

Nicor Gas Energy Efficiency Program - Plan Year 2025
 Quarterly Report: Second Quarter (April 1, 2025
 through June 30, 2025)
 Response to Evaluators' Recommendations

APPENDIX B

Program	PY	Recommendation	Action Completion Date	Action(s) Taken
Home Energy Efficiency Rebates	2024	Measures: Advanced Thermostats Recommendation 1. Update the Household Factor for all Single Family advanced thermostats to 100%.	7/16/2025	Nicor Gas modified the calculation lookups to ensure Residential Building Type matches Household Factor
Affordable Housing New Construction	2024	Measures: AHNC Recommendation 1. Consider adding quality control checks to ensure that claimed window areas are correct.	3/20/2025	Nicor Gas added additional quality control checks for ensuring correct savings are claimed on windows.
Affordable Housing New Construction	2024	Measures: AHNC Recommendation 2. Consider adding quality control checks to ensure that project savings and documentation are updated to reflect as-installed equipment.	3/20/2025	Nicor Gas added additional quality checks to ensure infiltration savings are calculated correctly
Affordable Housing New Construction	2024	Measures: AHNC Recommendation 3. Ensure that calculation methodologies for HVAC equipment accurately reflect the space types served, including using correct heating and cooling effective full load hour values from the TRM.	3/20/2025	Nicot Gas implemented additional quality control checks to ensure correct EFLH values are used
Affordable Housing New Construction	2024	Measures: AHNC Recommendation 4. The calculation approach should be updated to accurately reflect the number of installed showerheads per tenant unit when that data is available.	4/7/2025	Nicor Gas updated showerhead calculations to reflect project documentation
Business New Construction	2024	Measures: Program Wide Recommendation 1. The evaluation team recommends that building simulations are kept up to date to accurately represent the final as-built building construction and installed equipment.	7/31/2025	This program is undergoing significant redesign. As such, recommendations will be included into future program designs and quality control activities
Business New Construction	2024	Measures: Program Wide Recommendation 2. Increase quality control (QA/QC) processes to ensure baselines for building simulations or savings calculations are consistent with applicable codes and standards for the installed equipment.	7/31/2025	This program is undergoing significant redesign. As such, recommendations will be included into future program designs and quality control activities
Business New Construction	2024	Measures: Program Wide Recommendation 3. Ensure savings levels for incremental improvements to controls above code requirements are reasonable and consistent with actual expected changes to equipment operation (i.e., reduced shutoff time).	7/31/2025	This program is undergoing significant redesign. As such, recommendations will be included into future program designs and quality control activities
Business Custom	2024	Measures: Custom Recommendation 1. For projects with savings expecting to exceed the threshold of 10% of the building annual gas consumption, the evaluation team recommends that the implementation team conduct a utility billing data analysis to true up the savings achieved at the utility meter. When conducting this analysis, utilize available data through the most recent billing period to allow maximum coverage of the post installation period.	7/31/2025	Nicor Gas will utilize utility billing analysis for projects exceeding the 10% threshold
Business Custom	2024	Measures: Custom, Ultrasonic Mister Recommendation 2a. For ultrasonic mister measures, no savings should be claimed for reduced humidity.		Nicor Gas will not claim savings for humidity reduction on ultrasonic mister measures and will utilize parallel path evaluation for uncommon projects
Business Custom	2024	Recommendation 2b. The Nicor Custom Parallel Path Evaluation Protocol recommends that uncommon and complex custom measures not often seen in the custom program and for projects with savings above 75,000 Therm per year or above 10% of the building annual consumption should have a parallel path evaluation. Guidehouse recommends conducting a parallel path review for projects like NG-22-36.	7/31/2025	
Business Custom	2024	Measures: Custom Recommendation 3. With available project info and data, consider trueing up the key inputs using both top-down and bottom-up approaches for a better understanding of the system operation.	7/31/2025	Nicor Gas will update key inputs for both top-down and bottom-up savings approaches

