

IL EE Stakeholder Advisory Group

Attendee List and Action Items – December 14-16, 2015 SAG Meetings

Monday, December 14, 2015 (Day 1)
10:30 am – 5:00 pm
Midwest Energy Efficiency Alliance (MEEA)
20 N. Wacker Drive, Suite 1301, Chicago

Note: Action Items are indicated in yellow highlight for each meeting date.

Attendee List

Annette Beitel, EE SAG Facilitator
Celia Johnson, SAG Facilitation
Roger Baker, ComEd
Keith Goerss, Ameren IL
Mathias Bell, OPower
John Madziarczyk, Nicor Gas
Jim Jerozal, Nicor Gas
Kate Brown, University of Illinois
Nora Naughton, MEEA
Chris Vaughn, Nicor Gas
Paul Smith, Franklin Energy, on behalf of Peoples Gas-North Shore Gas
Julia Hollensbe, ComEd
Rob Neumann, Navigant Consulting
Todd Thornburg, ComEd
Pat Michalkiewicz, Peoples Gas-North Shore Gas
Jake Oster, EnergySavvy
Jamie Peters, EnergySavvy
Sue Nathan, AEG, on behalf of Peoples Gas-North Shore Gas
Kevin Dick, Delta Institute
Randy Gunn, Navigant Consulting
Molly Lunn, Department of Commerce and Economic Opportunity
John Paul Jewel, Environmental Law & Policy Center
Suzanne Stelmasek, Elevate Energy
David Baker, Energy Resources Center / UIC
Karen Lusson, IL AG
Laura Goldberg, Citizens Utility Board
Carla Colamonici, Citizens Utility Board
Anne McKibbin, Elevate Energy
Cheryl Miller, Ameren IL
Noelle Gilbreath, Community Investment Corp. (CIC)
Stacie Young, CIC
Dan Lefevers, Gas Technology Institute
Jim Armstrong, Lockheed Martin
Kristol Whatley, Ameren IL
Danisha Hall, ICC
Chris Neme, Energy Futures Group, on behalf of NRDC
Rose Jordan, Midwest Energy Efficiency Alliance (MEEA)

Jim Wheaton, CIC
Julia Friedman, MEEA
Sage Gerson, MEEA
Sally Agnew, Department of Commerce and Economic Opportunity
Hannah Arnold, Opinion Dynamics
David Baker, Energy Resources Center, UIC
Kim Ballard, Ameren IL
Brian Bowen, FirstFuel
Andy Braatz, Nexant
Larry Brown, CLEARResult
Hammad Chaudhry, Nicor Gas
Andrew Cottrell, AEG
Deirdre Coughlin, Department of Commerce and Economic Opportunity
Ben Crandall, CLEARResult
David Diebel, ADM
Wael El-Sharif, 360 Energy Group
Jeff Erickson, Navigant Consulting
Jim Fay, ComEd
Kevin Grabner, Navigant Consulting
Brian Granahan, Illinois Power Agency
Mary Ellen Guest, Historic Chicago Bungalow Association
Vince Gutierrez, ComEd
Rich Hackner, GDS Associates
Margaret Hansbrough, City of Chicago
Wayne Hartel, Department of Commerce and Economic Opportunity
Arturo Hernandez, ComEd
Travis Hinck, GDS Associates
Ryan Hoger, Temperature Equipment Corp.
John Paul Jewell, Environmental Law & Policy Center
Nick Lovier, Ameren IL
Bridgid Lutz, Nicor Gas
George Malek, ComEd
Keith Martin, Ameren IL
Wade Morehead, CLEARResult
Jennifer Morris, ICC Staff
Phil Mosenthal, Optimal Energy, on behalf of IL AG
Shraddha Mutyal, Energy Resources Center, UIC
Jeremy Offenstein, ADM
Deb Perry, Ameren IL
Jansen Pollock, ComEd
Anthony Star, Illinois Power Agency
Ken Woolcutt, Ameren IL
Angela Ziech-Malek, CLEARResult
Jim Zolnierek, ICC Staff
Jessica Morrison, Grundfos
Josh Arnold, Navigant Consulting

Action Items

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

- SAG Facilitation to discuss draft overall budget template with utility and Department planners for the January SAG meetings.
- **Action Item:** SAG Facilitation to schedule a follow-up call on 2016 scheduling in early January. SAG Facilitation to share a draft schedule matrix for 2016 in early January and schedule a follow-up call to discuss. The draft schedule will include: scheduled Portfolio Planning meetings; Policy Manual Subcommittee meetings; IPA docket meetings; NTG meetings; “Parking Lot” topics; etc.

