

# **IL EE Stakeholder Advisory Group**

Monday, November 16 and Tuesday, November 17, 2016

10:30 am – 4:00 pm

## **Attendee List and Action Items**

Midwest Energy Efficiency Alliance (MEEA) / Webinar  
20 N. Wacker Drive, Suite 1301, Chicago

### **Monday, November 16, 2015 (Day 1) Attendee List**

Annette Beitel, EE SAG Facilitator  
Celia Johnson, SAG Facilitation Team  
Roger Baker, ComEd  
Neal Latham, ComEd  
Karen Lusson, IL AG  
Hammad Chaudhry, Nicor Gas  
John Madziarczyk, Nicor Gas  
Jim Jerozal, Nicor Gas  
Chris Vaughn, Nicor Gas  
Molly Lunn, Department of Commerce and Economic Opportunity  
Brian Bowen, FirstFuel  
Angela Ziech-Malek, CLEAResult  
Paul Smith, Franklin Energy, on behalf of Peoples Gas-North Shore Gas  
Pat Michalkiewicz, Peoples Gas-North Shore Gas  
Pat Sharkey, Environmental Law Counsel, on behalf of Midwest CoGen Association  
Daniel Lefevers, Gas Technology Institute  
John Paul Jewell, Environmental Law & Policy Center (ELPC)  
Carla Colamonic, Citizens Utility Board (CUB)  
Laura Goldberg, Citizens Utility Board (CUB)  
Ted Weaver, First Tracks Consulting, on behalf of Nicor Gas  
Keith Martin, Ameren IL  
Catie Krasner, Midwest Energy Efficiency Alliance (MEEA)  
Noelle Gilbreath, Community Investment Corp.  
Rob Neumann, Navigant Consulting  
Mike Brandt, ComEd  
George Malek, ComEd  
Cheryl Miller, Ameren IL  
Keith Goerss, Ameren IL  
Stefano Galiasso, Energy Resources Center, UIC  
Andrew Braatz, Nexant  
Larry Brown, CLEAResult  
William Burns, ComEd  
Andrew Cottrell, AEG  
Erin Daughton, ComEd  
Mark DeMonte, Jones Day, on behalf of Ameren IL  
Kevin Dick, Delta Institute

Wael El-Sharif, 360 Energy Group  
Norma Elizondo, Think Evolve  
Jim Fay, ComEd  
Noelle Gilbreath, Community Investment Corp.  
James Gowen, ADM  
Kevin Grabner, Navigant  
Brian Granahan, Illinois Power Agency  
Vincent Gutierrez, ComEd  
Rich Hackner, GDS Associates  
Margaret Hansbrough, City of Chicago  
Wayne Hartel, Department  
Arturo Hernandez, ComEd  
Travis Hinck, GDS Associates  
Julie Hollensbe, ComEd  
Jonathon Jackson, Ameren IL  
Bridgid Lutz, Nicor Gas  
Adam Margolin, Quarles & Brady, on behalf of REACT  
Wade Morehead, CLEAResult  
Phil Mosenthal, Optimal Energy, on behalf of IL AG  
Shraddha Mutyal, ERC/UIC  
Chris Neme, Energy Futures Group, on behalf of NRDC  
Antonia Ornelas, Elevate Energy  
Andrea Reiff, Department  
Doug Rossin, DNV-GL  
Elena Savona, Elevate Energy  
Suzanne Stelmasek, Elevate Energy  
Karen Winter-Nelson, SEDAC  
Ken Woolcutt, Ameren IL  
Jim Zolnierrek, ICC Staff  
Ali Al-Jabir, on behalf of IIEC  
Jessica Collingsworth, UCS  
Pat Giordano, DeReg Law  
Michael Marks, AEG  
Jessica Morrison, Grundfos

### **Day 1 Action Items / Follow-up**

Action items are indicated in **yellow highlight**.

### ***SAG Portfolio Planning Process (Annette Beitel, EE SAG Facilitator)***

- October feedback suggestions document – SAG Facilitation is working with utility planners to get responses to feedback discussed in October, as well as proposals discussed in November and December.
  1. A report-out on responses to feedback and proposals will be scheduled in January 2016.
- Questions to consider when reviewing proposed programs and ideas:
  1. Is there a certain budget size proposed?

2. If it is a new measure in the IL-TRM, what is the process proposed to get that measure included?
  - Can savings be deemed for proposed measure ideas, until the IL-TRM Version 6.0 process? This would require an interim workpaper. SAG Facilitation to check on this process in past EE dockets.
- Questions to consider during SAG proposal discussions:
  1. Are there any deal breakers or concerns with the proposal?
  2. Are there specific questions that also need to be considered?
- Small group teleconferences will be scheduled in December and January, as needed, for follow-up discussion on proposals.

