**Nicor Gas Energy Efficiency Program - Plan Year 2021**

**APPENDIX B**

**Quarterly Report: Third Quarter (July 1, 2021 - September 30, 2021)**
**Response to Evaluators' Recommendations**

| Program | PY | Recommendation | Action Completion Date | Action(s) Taken |
|---|---|---|---|---|
| SB | 2020 | Measure: DHW Pipe Insulation<br>Apply the correct algorithms and savings inputs consistently across all projects. | 9/30/2021 | Nicor Gas reviewed the algorithms and updated the savings inputs for consistency across all DHW pipe insulation projects. |
| SB | 2020 | Measure: Custom Projects<br>When available, use site-specific data for energy saving calculation approaches in custom projects. | 8/1/2021 | Nicor Gas agrees that for custom incentives, using site specific data is preferred when and where practical and possible. |
| BEER | 2020 | Measure: Boiler Tune Up, Process<br>Ensure the savings inputs are being reported correctly. Tracked input values should match the units used in the Illinois Technical Reference Manual (TRM) algorithms and application forms. | 8/1/2021 | Nicor Gas reviewed the savings inputs to match the units used in the Illinois Technical Reference Manual (TRM) algorithms and application forms. |
| BEER | 2020 | Measure: Small Commercial Thermostat<br>Correct the savings input error in the tracking system for consistency with the TRM. | 9/30/2021 | Nicor Gas reviewed and updated the savings inputs to meet the algorithms listed in the Illinois Technical Reference Manual (TRM). |
| BEER | 2020 | Measure: Storage Water Heater<br>If savings inputs are deemed in the TRM, the implementation contractor should ensure that deemed inputs are applied consistently as found in the TRM. Rounding the inputs might underestimate or overestimate expected deemed savings. | 9/30/2021 | Nicor Gas updated the savings inputs format to track with the deemed values listed in the the Illinois Technical Reference Manual (TRM). |
| HEER | 2020 | Measure: Advanced Thermostat<br>Ensure that savings for only one thermostat is claimed per home, consistent with the TRM savings methodology. | 9/30/2021 | Nicor Gas included additional QA/QC checks to ensure only one thermostat rebate is provided per account. |
| RNC | 2020 | Measure: Air Sealing<br>Estimate air sealing energy savings using a baseline nHeat value derived from energy code to calculate the baseline therm usage and the new nHeat derived from tracking data to calculate the new home therm usage. | 9/30/2021 | Nicor Gas reviewed and updated the savings inputs as per recommendation. |
| RNC | 2020 | Measure: Air Sealing<br>For air sealing measures, base conditioned volume on a reported conditioned floor area square footage of each project instead of using an average value from a previous evaluation year. | 9/30/2021 | Nicor Gas reviewed and updated the savings inputs as per recommendation. |
| RNC | 2020 | Measure: Air Sealing<br>Use project zip codes to best align with the TRM climate zones when calculating savings. | 9/30/2021 | Nicor Gas updated climate zones to map project site building type with the correct TRM climate zone values. |
| RNC | 2020 | Measure: Air Sealing<br>Confirm the input values used in ex ante savings calculations are consistent and provided as input values in the tracking data. | 9/30/2021 | Nicor Gas reviewed and updated the savings inputs as per recommendation. |
| RNC | 2020 | Measure: High Efficiency Furnace<br>Confirm the input values used in ex ante savings calculations are consistent and provided as input values in the tracking data. | 9/30/2021 | Nicor Gas reviewed and confirmed the savings inputs as per the recommendation. |
| RNC | 2020 | Measure: High Efficiency Furnace<br>Use project zip codes to best align with the TRM Climate Zones when calculating savings. | 9/30/2021 | Nicor Gas updated climate zones to map project site building type with the correct TRM climate zone values. |
| SEM | 2020 | Early in the third quarter, provide a summary to the evaluation team with an expected number of customers and models for the program year. | 9/1/2021 | Nicor Gas provided updates and shared information with the third party regarding current year participation. |
| SEM | 2020 | Model: Education Facilities<br>Clearly define and document all variables used in the final model. Remove or hide unused variables. | 9/1/2021 | Nicor gas has offered insights into labelling field names specific to educational facilities and will continue to do that. |
| Custom/Standalone RCx | 2020 | Use between 12 and 24 months of data when establishing baseline operation in calculations. | 8/20/2021 | Nicor Gas defaults to 12 to 24 months of baseline consumption data and will inform the evaluator in cases where this is not feasible. |
| Custom/Standalone RCx | 2020 | Incorporate a quality control step that confirms that the correct savings is entered in the tracking data. | 8/20/2021 | Nicor Gas has instituted additional QC checks to reduce transcription errors. |
| Custom/Standalone RCx | 2020 | For projects that rely on regression analyses, consider applying separate regressions for times periods that have unique operation (e.g., weekday/weekend, weekday/Saturday/Sunday, etc.). | 8/20/2021 | Nicor Gas is instituting different regression analysis for different operating schedules (Ex: weekday/weekend, etc.) |
| Custom/Standalone RCx | 2020 | Ensure ex ante calculations include explanations or justifications for assumptions and values used to calculate the savings. | 8/20/2021 | Nicor Gas has instituted additional QC checks to reduce transcription errors. We will continue to note or justify any changes to load shapes. |
| Custom/Standalone RCx | 2020 | Work with the evaluator to implement an early review process of evaluator measure life assignments. | 8/20/2021 | Nicor Gas and Guidehouse have added this on the agenda into the parallel-path process which meets on a monthly basis. Anytime there is a new project, existing TRM EUL will be reviewed to assign a measure life to the project. If the project is not clearly identified in the TRM EUL, then Nicor Gas, Guidehouse and implementer will determine the next course of action regarding a reasonable EUL. |