

**Illinois EE Stakeholder Advisory Group (SAG)
Evaluation Plan Meeting (Day 1)**

Tuesday, December 2, 2025
9:30am – 12:00pm
Teleconference

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Meeting Materials

Posted on the [December 2 meeting page](#) of the SAG website:

- [Tuesday, December 2 SAG Evaluation Plan Meeting Agenda](#)
- [SAG Facilitator Introduction to December 2, 2025 SAG Meeting](#)
- [Opinion Dynamics Presentation: Ameren Illinois 2026-2029 Evaluation Plan](#)
- [Guidehouse Presentation: ComEd 2026 Evaluation Plan](#)

Attendees

Name	Company or Organization
Celia Johnson	Facilitator (Celia Johnson Consulting)
Zoe Knaus	SAG Facilitation Support (Inova Energy Group)
Adam Roche	Cascade Energy
Andrea McKenna	Cascade Energy
Andrey Gribovich	DNV
Andy Vaughn	Leidos
Arvind Singh	DNV
Bobbi Fey	ICF
Brad Fortson	ICF
Brandi Taylor	CLEAResult
Brendan Kellam	CLEAResult
Brian A'Hearn	CLEAResult
Carl Samuelson	Michaels Energy
Cassidy Kraimer	Community Investment Corp. (CIC)
Channel Turbides	ComEd
Charles Ampong	Guidehouse
Colin Santel	Leidos
Courtney Golino	Guidehouse
Danish Murtaza	Peoples Gas and North Shore Gas

Name	Company or Organization
David Salmonson	CLEAResult
Dena Jefferson	Franklin Energy
Denise Munoz	DMT Consulting
Elder Calderon	ComEd
Elie Touma	Energy Sciences
Elizabeth Horne	ICC Staff
Erin Daughton	ComEd
Erin Kempster	Power TakeOff
Evan Tincknell	Opinion Dynamics
Hannah Howard	Opinion Dynamics
Ian VanArsdall	Nicor Gas
Jake Millette	Michaels Energy
Jaleesa Scott	ComEd
Jason Fegley	Leidos
Jeff Erickson	Guidehouse
Jeffrey Carroll	DNV
Jessica Raker	Opinion Dynamics
Joe Mays	Cascade Energy
Joel McManus	TRC Companies
John Lavallee	Ameren Illinois
Joshua Asiyambi	Nicor Gas
Joshua Ramos	Nicor Gas
Julian Xie	Cascade Energy
Kanchan Swaroop	Resource Innovations
Karen Lusson	National Consumer Law Center (NCLC)
Kari Ross	Natural Resources Defense Council (NRDC)
Kate Agasie	Cook County DES
Keely Hughes	The JPI Group
Kim Swan	ComEd
Kit White	Midwest Energy Efficiency Alliance (MEEA)
Laura Agapay-Read	Guidehouse
Lauren Bates	Opinion Dynamics
Lee Ringo	Energy Infrastructure Partners
Lisa Obear	Brightline Group
Lloyd Kass	Franklin Energy
Lucas Born	Power TakeOff
Maria Onesto Moran	Green Home Experts
Matt Armstrong	Ameren Illinois
Michelle Norgard	CLEAResult
Minya Coleman	ComEd
Misty Gibbons	Walker-Miller Energy Services
Natasha Herring	Guidehouse

Name	Company or Organization
Nate Baer	i3 Energy
Neil Curtis	Guidehouse
Nick Burstein	CMC Energy
Nick Warnecke	Ameren Illinois
Nicole Popejoy	IL Ass'n of Community Action Agencies
Nikki Pacific	Walker-Miller Energy Services
Parini Shah	Guidehouse
Patrice McFarlin	Encolor Consulting
Randy Opdyke	Nicor Gas
Rashaan Keeton	Center for Energy & Environment
Rose Williamson	Opinion Dynamics
Ryan Kroll	Driftless Energy
Ryan Wall	Guidehouse
Sagar Phalke	Guidehouse
Salina Colon	CEDA
Sam Dent	VEIC (IL-TRM Administrator)
Seth Craigo-Snell	SCS Analytics
Sue Hanson	EMC Insights
Ted Weaver	Dunsky Climate + Energy Advisors
Thomas Ketchum	South Suburban Action Conference
Thomas Manjarres	Peoples Gas and North Shore Gas
Tyler Sellner	Opinion Dynamics
Zach Ross	Opinion Dynamics
Zachary Froio	ICF

Meeting Notes

See **red text** for follow-up items.

Introduction to Large Group SAG Evaluation Plan Meeting

Celia Johnson, SAG Facilitator

Annual SAG Evaluation Plan Meetings

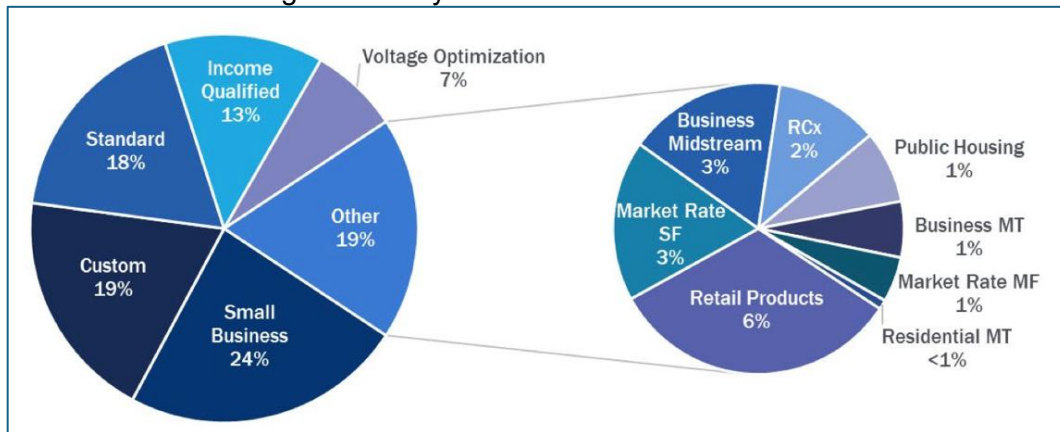
- SAG holds annual meetings each December for independent evaluators to present an overview of draft EM&V work plans (evaluation plans) for the upcoming program year, for each utility* (*See IL EE Policy Manual Section 3.9, Draft EM&V Work Plans)
 - Tuesday, December 2: Ameren Illinois and ComEd Evaluation Plan presentations
 - Wednesday, December 3: Nicor Gas, Peoples Gas & North Shore Gas Evaluation Plan presentations
- SAG participants encouraged to ask questions and share input on draft evaluation plans
- Written draft evaluation plans will be shared with SAG (posted on the website + circulated) by December 15th

