

| Peoples Gas and North Shore Gas Input Assumptions  |                               |                             |                   |                    |             |                           |             |  |
|--|-------------------------------|-----------------------------|-------------------|--------------------|-------------|---------------------------|-------------|--|
| Program  | Measure                       | Gross Savings (Therms/Unit) | Savings Reference | Net to Gross Ratio |             | Net Savings (Therms/Unit) |             | Notes  |
|  |                               |                             |                   | Peoples            | North Shore | Peoples                   | North Shore |  |
| Residential Prescriptive Program   | Boilers ≥ 300 MBtu ≥ 85% TE   | 1,128.0                     | 1                 | 80%                | 80%         | 902.4                     | 902.4       | 500,000 Btu/hour Capacity, ~6500 HDD, 0.75 TE Baseline Efficiency  |
| Residential Prescriptive Program   | Boilers ≥ 300 MBtu ≥ 90% TE   | 1,598.0                     | 1                 | 80%                | 80%         | 1,278.4                   | 1,278.4     | 500,000 Btu/hour Capacity, ~6500 HDD, 0.75 TE Baseline Efficiency  |
| Residential Prescriptive Program   | Furnace ≤ 225 MBtu ≥ 92% AFUE | 205.0                       | 1                 | 90%                | 70%         | 184.5                     | 143.5       | 75,000 Btu/hour capacity, ~1,400 EFLH, 78% AFUE Baseline Efficiency  |
| Residential Prescriptive Program   | Furnace ≤ 225 MBtu ≥ 95% AFUE | 241.0                       | 1                 | 90%                | 70%         | 216.9                     | 168.7       | 75,000 Btu/hour capacity, ~1,400 EFLH, 78% AFUE Baseline Efficiency  |
| Residential Prescriptive Program   | Boiler Reset Controls         | 66.0                        | 2                 | 80%                | 80%         | 52.8                      | 52.8        |  |
| Residential Prescriptive Program   | Attic Insulation R-38         | 170.0                       | 3                 | 90%                | 80%         | 153.0                     | 136.0       | baseline = R11 attic insulation, ~1700 sq.ft.  |
| Residential Prescriptive Program   | Boilers ≤ 300 MBtu ≥ 90% AFUE | 149.0                       | 1                 | 90%                | 70%         | 134.1                     | 104.3       | 75,000 Btu/hour capacity, ~1,400 EFLH, 80% AFUE Baseline Efficiency  |
| Residential Prescriptive Program   | Boilers ≤ 300 MBtu ≥ 95% AFUE | 211.0                       | 1                 | 90%                | 70%         | 189.9                     | 147.7       | 75,000 Btu/hour capacity, ~1,400 EFLH, 80% AFUE Baseline Efficiency  |
| Mutifamily Direct Install  | Showerheads                   | 21.0                        | 9                 | 95%                | 95%         | 20.0                      | 20.0        |  |
| Mutifamily Direct Install  | Aerators                      | 5.0                         | 5                 | 95%                | 95%         | 4.8                       | 4.8         |  |
| Mutifamily Direct Install  | Pipe Insulation               | 13.0                        | 5                 | 95%                | 95%         | 12.4                      | 12.4        |  |
| Mutifamily Direct Install  | Programmable Thermostat       | 26.0                        | 5                 | 95%                | 95%         | 24.7                      | 24.7        |  |
| Residential Existing Home Program  | Per Home/Project              | 400.0                       | 6                 | 80%                | 80%         | 320.0                     | 320.0       |  |
| Residential Behavioral Change Program  | Per Participant               | 16.2                        | 14                | 98%                | 98%         | 15.9                      | 15.9        |  |
| CI Prescriptive Program  | Boilers ≥ 300 MBtu ≥ 85% TE   | 1,128.0                     | 1                 | 80%                | 80%         | 902.4                     | 902.4       | 500,000 Btu/hour Capacity, ~6500 HDD, 0.75 TE Baseline Efficiency  |
| CI Prescriptive Program  | Boilers ≥ 300 MBtu ≥ 90% TE   | 1,598.0                     | 1                 | 80%                | 80%         | 1,278.4                   | 1,278.4     | 500,000 Btu/hour Capacity, ~6500 HDD, 0.75 TE Baseline Efficiency  |
| CI Prescriptive Program  | Furnace ≥ 92% AFUE            | 270.0                       | 1                 | 80%                | 80%         | 216.0                     | 216.0       | 100,000 Btu/hour capacity, ~6,000 HDD, 78% AFUE Baseline Efficiency  |
| CI Prescriptive Program  | Furnace ≥ 95% AFUE            | 321.0                       | 1                 | 80%                | 80%         | 256.8                     | 256.8       | 100,000 Btu/hour capacity, ~6,050 HDD, 78% AFUE Baseline Efficiency  |
| CI Prescriptive Program  | Programmable Thermostat       | 178.0                       | 7                 | 80%                | 80%         | 142.4                     | 142.4       |  |
| CI Prescriptive Program  | Gas Water Heater .62 EF       | 29.0                        | 1                 | 80%                | 80%         | 23.2                      | 23.2        | Base Unit: 0.52 EF, water heating energy use indices as per US DOE CBECs for selected building types             |