***Draft EM&V Guidance – Clean Power Plan (Rob Neumann, Navigant Consulting)***

- SAG participants will not file joint comments on the draft EM&V Guidance document.

***Combined Heat and Power (CHP) Proposals – Ameren IL and ComEd (Pat Sharkey, Environmental law Counsel, on behalf of Midwest CoGen Association)***

1) Proposed Program Idea: ComEd CHP Pilot Program Marketing & Customer Outreach Program

- ComEd is working on 1-page marketing document that can be circulated for review (it is currently in draft, under internal review).

2) Proposed Program Idea: Ameren IL CHP Pilot Program

**Action Item:** SAG Facilitation to schedule a small group teleconference with interested participants in early January to discuss ComEd CHP marketing document and Ameren IL CHP proposal.

- Questions to discuss:
  1. What marketing or outreach actions has ComEd completed for CHP?
  2. What is the definition of “success” for CHP?
  3. Budget amount per year?
  4. How can CHP be marketed thoughtfully, setting expectations?
  5. Assurance on savings – how can they be deemed ahead of time?
  6. On the electric side, are we still working with single budgets?

***Proposed Measure Idea: Laminar Flow Restrictor Measure and Hospital Energy Audit Program (John Paul Jewell, ELPC)***

- Nicor Gas currently offers this measure to hospitals and doctor offices, through an assessment program. Nicor Gas is reviewing an initiative to focus directly on hospitals; looking to work with ComEd.
- ComEd has a specific hospital outreach program; dedicated outreach has been successful. As of August, 77% of 112 healthcare customers have participated, representing 414 projects and 9M annual savings.

- IL-TRM does not include hospital-specific assumptions for this measure; the savings would be a lot higher with this information.
- Phil Mosenthal will look into how this measure is delivered in Massachusetts – marketing, outreach, evaluation, success.

**Action Item: SAG Facilitation to schedule a small group call with interested participants in early January.**

- Questions to discuss:
  1. Which Program Administrator is offering this measure? For those offering this measure, what is the uptake?
  2. What is the current delivery mechanism? Should direct install be used?
  3. Can this measure be a way to increase uptake on other measures?
  4. Is there a similar aerator issue for healthcare facilities like nursing homes?
  5. Does this proposal change any EE Plans? Consider balance and not focusing too much on a particular sector.
  6. Deemed savings – this measure is not in the IL-TRM, and there is a greater opportunity for savings for healthcare installation.

***Voltage Optimization (Keith Goerss, Ameren IL and Roger Baker, ComEd)***

- 1) ComEd – proposing \$25M capital
- 2) Ameren IL – proposing \$2.3-\$3M capital
  - Keith G.: These programs would fi

Questions:

1. Can capitalized projects be run through Section 16-111.5B programs?
2. If a non-competitive customer is served off a feeder, does that mean they can't be served through Section 16-111.5B programs?
3. Is there support over using Section 16-111.5B instead of Section 8-103/8-104 as a source of funding?

**Action Items:** 1) Keith Goerss, Ameren IL to look into the Section 16-111.5B funding question for Voltage Optimization. 2) Keith Goerss, Ameren IL, to follow-up on whether equipment could be capitalized. 3) SAG Facilitation to add a follow-up discussion to the January 2016 meeting.

***Follow-up Program Ideas: Upstream Measures and LED Street Lighting (Chris Neme, Energy Futures Group, on behalf of NRDC; Phil Mosenthal, Optimal Energy, on behalf of IL AG)***

- 1) Upstream Measure Examples presentation (NRDC)
  - Upstream as defined in this presentation = anything further up the chain than the customer (both distribution and manufacturing). Upstream vs. midstream depends on the measure.

**Action Item:** SAG Facilitation to schedule a small group discussion on the upstream proposal in December. For additional follow-up questions, contact Chris Neme and Phil Mosenthal. Combine this with the pumping optimization measure small group call (midstream proposal).

- Questions:
  1. What are the right measures to start with?
  2. Who should offer this?
    - Statewide, including the Department if possible.
  3. Outreach / marketing?
  4. Program design?
    - What should the incentive be? Leakage issue; holding distributors / manufacturers accountable to offer incentive to customers; are parameters needed?
    - How to keep Trade Allies engaged and happy?
  5. How does this work with existing custom and prescriptive programs?
  6. Savings – how to ensure that savings are not double-counted.
  7. Are there examples of where the upstream approach has worked for public sector or low income customers?
  8. How does this impact NTG?