Proposed Program Ideas: Low Income Program and Low-Moderate Income Program (Karen Lusson, IL AG)

- Questions for Small Group Follow-Up Call:
 1. How are low income programs defined in IL?
 - The Department designs programs to serve 80% AMI; but customers are eligible up to 150%. Generally the Department ends up serving the lowest income customers. Between 80% and 150% is one gap. 80% AMI is included in the statute because some HUD programs use 80% instead of 150%.
 2. What is the low income comparison to overall customers?
 3. Where is the greatest need? Are there gaps that need to be served?
 4. Do traditional multifamily utility programs also touch low income households?
 5. Challenge – low income rental units (how to reach landlords / owners)?
 6. What low income and moderate income programs are considered the most successful?
 7. How much budget should be spent in the next EE Plans on low and moderate income customers?
 - A) How would that \$ best be spent? What is the best approach to serve these customers?
 - Proposal options: 1) Higher rebates for current programs; 2) Utilities contracting directly with Department contractors.
 - B) What is the market potential for programs that would be impacted? The cost could be prohibitive to add income qualification to an existing program.
 8. Low income programs are more costly; if dollars are shifted, will stakeholders accept lower goals in EE Plans?
 - For example: Adding budget to low income offerings may result in lower savings goals.
 9. Cost-Effectiveness –
 - A) Low income programs – what is an acceptable TRC?
 - B) Which non-cost-effective measures should be included, and in what quantities?

Action Items:

1. SAG Facilitation to schedule small group follow-up call on low / moderate income programs.
2. SAG Facilitation reach out to current low income implementers on whether there are gaps in the current low income programs.
3. What % of a utility service territory falls into this category, compared to the residential portfolio dollars? Karen Lusson to work with David Baker and Molly Lunn to provide \$ by utility and by commodity for a strawman proposal. How much more \$ could be allocated to these customer groups?

4. Slide 3- is this the same statutory language for Section 8-104? Karen Lusson to double-check.
5. How did ERC arrive at the figures in the referenced report? Can this document be shared? Molly Lunn and David Baker to follow-up.
6. Nicor Gas is putting a tool together to show how shifts would impact the portfolios – SAG Facilitation to follow-up with Jim Jerozal and Hammad Chaudhry and add this to the January SAG meeting.

Cross-Cutting Proposals: EE Diversity

- Small Group Questions (additional questions to be determined):
 1. What is currently being done?
 2. What more can be done?
- **Action Item:** SAG Facilitation to schedule a small group call on EE diversity in January 2016. Danisha Hall, ICC Office of Community and Diversity Affairs, will lead this call.

Proposed Program Idea: Delta Lumin (Low Income) (Kevin Dick, Delta Institute)

- This is a proposal combining behavior change + smart meter elements. Flexible payment will be piloted over the next few months. This could be considered a marketing approach.
- Engagement needs to come from a trusted resource for low income customers.
- Cost of acquisition for participants is up to \$1,000 per person when starting up.
- Approximate savings – 15 to 20% (gas and electric) per person from conservation actions.
- Questions for Small Group Discussion:
 1. Where does this proposal fit? With the Department or utility programs?
 - Behavioral – Department; Marketing – utilities
 2. What would this proposal replace or supplement what already exists, if it was utilized?
 3. What would the cost of acquisition be for this proposal?
- **Action Item:** SAG Facilitation will include this proposal in the low income / moderate income follow-up call in early January.

Proposed Program Changes: Multifamily Programs (Stacie Young, Community Investment Corp.)

- **Action Item:** SAG Facilitation to schedule a small group follow-up call in early February on data, coordination, and the marketing working group proposal.
 1. Data – CIC would like to understand what's possible with the utilities.
 - How much \$ is currently being spent on multifamily? Is that proportionate to the amount of funding out there? What is the trend? What is the need? Should more \$ be spent?
 - What is the need of customers? How can we match that need with offerings?
 - What is the participation in various programs?
 - The utilities are bringing this information together for CIC; expected by February.
 2. Coordination – What are the different programs serving multifamily? Can they be coordinated better than they currently are? What is the recommendation on how to coordinate better?
 3. Marketing Working Group – reach agreement on this

- The following questions will be included in the low / moderate income small group call in January 2016:
 1. Public Housing – is this sector adequately being served?
 2. Low Income Programs – What are the limitations? What are the needs?

