



Summary of California's Dynamic Pricing Programs

2012 Ex Post Estimates

| | PG&E^A SmartRate™ | SCE^B PTR | SDG&E^C PTR |
|--|---|-------------------------------|-------------------------------------|
| Avg. Opt-In Customer Reduction (kW) | 0.280 | 0.097 | 0.083 |
| Avg. Opt-In Customer % Reduction | 18.0% | 4.3% | 6.4% |
| Avg. Opt-In Aggregate Load Impacts (MW) | 17.1 | 14.1 | 3.7 |
| Avg. Opt-In Customer Count for Season | 60,799 | 146,052 | 44,160 |

| <u>Reference</u> | <u>IOU</u> | <u>File Source</u> | <u>Pages</u> | <u>Tables</u> |
|------------------|--------------------|--|--------------|---------------|
| A | PG&E ¹ | 2012 SmartRate™ Load Impact Protocol Evaluation Report | 30-31 | 4-1; 4-2 |
| B | SCE ² | 2012 PTR Load Impact Protocol Evaluation Report | 2, 10, 12 | 4-1; 4-4 |
| C | SDG&E ³ | 2012 PTR Load Impact Protocol Evaluation Report | 3 | ES-1 |

¹ **PG&E NOTE:** In PG&E's 2012 SmartRate™ Load Impact Evaluation, the load impact estimates for SmartRate™ only customers (n=38,667) and customers dually enrolled in SmartRate™ and SmartAC™ (n=22,132) are separated into two tables: Table 4-1 and Table 4-2. SmartAC™ is PG&E's AC cycling program. In the electronic Excel spreadsheet named "2012 SmartRate™ Ex Post Protocol Tables - All Customers" filed with the CPUC under R.07-01-041 on April 1, 2013, the estimates for the both for SmartRate™ only and dually enrolled SmartRate™ and SmartAC™ customers are combined together to produce total SmartRate™ program load impacts. Customers that are dually enrolled in SmartRate™ and SmartAC™ opt-in to having PG&E cycle their AC units when a SmartRate™ event is called. Screenshots of PG&E's ex post load impact protocol tables for this combined customer group are presented on pages 2 and 3 of this presentation.

² **SCE NOTE:** To be consistent with the information presented for PG&E and SDG&E, the SCE PTR load impact estimates presented in the main table include customers from the general SCE population that opted to receive PTR notifications (n=117,942), plus SCE customers that were enrolled in SCE's AC cycling program, Summer Discount Program (SDP) (n=28,111). Like PG&E and SDG&E, the load impact estimates for this combined group is only presented in the electronic Excel spreadsheets filed with the CPUC under R.07-01-041 on April 1, 2013. Screenshots of SCE's ex post load impact protocol tables for this combined customer group are presented on pages 6 and 7 of this presentation.

³ **SDG&E NOTE:** To be consistent with the information presented for PG&E and SCE, the SDG&E PTR load impact estimates presented in the main table include customers from the general SDG&E population that opted to receive PTR notifications (n=41,243), plus SDG&E customers that were enrolled in SDG&E's AC cycling program, Summer Saver (SS) (n=2,917). Like PG&E and SCE, the load impact estimates for this combined group is only presented in the electronic Excel spreadsheets filed with the CPUC under R.07-01-041 on April 1, 2013. Screenshots of SDG&E's ex post load impact protocol tables for this combined customer group are presented on pages 9 and 10 of this presentation.