| CI Prescriptive Program  | Gas Water Heater .67 EF       | 57.0                        | 1                 | 80%                | 80%         | 45.6                      | 45.6        | Base Unit: 0.52 EF, water heating energy use indices as per US DOE CBECs for selected building types             |
| CI Prescriptive Program  | Steam trap repair/replacement | 274.0                       | 1                 | 80%                | 80%         | 219.2                     | 219.2       | average heating system efficiency of 75%; trap size ranges from 3/16" to 5/16"; 5 psig steam                     |
| CI Prescriptive Program  | Vent Dampers                  | 60.0                        | 9                 | 80%                | 80%         | 48.0                      | 48.0        |  |
| CI Prescriptive Program  | Boiler tune-up                | 303.0                       | 8                 | 80%                | 80%         | 242.4                     | 242.4       |  |
| CI Prescriptive Program  | Boilers ≤ 300 MBtu ≥ 90% AFUE | 220.0                       | 9                 | 80%                | 80%         | 176.0                     | 176.0       |  |
| CI Prescriptive Program  | Boiler Cutout/Reset Control   | 55.0                        | 9                 | 80%                | 80%         | 44.0                      | 44.0        |  |
| CI Prescriptive Program  | Unit Heater Condensing        | 266.0                       | 1                 | 80%                | 80%         | 212.8                     | 212.8       | Base Unit: 100,000 Btu/hour, 78% AFUE, Condensing Efficiency of 92%; ~1700 EFLH                                  |
| CI Prescriptive Program  | Energy Star Convection Oven   | 323.0                       | 10                | 80%                | 80%         | 258.4                     | 258.4       | Base Unit: 18,000 Btu/hour idle rate, 30% efficiency; Efficient Unit: ~13,000 Btu/hour idle rate, 44% efficiency |
| CI Prescriptive Program  | Energy Star Combination Oven  | 644.0                       | 10                | 80%                | 80%         | 515.2                     | 515.2       | Base Unit: 28,000 Btu/hour idle rate, 35% efficiency; Efficient Unit: 13,000 Btu/hour idle rate, 46% efficiency  |
| CI Prescriptive Program  | Energy Star Fryer             | 505.0                       | 10                | 80%                | 80%         | 404.0                     | 404.0       | Base Unit: 14,000 Btu/hour idle rate, 35% efficiency; Efficient Unit: 9,000 Btu/hour idle rate, 50% efficiency   |
| CI Prescriptive Program  | Infrared Upright Broiler      | 1,089.0                     | 10                | 80%                | 80%         | 871.2                     | 871.2       |  |
| CI Prescriptive Program  | Infrared Charbroiler          | 661.0                       | 10                | 80%                | 80%         | 528.8                     | 528.8       |  |
| CI Prescriptive Program  | Conveyer Oven                 | 733.0                       | 10                | 80%                | 80%         | 586.4                     | 586.4       | Base Unit: 70,000 Btu/hour idle rate, 28% efficiency; Efficient Unit: 57,000 Btu/hour idle rate, 42% efficiency  |
| CI Prescriptive Program  | Pasta Cooker                  | 1,380.0                     | 11                | 80%                | 80%         | 1,104.0                   | 1,104.0     |  |
| CI Prescriptive Program  | Infrared Rotisserie Oven      | 554.0                       | 11                | 80%                | 80%         | 443.2                     | 443.2       |  |
| CI Prescriptive Program  | Infrared Salamander Broiler   | 239.0                       | 11                | 80%                | 80%         | 191.2                     | 191.2       |  |
| CI Prescriptive Program  | Pre Rinse Sprayers            | 162.0                       | 12                | 80%                | 80%         | 129.6                     | 129.6       |  |
| CI Prescriptive Program  | Energy Star Steamer           | 2,084.0                     | 10                | 80%                | 80%         | 1,667.2                   | 1,667.2     | Base Unit: 11,000 Btu/hour idle rate, 12% efficiency; Efficient Unit: 6,250 Btu/hour idle rate, 38% efficiency   |
| CI Custom Program  | Per Custom Project            | 6,000.0                     | 4                 | 90%                | 90%         | 5,400.0                   | 5,400.0     |  |
| CI Small Business Program  | Steam trap repair/replacement | 274.0                       | 1                 | 95%                | 95%         | 260.3                     | 260.3       | average heating system efficiency of 75%; trap size ranges from 3/16" to 5/16"; 5 psig steam                     |
| CI Small Business Program  | Boiler tune-up                | 303.0                       | 8                 | 95%                | 95%         | 287.9                     | 287.9       |  |
| CI Small Business Program  | Boilers ≤ 300 MBtu ≥ 90% AFUE | 220.0                       | 9                 | 80%                | 80%         | 176.0                     | 176.0       |  |
| CI Small Business Program  | Boiler Reset Control          | 55.0                        | 9                 | 95%                | 95%         | 52.3                      | 52.3        |  |
| CI Small Business Program  | Furnace ≥ 92% AFUE            | 270.0                       | 1                 | 80%                | 80%         | 216.0                     | 216.0       | 100,000 Btu/hour capacity, ~6,000 HDD, 78% AFUE Baseline Efficiency  |
