Meeting Minutes
April 15, 2013

Members

Ron Ambrosio, IBM T.J. Watson Research Center
Ward Camp, Landis + Gyr
Mark Knight, CGI
Alex Levinson, Lockheed Martin
Tracy Markie, Engenuity
James Mater, Quality Logic
Tom Sloan, Kansas State Legislator
Ken Wacks, consultant to Sensus Metering
Systems Inc.

Associates

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

Sherry Kowalski, PNNL
Ron Melton, PNNL
Steve Widergren, PNNL

Speakers and Guests

Naeem Ahsan, KEMA
Anto Budiardjo, Clasma Events
Phil Davis, Schneider Electric
Timothy Schoechle
Leonard Tillman

Members Emeritus

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

Members – not present

Paul De Martini, Newport Consulting
David Forfia, Electric Reliability Council of Texas
(ERCOT)
Jeff Gooding, California Edison
Erich Gunther, EnerNex Corporation
Jeff Taft, Cisco

Welcome and Administrative Business
Ron Melton, GWAC Administrator

Ron Melton called the meeting to order at 10:10 am.

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

Meeting minutes from the March 20, 2013 web meeting were distributed to the Council via email for review. James Mater provided corrections via email. Motion to approve the minutes was tabled until the May 21, 2013 due to lack of a quorum.

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

GWAC Web Meetings:
- June 26

GWAC Face-to-Face Meetings:
- May 21-22

Events:
- May 23 – 24 Transactive Energy Conference

TEC Planning Meetings:
- April 19   11:00 AM - 12:00 PM PT

TE Meetings:
- April 8   1:00 - 2:00 PM PT
- April 22   1:00 - 2:00 PM PT
- May 6   1:00 - 2:00 PM PT
- May 6   1:00 - 2:00 PM PT

Review of Action Items

Mark Knight, GWAC Chairman

Ron Melton reviewed the action items from the March 20, 2013 meeting.

Transactive Energy Conference Track Lead Assignments and Tasks

- ✓ PNNL is to create and distribute a press release announcing the key-note and plenary speaker and mention that early registration ends March 31. The press release is to be distributed by Tuesday, March 26.
    - ✓ Press release to be emailed to Council members for distribution purposes.
- Council members to contact Ron Melton and Mark Knight with any ideas for GWAC whitepapers that will be published this year.
- The Council needs to make a decision on holding GridInterop 2013 by the end of the April GWAC web meeting. If the decision is to hold GridInterop in 2013, planning committees need to be formed at April meeting.
    - ✓ Items to be placed on the April GWAC web meeting agenda: to discuss GridInterop's scope and what would need to be included if held.
- Transactive Energy Framework (TEF)
    - ✓ Council to discuss the possibility of TEF draft as potential GridWeek session
    - ✓ Mark Knight to contact Council members for draft input and writing assignments
    - ✓ Paul De Martini to create a table of contents
    - ✓ Council to provide input on the front sections of the framework document
    - ✓ The TEC session leads to provide text on the sessions they are leading to build the document prior to the conference.
- GWAC May 21-22 Meeting Planning
    - ✓ Council to discuss the possibility of holding a workshop at the May GWAC face-to-face meeting and identifying potential speakers for workshop
    - ✓ Council to send topic ideas to Mark Knight and Ron Melton
    - ✓ Council to discuss how to tie the speaker and/or workshop into the Transactive Energy conference.
- Transactive Energy Conference Planning (TEC)
    - ✓ Council to register for conference as soon as possible
    - ✓ Contact Sherry Kowalski for complementary registration code.
    - ✓ Council to consider their organizations for sponsorship
    - ✓ Council to identify liaisons to other groups for getting conference announcements distributed and endorsed
    - ✓ James Mater and Ron Melton to look into the process of website endorsements

        ✓ Track leads to make sure their abstracts are in PointView and up-to-date
        ✓ Track leads to verify speaker commitments and add presenter information in to PointView including their abstracts and topics

- Ron Melton and Mark Knight to investigate the possibly of GWAC involvement in the India and US DOE smart grid agreement Ken Wacks reported on earlier in meeting. This may be a possible ISGAN activity. Russ Conklin is the ISGAN vice Chair.

GridInterop 2013

Ron Melton, GWAC Administrator

Ron Melton shared that there is not a budget for PNNL to support GridInterop planning as in the past years. There is a great deal of project management that needs to take place in order to have a successful event and if the Council chooses to move forward with the event, the Council would need to commit to plan the event by volunteering their services and time.

A few positive reasons to move forward with the event include the need to receive comments from the industry and smart grid community on the Transactive Energy Framework that will be unveiled at the May Transactive Energy Conference. Also, several people have expressed interest in presenting their transactive energy related work at the conference, but their work didn't fit into the specific focus of the Portland conference, but could be part of a later meeting as the Council continues to socialize the framework document.

