at smart grid related events. She is currently working on an Energy Smart Grid Conference in conjunction with the EPA that will be held in North Carolina A & T University in September.

Ron Melton forwarded her request to Erich Lightner because she was looking for the Department of Energy person coordinating educational outreach activities.

Any GWAC member interested and potentially available to participate in this activity should contact Ron Melton or Sherry Kowalski for further information.

## **SGIP Summer Meeting Recap**

***Ron Melton, GWAC Administrator and Erich Gunther, GWAC Chairman***

Steve Widergren provided a high-level overview of the SGIP Summer Meeting that was held in Portland, Oregon the week of July 9, 2012. Ron Melton provided an informative GWAC presentation at the SGIP meeting on Wednesday, July 11.

The primary discussion at the SGIP meeting related to business sustainability planning work that had an entire track devoted to this work and was led by Scott Unger. The big news was that the SGIP Governing Board approved the Business and Sustainability Plan that provides a good framework to move forward for the next six months with the transition targeted for the end of the calendar year. Discussions continued regarding the interim board, membership, and fundraising.

The Gas Technology Institute has approached NIST and SGIP to do some "smart" work related things for the gas industry such as metering. It seems that the gas industry isn't as advanced as the electricity industry in terms of standardization.

Ron Melton added that there was a very well attended and lively Business and Policy DEGG meeting that focused on opt-out programs and experiences related to that, as well as the challenges of marketing smart grid metering to residential customers.

## **GWAC Stack as a "Standard"**

***Ron Melton, GWAC Administrator, Erich Gunther, GWAC Chairman and Doug Houseman***

Doug Houseman and others have been working on discussions to have the GWAC Stack as a standard. Doug Houseman has been speaking to Bill Ashe and the Technical Committee for PES and came to an agreement on how the Council might want to move forward. Doug Houseman and Bill Ashe have a meeting scheduled for this coming Monday, July 23, to run through the pros and cons of each option so when Doug Houseman has a meeting with the PES Technical Committee he can tell them the path we want to proceed. If the Committee agrees with the

plan, Doug houseman will complete the necessary forms and submit at the following Technical Committee meeting.

## Transactive Energy Workshop Follow-up Update

**Ron Melton, GWAC Administrator**

Mark Knight and Ron Melton are pushing through the final edits of the Transactive Energy whitepaper that should be available for the council to review at the August GWAC face-to-face meeting. Ed Cazalet is leading the roadmap development meetings, and a roadmap outline has been developed.

The TEW 2012 proceedings are in the final stages and will undergo the document clearance process.

## Action Items Review

**Ron Melton, GWAC Administrator**

- Ron Melton to revise the GWAC Associate bylaw changes as per the discussion at today's meeting and distribute the revision to Council for review and email approval.
- Ron Melton to distribute DOE Peer Review feedback to Council.
- Erich Gunther to distribute feedback from his DOE EAC presentation to select staff at DOE and to follow-up with EAC.
- Ron Melton and Erich Gunther to follow-up with Chris Irwin.
- A two-hour block has been allocated at the GWAC August face-to-face meeting to develop the Grid-Interop Foundational Session.
- Sherry Kowalski to revise promotional materials on workshop write-up per today's discussions and begin marketing via email, social media, and website. Ken Wacks will work on the materials and return to the workshop committee by the end of the day. Locate speaker information and link.
- GWAC Stack as a "Standard" – Schedule a meeting Tuesday, July 24 to discuss Doug Houseman's Monday's IEEE conversation.
- TEW 2012 Proceedings to be completed and uploaded on the GWAC webpage.
- Ron Melton to contact City of Ellensburg and University of Washington to invite them to participate in the upcoming workshop.

## Adjourn

Ron Ambrosio motioned to adjourn the meeting, Robert Burke seconded the motion. Erich Gunther adjourned the meeting at 11:55 a.m.