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| To: | Peoples Gas and North Shore GasJennifer Morris, ICC StaffCelia Johnson, Illinois Energy Efficiency Stakeholders Advisory Group |
| From: | Kevin Grabner, Guidehouse |
| Date: | March 14, 2020 |
| Re: | Preliminary Impact Evaluation Findings for 2019 Peoples Gas and North Shore Gas Portfolios |

# Introduction

This memo presents the preliminary results of the impact evaluation of the Peoples Gas (PGL) and North Shore Gas (NSG) 2019 Energy Efficiency Programs. As described in the Illinois Policy Manual,[[1]](#footnote-1) “If draft EM&V reports are not provided by March 15, Evaluators will provide a preliminary evaluation findings memo, including savings and NTG, on or before March 15, utilizing best efforts.” Draft reports have been produced for some but not all PGL and NSG programs. Table 1 provides preliminary evaluation findings for all programs in the 2019 Peoples Gas Energy Efficiency Program portfolio, and Table 2 provides preliminary findings for North Shore Gas.

Where savings are indicated as “Preliminary EOY Analysis” or “Estimated from 2019 Interim Review” we caution that savings could change substantially as the analysis proceeds to draft for external distribution. One program, SEM, did not have sufficient data to estimate verified savings, and there is no previous evaluation history for this program with PGL or NSG. We will follow up with an additional data request to complete the evaluation.

Net-to-Gross (NTG) research is on-going with 2019 participants of the Home Energy Rebate Program, the C&I and Public Sector Prescriptive Rebate Program, and Non-Residential New Construction. Results are expected by July 1, 2020.

Table 1. Net Savings Impact Evaluation for 2019 Peoples Gas Portfolio

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| --- | --- | --- | --- |
| **Program** |  **Ex Ante Net Saved Therms**  |  **Draft Estimate of Verified Net Saved Therms**  | **Basis of Preliminary Draft Estimate** |
| **Income Qualified** |   |   |   |
| Elevate IEMS |  318,511  |  366,288  | Estimated from 2019 Interim Review |
| Elevate PHES |  62,462  |  63,711  | Preliminary EOY Analysis |
| PG AHNC Joint 2019 |  8,062  |  6,774  | Draft 2019 Report in Circulation |
| PG MF IHWAP 2019 |  16,974  |  16,974  | Estimated from 2019 Interim Review |
| Joint Wx IE Retrofits 2019 |  356,372  |  360,147  | Draft 2019 Report in Circulation |
| PG Res - IE Kits 2019 |  178,716  |  178,716  | Estimated from 2019 Interim Review |
| PG SF IHWAP 2019 |  39,340  |  41,715  | Draft 2019 Report in Circulation |
| **Residential** |  |   |   |
| Joint MFES 2019 |  106,036  |  112,398  | Estimated from 2019 Interim Review |
| PG MF Custom 2019 |  63,229  |  49,951  | Estimated from 2019 Interim Review |
| PG MF Custom Optimization 2019 |  23,428  |  18,508  | Estimated from 2019 Interim Review |
| PG MF Prescriptive 2019 |  604,928  |  647,273  | Estimated from 2019 Interim Review |
| PG MF PTA 2019 |  1,893,763  |  2,121,015  | Estimated from 2019 Interim Review |
| Joint HEA 2019 |  203,308  |  199,242  | Preliminary EOY Analysis |
| Joint Wx Rebates 2019 |  19,015  |  20,536  | Estimated from 2019 Interim Review |
| PG - Res - HVAC Rebate 2019 |  176,841  |  176,841  | Estimated from 2019 Interim Review |
| PG - Res - Smart Tstat Rebate 2019 |  782,257  |  782,257  | 100% RR Based on 2018 Result |
| PG - RES - Reports 2019 |  707,476  |  721,626  | Historical Realization Rate (RR) |
| Super Savers PG 2019 |  266,314  |  285,128  | Draft 2019 Report in Circulation |
| **Business and Public Sector** |  |   |   |
| PG C&I Custom 2019 |  292,909  |  269,477  | Estimated from 2019 Interim Review |
| PG C&I Custom Optimization 2019 |  269,432  |  268,893  | Estimated from 2019 Interim Review |
| PG C&I Prescriptive 2019 |  908,186  |  908,186  | Estimated from 2019 Interim Review |
| PG NC Joint and Public NC Joint 2019 |  648,903  |  630,828  | Draft 2019 Report in Circulation |
| PG RCx 2019 and Public RCx 2019 |  171,106  |  235,664  | Draft 2019 Report in Circulation |
| PG SEM 2019 |  157,196  |  -  | Insufficient data, evaluator follow-up required to complete impact evaluation |
| PG Public Custom 2019 |  9,708  |  8,931  | Estimated from 2019 Interim Review |
| PG Public Prescriptive 2019 |  148,515  |  148,515  | Estimated from 2019 Interim Review |
| PG SB 2019 |  1,200,926  |  1,212,936  | Estimated from 2019 Interim Review |
| PG SB Custom 2019 |  106,909  |  105,840  | Estimated from 2019 Interim Review |
| PG SB Custom Optimization 2019 |  9,684  |  9,587  | Estimated from 2019 Interim Review |
| **Portfolio Total** |  **9,750,508**  | **9,967,956**  |  **Preliminary 2019 Net Savings** |

