

Nicor Gas Energy Efficiency Programs

Summary of NTG Approach for GPY1 through GPY5

January 12, 2015

January 16, 2015 Evaluation Research Adjustment to GPY5 NTG Values for Strategic Energy Management, Combined Heat and Power, and Multifamily/MCEEP

January 20, 2015 Evaluation Research Adjustment to GPY5 Multifamily Comprehensive Path Free Ridership, revised from 0.10 to 0.08

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	Nicor Gas Business Custom Incentive Program
GPY1	<p>NTG 0.53 Free ridership 47% Spillover 0% Method: Customer self-report: 11 surveys completed from a population of 28. Standard Rigor approach. Trade allies called for 3 participants and their responses factored in to the customer free ridership calculation.</p>
GPY2	<p>NTG 0.72 Free ridership 28% Spillover 0% Method: Evaluation research consisting of GPY2 participating customer self-reports. Free-ridership of 28% and participant spillover of 0% from 16 participating customer NTG interviews completed from a population of 73 projects. Standard Rigor approach.</p>
GPY3	<p>NTG 0.73 Free ridership 27% Spillover 0% Method: Evaluation research consisting of 7 participating GPY3 customer self-reports, with the program level estimate based on combining samples and populations from GPY2 and GPY3. Standard Rigor approach.</p>
GPY4	<p>NTG 0.73 Free ridership 27% Spillover 0% Method: NTG values for GPY4 were deemed to come from GPY3.</p>
GPY5	<p>NTG 0.73 Free ridership 27% Spillover 0% Method: Initial evaluation recommendation. Values from GPY3.</p>

	Nicor Gas Business Energy Efficiency Rebate Program
GPY1	<p>NTG 0.73 Free ridership .27% Spillover 0% Method: Customer self-report: 34 surveys completed from a population of 146. Standard Rigor approach. No quantifiable participant spillover was found from customer self-reports.</p>
GPY2	<p>NTG 0.73 Free ridership 27% Spillover 0% Method: SAG approved NTG ratio based on GPY1 research.</p>
GPY3	<p>NTG 0.83 Free ridership 27% Spillover 10% Method: SAG approved NTG ratio based on GPY1 free-ridership research and deemed spillover.</p>
GPY4	<p>NTG 0.83 Free ridership 27% Spillover 10% Method: NTG values for GPY4 were deemed to come from GPY3.</p>
GPY5	<p>NTG 0.68 Free ridership 35% Participant Spillover 1% Non-Participant Spillover: 2% Method: Initial evaluation recommendation. NTG ratio based on GPY4 free-ridership and participant spillover research consisting of interviews with 44 customer participants and 20 trade ally participants. Standard Rigor approach. Non-participant spillover drawn from GPY2 research consisting of 31 non-participating trade ally interviews.</p>

	Nicor Gas Business New Construction Service
GPY1	<p>NTG 0.33 Free ridership 67% Spillover 0% Method: Customer self-report for all projects. Interviews with individuals representing 4 of 7 projects with gas incentives. NTG scores were adjusted for standard design national retail stores and LEED projects.</p>
GPY2	<p>NTG 0.52 Free ridership N/A Spillover N/A Method: SAG deemed NTG ratio based on electric program evaluation results from EPY4.</p>
GPY3	<p>NTG 0.52 Free ridership N/A Spillover N/A Method: SAG deemed NTG ratio based on electric program evaluation results from EPY4.</p>
GPY4	<p>NTG 0.52 Free ridership N/A Spillover N/A Method: NTG values for GPY4 were deemed to come from GPY3.</p>
GPY5	<p>NTG 0.92 Free ridership 8% Spillover 0% Method: Initial evaluation recommendation drawn from gas-weighted free-ridership results from participant interviews conducted for the Nicor Gas and ComEd GPY3/EPY6 Business New Construction Program. Draft evaluation results that may be updated in January 2015, but revisions anticipated to be minor, if any.</p>

	Nicor Gas Economic Redevelopment
GPY1	<p>NTG 0.8 (planning value) Free ridership N/A Spillover N/A Method: Due to the small number of projects completed in PY1, Navigant used the planning NTG value of 0.8.</p>
GPY2	<p>NTG 0.70 Free ridership N/A Spillover N/A Method: The NTG ratio was deemed by SAG.</p>
GPY3	<p>NTG 0.70 Free ridership N/A Spillover N/A Method: The NTG ratio was deemed by SAG.</p>

	Nicor Gas Emerging Technologies
GPY1	<p>NTG N/A Free ridership N/A Spillover N/A Method: N/A This program feeds other C&I programs; any impacts were attributed to the relevant program.</p>
GPY2	<p>NTG 1.00 Free ridership N/A Spillover N/A Method: The NTG ratio was deemed by SAG.</p>
GPY3	<p>NTG 1.00 Free ridership N/A Spillover N/A Method: The NTG ratio was deemed by SAG.</p>

