|  | High Efficiency Product A  | ssumptions   | Gas Product D  Baseline Product Assur | etailed Technical Ass                   | umptions                        | Ec                 | onomic Assumption | ns               |                                   |                        |               | Stipulated                         | d Output       |                               |                      | Economic A                     | ssumptions  | Program For | recast Inputs | Stipu<br>Valid Ti | ulated Forecast I | Inputs<br>a Period   | Prog                | gram Forecast O | utputs                |                             |
|--|--|--|---------------------------------------|---|---------------------------------|--------------------|-------------------|------------------|-----------------------------------|------------------------|---------------|------------------------------------|----------------|-------------------------------|----------------------|--------------------------------|-------------|-------------|---------------|-------------------|-------------------|----------------------|---------------------|-----------------|-----------------------|-----------------------------|
| Natural Gas Measure Group                    | Measure Description  Natural Gas Measure Description   | High Efficiency Product  | High Efficiency<br>Product            | Baseline Product Description /          | Baseline Product<br>Consumption | Life of<br>Product |                   | Average Baseline | Average<br>Incremental<br>Cost of | Assumed<br>Energy Cost | Rebate as a % | Incremt'l Cost<br>Payback Period F | Incremt'l Cost | Average<br>Annual<br>Customer | Average rebated cost | Average rebated                | Non-Energy  | Energy O&M  |               |                   | NTG               | Installation<br>Rate | Realization<br>Rate | 2020<br>NET Dth | 2020 Rebate<br>Budget | 2020<br>Incremental         |
| TOTAL  |  | Description / Rating   | Consumption<br>(Dth/yr)               | Rating                                  | (Dth/yr)                        | (years)            | Amount            | Product Cost     | Efficient<br>Product              | (\$/Dth)               | Cost          | w/o Rebate                         | with Rebate    | Dth<br>Savings                | per Dth Saved        | Lifetime cost<br>per Dth Saved | O&M Savings | Savings     | (-)           | (-)               | (%)               | (%)                  | (%)                 | (Dth)           | (S)<br>\$1,453,084    | Cost<br>(\$)<br>\$4,584,904 |
| Envelope Improvement 10% - 14.99% - IECC2009 | Envelope Measures with 10% improvement over local code - Combo Customers - IECC 2009 or older        | Energy Efficient Home Based<br>Upon REMRate model by House<br>Rater with Average Size 2387 and<br>Percent BTC 13.68% | 78                                    | Reference Home Based upon Local<br>Code | 91                              | 20                 | \$113             | \$0              | \$403                             | \$6.09                 | 28%           | 5.069550793                        | 3.647515018    | 13.06                         | \$8.66               | \$0.43                         | \$0         | \$0         | 45            | 79                | 92%               | 100%                 | 100%                | 949             | \$8,932               | \$31,842                    |
| Envelope Improvement 15% - 19.99% - IECC2009 | Envelope Measures with 15% improvement over local code - Combo<br>Customers - IECC 2009 or older     | Energy Efficient Home Based<br>Upon REMRate model by House<br>Rater with Average Size 2770 and<br>Percent BTC 18.16% | 76                                    | Reference Home Based upon Local<br>Code | 95                              | 20                 | \$204             | \$0              | \$643                             | \$6.09                 | 32%           | 5.579795462                        | 3.810848883    | 18.91                         | \$10.77              | \$0.54                         | \$0         | \$0         | 109           | 191               | 92%               | 100%                 | 100%                | 3,323           | \$38,913              | \$122,742                   |