Ameren Illinois Company 2026-2029 Energy Efficiency Portfolio Evaluation Plan
Zach Ross, Evan Tincknell, Tyler Sellner, and Lauren Bates, Opinion Dynamics

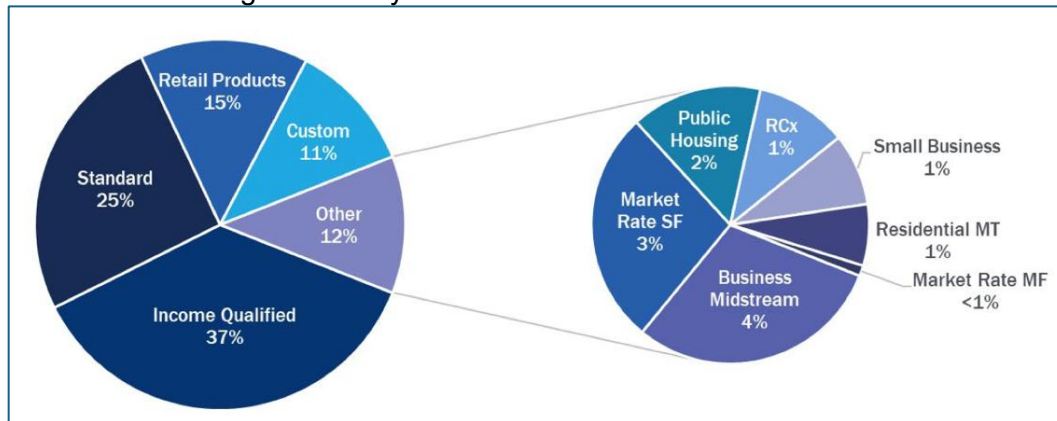
Portfolio Overview & General 2026-2029 Evaluation Approach

- Clean and Reliable Grid Affordability Act
 - Draft evaluation scope has been developed based on AIC’s ICC-approved 2026-2029 EE plan
 - AIC will file updated EE plan in 2027, and changes will likely affect evaluation scope
 - As a result, the evaluation scope has generally not yet been substantively updated to reflect specifics of how CRGA might affect the portfolio
- 2026-2029 Ameren Illinois Portfolio
 - Voltage Optimization Program
 - Residential Program
 - Market Rate SF
 - Market Rate MF
 - Retail Products
 - Income Qualified
 - Public Housing
 - Market Transformation
 - Business Program
 - Standard
 - Small Business
 - Midstream
 - Custom
 - Retro-Commissioning
 - Market Transformation

Electric Annual Savings Summary 2026-2029:



Gas Annual Savings Summary 2026-2029:



- Key Multi-Year Evaluation Objectives
 - Impact
 - Estimate verified first-year and cumulative persisting annual savings
 - Utilize phased data collection and analysis where feasible and appropriate
 - Update net-to-gross ratios (NTGR) for each initiative at least once per plan period, where appropriate
 - Process
 - Explore key initiative-specific issues, including:
 - How well educational information, energy savings, opportunities, and the implementation process are understood
 - Reasons behind the success or inability of initiatives to penetrate the market
 - Opportunities for improvement
 - Market
 - Market research activities are conducted on an as-needed basis to support AIC in key areas at key times
 - Non-Energy Impacts
 - Research, characterize, quantify, and monetize benefits produced by the AIC portfolio that go beyond energy and water savings
 - Estimate the job and macroeconomic impacts created by AIC's portfolio
 - Verified Cost-Effectiveness
 - Conduct cost-effectiveness analysis using the Illinois TRC to ensure AIC meets its statutory requirement of operating a cost-effective portfolio
 - Interpret results of analysis and assist AIC in using findings to improve its portfolio
 - TRM Research
 - Support the Illinois TRM update process through ongoing participation in the TAC and TRM working groups
 - Conduct distinct research studies to support TRM updates of importance to AIC's portfolio
- Evaluation Collaboration
 - Ongoing collaboration occurs between the Illinois evaluation teams:
 - Monthly evaluation coordination meetings keep the teams connected and up to date

- SAG meetings and Working Groups provide a framework for methodological collaboration
- Formal collaboration occurs when key pieces of evaluation work are determined to be best handled as statewide research
- Ad-hoc collaboration also occurs on key statewide issues

Program-Specific Evaluation Plans

- Organization of Evaluation Activities
 - We organize our evaluation activities to most effectively use evaluation resources, minimize customer touchpoints, and provide research insights, considering the delivery strategy and unique characteristics of each AIC offering
 - As a results, evaluation efforts are not always organized in a way that perfectly aligns with portfolio organization
 - We subdivide our program evaluation effort into four sectors:
 - Residential Program
 - Business Program
 - Voltage Optimization Program
 - Market Transformation Program

Residential

- Retail Products Initiative
 - Offers discounts on a wide range of qualifying products, including household electronics and appliances (e.g., thermostats, power strips, refrigerators) via in-store point-of-sale discounts, downstream rebates, and designated online store
 - Key focus areas include NTGR updates and targeted ISR and process-focused research
 - Planned to make up 6% of annual portfolio electric savings and 15% of annual portfolio gas savings

Activity	2026	2027	2028	2029
Program Material & Database Review	✓	✓	✓	✓
Staff Interviews	✓	✓	✓	✓
Gross Impact Analysis (TRM Application)	✓	✓	✓	✓
Net Impact Analysis (SAG-Approved NTGR Application)	✓	✓	✓	✓
Participant Survey (NTG, ISR, Process Feedback)		✓		✓

Kari Ross (via chat): How do you identify retail initiative survey participants?