	Nicor Gas Retro-Commissioning
GPY1	<p>NTG 1.02</p> <p>Free ridership 9%</p> <p>Spillover 11%</p> <p>Method: Customer and service provider self-report. NTG based on GPY1 research – 11 participants with gas savings and eight of nine service providers surveyed. Enhanced method. Participant and Service Provider spillover researched.</p>
GPY2	<p>NTG 1.02</p> <p>Free ridership 9%</p> <p>Spillover 11%</p> <p>Method: SAG deemed NTG ratio based on GPY1 evaluation research.</p>
GPY3	<p>NTG 1.02</p> <p>Free ridership 9%</p> <p>Spillover 11%</p> <p>Method: SAG deemed NTG ratio based on GPY1 evaluation research.</p>
GPY4	<p>NTG 1.02</p> <p>Free ridership 9%</p> <p>Spillover 11%</p> <p>Method: NTG values for GPY4 were deemed to come from GPY3.</p>
GPY5	<p>NTG 1.02</p> <p>Free ridership 9%</p> <p>Spillover 11%</p> <p>Method: Initial evaluation recommendation. No new research. Values based on GPY1 evaluation research.</p>

	Nicor Gas Strategic Energy Management
GPY5	<p>Launched in GPY5</p> <p>NTG 0.91 Free ridership 0.09 Spillover 0.00 Method: GPY5 recommendation for Nicor Gas Retro-Commissioning, except non-participant spillover is not included.</p>

	Nicor Gas Combined Heat and Power
GPY5	<p>Launched in GPY5</p> <p>NTG 0.73 Free ridership 0.73 Spillover 0.00 Method: GPY5 recommendation for Nicor Gas Custom Program.</p>

	Nicor Gas Small Business Energy Savings
GPY1	<p>NTG 1.00 Free ridership 2% Spillover 2% Method: Customer self-report combined with trade ally input. 24 participant surveys completed from a population of 272. Basic method of participant free-ridership analysis was used. No participant spillover was found. Customer participant self-reported free-ridership was 20 percent for Nicor. Individual trade ally responses (representing over 80% of PY1 program savings) to free-ridership questions were weighted by their respective fuel-specific program savings contributions and combined for a fuel-specific maximum overall free-ridership rate. This approach resulted in an evaluation estimate of 0.02 free-ridership for gas measures that was balanced by spillover of 0.02 resulting in a NTG ratio of 1.00 for Nicor.</p>
GPY2	<p>NTG 1.00 Free ridership 2% Spillover 2% Method: SAG deemed NTG ratio based on GPY1 evaluation research.</p>
GPY3	<p>NTG 1.00 Free ridership 2% Spillover 2% Method: SAG deemed NTG ratio based on GPY1 evaluation research.</p>
GPY4	<p>NTG 1.00 Free ridership 2% Spillover 2% Method: NTG values for GPY4 were deemed to come from GPY3.</p>
GPY5	<p>NTG 1.00 Free ridership 2% Spillover 2% Method: Initial evaluation recommendation. No new research. Values based on GPY1 evaluation research.</p>

	Nicor Gas Home Energy Efficiency Rebate
GPY1	<p>NTG 0.69</p> <p>Free-ridership 37%</p> <p>Spillover 6%</p> <p>Method: Evaluation research consisting of customer self-report data from 74 program participants and 53 participating trade allies.</p>
GPY2	<p>NTG 0.69</p> <p>Free-ridership 37%</p> <p>Spillover 6%</p> <p>Method: SAG deemed based on GPY1 research.</p>
GPY3	<p>NTG 0.79</p> <p>Free-ridership 37%</p> <p>Spillover 16%</p> <p>Method: SAG deemed based on GPY1 research and spillover adjustment of 0.10.</p>
GPY4	<p>NTG 0.79</p> <p>Free-ridership 37%</p> <p>Spillover 16%</p> <p>Method: NTG values for GPY4 were deemed to come from GPY3.</p>
GPY5	<p>NTG 0.79</p> <p>Free-ridership 37%</p> <p>Spillover 16%</p> <p>Method: Initial evaluation recommendation. No new research. Values based on GPY1 (free-ridership and spillover) and GPY3 (spillover adder).</p>

	Nicor Gas Behavioral Energy Savings-Energy Buzz
GPY1	NTG N/A Free-ridership N/A Spillover N/A Method: PY1 had no impacts due to late launch.
GPY2	NTG N/A Free-ridership N/A Spillover N/A Method: GPY2 found a net savings value of 26 therms per participant based on secondary research.
GPY3	NTG N/A Free-ridership N/A Spillover N/A Method: GPY3 will use a deemed net savings value of 26 therms per participant based on GPY2 secondary research.

	Nicor Gas Behavioral Energy Savings - Home Energy Reports
GPY1	NA Launched in GPY3
GPY2	NA Launched in GPY3
GPY3	NTG N/A Free ridership N/A Spillover N/A Method: GPY3 will use billing analysis that will yield a net savings values which includes FR and participant SO impacts.
GPY4	NA
GPY5	NTG N/A Free ridership N/A Spillover N/A Method: GPY5 will use billing analysis that will yield a net savings values which includes FR and participant SO impacts.