2) IL AG Memo on Program Administrator Objectives; LED Street Lighting Proposal (Phil Mosenthal)

- Do LEDs withstand electrical storms, power surges, etc?
  - The Department of Energy has completed testing on this. See the attached document from Rose Jordan, MEEA.
- Advanced controls to street lighting offer a lot of additional savings.
- According to the Department's last Potential Study, approximately 8% of usage comes from street lighting. The Department is interested in a list of municipal customers that will be part of the Section 16-111.5B LED Street Lighting program for EPY8-9 (ComEd).

**Action Item:** SAG Facilitation to schedule a small group discussion on LED street lighting in December.

- Questions:
  1. Which municipalities own their streetlights?
  2. What is the lifetime of LED streetlights?

### **Tuesday, November 17, 2015 (Day 2) Attendee List**

Annette Beitel, EE SAG Facilitator

Celia Johnson, SAG Facilitation Team

Jessica Morrison, Grundfos

Stephen Putnam, Grundfos

Brian Bowen, FirstFuel

John Madziarczyk, Nicor Gas

Jim Jerozal, Nicor Gas

Ted Weaver, First Tracks Consulting, on behalf of Nicor Gas

Chris Vaughn, Nicor Gas  
Anne Mitchell, on behalf of Nicor Gas  
Claire Cowen, Seventh Wave  
Sue Nathan, AEG, on behalf of Peoples Gas-North Shore Gas  
Andrew Braatz, Nexant  
Pat Michalkiewicz, Peoples Gas-North Shore Gas  
Paul Smith, Franklin Energy, on behalf of Peoples Gas-North Shore Gas  
Stefano Galiasso, Energy Resources Center, on behalf of UIC  
Rob Neumann, Navigant Consulting  
Mike Brandt, ComEd  
Karen Lusson, IL AG  
John Paul Jewell, ELPC  
Keith Martin, Ameren IL  
Cheryl Miller, Ameren IL  
Keith Goerss, Ameren IL  
Rose Jordan, Midwest Energy Efficiency Alliance (MEEA)  
Rick Bain, Embertec  
Domenico Gelonese, Embertec  
George Malek, ComEd  
Randy Gunn, Navigant  
Tim Melloch, TM Consulting, on behalf of FirstFuel  
David Baker, ERC/UIC  
Larry Brown, CLEAResult  
Hammad Chaudhry, Nicor Gas  
Carla Colamonici, Citizens Utility Board  
Andrew Cottrell, AEG  
Erin Daughton, ComEd  
Wael El-Sharif, 360 Energy Group  
Jim Fay, ComEd  
Noelle Gilbreath, Community Investment Corp.  
Laura Goldberg, CUB  
James Gowen, ADM  
Kevin Grabner, Navigant  
Brian Granahan, Illinois Power Agency  
Rich Hackner, GDS Associates  
Margaret Hansbrough, City of Chicago  
Arturo Hernandez, ComEd  
Travis Hinck, GDS Associates  
Ryan Hoger, Temperature Equipment Corp.  
Molly Lunn, Department  
John Mascarenhas, CLEAResult  
Wade Morehead, CLEAResult  
Phil Mosenthal, Optimal Energy, on behalf of IL AG  
Chris Neme, Energy Futures Group, on behalf of NRDC  
Jansen Pollock, ComEd  
Andrea Reiff, Department

Suzanne Stelmasek, Elevate Energy  
Todd Thornburg, ComEd  
Kristol Whatley, Ameren IL  
Chris Wheat, City of Chicago  
Ken Woolcutt, Ameren IL  
Angela Ziech-Malek, CLEAResult  
Pat Giordano, DeReg Law  
Michael Marks, AEG

### **Day 2 Action Items / Follow-up**

Action items are indicated in **yellow highlight**.

#### ***Follow-up: SAG Portfolio Planning Process (Various)***

- Overview of draft Overall Objectives (Celia Johnson, SAG Facilitation)
  - SAG Facilitation will follow-up with Program Administrator planners on draft Cross-Cutting Portfolio Objectives. A follow-up topic will be scheduled in January for stakeholder feedback and discussion.
- Policy Manual – Confirm that the Policy Manual is a threshold document for the next 3-year Plans (Karen Lussion, IL AG)
  - No objections. The Commission Final Order for Policy Manual Version 1.0 is expected by the end of 2015.
- Stipulation (Karen Lussion, IL AG)
  - Attorneys continue to work on this draft. The draft Stipulation will be split to create a separate gas and electric template.
  - Suggestion: Add cross-cutting Program Administrator objectives to the stipulation.
- Acknowledgement / Agreement (Mark DeMonte, on behalf of Ameren IL)
  - Attorneys continue to work on this draft.
  - SAG Facilitation to add a follow-up topic on the draft Stipulation and Acknowledgment and Agreement to the January 2016 meeting, and may also add time for a quick update in December.
- Small Group Follow-up – Questions to Address (Annette Beitel, EE SAG Facilitator)
  - Small group calls to be scheduled in December and January (1 hour for each topic). Meeting invitations will be sent to the SAG distribution list in case participants are interest in attending small group calls.
  - Joint programs – sometimes it is gas-gas (not electric-gas) – Sue Nathan
  - Utilities have prepared a budget document chart – Sue to send to Karen.
  - Q to add (Karen L.): If someone is adding a program, where should the dollars be pulled from?
- Upcoming due date – proposed policies:
  - Policy Manual Version 2.0 is anticipated to begin in early 2016. The Commission Final Order is expected to be complete in late 2015.
  - Completed Proposed Policy Templates are due by COB on Friday, December 4.