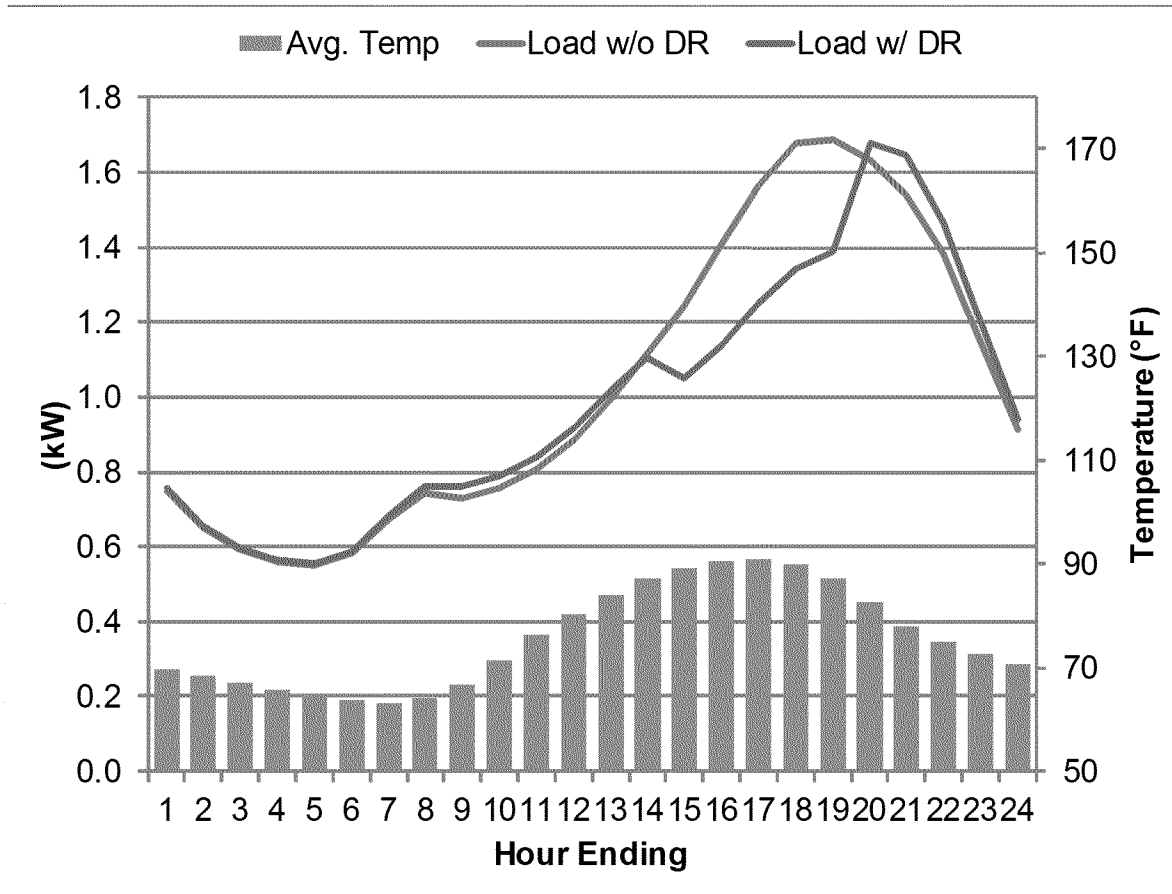


PG&E's SmartRate (Avg. Customer)

2012 Ex Post Estimates - Dually Enrolled SmartRate/SmartAC(TM)

| | |
|---------------------|-------------------|
| Customers | Both |
| Local Capacity Area | All |
| Date | Average Event Day |
| Result Type | Average Customer |
| Enrolled Customers | 60,799 |

| | |
|-----------------------------------|------|
| Event Start | 2 PM |
| Event End | 7 PM |
| Average Temp. for Event Window | 90 |
| Load Reduction for Event Window | 0.28 |
| % Load Reduction for Event Window | 18% |