	Nicor Gas Home Energy Savings
GPY1	<p>Overall NTG 0.86 Overall Free ridership 0.15 Overall Spillover 0.01 Method: Customer self-reports. 54 full-participant (direct install and weatherization measures) surveys completed from a population of 1,081 audits and 320 full-participants.</p>
GPY2	<p>NTG 0.86 Free ridership N/A Spillover N/A Method: SAG deemed NTG ratio.</p>
GPY3	<p>NTG 0.86 Free ridership N/A Spillover N/A Method: SAG deemed NTG ratio.</p>
GPY4	<p>NTG 0.86 Free ridership N/A Spillover N/A Method: NTG values for GPY4 were deemed to come from GPY3.</p>
GPY5	<p>NTG 1.05 Free ridership 9% Spillover 14% Method: Documented in the GPY2 Home Energy Savings evaluation report. Free ridership values from GPY1 full-participant research, and updated spillover values based on GPY2 full participant (n=104) and assessment-only participant surveys (n=68). The evaluation also used trade ally free ridership and spillover feedback that was combined with participant results</p>

	Nicor Gas energySMART Energy Saving Kits
GPY1	NA Launched in GPY3
GPY2	NA Launched in GPY3
GPY3	NTG 0.84 Free ridership 16% Spillover 0% Method: GPY3 program participant self-report data, drawn from analysis of 75 interviews.
GPY4	NTG 0.84 Free ridership 16% Spillover 0% Method: NTG values for GPY4 were deemed to come from GPY3.
GPY5	NTG 0.84 Free ridership 16% Spillover 0% Method: Initial evaluation recommendation. Values from GPY3 program participant self-report data.

	Nicor Gas Residential New Construction
GPY1	NTG not evaluated. Program just launched. No impact evaluation.
GPY2	NTG 0.80 Free ridership 0.20 Spillover 0.00 Method: SAG deemed NTG ratio.
GPY3	NTG 0.80 Free ridership 0.20 Spillover 0.00 Method: SAG deemed NTG ratio.
GPY4	NTG 0.80 Free ridership 0.20 Spillover 0.00 Method: NTG values for GPY4 were deemed to come from GPY3.
GPY5	NTG 0.80 Free ridership 0.20 Spillover 0.00 Method: Initial evaluation recommendation. No new research.

	<p>Nicor Gas Elementary Energy Education</p>
GPY1	<p>NTG 0.68 - 0.96 (varies by measure and participant group) Free ridership 0.18-0.53 Spillover 0.07-0.19 Method: Customer self-report, 223 surveys completed from a population of 9,972.</p>
GPY2	<p>NTG 0.79 Free ridership N/A Spillover N/A Method: SAG deemed NTG ratio</p>
GPY3	<p>NTG 0.79 Free ridership N/A Spillover N/A Method: SAG deemed NTG ratio</p>
GPY4	<p>NTG 0.79 Free ridership N/A Spillover N/A Method: NTG values for GPY4 were deemed to come from GPY3.</p>
GPY5	<p>NTG 0.79 Free ridership N/A Spillover N/A Method: Initial evaluation recommendation. No new research. Values from GPY1 evaluation research.</p>

	Nicor Gas Multifamily Home Energy Savings / MCEEP
GPY1	<p>Program NTG: 0.95</p> <p>Water Efficient Showerheads NTG 0.95</p> <p>Water Efficient Kitchen Aerators NTG 0.95</p> <p>Water Efficient Bath Aerators NTG 0.95</p> <p>Research Method: Participant self-report. CATI telephone survey with participating decision-makers (20 property managers).</p>
GPY2	<p>Dwelling Unit NTG 0.96</p> <p>Common Area NTG 0.93</p> <p>Free ridership N/A</p> <p>Spillover N/A</p> <p>Method: SAG deemed. Values based on GPY1 evaluation research.</p>
GPY3	<p>Dwelling Unit NTG 0.96</p> <p>Common Area NTG 0.93</p> <p>Free ridership N/A</p> <p>Spillover N/A</p> <p>Method: SAG deemed. Values based on GPY1 evaluation research.</p>
GPY4	<p>Dwelling Unit NTG 0.96</p> <p>Common Area NTG 0.93</p> <p>Free ridership N/A</p> <p>Spillover N/A</p> <p>Method: NTG values for GPY4 were deemed to come from GPY3.</p>
GPY5	<p>Dwelling Unit NTG 0.95</p> <p>Free ridership 0.07</p> <p>Spillover 0.02</p> <p>Comprehensive/Common Area NTG 0.94</p> <p>Free ridership 0.08</p> <p>Spillover 0.02</p> <p>Method: Participant self-report. CATI telephone survey with participating decision-makers (74 property managers).</p>