Proposed Program Idea: Geographically Targeted Pilot Program (Stacie Young, Community Investment Corp.)

- **Action Item:** SAG Facilitation will include this proposal in the low income / moderate income follow-up call in early January.
 - Questions for discussion:
 1. How do we define low and moderate income programs?
 2. What additional funds are available for customers?
 3. How could this proposal complement Department offerings?
 4. Are there issues with language barriers? How is this being addressed?

Proposed Program: Ameren IL Free Energy Savings Kits (Carla Colamonini and Laura Goldberg, Citizens Utility Board)

- Molly Lunn would like to discuss whether this makes sense for the Department to offer.
- Ameren IL current kit offerings – Rural Efficiency Kit (IPA), Moderate Income Kit, School Kit.
- Nicor Gas kits – customer participation is through responses to bill inserts and email campaigns, as well as events. The program has been very successful; distribution of 40,000 kits.
- **Action Item:** SAG Facilitation will include this proposal in the low income / moderate income follow-up call in early January.

Proposed Program Changes: On Bill Financing (Carla Colamonini, Citizens Utility Board; Stacie Young, Community Investment Corp.)

- OBF – CUB
 - Is there a barrier to the OBF loan being tied to the meter?
 - **Action Item:** Are there studies on how OBF works for renters? Carla Colamonini, CUB, will share with SAG.
 - The Department is considering OBF buy-down under market transformation.
 - Questions:
 1. For rental properties, how would this be handled when a person moved? This needs to be addressed. There may be different practices in different states. Is there a need to re-certify the next tenant? How would that process work? Energy Futures Group has looked at this – follow-up with Chris Neme.
- OBF – CIC
 - No follow-up questions.

IL EE Stakeholder Advisory Group

Tuesday, December 15, 2015 (Day 2)

10:30 am – 5:00 pm

Midwest Energy Efficiency Alliance (MEEA)

20 N. Wacker Drive, Suite 1301, Chicago

Attendee List

Annette Beitel, EE SAG Facilitator
Celia Johnson, SAG Facilitation
Roger Baker, ComEd
Chris Neme, Energy Futures Group, on behalf of NRDC
Karen Lusson, IL AG
Hammad Chaudhry, Nicor Gas
Ted Weaver, First Tracks Consulting, on behalf of Nicor Gas
Jim Jerozal, Nicor Gas
John Madziarczyk, Nicor Gas
Chris Vaughn, Nicor Gas
Jamie Peters, EnergySavvy
Jake Oster, EnergySavvy
Julie Hollensbe, ComEd
Todd Thornburg, ComEd
Rob Neumann, Navigant
Mathias Bell, OPower
Arturo Hernandez, ComEd
Mike Brandt, ComEd
Stefano Galiasso, Energy Resources Center, UIC
Rick Bain, Embertec
Pat Michalkiewicz, Peoples Gas-North Shore Gas
Sue Nathan, AEG, on behalf of Peoples Gas-North Shore Gas
Paul Smith, Franklin Energy
Cheryl Miller, Ameren IL
Keith Goerss, Ameren IL
Kristol Whatley, Ameren IL
Brian Bowen, FirstFuel
Iris Caldwell, Energy Resources Center, UIC
Carla Colamonini, Citizens Utility Board
Laura Goldberg, Citizens Utility Board
Catie Krasner, MEEA
Noelle Gilbreath, Community Investment Corp.
Charley Budd, Navigant
Jim Armstrong, Lockheed Martin
Sally Agnew, Department of Commerce and Economic Opportunity
Hannah Arnold, Opinion Dynamics
Koby Bailey, Peoples Gas-North Shore Gas
David Baker, Energy Resources Center, UIC
Kim Ballard, Ameren IL
Brian Bowen, FirstFuel
Andy Braatz, Nexant
Larry Brown, CLEARresult

