

Meeting Minutes January 25, 2012

Members

Ron Ambrosio, IBM T.J. Watson Research Center
Robert Burke, ISO New England
Erich Gunther, EnerNex Corporation
Amr Ibrahim, Ohio Consumer Council
Mark Knight, Grid Applications
Alex Levinson, Lockheed Martin
Tracy Markie, Engenuity
Tom Sloan, Kansas State Legislator
Ken Wacks, consultant to Sensus Metering Systems Inc.

Support – Pacific Northwest National Laboratory (PNNL)

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

Speakers and Guests

George Bjelovok, American Electric Power

William Cox, Cox Software Architects
Gordon Matthews, BPA
Avygdor Moise, FutureDOS R&D Inc.
William Rose, WJR Consulting Inc.
Tim Schoechle, International Center for Standards Research
Leonard Tillman, Balch & Bingham LLP
Dave Wollman, NIST

Members – not present

Ward Camp, Landis + Gyr
Rik Drummond, Drummond Group
Tony Giroti, Bridge Energy Group, Inc.
Bob Saint, NRECA

Members Emeritus

Joe Bucciero, Saker Systems

Proprietary Information Notice

Ron Melton read the proprietary information disclosure policy according to the bylaws to the members and guests.

Administrative Business

Erich Gunther

Erich Gunther called the meeting to order at 10:00 a.m.

Ron Melton reviewed the agenda, discussed the changes, and asked for any additions.

Minutes from the web meeting that was held on November 16, 2011, were presented to the council via e-mail and comments were received from Robert Burke. Ken Wacks motioned to

accept the minutes with the recommended changes, Ron Ambrosio seconded the motion and the minutes were approved.

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

- **February 5-8, 2012:** NARUC Winter Meeting
- **February 22-23, 2012:** face-to-face Meeting, Fort Worth TX
- **March 21, 2012:** GWAC Web Meeting
- **March 27-28, 2012:** Transactive Energy Workshop, New York (IBM Watson)
- **April 25-26, 2012:** face-to-face Meeting, Knoxville, TN
- **May 16, 2012:** GWAC Web Meeting
- **May 21-24, 2012:** Connectivity Week, NY
- **June 13, 2012:** GWAC Web Meeting

Ron Melton reviewed the open action items from the previous meeting:

- Ron Ambrosio will work with Dave Elve to update and produce a new GWAC 101 Slide Deck. Ron will contact Ken Wacks to incorporate Ken's suggestions and comments.
- Rik Drummond, Tony Giroti, & Todd Halter agreed to draft The Smart Grid Investment Grant Survey questions.
- Ron Melton will contact Eric Lighter about the Smart Grid Task Force and Department of Energy's Role in US smart grid.
- Todd Halter will create a benefit paper presentation.

Slate of Candidates Presentation and Selection

Ron Melton, PNNL & GWAC Administrator

Ron Melton received sufficient votes through email to confirm that Erich Gunther is the continuing chairman of the council.

The GWAC by-laws call for minimum of 20% turnover, which would be a minimum of 2 people. This year's selection committee consists of Ronald Melton, Christopher Irwin, Robert Burke and Gerald Fitzpatrick. The selection committee reviewed this year's applications and selected a "slate" to be reviewed and approved by the council. Amr Ibrahim and Wayne Longcore were not able to continue this year due to various circumstances and will be moved to emeritus status.

The proposed slate is as follows:

- Mark Knight
- Paul De Martini
- Erich Gunther
- Ron Ambrosio
- Rik Drummond

- Alex Levingson
- Tom Sloan
- Ken Wacks

Robert Burke moved to approve the 2012 GWAC proposed slate, Ron Ambrosio seconded the motion. No discussion followed and no current council members were opposed. The motion was approved. Mark Knight & Paul De Martini are the new council members. Sherry Kowalski will facilitate a press release to announce the new and renewing council members.

2012 Planning Discussion

Ron Melton, PNNL & GWAC Administrator & Erich Gunther

A planning session is scheduled at the GWAC face-to-face meeting in Fort Worth, TX and the council members were encouraged to prepare and bring their planning ideas. The two questions to consider are: “Where can GWAC have the most impact in the industry?” and “How can GWAC have the most impact?” Simply said where impact is most needed.