| Envelope Improvement 20% - 24.99% - IECC2009 | Envelope Measures with 20% improvement over local code - Combo<br>Customers - IECC 2009 or older     | Energy Efficient Home Based<br>Upon REMRate model by House<br>Rater with Average Size 3450 and<br>Percent BTC 22.75% | 81                                    | Reference Home Based upon Local<br>Code | 109                             | 20                 | \$306             | \$0              | \$987                             | \$6.09                 | 31%           | 5.701719016                        | 3.933186821    | 28.41                         | \$10.77              | \$0.54                         | \$0         | \$0         | 154           | 269               | 92%               | 100%                 | 100%                | 7,032           | \$82,319              | \$265,397                   |
| Envelope Improvement 25% - 29.99% - IECC2009 | Envelope Measures with 25% improvement over local code - Combo<br>Customers - IECC 2009 or older     | Energy Efficient Home Based<br>Upon REMRate model by House<br>Rater with Average Size 3505 and<br>Percent BTC 27.21% | 78                                    | Reference Home Based upon Local<br>Code | 115                             | 20                 | \$403             | \$0              | \$1,283                           | \$6.09                 | 31%           | 5.670242551                        | 3.887469705    | 37.15                         | \$10.86              | \$0.54                         | \$0         | \$0         | 97            | 170               | 92%               | 100%                 | 100%                | 5,810           | \$68,561              | \$218,065                   |
| Envelope Improvement 30% - 34.99% - IECC2009 | Envelope Measures with 30% improvement over local code - Combo<br>Customers - IECC 2009 or older     | Energy Efficient Home Based<br>Upon REMRate model by House<br>Rater with Average Size 3979 and<br>Percent BTC 31.65% | 83                                    | Reference Home Based upon Local<br>Code | 134                             | 20                 | \$493             | \$0              | \$1,631                           | \$6.09                 | 30%           | 5.279546453                        | 3.683757931    | 50.73                         | \$9.72               | \$0.49                         | \$0         | \$0         | 24            | 42                | 92%               | 100%                 | 100%                | 1,960           | \$20,708              | \$68,512                    |
| Envelope Improvement 35% - 39.99% - IECC2009 | Envelope Measures with 35% improvement over local code - Combo<br>Customers - IECC 2009 or older     | Energy Efficient Home Based<br>Upon REMRate model by House<br>Rater with Average Size 4040 and<br>Percent BTC 36.56% | 79                                    | Reference Home Based upon Local<br>Code | 140                             | 20                 | \$605             | \$0              | \$1,992                           | \$6.09                 | 30%           | 5.372575297                        | 3.740560714    | 60.88                         | \$9.94               | \$0.50                         | \$0         | \$0         | 3             | 6                 | 92%               | 100%                 | 100%                | 336             | \$3,630               | \$11,951                    |
| Envelope improvement 40% & higher - IECC2009 | Envelope Measures with 40% improvement over local code - Combo<br>Customers - IECC 2009 or older     | Energy Efficient Home Based<br>Upon REMRate model by House<br>Rater with Average Size 3649 and<br>Percent BTC 44.02% | 52                                    | Reference Home Based upon Local<br>Code | 110                             | 20                 | \$794             | \$0              | \$2,364                           | \$6.09                 | 34%           | 6.726044336                        | 4.467472245    | 57.71                         | \$13.75              | \$0.69                         | \$0         | \$0         | 0             | 0                 | 92%               | 100%                 | 100%                | 0               | \$0                   | \$0                         |