- *Evan Tincknell: It depends on the channel and the information collected. It will include participants who buy things in store and receive rebates and those who purchase online.*
- *Kari Ross: For all slides mentioning surveys, they are staggered through the four-year plan. How did you choose which years to survey?*
- *Evan Tincknell: It depends on the offering. We look at the size, previous roles, scope, and history of each offering. We have at least one NTG study for each of the channels over four years and understand that things can change.*

Karen Lusson (via chat): For the income qualified initiative, how do you identify survey participants? Are survey limits a matter of budget?

- *Evan Tincknell: Yes, conducting surveys is a matter of budget. We cannot conduct full scale research each year. It is more effective to have larger, more inclusive efforts in select years and to piece that together over time.*

- *Zach Ross: Our evaluation plan is developed with feedback from Ameren and stakeholders, and we need to be responsible users of the evaluation budget. The program team has noted they do not get additional value from surveys every year. If stakeholders have places where they want more research, we would appreciate those comments today or on the written plan.*
- *Karen Lusson: It is important to be able to note feedback from program allies and participants regarding new contractors or program changes.*
- *Evan Tincknell: Agreed, we have flexibility to adjust timing as need be.*
- *Zach Ross: These are our draft plans based on what we know now, but if the IC is changed, we would potentially revise our schedule.*

Kari Ross: I hope surveying can be geographically dispersed. There are differences between an income qualified customer in a city versus the country. Also, the multifamily property manager focus group has the potential for more than one meeting. Has Ameren discussed the possibility of surveying multifamily property tenants?

- *Evan Tincknell: We have conducted participant-based research before with onsite verification efforts. It is helpful to get perspective from property managers, as they are touchpoints for both sides. Geographically dispersed surveying is an interest, and we will look at coverage via zip code.*
- *Cassidy Kraimer (via chat): Agreed on tenant-oriented surveying/focus groups.*
- **Market Rate Single Family – Midstream HVAC Channel**
 - Provides incentives to distributors for sales of efficient HVAC and water heating measures to reduce costs for contractors and customers and influence distributor stocking and sales practices
 - Evaluation focus areas include NTGR and Market Effects research with distributors and contractors engaged with the offering, in addition to process feedback

Activity	2026	2027	2028	2029
Program Material & Database Review	✓	✓	✓	✓
Staff Interviews	✓	✓	✓	✓
Gross Impact Analysis (TRM Application)	✓	✓	✓	✓
Net Impact Analysis (NTGR Application and Market Effects)	✓	✓	✓	✓
Distributor Interviews (NTG, Market Effects, Process Feedback)		✓		
Contractor Interviews (NTG, Market Effects, Process Feedback)		✓		

- **Market Rate Single Family – Home Efficiency Channel**
 - Provides home energy assessments for market rate customers and incentives on recommended building shell retrofit efficiency measures (offered in concert with Income Qualified Single Family Channel)

- Evaluation efforts include program ally research following up on key process findings from 2024 participant interviews as well as NTGR research with recent participants

Activity	2026	2027	2028	2029
Program Material & Database Review	✓	✓	✓	✓
Staff Interviews	✓	✓	✓	✓
Gross Impact Analysis (TRM Application)	✓	✓	✓	✓
Net Impact Analysis (SAG-Approved NTGR Application)	✓	✓	✓	✓
Program Ally Interviews (Process Feedback)	✓			
Participant Interviews (NTG, Process Feedback)			✓	

- **Income Qualified Initiative**

- Consists of seven channels delivering efficiency upgrades at no cost to income-qualified customers, including single-family channels focusing on building shell and HVAC measures along with several other targeted offerings delivering efficiency measures to select subgroups of IQ customers
- Evaluation will include focus on process feedback from participating customers, program allies, and Community Action Agencies (CAAs) to inform program design, messaging, and targeting
- Planned to make up 13% of annual portfolio electric savings and 37% of annual portfolio gas savings

Activity	2026	2027	2028	2029
Program Material & Database Review	✓	✓	✓	✓
Staff Interviews	✓	✓	✓	✓
Gross Impact Analysis (TRM Application)	✓	✓	✓	✓
Participant Survey		✓		
Program Ally Interviews	✓		✓	
CAA Agency Staff Interviews			✓	

- **Multifamily initiatives**

- Consists of three channels (Market Rate, Income Qualified, and Public Housing) involving comprehensive property assessments and direct install, weatherization, and HVAC measures to units and common areas
- On-site verification will inform ISR updates and solicit participant feedback where possible
- Theory-driven process assessment and follow-up focus groups to solicit qualitative feedback from property managers

Activity	2026	2027	2028	2029
Program Material & Database Review	✓	✓	✓	✓
Staff Interviews	✓	✓	✓	✓
Gross Impact Analysis (TRM Application)	✓	✓	✓	✓
Net Impact Analysis (Market Rate Only)	✓	✓	✓	✓
On-Site Verification (ISR and Process Feedback)	✓			
Theory-Driven Process Assessment		✓		
Property Manager Focus Groups (Process Feedback)			✓	

Business

- **Standard Initiative**
 - The Standard Initiative provides prescriptive incentives to private and public sector nonresidential customers
 - Includes Standard Core, Online Store (OS) and Building Operator Certification (BOC) channels
 - Primary areas of focus include lighting retrofits and lighting controls, motors, HVAC, steam traps, and specialty applications such as refrigeration and agricultural measures
 - Planned to make up 18% of annual portfolio electric savings and 25% of annual portfolio gas savings

Activity	2026	2027	2028	2029
Initiative Material & Database Review	✓	✓	✓	✓
Initiative Staff Interviews	✓	✓	✓	✓
Standard Core Desk Reviews / Verification		✓		
Gross Impact Analysis (TRM Application)	✓	✓	✓	✓
Net Impact Analysis – SAG Approved NTGR	✓	✓	✓	✓
Standard Core NTG/Process Research		✓		
Online Store NTG/Process Research		✓		

Kari Ross (via chat): What is a desk review?

