

Ameren Illinois Electrification Update

SAG Large Group
November 12, 2025



Electrification – Bill Impact Analysis



Section 8-103B (b-27)

Prior to installing an electrification measure, the utility shall provide a customer with an estimate of the impact of the new measure on the customer's average monthly electric bill and total annual energy expenses.

Illinois Energy Efficiency Policy Manual Version 3.0

In complying with this requirement (b-27) electric utilities shall provide transparent and accurate information that allows Customers to assess electrification choices.

At least once per year, electric utilities shall share algorithms, models, and assumptions used to calculate bill impacts, including how they are presented to Customers, with participants in the SAG. The electric utilities will present their approaches to interested SAG parties (leveraging existing meetings where possible), consider and discuss feedback, and provide responses.

Ameren Illinois Stipulation

IQ electrification will be pursued only when it is expected to reduce IQ customers' total energy bills (for all existing end uses) and the customer agrees to the electrification measure installations. Ameren commits to discussions with the Parties starting in the second quarter of 2022 on how such assessments of impacts on customers' bills will be performed.

Bill Impact Analysis – Whole Home Electrification

Existing technology fuel type (Fossil Fuel)

- Cost per unit of energy
- Propane costs sourced from EIA Annual Energy Outlook, East North Central region
- Natural gas costs sourced from AIC Purchase Gas Adjustment Charges

New technology fuel cost (Electric)

- Fixed vs. variable costs, seasonal rates
- Electric rates sourced from AIC Rates & Analysis group

Existing and new technology efficiency

- SEER, HSPF, AFUE, UEF

Equipment Types

- E.g., Heating/cooling systems, water heaters, appliances, etc.

Heating and cooling capacity

- HVAC system capacity requirement (Btu/h)

Climate zone

- Heating and cooling full load hours



Bill Impact Analysis – Whole Home Electrification

AMEREN ILLINOIS ENERGY EFFICIENCY PROGRAM PY2025 Electrification Summary



SECTION 1: PROJECT INFORMATION

AMIL #: AMIL0001288321 Address: [REDACTED] City: CENTRALIA IL ZIP: 62801

Existing Primary Conditioning Equipment

Heating Equipment		Cooling Equipment	
System Type: Propane Furnace	Heating Capacity Input (Btuh): 60,000	System Type: Central Air Conditioning	Cooling Capacity (Btuh): 36,000
Rated AFUE: 92.1	Year of Manufacture: 2001	Rated SEER: 13.0	Year of Manufacture: 2013
Existing Water Heater Tank Storage Volume (In gallons): 50			

Proposed Primary Conditioning Equipment - Electrification

System Type: ASHP	SEER2: 18.50	HSPF2: 8.50	EER2: 10.50	Cooling Capacity (Btuh): 34,800	Heating Capacity @ 47F (Btuh): 35,000
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Proposed High Efficiency Equipment - No Electrification

System Type: High Efficiency Furnace	AFUE: 95.0	Heating Capacity: 40,000
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SECTION 2: ENERGY EFFICIENCY MEASURE INFORMATION

2A: Building Envelope Measures

Measure	QTY:	Pre-test CFM50:	Post-test CFM50:
Air Sealing	500	3,145	2,645
Attic Insulation (1)	SQ FT: 1,354	Pre-install R-value: 11	Post-install R-value: 49
Attic Insulation (2)	SQ FT:	Pre-install R-value:	Post-install R-value:
Kneewall Insulation	SQ FT:	Pre-install R-value:	Post-install R-value:
Wall Insulation	SQ FT:	Pre-install R-value:	Post-install R-value:
Rim Joist Insulation	LN FT: 176	Pre-install R-value: 0	Post-install R-value: 13
Crawlspace Wall Insulation	LN FT: 122	Pre-install R-value: 0	Post-install R-value: 13

2B: Appliances/HVAC Measures

Existing		Proposed	
Cooktop	Existing Fuel: Propane	Induction Cooktop	
Clothes Dryer	Existing Fuel:		
Water Heater	Existing Fuel: Propane	Heat Pump Water Heater	UEF: 3.8
Furnace	Existing Fuel: Propane	Air Source Heat Pump	

SECTION 3: CUSTOMER SUMMARY - Annual Customer Energy Bill Impacts

3A: Replace fossil fuel heating with electric and weatherization		3B: Leave existing heat source and complete weatherization		3C: Install high efficiency furnace and weatherization*	
Fossil Fuel Bill Savings	\$1,319.27	Fossil Fuel Bill Savings	\$301.10	Fossil Fuel Bill Savings	\$319.13
Electric Bill Savings	(\$625.25)	Electric Bill Savings	\$140.00	Electric Bill Savings	\$140.00
Estimated Bill Savings	\$694.02	Estimated Bill Savings	\$441.10	Estimated Bill Savings	\$459.13

*Scenario 3C is for estimated savings comparison only and not an option available through the Ameren IL Energy Efficiency Program

SECTION 4: CUSTOMER ACKNOWLEDGEMENT

These are projected savings based upon modeling and are not guaranteed. The bill savings may not be an accurate representation of the actual savings due to variances in equipment, assumptions in home performance, cost of energy, or other energy use. Ameren Illinois, its parent, affiliates and subsidiaries, and their directors, officers, employees, contractors or agents shall not be liable to the customer for the failure to achieve energy savings in general or as listed above.

I, the undersigned, agree that the information above is representative of what has been discussed and proposed by the participating program ally (contractor).

Print Customer Name [REDACTED] Customer Signature [REDACTED] Date [REDACTED]

Program Ally Signature [REDACTED] Date [REDACTED]

SECTION 5: BREAKDOWN OF ESTIMATED SAVINGS FOR ELECTRIFICATION

For Option 3A above, here is the breakdown of estimated savings:

Equipment	Average Monthly Estimated Savings	Average Annual Estimated Savings
Induction Cooktop	(\$0.04)	(\$0.44)
Heat Pump Clothes Dryer	\$0.00	\$0.00
Heat Pump Water Heater	\$23.13	\$277.57
Air Source Heat Pump	\$24.01	\$288.09
Weatherization	\$10.73	\$128.80
Total	\$57.83	\$694.02

Revision 4.0 5/30/2025



Energy Efficiency PROGRAM

Customer Pipeline Summary and Key Challenges



Energy Efficiency
PROGRAM

Project Pipeline Status

34 projects in various stages: 16 pending and 18 completed, showing steady progress.

Implementation Challenges

Limited eligible customers, complex department coordination, and high level of diligence required to provide reliable bill impact analyses.

Customer Concerns

Hesitancy to adopt new technology, high electricity costs, logistics to transition from propane, and loyalty to current suppliers.

Program Ally Perspective

Electrical upgrades are costly, unfamiliar with appliances, aesthetics a concern, and long timelines required to coordinate multi-faceted allies and infrastructure assessment/upgrades.



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