| Envelope Improvement 10% - 14.99% - IECC2009 | Envelope Measures with 10% improvement over local code - Gas Only Customers - IECC 2009 or older     | Energy Efficient Home Based<br>Upon REMRate model by House<br>Rater with Average Size 1965 and<br>Percent BTC 13.51% | 70                                    | Reference Home Based upon Local<br>Code | 82                              | 20                 | \$200             | \$0              | \$265                             | \$6.09                 | 75%           | 3.537900297                        | 0.872257237    | 12.32                         | \$16.23              | \$0.81                         | \$0         | \$0         | 19            | 34                | 92%               | 100%                 | 100%                | 385             | \$6,800               | \$9,025                     |
| Envelope Improvement 15% - 19.99% - IECC2009 | Envelope Measures with 15% improvement over local code - Gas Only Customers - IECC 2009 or older     | Energy Efficient Home Based<br>Upon REMRate model by House<br>Rater with Average Size 2605 and<br>Percent BTC 17.82% | 81                                    | Reference Home Based upon Local<br>Code | 102                             | 20                 | \$350             | \$0              | \$502                             | \$6.09                 | 70%           | 4.012339294                        | 1.214468474    | 20.54                         | \$17.04              | \$0.85                         | \$0         | \$0         | 47            | 82                | 92%               | 100%                 | 100%                | 1,550           | \$28,700              | \$41,158                    |
| Envelope Improvement 20% - 24.99% - IECC2009 | Envelope Measures with 20% improvement over local code - Gas Only Customers - IECC 2009 or older     | Energy Efficient Home Based<br>Upon REMRate model by House<br>Rater with Average Size 3342 and<br>Percent BTC 23.03% | 81                                    | Reference Home Based upon Local<br>Code | 110                             | 20                 | \$500             | \$0              | \$872                             | \$6.09                 | 57%           | 4.884480223                        | 2.082242419    | 29.30                         | \$17.07              | \$0.85                         | \$0         | \$0         | 66            | 115               | 92%               | 100%                 | 100%                | 3,100           | \$57,500              | \$100,226                   |
| Envelope Improvement 25% - 29.99% - IECC2009 | Envelope Measures with 25% improvement over local code - Gas Only Customers - IECC 2009 or older     | Energy Efficient Home Based<br>Upon REMRate model by House<br>Rater with Average Size 3607 and<br>Percent BTC 27.21% | 81                                    | Reference Home Based upon Local<br>Code | 120                             | 20                 | \$650             | \$0              | \$1,156                           | \$6.09                 | 56%           | 4.893710768                        | 2.14124357     | 38.78                         | \$16.76              | \$0.84                         | \$0         | \$0         | 42            | 73                | 92%               | 100%                 | 100%                | 2,604           | \$47,450              | \$84,363                    |
| Envelope Improvement 30% - 34.99% - IECC2009 | Envelope Measures with 30% improvement over local code - Gas Only Customers - IECC 2009 or older     | Energy Efficient Home Based<br>Upon REMRate model by House<br>Rater with Average Size 4092 and<br>Percent BTC 31.41% | 85                                    | Reference Home Based upon Local<br>Code | 137                             | 20                 | \$800             | \$0              | \$1,490                           | \$6.09                 | 54%           | 4.725612709                        | 2.18917951     | 51.79                         | \$15.45              | \$0.77                         | \$0         | \$0         | 10            | 17                | 92%               | 100%                 | 100%                | 810             | \$13,600              | \$25,338                    |