- *Jessica Raker (via chat): A desk review involves reviewing project specific documentation to verify parameters that influence savings, such as measure quantity and installed equipment models.*
- **Small Business Initiative**
 - The Small Business Initiative encourages small businesses, non-profits, schools, and local governments to install energy-efficiency products and perform energy-saving retrofits
 - Includes three channels which will provide the same services at differentiated incentive levels: (1) Standard, (2) Enhanced, and (3) Disadvantaged Communities
 - Focuses on delivering whole building energy efficiency solutions (e.g., lighting, HVAC, weatherization) through an open network of program allies
 - Planned to makeup 24% of annual portfolio electric savings and 1% of annual portfolio gas savings

Activity	2026	2027	2028	2029
Initiative Material & Database Review	✓	✓	✓	✓
Initiative Staff Interviews	✓	✓	✓	✓
Desk Reviews / Verification activities			✓	
Gross Impact Analysis (TRM Application)	✓	✓	✓	✓
Net Impact Analysis – SAG Approved NTGR	✓	✓	✓	✓
NTG/Process Research			✓	

- **Custom Initiative**
 - The Custom Initiative provides incentives for custom measures that do not have IL-TRM algorithms

- Includes Custom Incentives (CI) and New Construction Lighting (NCL) channels
 - Primary areas of focus include compressed air, lighting, HVAC, refrigeration, motors and drives, wastewater treatment, industrial process upgrades, and new construction projects
 - Planned to make up 19% of annual portfolio electric savings and 11% of annual portfolio gas savings

Activity	2026	2027	2028	2029
Initiative Material & Database Review	✓	✓	✓	✓
Initiative Staff Interviews	✓	✓	✓	✓
Engineering Desk Reviews	✓	✓	✓	✓
Verification Activities	✓	✓	✓	✓
Engineering Analysis	✓	✓	✓	✓
Net Impact Analysis – SAG Approved NTGR	✓	✓	✓	✓
Early Project Reviews	✓	✓	✓	✓
CI and NCL NTG/Process Research			✓	
Ongoing Combined Heat and Power NTG Research	✓	✓	✓	✓

- **Retro-Commissioning Initiative**
 - Includes several channels focused on driving low-and no-cost operational improvements to produce energy savings: RCx Core, Virtual Commissioning, Virtual Strategic Energy Management, and Informational
 - Planned to make up 2% of annual portfolio electric savings and 1% of annual portfolio gas savings

Activity	2026	2027	2028	2029
Initiative Material & Database Review	✓	✓	✓	✓
Initiative Staff Interviews	✓	✓	✓	✓
RCx Core Engineering Desk Reviews and Verification Activities	✓	✓	✓	✓
Impact Analysis	✓	✓	✓	✓
Net Impact Analysis – SAG Approved NTGR	✓	✓	✓	✓
RCx Core NTG/Process Research			✓	
VCx NTG/Process Research				✓

Erin Kempster (via chat): On the description of the VCx program: changes are all operational, not behavioral.

- **Midstream Initiative**
 - Targets distributors and wholesalers of lighting and food service equipment to increase adoption of high-efficiency equipment by providing incentives at a midstream level
 - Includes Midstream Lighting and Midstream Food Service channels.

- Planned to make up 3% of annual portfolio electric savings and 4% of annual portfolio gas savings

Activity	2026	2027	2028	2029
Initiative Material & Database Review	✓	✓	✓	✓
Initiative Staff Interviews	✓	✓	✓	✓
Gross Impact Analysis (TRM Application)	✓	✓	✓	✓
Net Impact Analysis – SAG Approved NTGR	✓	✓	✓	✓
Midstream Lighting NTG/Process Research				✓
Midstream Food Service NTG/Process Research				✓

- Business Program Research
 - In addition to initiative-specific research, the evaluation team plans to complete several Business Program-specific research efforts/studies that will each provide insights relevant to multiple initiatives

Activity	2026	2027	2028	2029
Pipeline Process Evaluation Follow-Up	✓			
Program Design Benchmarking		✓		
Non-Participant Spillover			✓	

Zach Ross (via chat): The pipeline channel process evaluation was discussed in more detail in the previous large group SAG meeting and is outlined in slides we shared if anyone is interested in more details.

Voltage Optimization

- Voltage Optimization Program
 - VO Program was launched in 2018; implemented at the distribution substation or circuit level; optimizes voltage levels along distribution circuits to reduce electricity usage
 - Program was extended through 2028 as part of the recently approved AIC Multi-Year Integrated Grid Plan; no currently approved activity in 2029
 - Savings level will be significantly reduced annually during this cycle, and so the evaluation will take a lighter touch than we have previously

Activity	2026	2027	2028	2029
Program Staff Interviews	✓	✓	✓	
Program Data Review	✓	✓	✓	
Energy Impact Analysis (Voltage Modeling & TRM Algorithm)	2x	2x	2x	
Peak Impact Analysis (Voltage Modeling & TRM Algorithm)	✓	✓	✓	
Verification of VO Deployment	✓	✓	✓	

Karen Lusson (via chat): Zach, did you say the VO energy savings represented 24% of the portfolio savings? If so, how long was that the case? And what is the percentage forecasted going forward?