Erich Gunther discussed outreach and contribution. He wants everyone to brainstorm ideas on how to plan ahead.

Robert Burke suggested having Sherry Kowalski distribute the document from the Public Utilities Commission of Ohio to help everyone focus and show where we can have an impact.

Ken Wacks was invited to speak at a conference scheduled for March 1, 2012 on the topic of Impact to Policy on Management Energy Adoption. Ken asked what GWAC’s positions are on policy issues. Erich shared that we don’t want to take a position on policy, but want to be able to facilitate those discussions. Ron Melton suggested talking about it offline, but the council should be informing the policy process, but not taking a position. Ron Melton and Ken Wacks will discuss after the web meeting to share ideas.

Grid Interop Boot Camp – Brief Recap & University Outreach/Curriculum Development Report/Planning

Ron Melton, Catherine Weldon, Bob Saint, Todd Halter

Todd Halter thanked everyone for helping with Grid Interop 2011. There were three different planning committees that helped make Grid Interop a success. The three different committees were the program, planning and plug-in committee.

The Grid Interop Boot Camps were extremely successful and well attended. The information provided was well accepted and Todd Halter received great feedback. Boot camps will continue next year with similar topics.

The plug-in was also a success at Grid Interop. There were interesting challenges, but the plug-in ended up with 12 vendors. The next plug-in will be at Connectivity Week and the planning will begin soon.

Ron Melton, Wayne Longcore and Ron Ambrosio put together a discussion on GWAC 101 for Grid Interop 2011. This is a starting point for curriculum material for the university outreach. There is a report from Catherine Weldon that Sherry Kowalski will distribute to the council with the survey results, suggestions and the next steps. The most immediate suggestion is to put together a one hour GWAC webinar for faculty members. There are 30-40 faculty members that are interested in the webinar that would introduce GWAC and identify possible curriculum material. Sherry will distribute Catherine's report before our February face-to-face GWAC meeting.

Ron Melton reminded everyone if they have any Universities that are interested in participating to email their contact information to Sherry Kowalski.

GWAC Outreach – Slide Deck Review

Erich Gunther, EnerNex Corporation

Erich Gunther reminded everyone to use the GridWise® Architecture Council SharePoint. If you have lost your credentials to log in, please contact Sherry Kowalski and she will assist you with restoring your access.

Tom Sloan suggested creating a presentation to share with the Electricity Advisory Committee before the Department of Energy has elected the new advisory committee.

Erich Gunther is looking to receive comments to make sure he has included all of the necessary information in the slide deck. Ken Wacks suggested adding the word "strategy" to contrast GWAC with other groups who are involved with smart grid that are doing more tactical issues like developing requirements. Ron Melton continued to review the slide deck to see what suggestions the council had for improvements.

The council members agree that the outreach slide deck should be updated. Ron Melton and Todd Halter will prepare the deck for the councils review at the face to face meeting in Fort Worth, TX. Erich Gunther commented that it may be good to have to have different versions, but for now we should focus on a 10 slide version.

Interoperability Maturity Model 1-19

Steve Widergren, PNNL

The Smart Grid Interoperability Maturity Model (SG IMM) Beta Trials are underway.

Steve Widergren is planning a SG IMM workshop to review and revise the beta document which would result in the version one smart grid interoperability maturity model document.

The beta document identified several areas for derivative work. There is a very simple spreadsheet that can engage people. The spreadsheet could go into other evaluation tools with much higher level of details.

Steve Widergren will present, discuss the workshop and recommended a path forward for the Smart Grid Interoperability Model at the February face-to-face meeting.

Survey for Assessing Smart Grid Interoperability for Smart Grid Investment Grants

Todd Halter, PNNL

Chris Irwin asked the GWAC to create a tool to be used to help assess interoperability efforts on the Smart Grid Investment Grant. Todd Halter conducted a few related activities at Grid Interop, but shared they haven't developed a tool and have contacted a few people for suggestions. Tony Giroti, Rik Drummond, Chris Irwin and Todd discussed this task at Grid Interop and they decided to create a scalable survey that could be used for both demonstration projects and the investment grants. Draft survey questions will hopefully be completed by the February face-to-face meeting for councils review.

