

Illinois Energy Efficiency Stakeholder Advisory Group

2020 SAG Portfolio Planning Process
Proposed Energy Efficiency Ideas Template

Submitter Contact Information

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Energy Efficiency Idea Questions

Please check the boxes below to identify 1) the type of idea; 2) which Illinois utility or utilities will be impacted by the idea; and 3) which EE sector the idea impacts.

Check	Type of Energy Efficiency Idea
<input type="checkbox"/>	New Measure or New Program Idea
<input checked="" type="checkbox"/>	Proposed Program Approach
<input type="checkbox"/>	Innovative Idea

Check	Illinois Utility Impacted by Energy Efficiency Idea
<input type="checkbox"/>	Ameren Illinois
<input type="checkbox"/>	ComEd
<input type="checkbox"/>	Nicor Gas
<input type="checkbox"/>	Peoples Gas & North Shore Gas

<input checked="" type="checkbox"/>	All Illinois Utilities
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Check	Energy Efficiency Sector Targeted by Energy Efficiency Idea
<input type="checkbox"/>	Residential Customers – Single Family (non-income qualified/income eligible)
<input type="checkbox"/>	Residential Customers – Multifamily (non-income qualified/income eligible)
<input checked="" type="checkbox"/>	Residential Customers – Single Family Income Qualified/Income Eligible
<input checked="" type="checkbox"/>	Residential Customers – Multifamily Income Qualified/Income Eligible
<input type="checkbox"/>	Small Business Customers (commercial & industrial sector)
<input type="checkbox"/>	Medium/Large Business Customers (commercial & industrial sector)
<input checked="" type="checkbox"/>	Other (research & development, emerging technologies, market transformation)

Additional Questions

1. **Description of Idea:** Describe the proposed idea, including the purpose of the suggested idea and rationale. Describe whether this is an idea that could be implemented in an existing EE program, or whether the idea involves establishing a new measure or program. Please indicate whether additional research may be required before implementation.

Income Qualified Health plus Energy Efficiency

1. **Incorporation of health and safety repairs into existing Income Qualified Single Family and Multifamily Programs**
2. **Creation of Income Qualified Health + Energy Efficiency Pilots/Programs (through emerging technologies or pilot budgets)**

1. Incorporation of Health and Safety Repairs into Existing IQ SF and MF Programs

Background:

Implementation of energy efficiency measures are often postponed or even stopped completely because of health and safety issues in a home or building. This is especially true in the case income qualified properties, that are older and more inefficient. These health and safety deferrals and “walk-away” issues are a barrier to implementing energy efficiency in income qualified properties that need energy efficiency most. Typical health and safety issues include asbestos, mold, moisture, electrical wiring issues, leaky roofs, increased pest infestations, lead, knob and tube electrical wiring, and other structural issues. Without addressing these health and safety issues in homes, deep energy efficiency measures are left incomplete, and income-qualified customers, are left without the options to fix their substandard housing. Currently ComEd allows for a small portion of their IQ Multifamily budget to be used for minor health and safety repairs up to a certain dollar amount or percentage of total project costs.

Proposal:

All Illinois utilities should allow for minor health and safety repairs and measures to be covered in their income qualified programs. Exact measures and design to be discussed with interested stakeholders. This work should also include robust reporting on health and safety issues in a home, including (but not limited to) the most common issues found, the issues that are repaired (the cost of those repairs), the issues that are left without repair, and the non-energy impacts of this work.

2. Creation of Income Qualified Health + Energy Efficiency Pilots/Programs (through emerging technologies or pilot budgets)

Background:

ComEd is currently implementing a health plus energy efficiency work through their emerging technologies income qualified call for ideas. There is one idea underway which explores targeting emergency room asthma patients at a local hospital with energy efficiency.

Proposal:

ComEd should extend their existing health plus energy efficiency program, including a robust analysis of results thus far, and a discussion of any program tweaks/alternative program design to increase effectiveness and ensure the inclusion of IQ MF households.

All the utilities should explore income qualified (single family and multifamily) health plus energy efficiency pilots and programs through pilot or emerging technology budgets. This can include collaborating with a hospital, another healthcare entity, and/or state/local health agencies on collaborative healthy home and energy efficiency work. Utilities should explore forming relationships and co-funding this health and energy efficiency work with healthcare entities. Home healthcare workers are going into homes to implement healthy home measures, while utilities are separately going into homes to implement energy efficiency work. The goal is to combine these two services into one co-delivered/co-funded approach (or at least a more coordinated approach) so IQ households and buildings can be receiving a full suite of healthy home and energy efficiency work together. Healthcare entities are increasingly looking to preventive health measures. They also have an incentive to do so in order to reduce the cost of emergency room visits, and through community benefit dollars or other state/federal funds can sometimes assist in paying for these preventive measures. This health plus energy efficiency work should also include training and certifying contractors on healthy home repairs (i.e. Building Performance Institute's Healthy Home Evaluator certification), and overall education on the benefits of combining this work.

This health plus energy efficiency work can help compliment and add to the non-energy impacts research that is already underway in Illinois. The inclusion of health and safety repairs and exploration of health plus energy efficiency work, with robust data reporting, will help increase data on and the non-energy benefits of income-qualified work. More details of the health plus energy efficiency work to be discussed with interested stakeholders.

2. Implementation: How will this idea be delivered to the target market? Describe marketing strategies used to reach the target market and minimize market confusion.

- The health and safety repair work can be combined with current implementation of income-qualified programs.
- The health plus energy efficiency work should be designed and implemented through pilot or emerging technology budgets.

3. **Background:** Describe where the idea originated from, including whether this idea has been successfully implemented in other jurisdictions. Provide specific background information that will help utilities and SAG participants understand the proposed idea.

Research on the need for health + energy efficiency work

- [Green and Healthy Homes Initiative SAG presentation](#)
- [Green and Healthy Homes Initiative: Identified Barriers and Opportunities to Make Housing Green and Healthy Through Weatherization](#)
- [VEIC Energy-Plus-Health Playbook](#)
- [ACEEE Energy Efficiency and Health](#)
- [ACEEE Health and Environment Program](#)
- [WA State Weatherization plus Health Program](#)

Other Midwest utilities -DTE and Consumers Energy in Michigan are piloting health and safety work in their newly approved energy efficiency programs.

4. **Idea Impact:** Provide additional information on the customer segment that will be targeted with the program idea, including how and why this idea will have a positive impact on customers participating in Illinois EE programs.

[See detail under question #1](#)

5. **Duration:** Is this idea intended to be offered for the duration of the 4-year EE Plan or as a pilot measure or program?

[4-year EE Plan](#)

6. **Estimated Budget:** Provide the total estimated budget for each program year (2022 – 2025).

TBD

7. **Estimated Participation:** Provide participation totals for each program year (i.e. number of measures installed, number of customer participants, etc.)

TBD

Sources

If any sources will be useful to Illinois utilities in reviewing ideas, please either provide links within this template or send attachment(s) to the SAG Facilitator with the Energy Efficiency Idea submittal.

[See sources/links under question #3](#)