| Envelope Improvement 35% - 39.99% - IECC2009 | Envelope Measures with 35% improvement over local code - Gas Only Customers - IECC 2009 or older     | Energy Efficient Home Based<br>Upon REMRate model by House<br>Rater with Average Size 3508 and<br>Percent BTC 36.77% | 76                                    | Reference Home Based upon Local<br>Code | 137                             | 20                 | \$1,000           | \$0              | \$1,749                           | \$6.09                 | 57%           | 4.762365885                        | 2.039254567    | 60.30                         | \$16.58              | \$0.83                         | \$0         | \$0         | 1             | 2                 | 92%               | 100%                 | 100%                | 111             | \$2,000               | \$3,498                     |
| Envelope Improvement 40% & higher - IECC2009 | Envelope Measures with 40% improvement over local code - Gas Only Customers - IECC 2009 or older     | Energy Efficient Home Based<br>Upon REMRate model by House<br>Rater with Average Size 3890 and<br>Percent BTC 42.35% | 50                                    | Reference Home Based upon Local<br>Code | 95                              | 20                 | \$1,400           | \$0              | \$2,065                           | \$6.09                 | 68%           | 7.60400304                         | 2.449629554    | 44.60                         | \$31.39              | \$1.57                         | \$0         | \$0         | 0             | 0                 | 92%               | 100%                 | 100%                | 0               | \$0                   | \$0                         |
| Envelope Improvement 10% - 14.99% - IECC2012 | Envelope Measures with 10% improvement over local code - Combo<br>Customers IECC 2012 or Higher 2015 | Energy Efficient Home Based<br>Upon REMRate model by House<br>Rater with Average Size 3996 and<br>Percent BTC 12.76% | 88                                    | Reference Home Based upon Local<br>Code | 103                             | 20                 | \$154             | \$0              | \$664                             | \$6.09                 | 23%           | 7.523078784                        | 5.77254001     | 14.49                         | \$10.66              | \$0.53                         | \$0         | \$0         | 532           | 932               | 92%               | 100%                 | 100%                | 12,425          | \$143,975             | \$618,743                   |
| Envelope Improvement 15% - 19.99% - IECC2012 | Envelope Measures with 15% improvement over local code - Combo Customers IECC 2012 or Higher 2015    | Energy Efficient Home Based<br>Upon REMRate model by House<br>Rater with Average Size 4000 and<br>Percent BTC 17.33% | 80                                    | Reference Home Based upon Local<br>Code | 100                             | 20                 | \$197             | \$0              | \$1,063                           | \$6.09                 | 19%           | 8.889810709                        | 7.238544611    | 19.63                         | \$10.06              | \$0.50                         | \$0         | \$0         | 370           | 647               | 92%               | 100%                 | 100%                | 11,686          | \$127,740             | \$687,705                   |
| Envelope Improvement 20% - 24.99% - IECC2012 | Envelope Measures with 20% improvement over local code - Combo Customers IECC 2012 or Higher 2015    | Energy Efficient Home Based<br>Upon REMRate model by House<br>Rater with Average Size 4217 and<br>Percent BTC 21.78% | 73                                    | Reference Home Based upon Local<br>Code | 99                              | 20                 | \$318             | \$0              | \$2,082                           | \$6.09                 | 15%           | 13.16267364                        | 11.15110322    | 25.98                         | \$12.25              | \$0.61                         | \$0         | \$0         | 70            | 123               | 92%               | 100%                 | 100%                | 2,940           | \$39,143              | \$256,131                   |