A possible issue for holding GridInterop would be the timing. Is the event too soon after the May Transactive Energy conference to have value and does the Council have enough time and energy to organize the meeting while also finishing the required completed draft of the Transactive Energy Framework?

Discussion continued on the involvement with SGIP and if NIST has any interest in participating Grid-Interop 2013.

Action item was captured for Council to email their thoughts and ideas regarding the possibility of holding GridInterop 2013 to Ron Melton and Mark Knight.

First International Transactive Energy Conference Planning

James Mater, GWAC Member and Ron Melton, GWAC Administrator

Ron Melton shared the developing program structure with the council.

Program Structure:
- Planning to have Marty Rosenberg (EnergyBiz, etc.) moderate plenary panels
- Day 1:
    - Plenary Speakers – Roland Risser, DOE EERE and Bill Parks, DOE OE
    - Plenary Panel – Introduction of TE Framework
    - Lunch Speaker – Phil Jones, NARUC President
    - Workshops

- Day 2:
  - Plenary Speaker – FERC Chair Jon Wellinghoff
  - Plenary Panel – Implementation Examples
  - Lunch Speaker – Steve Wright, Former BPA CEO
  - Workshops

The workshop panels are 90 minutes each and the panel needs to be focused on setting up the 2 or 3 key questions to be discussed. We are not looking for general presentation. The GWAC members leading the panels will need to recruit people to facilitate or keep the smaller groups continuing in the discussions. Ron Melton is working on a way to best capture the results from all the small groups' discussions.

Day One:
- 1A – Business and Policy – Architecture (theory)
  - Jeff Gooding & team
- 1B – Business and Policy in Practice (Implementing Markets / Value / Pricing)
  - Paul De Martini & team
- 2A – System Control Architecture (theory)
  - Jeff Taft & team
- 2B – Control Architecture (commercial implementations)
  - Jeff Taft & team

Day Two:
- 3A – Enabling Cyber-Physical Infrastructure (theory – Grid Integration)
  - Erich Gunther & team
- 3B - Enabling Cyber-Physical Infrastructure (practice – implementation elements, M & V)
  - Aaron Snyder & team
- 4A – Transactive Energy End-to-End with emphasis on Facility to Grid (EERE focus)
  - Farrokh Rahimi, Mark Knight & team
- 4B – Transactive Energy Applied to Building / Facility Energy Management (EERE focus)
  - Ken Wacks, Tony Giroti & team

The TEC Planning committee will be creating read ahead material that will be distributed a week before the meeting. The materials will include session descriptions; key questions to be discussed, an outline of section one of the Transactive Energy Framework document draft architectural representations and speaker, and participant bios. It is imperative that each team gets their session description finalized as soon as possible.

James Mater reported that the following have signed as sponsors:
- Smart Grid Oregon,
- Portland General Electric,
- Alstom
- Bonneville Power Administration
- CGI
- Landis & Gyr
- NEBC
- OATI
- Oregon BEST
- PSU Center for Public Service
- Resnick Institue.

Several more companies and groups are in the process of signing up for sponsorships and James asked council members to consider their companies for potential sponsorship. Sponsorship information can be found at http://pointview.com/s/131#sponsorshipinfo.

Ron Melton reminded the Council to register for the conference and book their hotel room prior to April 22 to receive the special room rate. Team leads need to schedule and attend workshop session team meetings immediately.

GWAC May Face-to-Face Planning

Ron Melton, GWAC Administrator

The Council chose to continue to conduct a workshop during the May face-to-face meeting. Ron Melton suggested a workshop with Andrew Nicholls from Pacific Northwest National Laboratory on the EERE Technology Opportunities Report on the afternoon of the first day of the meeting. The second day of the meeting would start with the workshop with the EERE Sensors and Controls. Sherry Kowalski will draft an agenda for Council review.

Transactive Energy Framework Update

Ron Melton, GWAC Administrator

A first cut of the Transactive Energy Framework outline has been created. Paul De Martini, Mark Knight, and Ron Melton are currently reviewing and editing the draft. The draft can be located on the transactive Energy Workshop SharePoint site at:
https://spteams1.pnnl.gov/sites/TEW2011/Document%20Library6/1/2013-04-02%20TE%20Framework%20Outline%20-%20(V0.2).doc

Two areas to be developed are the glossary of terms and the architecture section.

Action Items Review

- Ron Melton and Mark Knight to meet and plan future GWAC face-to-face meeting dates.

- Ron Melton to contact Aaron Snyder and Erich Gunther regarding information and materials needed for the Transaction Energy Conference sessions 3a and 3B.

- Council members are to email thoughts and ideas regarding holding GridInterop 2013.

- Ron Melton and Sherry Kowalski are to draft and distribute a second press release prompting smart grid community to register for conference.

Adjourn

Tracy Markie motioned to adjourn the meeting, James Mater seconded the motion. Meeting adjourned at 11:57 am.