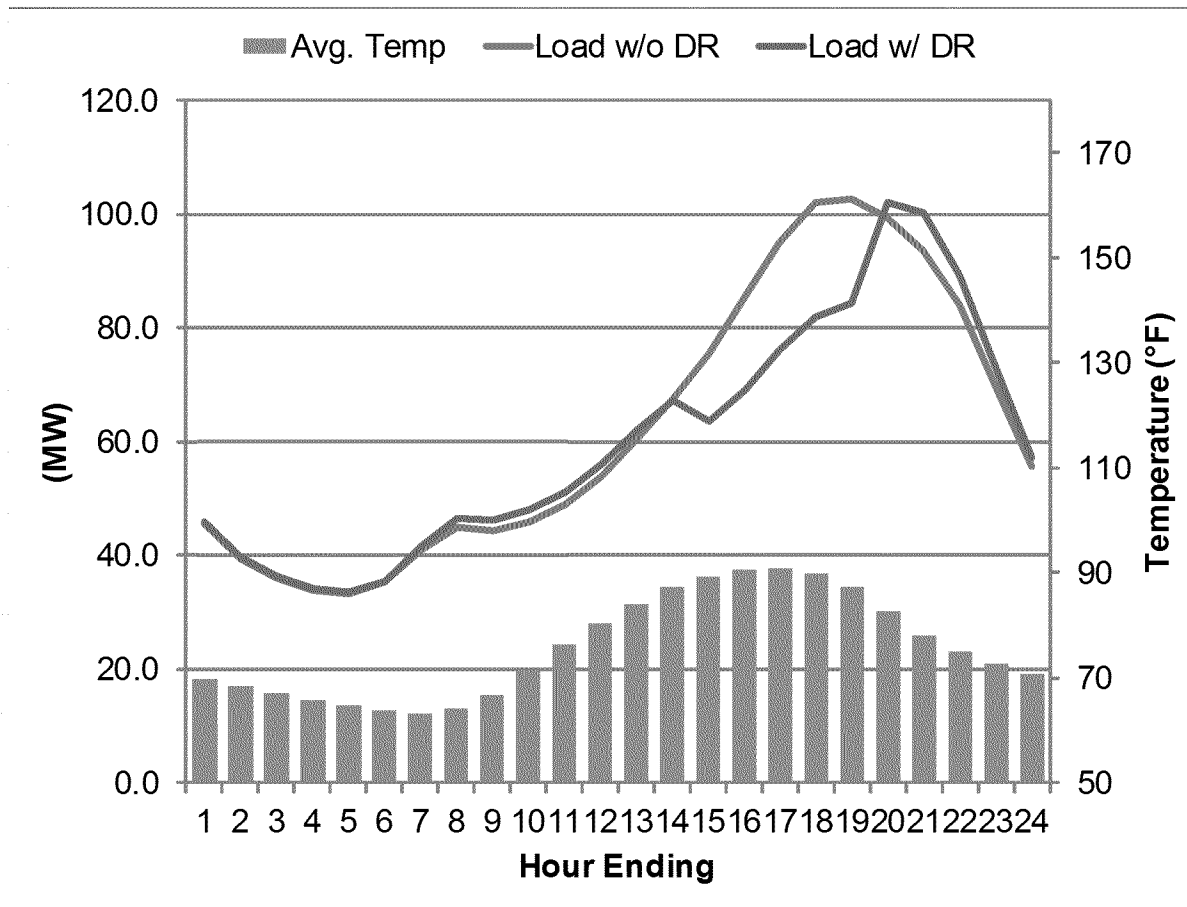


PG&E's SmartRate (Aggregate)

2012 Ex Post Estimates - Dually Enrolled SmartRate/SmartAC(TM)

| | |
|---------------------|-------------------|
| Customers | Both |
| Local Capacity Area | All |
| Date | Average Event Day |
| Result Type | Aggregate |
| Enrolled Customers | 60,799 |

| | |
|-----------------------------------|-------|
| Event Start | 2 PM |
| Event End | 7 PM |
| Average Temp. for Event Window | 90 |
| Load Reduction for Event Window | 17.12 |
| % Load Reduction for Event Window | 18% |





SCE's PTR Program 2012 Ex Post Estimates - PTR Opt-In Only

Table 4-1: Residential SPD (PTR) Average Hourly Load Impacts – Non-SDP Participants