Business Custom	2024	<p>Measures: Custom</p> <p>Recommendation 6. For compressed air system projects with trended data to support the savings, review the parameters listed in the compressor sheet at CAGI website. For identified outliers in this process, document the adjustments made to account for the outliers in the calculation file for future reference.</p>	7/31/2025	<p>Nicor Gas added additional quality control checks to identify outliers in the custom calculations</p> <p>Nicor Gas added additional quality control checks to ensure inputs and calculations align with usage data</p>
Business Custom	2024	<p>Measures: Custom</p> <p>Recommendation 7. When conducting baseline consumption calculations, compare the baseline usage to the actual utility billing data and tweak the inputs and parameters when necessary to ensure the alignment.</p>	7/31/2025	<p>Nicor Gas will ensure full documentation is provided for all custom savings calculations</p>
Small Business	2024	<p>Measures: SB Custom</p> <p>Recommendation 3. For custom projects, ensure that full documentation are provided to support ex ante savings calculations, and the accurate key inputs and parameters are used in the calculators. In performing regression analysis, ensure that verifiable data set are used.</p>	7/31/2025	
RetroCommissioning	2024	<p>Measures: RCx</p> <p>Recommendation 1. Enhance quality control procedures to reduce these errors and verify that equipment efficiency, where relevant, is included in the savings calculation.</p>	7/31/2025	<p>Nicor Gas added additional quality control checks to include equipment efficiency in savings calculations</p>
RetroCommissioning	2024	<p>Measures: RCx</p> <p>Recommendation 2. Guidehouse recommends the following best practices with regards to savings calculator organization and documentation: Include clear documentation of input and outputs within the custom calculators along with their source where relevant. If savings for an ECM are expected to be split into multiple bundles, they should be clearly labelled to avoid confusion and the possibility of double-counting. If savings for a particular piece of equipment or temperature range are being excluded from a measure bundle, it should be clearly indicated within the documentation along with an explanation for doing so (e.g., to allow more time to collect season-specific trend data). For projects where the ECM is affecting several pieces of equipment (e.g., multiple RTUs, air handling units, fans, boilers etc.) the savings for each impacted equipment should be clearly laid out and documented.</p>	7/31/2025	<p>Nicor Gas will ensure clear documentation within custom calculators to improve readability and organization</p>
RetroCommissioning	2024	<p>Measures: RCx</p> <p>Recommendation 3. Require the EESPs to be very explicit in their project descriptions and calculation workbooks with regards to the scope of the measure bundle in instances where partial savings are being claimed. When the additional savings are claimed for the measure in a future bundle, the EESPs should again clearly document both the current bundle and any precursor submissions so that savings are not over or understated in either bundle.</p>	7/31/2025	<p>Nicor Gas will ensure clear documentation within custom calculators to improve readability and organization</p> <p>Nicor Gas added additional quality control checks when utilizing extrapolations in calculations</p>
RetroCommissioning	2024	<p>Measures: RCx</p> <p>Recommendation 4. Enhance quality control procedures when using extrapolations and employ additional scrutiny on estimated parameters for reasonability and representation of actual in the field operation. Some recommended guidelines include:</p> <p>Each bin parameter should be based on at least 5 observations. Omit bins form extrapolations if BAS data is inadequate.</p> <p>Base extrapolations on data from the same operating mode, i.e. do not include bins above 50°F for heating mode extrapolations. Do not include bins below 70°F for cooling mode extrapolations.</p> <p>Review the results of extrapolations that produce parameter values outside of normal operation range for relevant equipment. Employ bounds on the extrapolations or justify abnormal parameters in the calculation documentation.</p>	7/31/2025	

RetroCommissioning	<p>Measures: RCx</p> <p>Recommendation 6. Continue to track DAC designated sites in the tracking data and ensure all projects that meet the criteria for eligibility are classified as DAC designated sites.</p>	7/31/2025	Nicor Gas will ensure DAC designated sites continue to be tracked and meet the policy requirements
Home Energy Savings	<p>Measures: Air Sealing, Attic Insulation, Basement/Sidewall Insulation</p> <p>Recommendation 5. Ensure the actual/custom values in the tracking data align with what is used for the ex ante savings calculation.</p>	4/9/2025	Nicor Gas added additional quality control checks to ensure all Air Sealing, Attic Insulation and Basement/Sidewall Insulation calculations are performed correctly in accordance with TRM v13