| Envelope Improvement 25% - 29.99% - IECC2012 | Envelope Measures with 25% improvement over local code - Combo<br>Customers IECC 2012 or Higher 2015 | Energy Efficient Home Based<br>Upon REMRate model by House<br>Rater with Average Size 3947 and<br>Percent BTC 26.8%  | 67                                    | Reference Home Based upon Local<br>Code | 97                              | 20                 | \$457             | \$0              | \$3,001                           | \$6.09                 | 15%           | 16.44692903                        | 13.9451297     | 29.96                         | \$15.24              | \$0.76                         | \$0         | \$0         | 15            | 27                | 92%               | 100%                 | 100%                | 744             | \$12,326              | \$81,030                    |
| Envelope Improvement 30% - 34.99% - IECC2012 | Envelope Measures with 30% improvement over local code - Combo<br>Customers IECC 2012 or Higher 2015 | Energy Efficient Home Based<br>Upon REMRate model by House<br>Rater with Average Size 3610 and<br>Percent BTC 32.17% | 59                                    | Reference Home Based upon Local<br>Code | 94                              | 20                 | \$775             | \$0              | \$5,006                           | \$6.09                 | 15%           | 23.21918258                        | 19.62329016    | 35.40                         | \$21.90              | \$1.09                         | \$0         | \$0         | 14            | 24                | 92%               | 100%                 | 100%                | 782             | \$18,605              | \$120,138                   |
| Envelope Improvement 35% - 39.99% - IECC2012 | Envelope Measures with 35% improvement over local code - Combo<br>Customers IECC 2012 or Higher 2015 | Energy Efficient Home Based<br>Upon REMRate model by House<br>Rater with Average Size 4666 and<br>Percent BTC 38.47% | 62                                    | Reference Home Based upon Local<br>Code | 114                             | 20                 | \$1,062           | \$0              | \$8,491                           | \$6.09                 | 13%           | 27.01920459                        | 23.63963321    | 51.60                         | \$20.58              | \$1.03                         | \$0         | \$0         | 6             | 10                | 92%               | 100%                 | 100%                | 475             | \$10,620              | \$84,906                    |
| Envelope Improvement 40% & higher - IECC2012 | Envelope Measures with 40% improvement over local code - Combo<br>Customers IECC 2012 or Higher 2015 | Energy Efficient Home Based<br>Upon REMRate model by House<br>Rater with Average Size 3890 and<br>Percent BTC 42.63% | 50                                    | Reference Home Based upon Local<br>Code | 95                              | 20                 | \$1,209           | \$0              | \$8,024                           | \$6.09                 | 15%           | 29.54333104                        | 25.0914186     | 44.60                         | \$27.11              | \$1.36                         | \$0         | \$0         | 1             | 1                 | 92%               | 100%                 | 100%                | 41              | \$1,209               | \$8,024                     |
| Envelope Improvement 10% - 14.99% - IECC2012 | Envelope Measures with 10% improvement over local code - Gas Only Customers IECC 2012 or Higher 2015 | Energy Efficient Home Based<br>Upon REMRate model by House<br>Rater with Average Size 3783 and<br>Percent BTC 12.7%  | 84                                    | Reference Home Based upon Local<br>Code | 97                              | 20                 | \$250             | \$0              | \$485                             | \$6.09                 | 52%           | 6.160829505                        | 2.98774471     | 12.94                         | \$19.32              | \$0.97                         | \$0         | \$0         | 228           | 399               | 92%               | 100%                 | 100%                | 4,749           | \$99,750              | \$193,674                   |