Charley Budd, Navigant Consulting
Deirdre Coughlin, Department of Commerce and Economic Opportunity
Ben Crandall, CLEAResult
Erin Daughton, ComEd
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Kevin Grabner, Navigant Consulting
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Vince Gutierrez, ComEd
Rich Hackner, GDS Associates
Margaret Hansbrough, City of Chicago
Travis Hinck, GDS Associates
Ryan Hoyer, Temperature Equipment Corp.
Kelsey Horton, MEEA
Michael Li, U.S. DOE
Nick Lovier, Ameren IL
Molly Lunn, Department of Commerce and Economic Opportunity
Keith Martin, Ameren IL
Wade Morehead, CLEAResult
Jennifer Morris, ICC Staff
Phil Mosenthal, Optimal Energy, on behalf of IL AG
Agnes Mrozowski, Ameren IL
Shraddha Mutyal, Energy Resources Center, UIC
Jeremy Offenstein, ADM
Antonia Ornelas, Elevate Energy
Deb Perry, Ameren IL
Jansen Pollock, ComEd
Andrea Reiff, Department of Commerce and Economic Opportunity
Anthony Star, Illinois Power Agency
Suzanne Stelmasek, Elevate Energy
Erin Stitz, AEG
Ken Woolcutt, Ameren IL
Jim Zolnierek, ICC Staff
Jessica Morrison, Grundfos
Laura Agapay-Read, Navigant Consulting
Josh Arnold, Navigant Consulting

Action Items

Statewide Marketing Proposal (Karen Lusson, IL AG)

- Suggestions:
 - CUB – it would be helpful for consumer groups to be educated regularly by utilities / Program Administrators. It's not always easy to track program availability and changes.
 - IPA programs should be listed on utility websites.
 - Could the ICC list EE programs on their website?
 - Could the Department link to all utility EE programs on their website?

- **Action Item:** SAG Facilitation to schedule a small group follow-up call on early January, and invite a marketing expert to join the discussion.
- Questions (small group follow-up call):
 1. What do people search for when they look for EE programs?
 2. What are the priority channels of communication for customers? The website isn't necessarily the primary driver of program participation.
 3. How can Search Engine Optimization (SEO) be utilized? How do the utilities current use this?
 4. Can the Department providing wording / call center / website information for utilities to link to the Illinois Energy Now EE programs?
 5. Can the Department link to all utility EE programs on their website (single landing page?)
 6. Do stakeholders have feedback and/or suggestions on current Program Administrator EE websites?

Nicor Gas Portfolio Proposal (Chris Vaughn, Nicor Gas)

- No follow-up.

Ameren IL Residential Proposals (Keith Goerss, Ameren IL)

- Proposal: Advance Pay as an opt-in program.
- **Action Item:** What are the costs / savings associated with this proposal? Keith Goerss, Ameren IL to provide.

Residential Proposals (CUB, NRDC, Metropolitan Mayors Caucus and Elevate Energy)

Proposed Change to ComEd Appliance Rebates Program; Expansion of Ameren IL Appliance Rebates (CUB)

- Proposal: Focus on low / moderate income customers.
- ComEd is looking into adding a room A/C for PY9 and reviewing cost-effectiveness.. This is a good idea for low / moderate income discussion. There is a fairly high market share of units out there.
- The Department offers this A/C rebate in the Residential Retrofit Program. The Department will send incentive information to CUB.
- Ameren IL would like feedback from stakeholders on cost-effectiveness; Ameren IL is interested in reviewing further.
- **Action Item:** Both program ideas will be included in the low / moderate income small group meeting in early January to discuss any additional questions.

All Electric Home Retrofit – Chris Neme, on behalf of NRDC

- Proposal: All electric savings; all residential; included in IPA.
- How many customers are electric-heat only for Ameren IL and ComEd?
 - City of Chicago is about 12% all electric heat customers.
 - SAG Facilitation to check with Ameren IL and ComEd Potential Study.
- Ameren IL is considering an all-electric offering in the next EE Plan; not necessarily in IPA.
- ComEd is looking at all-electric weatherization; there is an IPA program for multifamily City of Chicago residents. Also reviewing TRM changes that could impact the program (such as savings for insulation and air sealing).
- Open question – whether this program should be included in IPA. IPA proposal to be discussed at January SAG.

Tree Shade for Energy Savings (Metropolitan Mayors Caucus and Elevate Energy)

- Proposal: Targeting tree planting in single family homes with yards.
- ComEd currently offers trees to customers through a vegetation management program (not EEPS).
- Proposal option ideas:
 - If there is interest in this offering, this measure could go through the next IL-TRM process.
 - This could be an educational component of a market transformation offering.
 - This could be submitted through IPA if it passes the cost-effectiveness threshold.
- Policy question – lifecycle savings vs. first year savings? Savings from this proposed measure are long term. A legislative change may be needed to count savings from a measure like this.
- **Action Item:** What is the lifetime savings estimate for this proposal? (Metropolitan Mayors Caucus and Elevate Energy will follow-up).