- *Zach Ross: In previous [EE Plan] cycles, VO represented a significant share, as much as about 20% of savings per year. This [EE Plan] cycle has significantly less savings, at about 7%.*

Market Transformation

- Luminaire Level Lighting Controls (LLLC) Initiative
 - In 2022, AIC launched the LLLC Initiative with the long-term goal of transforming the controls market by increasing familiarity with and understanding of LLLC technology
 - The evaluation incorporates process evaluation, program theory and logic model (PTLM) review, assessment of Market Progress Indicators (MPIs), market assessment, and net energy savings estimation
 - Planned to make up <1% of annual portfolio electric savings

Activity	2026	2027	2028	2029
Review PTLM and MPIs	✓		✓	
Participant Surveys and Interviews	✓	✓	✓	✓
Program Materials Review	✓	✓	✓	✓
Market Actor Surveys	✓	✓	✓	✓
Distributor Sales and/or Stocking Data Collection	✓	✓	✓	✓
Savings Estimation	✓	✓	✓	✓

- High Performance Windows (HPW) Initiative
 - AIC is working to launch its HPW Initiative
 - We assume AIC will complete the Initiative business plan and launch in 2026, but will adjust evaluation timing if launch is later
 - The evaluation will be tailored to Initiative goals and activities, with early evaluation work to include review and refinement of the PTLM and MPIs and research to estimate starting values for MPIs and/or the natural market baseline, as needed
 - Later evaluation work will include process evaluation, MPI assessment, market assessment, and net energy savings estimation
 - Planned to make up <1% of annual portfolio electric savings and 1% of annual portfolio gas savings

Activity	2026	2027	2028	2029
Review PTLM and MPIs	✓		✓	
Participant Surveys and/or Interviews	✓	✓	✓	✓
Program Materials Review	✓	✓	✓	✓
Market Actor Surveys	✓	✓	✓	✓
Sales and/or Stocking Data Collection	✓	✓	✓	✓
Savings Estimation	✓	✓	✓	✓

- Additional MT Initiative Support
 - AIC may explore additional MT Initiatives, such as Advanced Rooftop Units, Efficiency Codes and Standards, or ENERGY STAR® Retail Products Platform (ESRPP)
 - The evaluation team will provide as-needed evaluation support on other MT topics and potential initiatives throughout the next plan cycle
 - The evaluation team will participate in any collaboration or coordination with other MT initiatives happening in Illinois, as desired by AIC

Cross-Cutting Research

- Cross-Cutting Research

- These studies include market research studies to support AIC's general understanding of trade allies, residential and business customers, market trends, and/or opportunities to bundle measures
- The 2026 scope features:
 - Trade ally market research
 - Market-rate and IQ customer engagement research
 - Large business customer research
 - Macroeconomic and employment impact model updates
- Additional topics will be collaboratively developed with AIC in advance of each program year to ensure research serves emergent needs and priorities

TRM Research

- IL-TRM Research Topics
 - Focus TRM research on high-impact measures given increased electric energy and peak savings
 - Close look at peak savings calculations for measures with significant peak reduction potential
 - Streamlined calculations where possible to reduce program complexity and encourage participation (e.g. use deemed value for percent of basements that are semi-conditioned/conditioned)
- Consider additional heat pump TRM research
 - Full load hours (FLH) for portable heat pumps and cold climate heat pumps
- Air sealing and insulation research using consumption analysis
 - We plan to coordinate with other Illinois evaluators later in the cycle

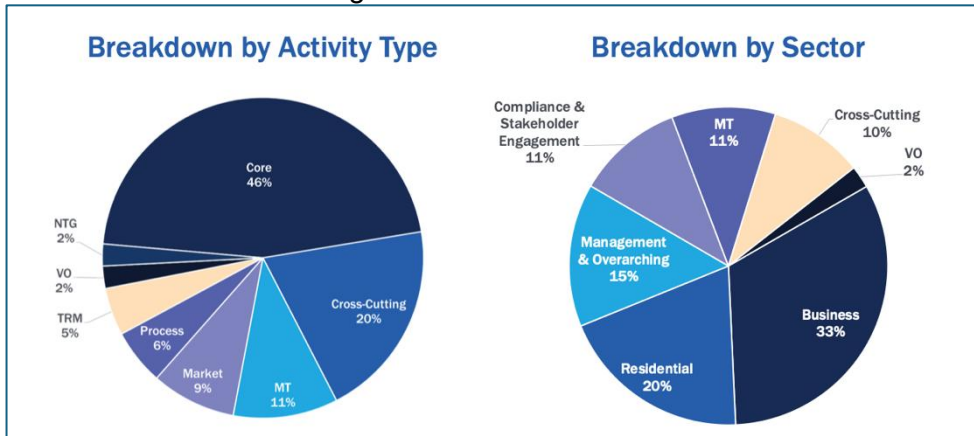
Sam Dent (via chat): Is Ameren's peak savings still in summer, or will we need to introduce winter CFs for the first time?

- *Zach Ross: My understanding is the Ameren system is still summer peaking. The way the performance incentive legislation is written is only around the absolute system peak. The language suggests if the timing of the overall system peak changes (from summer to winter) that peak is something we need to look at. This will need to be looked at every year, in case Ameren's system flips to be winter peaking.*

Evaluation Budget

- Evaluation Budget Overview
 - Budgets are split between initiative-specific and other evaluation efforts
 - Initiative size and/or expected savings is a guiding factor taken into account – but not used as a rule – in determining budget allocations
 - AIC is a dual-fuel program administrator, and therefore budgets and are also split between electric and gas evaluation activities
 - Budget is reserved for ad-hoc requests as items emerge from AIC/ICC/SAG discussion

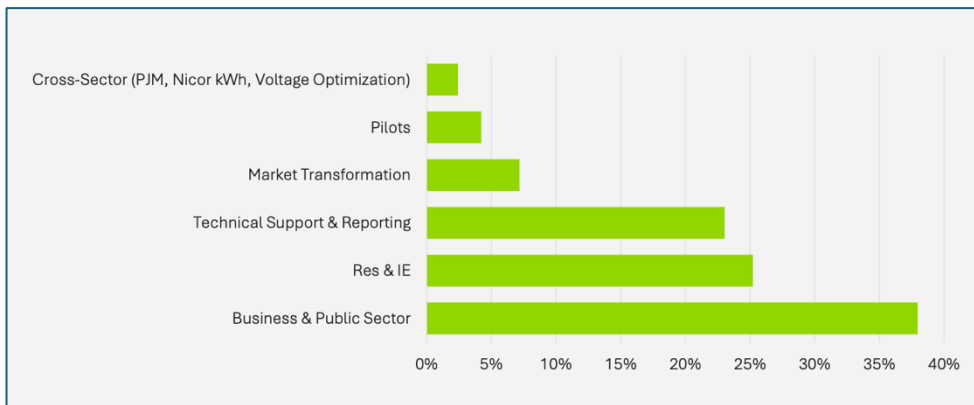
2026 Draft Evaluation Budget Breakdown:



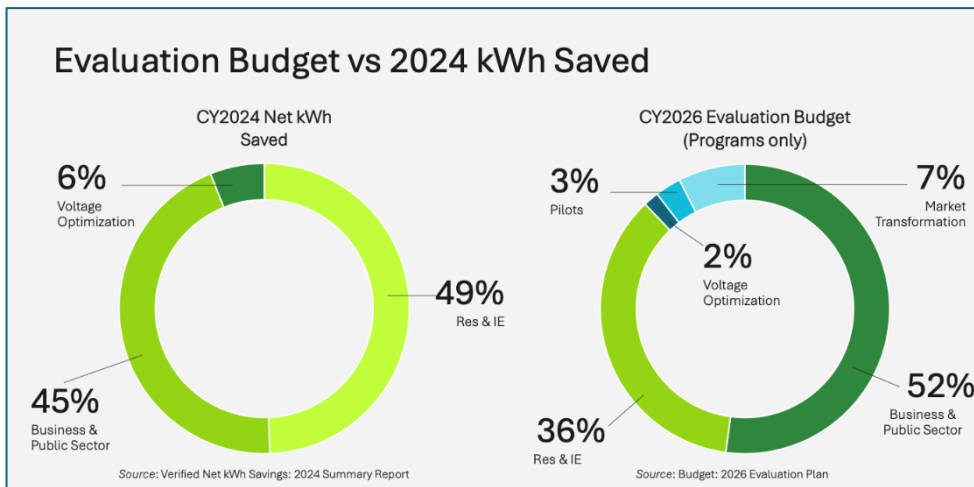
CY2026 ComEd Evaluation Plan Presentation

Jeff Erickson, Guidehouse

CY2026 Evaluation Budget:



Evaluation Budget v 2024 kWh Saved:



Karen Lusson (via chat): Can you break down the specifics for Residential and income eligible in terms of energy savings?

- *Jeff Erickson: ComEd does not differentiate between income eligible and residential in some programs, so we can do a manual breakdown and get back to you.*
- *Celia Johnson: I can mark that as follow-up item.*
- *Kari Ross (via chat): I would also like to see that breakdown.*
- *Karen Lusson: In the past what proportion of energy savings has been from VO?*
- *Jeff Erickson: I will have to get back to you on that.*

Business and Public Sector Program Components:

Program	Program Components	Joint Program	Electrification Savings
Small Business	Small Business	Yes	
Incentives	Standard		
	Custom		
Targeted Systems	RCx [includes Building Operator Certification (BOC)]	Yes	
	Industrial Systems		
	Virtual Commissioning (VCx)		
Midstream/Upstream	Instant Discounts		Yes
	Commercial Food Service (CFS)	Yes	
Behavior Bus/Pub	Strategic Energy Management	Yes	
Business Energy Analyzer	Business Energy Analyzer		
New Construction - Bus/Pub	Non-Residential New Construction	Yes	

NTG Research Tasks – Business:

Program	Component	Net Savings Research Tasks	Submitted/Applicable Program Year
Incentives	Custom	Customer Free Ridership Survey	2026/2027
		Customer Spillover Survey	2026/2027
Targeted Systems	Industrial Systems	Customer Free Ridership Survey	2027/2028
		Customer Spillover Survey	2027/2028

Residential and Income Eligible (IE) Programs

- **Structure of the Evaluation – Residential Sector Programs**
 - Promoted broadly as the ComEd Energy Efficiency Program
 - Income Qualified services are embedded into ComEd’s Plan 7 Residential program
 - Evaluation reports differentiate between market rate and IE results
 - **Direct to Customer**
 - Behavior – Res
 - Single-Family Home Energy Savings
 - Multi-family Energy Savings
 - Whole Home Electric
 - **Channels**
 - Contractor/Midstream Rebates
 - New Construction

- Home Energy Products

Residential Sector Program Components:

Program	Program Components	Joint Program	Electrification Savings
Behavior - Res	Home Energy Reports		
Single-Family Home Energy Savings	Home Energy Assessment (HEA), Single Family Low Income (SFLI), IL Home Weatherization Assistance Program (IHWAP)	Yes	
Multi-family Home Energy Savings	Income Eligible Multifamily (IE MF), Public Housing, IL Home Weatherization Assistance Program (IHWAP)	Yes	
Whole Home Electrification	Single-family		Yes
	Multi-family		Yes
Contractor/Midstream Rebates	Midstream		Yes
New Construction	Residential New Construction		
Home Energy Products	Retail Online		Yes
	Product Distribution		

Kari Ross: How are savings claimed for the Retail Online program? (slide 11)

- *Natasha Herring: To my knowledge it is based on specific measures offered online.*
- *Jeff Erickson: I do not have the details at this time; we can get back to you on that.*
- *Natasha Herring: The expected electric savings are coming from ComEd’s plan assumptions. We can circle back on what those measures are.*

Karen Lusson: Can you explain the single family and multifamily home energy savings groups? Does Guidehouse report these program savings together? Are there separate assessments?

- *Natasha Herring: There is reporting on the program level and by component. You can see the results in our evaluation at the component level.*

Ongoing Research Tasks

- Contractor/Midstream Rebates & Instant Discounts – Midstream
 - We will conduct an analysis to determine an income eligible electrification savings percentage to be applied to midstream programs. If available, we will include low-income discount (LID) data.
- Home Energy Products – Retail Online
 - Customer intercept surveys will launch to inform spray foam and caulking savings estimates to update the TRM and net-to-gross research.