| CI Small Business Program  | Unit Heater Condensing        | 266.0                       | 1                 | 80%                | 80%         | 212.8                     | 212.8       | Base Unit: 78% AFUE, Condensing Efficiency of 92%; ~1700 EFLH  |
| CI Small Business Program  | Gas Water Heater .62 EF       | 29.0                        | 1                 | 80%                | 80%         | 23.2                      | 23.2        | Base Unit: 0.52 EF, water heating energy use indices as per US DOE CBECs for selected building types             |
| CI Small Business Program  | Programmable Thermostat       | 178.0                       | 7                 | 95%                | 95%         | 169.1                     | 169.1       |  |
| CI Small Business Program  | Pre Rinse Sprayers            | 162.0                       | 12                | 95%                | 95%         | 153.9                     | 153.9       |  |
| CI Small Business Program  | Showerheads                   | 21.0                        | 9                 | 95%                | 95%         | 20.0                      | 20.0        |  |
| CI Small Business Program  | Aerators                      | 5.0                         | 5                 | 95%                | 95%         | 4.8                       | 4.8         |  |
| CI Small Business Program  | Furnace Tune-Up 110-250 MBtu  | 62.7                        | 13                | 95%                | 95%         | 59.6                      | 59.6        |  |
| CI Retro Commissioning   | Per Building/Project          | 17,400.0                    | 13                | 80%                | 80%         | 13,920.0                  | 13,920.0    |  |
| Savings References:  |                               |                             |                   |                    |             |                           |             |  |
| 1.) Calculated using generally accepted engineering practice   |                               |                             |                   |                    |             |                           |             |  |
| 2.) Savings estimated at 5% of annual usage for 75,000 Btu/hour unit with 1,400 EFLH and a 0.8 Baseline Efficiency   |                               |                             |                   |                    |             |                           |             |  |
| 3.) Calculated by AEG using Residential Building Simulation software   |                               |                             |                   |                    |             |                           |             |  |
| 4.) Estimated average participant based on reported Custom gas efficiency projects, Minnesota Energy Resources Corporation, 2007-2009                              |                               |                             |                   |                    |             |                           |             |  |
| 5.) MEEA IL: Midwest Energy Efficiency Alliance, Illinois Residential Market Analysis  |                               |                             |                   |                    |             |                           |             |  |
| 6.) US Environmental Protection Agency and US Department of Energy, Home Performance with Energy Star, Fact Sheet, Potential Savings, for the Midwest climate zone |                               |                             |                   |                    |             |                           |             |  |
| 7.) Based on deemed savings reported in the Michigan Energy Savings Database, weather adjusted.  |                               |                             |                   |                    |             |                           |             |  |
| 8.) Based on 4.3% Savings of a 500,000 Btu/hour unit with 0.75 TE using 7,050 therms per year.   |                               |                             |                   |                    |             |                           |             |  |
| 9.) Navigant Consulting Inc, Minnesota Gas Energy Efficiency Potential, 2009.  |                               |                             |                   |                    |             |                           |             |  |
| 10.) Fishnick: Food Technology Service Center, Technology Assessment.  |                               |                             |                   |                    |             |                           |             |  |
| 11.) Minnesota Deemed Savings: Minnesota Office of Energy Security, Conservation Incentives Program Deemed Savings Database  |                               |                             |                   |                    |             |                           |             |  |
| 12.) Initial value from Consortium for Energy Efficiency, adjusted for 3 hour usage per day with 1.9 gallons/minute baseline and 1.6 gallon/minute efficient unit  |                               |                             |                   |                    |             |                           |             |  |
| 13.) Based on actual project experience from Commonwealth Edison DSM Programs  |                               |                             |                   |                    |             |                           |             |  |
| 14.) Based on results obtained from current Home Energy Reports programs offered by SMUD, Puget Sound, CenterPoint Energy and National Grid.                       |                               |                             |                   |                    |             |                           |             |  |