Demand Response – ComEd and Ameren IL (CUB)

- Proposal: CUB would like to see an increase in the A/C Cycling program offering for ComEd. CUB would like to see Ameren IL offer a similar program.
- Next steps: ComEd is looking at how to get beyond the actual switch – such as smart t-stats for demand response.
- Do stakeholders want to see \$ going to demand response?
 - CUB – would like to see this down the road; once there is more opportunity for smart meters, etc.
 - NRDC – would rather not spend \$ on things that are purely demand response because it would take \$ away from EE.
- No specific follow-up items.

Proposed Program Change – EnergySavvy (Tim Guiterman, EnergySavvy)

- Proposal: smart t-stats; home performance. This is a management tool and evaluation support tool.
- Questions for discussion:
 1. Is this another example of data analytics?
 2. Who else is in the data analytics market?
 3. What is the cost for each sector of use?
 4. Where can this software be used? Ideas and questions on how to utilize:
 - Program management / operations – Does this link to the tracking system?
 - Interactive effects – Could this be used for Home Performance?
 - Insulation / air sealing measure results in IL TRM example – This software could be used to understand what is causing the savings change.
 - Savings –
 - Does this help go beyond first year savings?
 - Given the policy framework in IL (TRM), is real time savings necessary?
 - Use in the evaluation process –
 - Can this be used for an evaluation study through using billing analysis data?
 - Does a tool like this minimize work / cost for evaluators?
 - Evaluation role – evaluators complete reports; determine if measures have been removed; etc.

- Billing analysis – what programs can it be utilized for?
- AMI data –
 - How can this software utilize AMI data?
 - Is it a requirement to have AMI data available?
- 5. Success in other jurisdictions?
 - How many utilities were already using their own tracking system with quality control procedures? How much were they doing beforehand?

- **Action Items:**

1. Two papers on “EM&V 2.0” were released this week, from ACEEE and NEEP. EnergySavvy will provide and SAG Facilitation will circulate to SAG.
2. A small group follow-up call is scheduled on Wednesday, January 13 from 11:00 am – 12:00 pm.

Proposed Program Ideas: Washing Machines (John Paul Jewell, ELPC)

Washing Machine Early Retirement Proposal

- Proposal: There is still a secondary market for older washing machines being re-sold and used; this program would take them off the market.
- Savings – there are gas, electric, and water savings
- Questions:
 - Is this feasible with JACO issue / low scrap prices?
 - Are the delivery strategies cost-effective?
 - California workpaper – are there any assumptions that differ in IL?
- **Action Item:** SAG Facilitation to circulate the California workpaper prepared by NRDC; Program Administrator planners will review.

Cold Water Washing Proposal

- The Nicor Gas Emerging Technology Program is testing cold water washing (ozone laundry) for residential. Also residential behavior program targeting multifamily buildings. Hammad will follow-up on program strategies.
- **Questions:**
 1. How have other utilities implemented this?
 - Could this be included in an existing behavioral modification program or for market transformation?
 - Are there additional marketing strategies that could be implemented
 2. How have other utilities verified the usage?
 3. How would savings be measured?
 - Surveys? Are there other suggestions that would be applicable to count savings by serving?
 4. Concern with free riders; what is the persistence? How many people were already washing in cold water?
 5. Are there any evaluation reports on this idea? California may have looked at this.
 6. The presentation showed usage going up; however that seems opposite of what some utilities are noticing across the U.S. Where did the usage data come from?
- **Action Item:** SAG Facilitation to send the follow-up questions to ELPC. SAG Facilitation will discuss next steps with utility planners and determine if a separate follow-up call is needed.

IL EE Stakeholder Advisory Group

Wednesday, December 16, 2015 (Day 3)

10:30 am – 4:30 pm

Midwest Energy Efficiency Alliance (MEEA)

