

# IL EE STAKEHOLDER ADVISORY GROUP

Non-Energy Impacts Working Group  
*Methodology and Progress Update*

May 1, 2019

The logo for NAVIGANT features the word "NAVIGANT" in a bold, sans-serif font. The letter "V" is stylized with a green triangle pointing upwards, and the letter "A" is stylized with a green triangle pointing downwards.

# Agenda

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- Opening and Introductions
- Income Qualified Program NEI Research
  - Participant NEIs
    - Overview of stakeholder feedback
    - Status update on exploring using IHWAP waiting list
  - Utility NEIs – status update
- Possible implications of NEI research for Gas utility EE programs
- Closing and Next Steps

# Income Qualified Program NEI Research: Participant NEIs



Opinion **Dynamics**

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2019



## Participant NEIs: Stakeholder Feedback – Big Picture

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- Recap: for Income-Eligible Single-Family homes, evaluators have good participant contact info
- For Income-Eligible Multi-family Buildings:
  - Discuss stakeholder priorities for this segment (e.g., turnover)
  - Discuss potential ways to represent income-eligible multifamily buildings in NEI studies
- Participant NEI comparison group
  - Evaluators are exploring using Wx waiting lists (IHWAP) to create a more randomized sample.
- Any additional feedback from stakeholders on the call today?



## Participant NEIs: Stakeholder Feedback – Suggested additional metrics

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1. “Graduation rates and other education outcomes” – Future Energy Enterprises
    - *Possible proxy is “reduced missed days of school”*
  2. “Impact of service disconnection on household wellbeing” – Optimal Energy on behalf of IL Attorney General’s Office
  3. “Improved building durability and therefore less repair and maintenance.” – Energy Futures Group, on behalf of NRDC
  4. “Improve mental health and reduce chronic stress ” – Elevate Energy
- Prior participant NEI surveys have included questions to quantify some of these NEIs (or their proxies).
  - Evaluators are assessing ways to address these within our 2019 scopes.
  - Evaluators also considering the amount of time that a participant needs to complete a survey to avoid respondent burden and achieve a sufficient response rate.

## Participant NEIs: Stakeholder Feedback Suggested additional metrics - continued

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- ICC staff suggested adding “radon exposure.”
  - Our tool to quantify participants’ NEIs is a survey; the tool does not capture long-term effects and would not be appropriate for determining radon levels and their impact on health.
  - Health effects of radon exposure above EPA guidelines are serious, however they are long-term and depend on other health risk factors (e.g., smoking).
  - Although air sealing increases radon concentrations (LBNL), the effect of air sealing is small, and depends on pre-existing radon in the home.
  - In addition, LBNL did not explore subsequent impact on health.
- Evaluators recommend excluding radon and other long-term effects from participant research.



# Income Qualified Program NEI Research: Utility NEIs



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# Utility NEIs: Stakeholder Feedback – Big Picture

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- Evaluators will provide further updates as we pursue the needed utility data to quantify utility NEIs.

Expect to Find*	May Find
Arrearages	Safety related emergency calls
Bad debt write-offs	Price hedging
Customer calls & collections	Rate discounts
Disconnections and reconnections	

\*Dependent on availability of utility data

- Any methodological feedback from stakeholders on the call today?





# Utility NEIs: Data Gathering and Metrics

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- Evaluators have been assessing data availability to finalize list of metrics included in 2019 research

Opinion Dynamics/Ameren Illinois	Navigant/ComEd
<ul style="list-style-type: none"><li>• Submitted preliminary request to Ameren Illinois</li><li>• Initial assessment: bill-related data appear available, other metrics (disconnections, etc.) appear harder to identify and obtain</li><li>• Identified an Ameren Illinois bill forgiveness program that we should account for</li></ul>	<ul style="list-style-type: none"><li>• Submitted data request to ComEd</li><li>• Information contained within at least two departments at ComEd: CARE Programs and Revenue Management</li></ul>

# Possible Implications of NEI Research for Gas Utility EE Programs

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- Evaluators currently delving into approaches to apportion quantified and monetized NEIs associated with joint electric and gas utility programs.
  - Program level? Measure level?
  - Use the same approach as savings apportionment for joint programs, where applicable?
  - Use HDD and CDD?
- TRC implications?
- Double-counting?

# Closing and Next Steps

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- Upcoming Meetings
- Evaluator Contact Information
  - Ameren Illinois Evaluator: Ann Collier, Opinion Dynamics
    - [acollier@opiniondynamics.com](mailto:acollier@opiniondynamics.com)
  - ComEd Evaluator: Patricia Plympton, Navigant
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