Source: 2019 Ex Ante Net Saved Therms provided by Peoples Gas, February 18, 2020. Draft Estimate of Verified Net Saved Therms based on evaluation research and analysis.

Table 2. Net Savings Impact Evaluation for 2019 North Shore Gas Portfolio

| Program | Ex Ante Net Saved Therms | Draft Estimate of Verified Net Saved Therms | Basis of Preliminary Draft Estimate |
| --- | --- | --- | --- |
| **Income Qualified** |   |   |   |
| Elevate IEMS | 1,886 |  2,169  | Estimated from 2019 Interim Review |
| Elevate PHES | 3,880 |  3,880  | Preliminary EOY Analysis |
| NSG MF IHWAP 2019 | 24,065 |  24,065  | Estimated from 2019 Interim Review |
| NSG SF IHWAP 2019 | 4,298 |  4,543  | Draft 2019 Report in Circulation |
| **Residential** |   |   |   |
| Joint MFES 2019 | 34,317 |  36,376  | Estimated from 2019 Interim Review |
| NSG MF Prescriptive 2019 | 932 |  997  | Estimated from 2019 Interim Review |
| NSG MF PTA 2019 | 22,664 |  25,384  | Estimated from 2019 Interim Review |
| Joint HEA 2019 | 47,514 |  46,564  | Preliminary EOY Analysis |
| Joint Wx Rebates 2019 | 34,508 |  37,269  | Estimated from 2019 Interim Review |
| NSG - Res - HVAC Rebate 2019 | 163,436 |  163,436  | Estimated from 2019 Interim Review |
| NSG - Res - Smart Tstat Rebate 2019 | 146,572 |  146,572  | 100% RR Based on 2018 Result |
| NSG - RES - Reports 2019 | 444,660 |  506,912  | Historical Realization Rate (RR) |
| Super Savers NSG 2019 | 32,732 |  36,987  | Draft 2019 Report in Circulation |
| **Business and Public Sector** |  |   |   |
| NSG C&I Custom 2019 | 17,563 |  16,158  | Estimated from 2019 Interim Review |
| NSG C&I Custom Optimization 2019 | 22,212 |  22,168  | Estimated from 2019 Interim Review |
| NSG C&I Prescriptive 2019 | 510,882 |  510,882  | Estimated from 2019 Interim Review |
| NSG NC Joint 2019  | 11,911 |  10,522  | Draft 2019 Report in Circulation |
| NSG RCx 2019 | 54,909 |  47,222  | Draft 2019 Report in Circulation |
| NSG SEM 2019 | 165,787 |  -  | Insufficient data, evaluator follow-up required to complete impact evaluation |
| NSG Public Custom 2019 | 25,268 |  23,247  | Estimated from 2019 Interim Review |
| NSG Public Prescriptive 2019 | 20,387 |  20,387  | Estimated from 2019 Interim Review |
| NSG Public RCx 2019 | 10,092 |  -  | Draft 2019 Report in Circulation, Savings Claimed by ComEd – follow-up needed |
| NSG SB 2019 | 161,387 |  163,001  | Estimated from 2019 Interim Review |
| NSG SB Custom 2019 | 19,842 |  19,644  | Estimated from 2019 Interim Review |
| **Portfolio Total** | **1,981,704** | **1,868,383** | **Preliminary 2019 Net Savings** |

Source: 2019 Ex Ante Net Saved Therms provided by North Shore Gas, February 18, 2020. Draft Estimate of Verified Net Saved Therms based on evaluation research and analysis.

1. The Illinois Energy Efficiency Policy Manual Version 1.1 is available on the Illinois SAG web site at: http://ilsagfiles.org/SAG\_files/Subcommittees/IL\_EE\_Policy\_Manual\_Subcommittee/2017\_Revision/IL\_EE\_Policy\_Manual\_Version\_1.1\_5-5-17\_FINAL.pdf [↑](#footnote-ref-1)