

## Memorandum

**To:** Jonathon Jackson, Ameren Illinois and Jennifer Morris, ICC Staff  
**From:** The AIC Evaluation Team  
**Date:** May 25, 2017  
**Re:** Review of Ameren Illinois Company Program Year 6 Cost-Effectiveness Inputs & Results

---

### Review Process

Ameren Illinois Company (AIC) asked the evaluation team to review cost-effectiveness inputs and results for AIC's Program Year 6 (PY6) energy-efficiency programs. The evaluation team prepared cost-effectiveness input assumptions based upon the evaluation of each program. AEG used these inputs to calculate program and portfolio cost-effectiveness on behalf of AIC. The evaluation team then conducted a review of AIC TRC calculation files and compared them to the prepared input files for both residential and commercial programs.

The programs reviewed included:

- Residential – Appliance Recycling (AIC)
- Residential – Behavior Modification (AIC)
- Residential – Energy Star New Homes (AIC)
- Residential – Home Performance (AIC)
- Residential – HVAC (AIC)
- Residential – Lighting (AIC)
- Residential – Moderate Income (AIC)
- Residential – Multifamily (AIC)
- Residential – Energy Efficient Products (AIC)
- Business – Standard (AIC)
- Business – Custom (AIC)
- Business – Retro Commissioning (AIC)
- All Electric Homes (IPA)
- Efficiency Kits (IPA)
- CFL Distribution (IPA)
- Small Business Prescriptive (IPA)
- SBDI (IPA)

Following the program input review, program results were reviewed for the following items:

- Inputs correctly populated in the calculations
- The benefits and costs included in the five test perspectives align with the California Standard Practice manual

- TRC tables from the PY6 Ex-Post Evaluation Report match results from the PY6 Ex-Post TRC calculation file

## Findings

### Input Review

During the review process, the evaluation team found one instance where the TRC calculator was inputting the wrong values from the input file. For Residential - Multifamily (AIC), Ex-Ante participation numbers were being used, rather than more typical Ex-Post participation numbers.

AEG reviewed these discrepancies and made necessary updates to the Portfolio Inputs. The resulting changes to the Residential - Multifamily (AIC) Program were minor and had no significant impact on cost effectiveness results.

**Table 1. TRC Cost-Effectiveness Results Before and After Revisions**

	Before Update	After Update
	TRC	TRC
Residential - Multifamily	2.77	2.77

### Results Review

After receiving updated input files from AEG, the evaluation team reviewed PY6 Cost Effectiveness results. All inputs are correctly imported to the calculator and TRC is correctly calculated.

Finally, the evaluation team reviewed final report tables in AIC's PY6 Ex-Post Evaluation Report, and determined that these are consistent with inputs and results calculated in the PY6 Ex-Post TRC file.