| Envelope Improvement 15% - 19.99% - IECC2012 | Envelope Measures with 15% improvement over local code - Gas Only Customers IECC 2012 or Higher 2015 | Energy Efficient Home Based Upon REMRate model by House Rater with Average Size 4033 and Percent BTC 17.15%          | 85                                    | Reference Home Based upon Local<br>Code | 105                             | 20                 | \$400             | \$0              | \$991                             | \$6.09                 | 40%           | 8.062966154                        | 4.807171088    | 20.17                         | \$19.83              | \$0.99                         | \$0         | \$0         | 158           | 277               | 92%               | 100%                 | 100%                | 5,141           | \$110,800             | \$274,396                   |
| Envelope Improvement 20% - 24.99% - IECC2012 | Envelope Measures with 20% improvement over local code - Gas Only Customers IECC 2012 or Higher 2015 | Energy Efficient Home Based<br>Upon REMRate model by House<br>Rater with Average Size 4107 and<br>Percent BTC 21.21% | 78                                    | Reference Home Based upon Local<br>Code | 104                             | 20                 | \$600             | \$0              | \$1,852                           | \$6.09                 | 32%           | 11.47851376                        | 7.759595441    | 26.49                         | \$22.65              | \$1.13                         | \$0         | \$0         | 30            | 53                | 92%               | 100%                 | 100%                | 1,292           | \$31,800              | \$98,151                    |
| Envelope Improvement 25% - 29.99% - IECC2012 | Envelope Measures with 25% improvement over local code - Gas Only Customers IECC 2012 or Higher 2015 | Energy Efficient Home Based<br>Upon REMRate model by House<br>Rater with Average Size 3827 and<br>Percent BTC 26.07% | 80                                    | Reference Home Based upon Local<br>Code | 117                             | 20                 | \$900             | \$0              | \$2,539                           | \$6.09                 | 35%           | 11.3004735                         | 7.295507344    | 36.90                         | \$24.39              | \$1.22                         | \$0         | \$0         | 6             | 11                | 92%               | 100%                 | 100%                | 373             | \$9,900               | \$27,934                    |

| Envelope Improvement 30% - 34.99% - IECC2012 | Envelope Measures with 30% improvement over local code - Gas Only<br>Customers IECC 2012 or Higher 2015            | Energy Efficient Home Based<br>Upon REMRate model by House<br>Rater with Average Size 3890 and<br>Percent BTC 33.34% | 59   | Reference Home Based upon Local<br>Code                 | 95   | 20 | \$1,300 | \$0 | \$5,824 | \$6.09 | 22%  | 26.86329152 20.867092  | 9 35.60 | \$36.52  | \$1.83  | \$0 | \$0 | 6   | 11  | 92% | 100% | 100% | 360   | \$14,300 | \$64,065  |
|--|--|--|------|---|------|----|---------|-----|---------|--------|------|------------------------|---------|----------|---------|-----|-----|-----|-----|-----|------|------|-------|----------|-----------|
| Envelope Improvement 35% - 39.99% - IECC2012 | Envelope Measures with 35% improvement over local code - Gas Only<br>Customers IECC 2012 or <del>Higher 2015</del> | Energy Efficient Home Based<br>Upon REMRate model by House<br>Rater with Average Size 3890 and<br>Percent BTC 39.64% | 54   | Reference Home Based upon Local<br>Code                 | 95   | 20 | \$2,000 | \$0 | \$7,648 | \$6.09 | 26%  | 30.93052284 22.8416749 | 3 40.60 | \$49.26  | \$2.46  | \$0 | \$0 | 3   | 5   | 92% | 100% | 100% | 187   | \$10,000 | \$38,238  |
| Envelope Improvement 40% & higher - IECC2012 | Envelope Measures with 40% improvement over local code - Gas Only Customers IECC 2012 or Higher 2015               | Energy Efficient Home Based<br>Upon REMRate model by House<br>Rater with Average Size 3890 and<br>Percent BTC 42.63% | 50   | Reference Home Based upon Local<br>Code                 | 95   | 20 | \$2,550 | \$0 | \$8,024 | \$6.09 | 32%  | 29.54333104 20.1550079 | 1 44.60 | \$57.17  | \$2.86  | \$0 | \$0 | 0   | 0   | 92% | 100% | 100% | 0     | \$0      | \$0       |