**Proposed Measure: Mid-stream Pump Program for Unitary (VFD, ECM Motor and Pump), Self-Optimized Pumping Solutions (Jessica Morrison and Stephen Putnam, Grundfos Pump Corp.)**

**Action Item:** SAG Facilitation to schedule a small group discussion in December (combine with the small group upstream/midstream call).

- Questions:
  1. Success in other jurisdictions:
    - Efficiency Vermont, Massachusetts and Connecticut.
    - See the attached Q-Sync Motors Report from Oak Ridge National Laboratory (Sept. 2015).
  2. Delivery channel possibilities:
    - Distributor (midstream)
    - Manufacturer rep, to sell to contractors (upstream)
  3. Market share – what is the possibility in IL for this measure?
    - Jessica/Stephen to follow-up.
    - What additional IL data do we need?
  4. What should the incentive be?
    - For Efficiency Vermont, incentives ranged from \$100 to \$600.
  5. Cost information?
    - Smart pumps are approximately 30% higher in cost. Cost may depend on the application.
    - This is needed to run cost-effectiveness analysis. Information by pump would be helpful, for both cost and savings.
  6. Measure lifespan?
    - Approximately 15 years.
  7. Energy savings?
    - Water savings
    - Gas savings – when will information be available? Jessica/Stephen to follow-up. They have engaged with Nicor Gas through the Emerging Technologies Program.

**Proposed Measure: Tier 2 Commercial APS Measure (Domenico Gelonese, Embertec)**

**Action Item:** Is this measure cost-effective in Illinois?

- Ameren IL (Keith Goerss), ComEd (Roger Baker), and Molly Lunn (Department) will work with Embertec on this question. SAG Facilitation to set-up this call. Once there is an answer, SAG Facilitation will determine whether any additional follow-up is needed.

**Proposed Program: Building Analytics (Brian Bowen, FirstFuel; Tim Melloch, TM Consulting)**

- Focus on commercial buildings. This is a tool that can be used in multiple programs. There is also a customer-facing opportunity.
- Remote audit = the equivalent of an ASHRAE Level 2 audit



**Action Items:** 1) SAG Facilitation to schedule a future presentation by ComEd on four operational savings avenues (related to RCx programs). 2) SAG Facilitation to schedule a small group discussion in December.

- Questions:
  1. What problem are we trying to solve?
    - Using AMI data, analyzing opportunities, convert opportunities in a faster, more efficient way. There is interest from stakeholders on using AMI data.
  2. How could this technology be used for various EE programs? Could this be a good approach for a pilot program?
  3. What is the cost difference from a “remote” audit to an in-person audit?
    - Remote audit is much less expensive; it can vary. Approximately half the cost.
  4. How can the utilities work with the Department to figure out access to customer data?
  5. Is there variability in audit findings between remote and on-site audits?
  6. What is the conversion rate from audits to projects?
    - Apx. 50-70%.
  7. Savings – how can IL evaluators recognize savings from operations / controls?
    - Example: WI counts “claim only savings.”

***Proposed Program Change: Small and Medium Business Efficiency Program (Ameren IL)***

- No specific follow-up on this topic.

***Next Steps: Proposed Program and Program Changes (Annette Beitel, EE SAG Facilitator)***

- SAG Holiday Dinner – Save the date for the evening of Monday, Dec. 14.
- AESP Quarterly Event – SAG members are invited to attend the AESP Chicago Chapter quarterly meeting on the “Utility of the Future” from 5:30 – 8:30 pm on Tuesday, Dec. 15.
  - Click here to register: <http://www.eventbrite.com/e/aesp-chicago-chapter-q4-meeting-sponsored-by-seel-registration-19294314815>
  - Please note: There is a small registration fee. Appetizers and drinks will be provided.
- **Action Item:** SAG participants to review the draft Small Group discussion questions. Send comments and/or additional questions to SAG Facilitation ([Celia.Johnson@FutEE.biz](mailto:Celia.Johnson@FutEE.biz)) by COB on Monday, November 30.