Market Transformation Initiatives

- Designed to influence market behavior and accelerate adoption of energy-efficient technologies and practices
- Flexible approach to incorporate new MTIs and evaluate impact per IL TRM guidelines
- MT Programs with Evaluation Support
 - Advanced Codes and Building Performance Standards
 - Luminaire Level Lighting Controls
 - Energy Star Retail Products Platform (ESRPP)
- MT Programs with Expected Savings in CY2026
 - Advanced Codes and Building Performance Standards
 - Energy Star Retail Products Platform (ESRPP)

Pilots

- R&D innovation is ad hoc; pilots for which evaluation activities are anticipated are described here
- Guidehouse has allocated a dedicated budget for additional pilot evaluation support, on an as-needed basis
- Market Rate Program Pilots with Expected Savings in 2026:
 - Heat Pump Roof Top Unit (RTU)
 - Window-Mount Heat Pumps
 - Sealed Measures Savings Pilot

Special Topics- Cost-Effectiveness Research

- Cost-effectiveness research and calculations are:
 - Conducted to comply with the Illinois legislative requirement that all energy efficiency portfolios be shown to be cost-effective (i.e., Total Resource Cost (TRC) ≥ 1.00)
 - Expected to support ComEd's EM&V and regulatory reporting objectives, and inform its future planning efforts
- Key tasks include:
 - Developing a cost model reflecting ComEd's costs by program
 - Evaluating assumptions provided by ComEd and included in Guidehouse's cost model
 - Developing TRCs and Utility Cost Tests (UCTs) for each program (following agreement on the cost model and inputs) with and without non-energy impacts, and with and without income eligible participants
 - Providing a report with any recommended improvements and comments on costs and resulting TRCs
- Guidance
 - Illinois Energy Efficiency Policy Manual v3.0, Section 8 (or any other future relevant Policy Manual sections), for research compliance
 - Illinois Power Agency Act, 20 ILCS 3855/1 – 10, for definition of the Illinois TRC test
 - TRM v14.0, for definition of discount rates and inflation rates

Non-Energy Impacts

- Societal Health Impacts
 - Report on Societal Health NEIs produced annually In June
 - Analysis conducted annually to produce values for the TRC report by June 30
 - Methodology uses EPA tools AVERT and COBRA and portfolio savings data
 - Analysis tools will be revised in accordance with AVERT and COBRA updates
- Economic and Employment Impacts
 - Report produced annually by June 30 each year
 - Includes indirect, direct, and induced economic and employment impacts
 - Methodology uses IMPLAN and program year cost and savings data
- Participant Impacts
 - Research underway with residents of single-family homes and multifamily buildings
 - Research completed with building owners and property managers of multifamily buildings
 - Monetized NEI results associated with single-family and multi-family residents expected by Q2 2027

Karen Lusson: There was commitment made to look into non-energy impacts in the past. I see this methodology uses EPA COBRA. What, if anything, has been done with this research, and was it incorporated into the NEI assessment?

- *Charles Ampong: Your question is centered around studies of this EPA model for ComEd and Ameren for future applications, correct?*
- *Karen Lusson: Yes, that research.*
- *Celia Johnson: The SAG NEI Working Group met in November and some of the material shared may be helpful in answering Karen's question:
<https://www.ilsag.info/event/wednesday-november-5-sag-non-energy-impacts-working-group-meeting/>*
- *Zach Ross (via chat): Karen: I am not certain I understood your question, but if it is helpful, in the SAG meeting Celia linked, the AIC team gave a presentation on the history of all our NEI research and how it is used.*

PJM Reporting

- Historical Objective: support ComEd's annual portfolio capacity resource reporting to PJM
- Recent Context: a FERC ruling from November 2024 disallows EE resources in the PJM capacity market, starting with the Base Residual Auction (BRA) for the 2026/2027 Delivery Year (DY)
- Approach for 2026:
 - May 2025: Guidehouse produced ComEd's Post-Installation M&V (PIMV) Report for DY 2025/2026 – the last year allowed
 - The PJM-defined reporting timeline required Guidehouse to forecast a small portion of the EE Resource
 - May 2026: Guidehouse will update the existing PIMV report from 2025 to reflect the actual EE Resource with final data
 - This will be ComEd's final PJM savings claim and Guidehouse's final PJM-related deliverable

NTG Policy for Disadvantaged Areas

- ComEd data will have project- or customer-level on:
 - Zip Codes
 - Municipality
 - Customer type flag identifying general delivery service municipal, public school and local government customers
 - Energy consumption level or a flag for Small Load Deliver Class (<100 kW)
- Guidehouse will use that data to determine projects eligible for a NTG of 1.0 based on the Disadvantaged Areas NTG policy

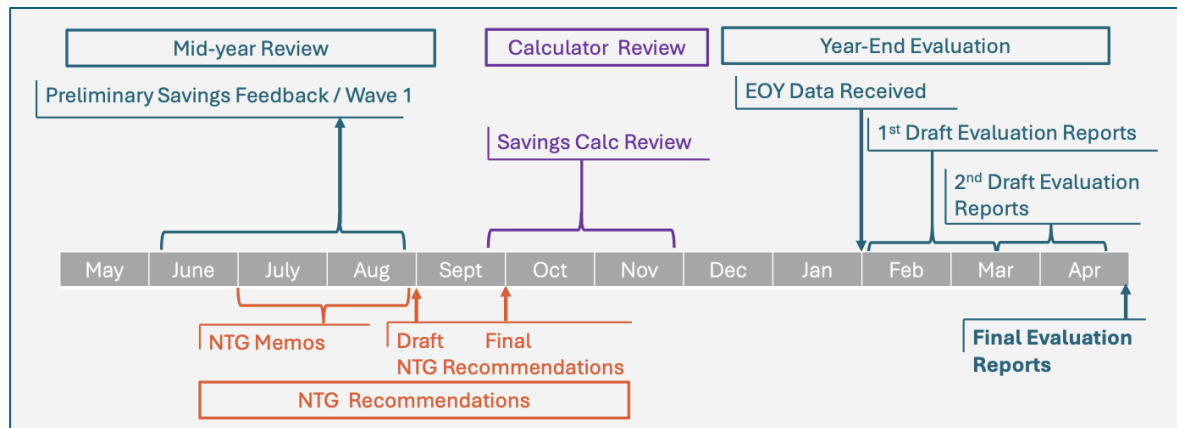
Applying DAC NTG Policy:

Customer Type	Projects receiving NTG 1.0 based on criteria
Residential Customers	Residential customer in a disadvantaged neighborhood based on zip code
	Measure supplied by Business within a disadvantaged neighborhood
C&I Customers, Private Projects	Customer is in a disadvantaged neighborhood, based on zip code and meeting size criteria
	Measure supplied by business within a disadvantaged neighborhood, based on zip code and meeting size criteria
C&I general delivery service municipal, public school and local government customers	Customer is in a disadvantaged municipality

Seth Craigo-Snell: Can you elaborate on residential customers being supplied measures by a business within a disadvantaged community (DAC) receiving a NTGR of 1.0?