20 N. Wacker Drive, Suite 1301, Chicago

Attendee List

Celia Johnson, SAG Facilitation
Roger Baker, ComEd
Mike Brandt, ComEd
Kristol Whatley, Ameren IL
Paul Smith, Franklin Energy
Todd Thornburg, ComEd
Rob Neumann, Navigant Consulting
Carl Uthe, Embertec
Rick Bain, Embertec
Stefano Galiasso, Energy Resources Center, UIC
Dan Lefevers, Gas Technology Institute
Sue Nathan, Applied Energy Group, on behalf of Peoples Gas – North Shore Gas
Rose Jordan, Midwest Energy Efficiency Alliance
Keith Goerss, Ameren IL
Nora Naughton, MEEA
John Paul Jewell, Environmental Law & Policy Center
Dave Costenaro, Applied Energy Group
Hammad Chaudhry, Nicor Gas
Ted Weaver, First Tracks Consulting, on behalf of Nicor Gas
Chris Vaughn, Nicor Gas
Jim Jerozal, Nicor Gas
Carla Colamonici, Citizens Utility Board
Laura Goldberg, Citizens Utility Board
John Madziarczyk, Nicor Gas
Amanda Ackerman, Navigant Consulting
Brian Bowen, FirstFuel
Andy Braatz, Nexant
Larry Brown, CLEARresult
Thad Carlson, TrickleStar
Andrew Cottrell, AEG
Deirdre Coughlin, Department of Commerce and Economic Opportunity
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Jeff Erickson, Navigant Consulting
Jim Fay, ComEd
Domenico Gelonese, Embertec
Pace Goodman, Navigant Consulting
Kevin Grabner, Navigant Consulting
Brian Granahan, Illinois Power Agency
Andrey Gribovich, Energy Resources Center, UIC
Rich Hackner, GDS Associates
Margaret Hansbrough, City of Chicago

Arturo Hernandez, ComEd
Travis Hinck, GDS Associates
Ryan Hoger, Temperature Equipment Corp.
Kurtis Kolnowski, AEG
Doug Kosar, Gas Technology Institute
Marilla Lamb, Navigant Consulting
Nick Lange, VEIC
Molly Lunn, Department of Commerce and Economic Opportunity
Karen Lusson, IL AG
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Jeremy Offenstein, ADM
Deb Perry, Ameren IL
Jansen Pollock, ComEd
Bill Provencher, Navigant Consulting
Ingrid Rohmund, AEG
Anthony Star, Illinois Power Agency
K. Walter, AEG
Lei Wang, Nexant
Scott Wilson, BITS Limited
Ken Woolcutt , Ameren IL
Jim Zolnierek , ICC Staff

Wednesday, December 16 (Day 3) Action Items

Tier 1 APS Proposal (Thad Carlson, TrickleStar)

- No small group follow-up needed. Ameren IL, ComEd, and the Department are considering this Tier 1 proposal as a measure, not as a separate program; cost-effectiveness is under review.

Tier 2 Joint Proposal (TrickleStar and Embertec)

- No small group follow-up needed. Ameren IL, ComEd, and the Department are considering this Tier 2 proposal as a measure, not as a separate program; cost-effectiveness is under review.

Open Energy Efficiency Proposal (Matt Gee, Open Energy Efficiency)

- Open EE Meter = savings at the meter
- Open source MIT license – allows reuse (the code can be found online). Uses “Python” programming language, which is open source language.
- Outputs are gross savings, not net savings.
- Questions: Open EE Meter Small Group Follow-Up Call
 1. What is the proposal for IL?
 2. What are the actual savings vs. the claimed savings?
 3. Where can the bias correction be completed?

4. Is there a perverse incentive for vendors, i.e. to not care about attribution?
5. Has an evaluation of this concept been completed?
6. Is AMI data required?

- **Action Items:**

1. SAG Facilitation will work with utility and Department planners to determine if there are additional follow-up questions
2. A small group follow-up call will be scheduled in early January.

Smart T-stat Evaluation Results – Gas Impact Findings (Nicor Gas and Navigant Consulting)

- **Action Items:**

1. Navigant will share calculations Excel file for review.
2. Electric smart t-stat results – there was a data issue with IT results; a number of data points had double the consumption points. ComEd will provide updated data to Navigant for another analysis. A follow-up presentation will be scheduled at a future SAG meeting once updated electric results are ready.

Ameren IL Potential Study Results - Residential and Commercial & Industrial (AEG)

- Potential is for the entire service territory; not low income specifically. AEG has the ability to look into this as needed.
- Update from October SAG presentation – residential models revised; additional focus on a few measures, as requested; created a measure-level data file (behavioral not included at this time); added segmentation – single family; multifamily; low income; moderate income; etc.
- Policy issue – the potential for furnaces is not included because it does not pass cost effectiveness; do we want to exclude furnaces from a low / moderate income program?
- **Action Item:** Ameren IL would like feedback from stakeholders on the portfolio mix. If you have any feedback or specific questions, please send to:
 - Dave Costenaro, AEG (dcostenaro@appliedenergygroup.com and
 - Keith Goerss, Ameren IL (Kgoerss@Ameren.com).