| Envelope Improvement 10% - 14.99% - IECC2018 | Envelope Measures with 10% improvement over local code - Combo Customers IECC 2018                                 | Energy Efficient Home Based<br>Upon REMRate model by House<br>Rater  | 84   | Reference Home Based upon Local<br>Code                 | 100  | 20 | \$142   | \$0 | \$158   | \$6.09 | 90%  | 1.677505592 0.1685814- | 9 15.43 | \$9.19   | \$0.46  | \$0 | \$0 |     | 546 | 92% | 100% | 100% | 7,749 | \$77,396 | \$86,042  |
| Envelope Improvement 15% - 19.99% - IECC2018 | Envelope Measures with 15% improvement over local code - Combo<br>Customers IECC 2018                              | Energy Efficient Home Based<br>Upon REMRate model by House<br>Rater  | 75   | Reference Home Based upon Local<br>Code                 | 100  | 20 | \$253   | \$0 | \$748   | \$6.09 | 34%  | 5.046884826 3.3432710  | 6 24.35 | \$10.38  | \$0.52  | \$0 | \$0 |     | 389 | 92% | 100% | 100% | 8,715 | \$98,277 | \$291,141 |
| Envelope Improvement 20% - 24.99% - IECC2018 | Envelope Measures with 20% improvement over local code - Combo<br>Customers IECC 2018                              | Energy Efficient Home Based<br>Upon REMRate model by House<br>Rater  | 70   | Reference Home Based upon Local<br>Code                 | 101  | 20 | \$346   | \$0 | \$1,204 | \$6.09 | 29%  | 6.357769912 4.52985044 | 6 31.09 | \$11.13  | \$0.56  | \$0 | \$0 |     | 74  | 92% | 100% | 100% | 2,117 | \$25,614 | \$89,090  |
| Envelope Improvement 25% - 29.99% - IECC2018 | Envelope Measures with 25% improvement over local code - Combo Customers IECC 2018                                 | Energy Efficient Home Based<br>Upon REMRate model by House<br>Rater  | 68   | Reference Home Based upon Local<br>Code                 | 100  | 20 | \$579   | \$0 | \$1,540 | \$6.09 | 38%  | 8.104965638 5.0556578  | 1 31.20 | \$18.57  | \$0.93  | \$0 | \$0 |     | 15  | 92% | 100% | 100% | 431   | \$8,691  | \$23,101  |
| Envelope Improvement 30% - 34.99% - IECC2018 | Envelope Measures with 30% improvement over local code - Combo<br>Customers IECC 2018                              | Energy Efficient Home Based<br>Upon REMRate model by House<br>Rater  | 56   | Reference Home Based upon Local<br>Code                 | 107  | 20 | \$1,003 | \$0 | \$3,325 | \$6.09 | 30%  | 10.6031144 7.4028947   | 3 51.49 | \$19.49  | \$0.97  | \$0 | \$0 |     | 15  | 92% | 100% | 100% | 711   | \$15,052 | \$49,871  |
| Envelope Improvement 35% - 39.99% - IECC2018 | Envelope Measures with 35% improvement over local code - Combo<br>Customers IECC 2018                              | Energy Efficient Home Based<br>Upon REMRate model by House<br>Rater  | 56   | Reference Home Based upon Local<br>Code                 | 107  | 20 | \$1,544 | \$0 | \$3,325 | \$6.09 | 46%  | 10.6031144 5.67969960  | 6 51.49 | \$29.98  | \$1.50  | \$0 | \$0 |     | 7   | 92% | 100% | 100% | 332   | \$10,807 | \$23,273  |
| Envelope Improvement 40% & higher - IECC2018 | Envelope Measures with 40% improvement over local code - Combo<br>Customers IECC 2018                              | Energy Efficient Home Based<br>Upon REMRate model by House<br>Rater  | 56   | Reference Home Based upon Local<br>Code                 | 107  | 20 | \$1,968 | \$0 | \$3,325 | \$6.09 | 59%  | 10.6031144 4.3257605   | 4 51.49 | \$38.23  | \$1.91  | \$0 | \$0 |     | 5   | 92% | 100% | 100% | 237   | \$9,842  | \$16,624  |
| Envelope Improvement 10% - 14.99% - IECC2018 | Envelope Measures with 10% improvement over local code - Gas Only<br>Customers IECC 2018                           | Energy Efficient Home Based<br>Upon REMRate model by House<br>Rater  | 84   | Reference Home Based upon Local<br>Code                 | 100  | 20 | \$250   | \$0 | \$278   | \$6.09 | 90%  | 2.958563655 0.2973217  | 9 15.43 | \$16.21  | \$0.81  | \$0 | \$0 |     | 234 | 92% | 100% | 100% | 3,321 | \$58,500 | \$65,036  |