- *Jeff Erickson: If the business is based in a DAC, then the NTGR is 1.0 for all installations. If the trade ally, customer, or business is in a DAC, the NTGR is 1.0. It gets complicated in the midstream program because we lack location data.*
- *Seth Craigo-Snell: My concern is if we apply a NTGR of 1 for a trade ally who happens to be in a DAC, but the residential customer is not, it goes against the policy purpose.*
- *Jeff Erickson: This has been discussed previously, and the policy supports the approach that we are taking.*
- *Karen Lusson: We wanted to prevent a national corporation located in a DAC from benefitting from a NTGR of 1.0.*
- *Jeff Erickson: We have asked questions about the policy, and the interpretation has been made clear for us.*
- *Karen: A Home Depot located in a DAC will receive a NTGR of 1.0 because of their location? Even though they do not need support?*
- *Jeff Erickson: The policy does not say anything about corporations, just size.*
- *Kari Ross (via chat): Celia, for time, can we bring this convo to another SAG meeting where ComEd/Guidehouse can outline examples of how this works in practice per channel? I also have some questions and would like to deep dive into this.*
- *Celia Johnson: I will mark this as a topic for future discussion. Due to updated EE Plan requirements per the new legislation, this will need to wait until a later date.*
- *Zach Ross: If it is helpful for this discussion, evaluators presented on this in some depth last summer. All of those materials are here: <https://www.ilsag.info/event/wednesday-july-17-sag-meeting/>. I don't know if the material Guidehouse presented is still representative of their approach. It is for the AIC evaluation team.*

Evaluation Schedule:



Impact Evaluation Approaches

- Basic Approach
 - TRM-based (majority of residential programs)
 - Custom and model-based (majority of business programs and pilots)
 - Population-level consumption data analysis (Home Energy Reports)
- Components
 - Savings Calculator and Workpaper Review
 - Program Tracking Data Review
 - Survey, Phone, or Virtual Verification
 - Onsite Verification
 - Impact Analysis in Waves

Evaluation Coordination

- The ComEd EM&V Team coordinates with the other utilities and their evaluation teams regularly:
 - ComEd, Nicor Gas, Peoples Gas and Northshore Gas Joint Programs
 - Some jointly delivered programs are evaluated by a single-team, some separately
 - Evaluators calculate and report joint TRCs
 - Nicor Gas is selling kWh to ComEd. We coordinate to do some evaluation on the gas side and some on the ComEd side.
- Coordination on Process, NTG, and TRM Research Studies
 - TRM measure research considered on a case-by-case basis
 - Process research is done jointly when it is beneficial to do so
- Coordination beyond specific programs occurs as follows:
 - SAG meetings, Illinois-wide issues
 - Illinois NTG Working Group
 - Illinois TRM Technical Advisory Committee
 - Evaluator coordination calls (monthly)

Seth Craigo-Snell (via chat): I recognize that we are out of time on this call for more discussion about the Disadvantaged Areas NTG policy, but I would appreciate some additional follow-up about this: 1) Karen's point about the large National Retailers was really dealt with in the size of commercial customers allowed. 2) I would like to point out that this notion of trade allies in disadvantaged areas selling EE products to residential customers in ANY area, was never

something that was considered when the policy was being discussed and approved. There needs to be some guidance issued about this, in my opinion.

Erin Daughton: There have been multiple conversations about this. I would like to see these conversations stop, and all the decisions made by the evaluators will be the ones we stick to.

- *Seth Craigo-Snell: I am not trying to cause trouble, but we proposed this policy and spent a lot of time and effort in negotiations. I do not recall a conversation about trade allies selling a product in a DAC. I do not think all of the evaluation teams are in agreement with the implementation teams.*
- *Karen Lusson (via chat): I do not think anyone is talking about changing policy through the Policy Manual. We are trying to understand how it's being applied.*
- *Zach Ross (via chat): For the record, the evaluation teams are not in agreement about how this should be implemented. The AIC team does not consider the location of trade allies in applying the policy. There are two links in the presentations that I sent. That presentation still accurately represents how we interpret the policy.*

Closing and Next Steps

Celia Johnson, SAG Facilitator

Next Steps:

- A second evaluation plan review meeting will be held on Wednesday, December 3 (10:00 am – 12:00 pm), for draft evaluation plan presentations for Nicor Gas, Peoples Gas & North Shore Gas.
- The written draft ComEd evaluation plan will be provided December 9th and circulated to SAG.
- The written draft Ameren Illinois evaluation plan will be provided December 15th and circulated to SAG.

Follow-up items from December 2 Meeting:

1. Ameren Illinois Evaluation Plan Presentation
 - a. No follow-up items.
2. ComEd Evaluation Plan Presentation
 - a. Provide a breakdown of residential energy savings, market rate vs. income eligible.
 - b. In the past what proportion of energy savings has been from Voltage Optimization?
 - c. How are energy savings claimed in the Retail Online program?
 - d. Several participants requested a follow-up SAG discussion with ComEd and Guidehouse on how the Net-to-Gross (NTG) for Disadvantaged Areas policy works in practice, per channel. SAG participants are encouraged to review materials from a [July 2024 SAG meeting](#) where an overview of this policy was presented by both Guidehouse and Opinion Dynamics. The SAG Facilitator will consider this as a topic for later in 2026.