Smart Grid Vision Document

Ron Melton, PNNL

The Smart Grid Vision document hasn't changed since early November 2011. Ron Melton has been working with Rob Pratt and Landis Kannberg to get the final draft ready for review. Landis Kannberg was involved in the formulation of the GridWise® Program. Rob Pratt is the Smart Grid R&D Program Manager.

Transactive Energy Workshop Whitepaper Update

Ron Melton, PNNL & GWAC Administrator

Last week there was a Transactive Energy Plenary and Panel meeting at IEEE Innovative Smart Grid Technology meeting. There were two sessions, one plenary and a technical panel on transactive energy. There were a total of eight presentations, four in each session. Chris Irwin presented on why DOE is interested in transactive energy.

There has been a proposal floated amid those interested in transactive energy to have a tutorial at the IEEE T&D Meeting. The T&D meeting is scheduled for May in Orlando, FL.

The second GWAC Transactive Energy workshop will be at the IBM T.J. Watson lab March 28-29, 2012 which will include an expanded set of participants.

IEEE Smart Grid Comm 2012

Ron Melton, PNNL & GWAC Administrator

Through GWAC's Transactive Energy Endeavors, Anna Scaglione swayed Ron Melton to be on the Technical Program Committee for the Element of IEEE Smart Grid Comm that is the symposium on standards interoperability and testing.

There are three co-chairs for the technical program committee and Ron is hoping for 20 participants to help with the papers that are submitted. Also, the committee is hoping to get a few participants from the United States to submit papers. The conference will be held in Taiwan next fall.

Ron Melton is asking for volunteers as committee members from the industry as opposed to academia to help with the paper review committee. Ron Ambrosio, Erich Gunther, Bill Cox and Robert Burke have all volunteered to help with the committee. Ron is looking for five more volunteers. Please send an email to Ron Melton with names and email addresses that are willing to help review the papers.

Bill Cox

Bill Cox provided an update on ways to collaborate energy standards. The standards have been finished and are being implemented with ways to find actual specifications. The three standards were identified in the original National Institute of Standards and Technology (NIST) road map and discuss how they tie in together with transactive energy work. The standards have been collaborative efforts. Bill Cox wanted to bring the GridWise Architecture Council up to date with the standards.

Action Items Review

- Sherry Kowalski to distribute meeting information for the face-to-face meeting in Fort Worth, TX at the Omni Hotel.
- Sherry Kowalski to facilitate a press release to announce new and renewing GWAC members.
- Sherry Kowalski to distribute Catherine Weldon's Report and database to the GWAC.
- Ron Melton and Todd Halter to update the Outreach Slide Deck (10 slide range) to review at the face-to-face meeting in Fort Worth, TX. Erich Gunther requested a working session as part of the face-to-face meeting to collaborate and review the slide deck so we are leaving Fort Worth, TX with the final deck.

- Ron Melton will continue work on the vision document to review at the face-to-face meeting in Fort Worth, TX.
- Erich Gunther and Ron Melton to discuss Transactive Energy tutorial at IEEE T&D meeting.
- Todd Halter will present the draft Investment Grant Survey questions for the council and a first cut at the Benefits slide deck summarizing the material and benefits papers.
- Council members to email Ron Melton for possible volunteers for IEEE Smart Grid Comm 2012.
- Ron Melton and Ken Wacks to discuss the panel review that Ken will participate in.
- Council members are asked to review materials to prepare for planning discussion at the February face-to-face meeting.
- Sherry Kowalski to provide Paul De Martini and Mark Knight SharePoint user accounts and instructions.
- Erich Gunther requested that the council review the current outreach slide deck and look for possible opportunities and ideas for review at the February face-to-face meeting.

Adjourn

Erich Gunther adjourned the meeting at 11:56 a.m.