| Envelope Improvement 15% - 19.99% - IECC2018 | Envelope Measures with 15% improvement over local code - Gas Only<br>Customers IECC 2018                           | Energy Efficient Home Based<br>Upon REMRate model by House<br>Rater  | 75   | Reference Home Based upon Local<br>Code                 | 100  | 20 | \$400   | \$0 | \$1,185 | \$6.09 | 34%  | 7.99063462 5.29333610  | 8 24.35 | \$16.43  | \$0.82  | \$0 | \$0 |     | 167 | 92% | 100% | 100% | 3,741 | \$66,800 | \$197,892 |
| Envelope Improvement 20% - 24.99% - IECC2018 | Envelope Measures with 20% improvement over local code - Gas Only<br>Customers IECC 2018                           | Energy Efficient Home Based<br>Upon REMRate model by House<br>Rater  | 70   | Reference Home Based upon Local<br>Code                 | 101  | 20 | \$600   | \$0 | \$2,087 | \$6.09 | 29%  | 11.02057534 7.85205489 | 5 31.09 | \$19.30  | \$0.96  | \$0 | \$0 |     | 31  | 92% | 100% | 100% | 887   | \$18,600 | \$64,694  |
| Envelope Improvement 25% - 29.99% - IECC2018 | Envelope Measures with 25% improvement over local code - Gas Only<br>Customers IECC 2018                           | Energy Efficient Home Based<br>Upon REMRate model by House<br>Rater  | 68   | Reference Home Based upon Local<br>Code                 | 100  | 20 | \$900   | \$0 | \$2,392 | \$6.09 | 38%  | 12.58926008 7.85283909 | 7 31.20 | \$28.84  | \$1.44  | \$0 | \$0 |     | 7   | 92% | 100% | 100% | 201   | \$6,300  | \$16,745  |
| Envelope Improvement 30% - 34.99% - IECC2018 | Envelope Measures with 30% improvement over local code - Gas Only<br>Customers IECC 2018                           | Energy Efficient Home Based<br>Upon REMRate model by House<br>Rater  | 56   | Reference Home Based upon Local<br>Code                 | 107  | 20 | \$1,300 | \$0 | \$4,307 | \$6.09 | 30%  | 13.73638346 9.59048423 | 7 51.49 | \$25.25  | \$1.26  | \$0 | \$0 |     | 7   | 92% | 100% | 100% | 332   | \$9,100  | \$30,151  |
| Envelope Improvement 35% - 39.99% - IECC2018 | Envelope Measures with 35% improvement over local code - Gas Only<br>Customers IECC 2018                           | Energy Efficient Home Based<br>Upon REMRate model by House<br>Rater  | 56   | Reference Home Based upon Local<br>Code                 | 107  | 20 | \$2,000 | \$0 | \$4,307 | \$6.09 | 46%  | 13.73638346 7.3580769  | 51.49   | \$38.84  | \$1.94  | \$0 | \$0 |     | 3   | 92% | 100% | 100% | 142   | \$6,000  | \$12,922  |
| Envelope Improvement 40% & higher - IECC2018 | Envelope Measures with 40% improvement over local code - Gas Only<br>Customers IECC 2018                           | Energy Efficient Home Based<br>Upon REMRate model by House<br>Rater  | 56   | Reference Home Based upon Local<br>Code                 | 107  | 20 | \$2,550 | \$0 | \$4,307 | \$6.09 | 59%  | 13.73638346 5.6040426  | 3 51.49 | \$49.53  | \$2.48  | \$0 | \$0 |     | 1   | 92% | 100% | 100% | 47    | \$2,550  | \$4,307   |
| ES Clothes Washer                            | Energy Star Clothes Washer - Combo Customers w/ Gas DHW  | Energy Star Clothes Washer   | 0.3  | Standard Clothes Washer                                 | 0.5  | 11 | \$19    | \$0 | \$19    | \$6.09 | 100% | 2.074614251 0.00       | 0.12    | \$162.24 | \$14.75 | \$8 | \$0 | 101 | 176 | 92% | 100% | 100% | 19    | \$3,291  | \$3,291   |
| ES Clothes Washer                            | Energy Star Clothes Washer - Gas Only Customers w/ Gas DHW   | Energy Star Clothes Washer   | 0.3  | Standard Clothes Washer                                 | 0.5  | 11 | \$30    | \$0 | \$19    | \$6.09 | 161% | 2.074614251 -1.26      | 0.12    | \$260.79 | \$23.71 | \$8 | \$0 | 43  | 76  | 92% | 100% | 100% | 8     | \$2,270  | \$1,412   |
| Energy Star Smart Thermostat                 | Install Energy Star certified smart thermostat - COMBO   | Average Single Family House with<br>EnergyStar Smart Thermostat  | 55.4 | Average Single Family House with<br>Standard Thermostat | 60.2 | 10 | \$18    | \$0 | \$78    | \$6.09 | 23%  | 2.657979267 2.04       | 4.82    | \$3.76   | \$0.38  | \$0 | \$0 | 408 | 715 | 92% | 100% | 100% | 3,168 | \$12,963 | \$55,739  |
| Energy Star Smart Thermostat                 | Install Energy Star certified smart thermostat - GAS ONLY  | Average Single Family House with<br>EnergyStar Smart Thermostat  | 55.4 | Average Single Family House with<br>Standard Thermostat | 60.2 | 10 | \$50    | \$0 | \$78    | \$6.09 | 64%  | 2.657979267 0.95       | 4.82    | \$10.38  | \$1.04  | \$0 | \$0 | 134 | 235 | 92% | 100% | 100% | 1,041 | \$11,750 | \$18,320  |