| Event Date | Region | Notice | Number of Accounts | Average Customer | | Aggregate | | % Load Impact | Average Event Temp. |
|----------------|----------------|----------------|--------------------|---------------------|------------------|---------------------|------------------|---------------|---------------------|
| | | | | Reference Load (kW) | Load Impact (kW) | Reference Load (MW) | Load Impact (MW) | | |
| 08/10/2012 | Coastal | Opt-in | 46,092 | 1.4 | 0.100 | 66.4 | 4.6 | 6.9% | 86.7 |
| 08/16/2012 | | | 46,079 | 1.2 | 0.089 | 56.7 | 4.1 | 7.2% | 82.1 |
| 08/29/2012 | | | 46,079 | 1.3 | 0.017 | 61.8 | 0.8 | 1.3% | 81.9 |
| 08/31/2012 | | | 46,079 | 1.3 | 0.059 | 58.7 | 2.7 | 4.6% | 81.4 |
| 09/07/2012 | | | 46,073 | 1.1 | -0.037 | 52.4 | -1.7 | -3.2% | 82.0 |
| 09/10/2012 | | | 46,073 | 1.3 | -0.027 | 59.5 | -1.2 | -2.1% | 82.3 |
| Average | Coastal | Opt-in | 46,079 | 1.3 | 0.034 | 59.2 | 1.5 | 2.6% | 82.7 |
| 08/10/2012 | Coastal | Default | 205,562 | 1.7 | 0.085 | 354.4 | 17.6 | 5.0% | 86.4 |
| 08/16/2012 | | | 205,562 | 1.4 | 0.080 | 296.6 | 16.4 | 5.5% | 81.9 |
| 08/29/2012 | | | 205,527 | 1.6 | -0.017 | 325.4 | -3.5 | -1.1% | 82.2 |
| 08/31/2012 | | | 205,521 | 1.5 | -0.026 | 300.7 | -5.3 | -1.8% | 81.1 |
| 09/07/2012 | | | 205,555 | 1.3 | -0.095 | 270.8 | -19.5 | -7.2% | 81.6 |
| 09/10/2012 | | | 205,526 | 1.5 | -0.038 | 316.7 | -7.8 | -2.5% | 82.5 |
| Average | Coastal | Default | 205,542 | 1.5 | -0.002 | 310.8 | -0.3 | -0.1% | 82.6 |
| 08/10/2012 | Inland | Opt-in | 71,897 | 3.2 | 0.322 | 226.6 | 23.1 | 10.2% | 99.6 |
| 08/16/2012 | | | 71,880 | 2.6 | 0.031 | 184.2 | 2.2 | 1.2% | 95.7 |
| 08/29/2012 | | | 71,874 | 2.7 | 0.189 | 196.3 | 13.6 | 6.9% | 97.0 |
| 08/31/2012 | | | 71,865 | 2.2 | 0.002 | 158.2 | 0.1 | 0.1% | 92.2 |
| 09/07/2012 | | | 71,823 | 2.1 | 0.024 | 150.7 | 1.7 | 1.1% | 90.0 |
| 09/10/2012 | | | 71,837 | 2.2 | 0.022 | 155.5 | 1.6 | 1.0% | 86.6 |
| Average | Inland | Opt-in | 71,863 | 2.5 | 0.098 | 178.6 | 7.1 | 4.0% | 93.5 |
| 08/10/2012 | Inland | Default | 79,121 | 3.6 | 0.355 | 287.9 | 28.1 | 9.7% | 101.6 |
| 08/16/2012 | | | 79,140 | 3.0 | -0.026 | 234.0 | -2.1 | -0.9% | 97.3 |
| 08/29/2012 | | | 79,120 | 3.0 | 0.043 | 236.7 | 3.4 | 1.5% | 96.7 |
| 08/31/2012 | | | 79,105 | 2.5 | -0.023 | 195.8 | -1.8 | -0.9% | 92.3 |
| 09/07/2012 | | | 79,124 | 2.4 | 0.058 | 191.0 | 4.6 | 2.4% | 89.7 |
| 09/10/2012 | | | 79,115 | 2.3 | -0.034 | 185.6 | -2.7 | -1.4% | 83.2 |
| Average | Inland | Default | 79,121 | 2.8 | 0.062 | 221.8 | 4.9 | 2.2% | 93.5 |
| 08/10/2012 | All | Default | 284,683 | 2.3 | 0.160 | 642.3 | 45.6 | 7.1% | 93.2 |
| 08/16/2012 | | | 284,701 | 1.9 | 0.050 | 530.6 | 14.4 | 2.7% | 88.7 |
| 08/29/2012 | | | 284,647 | 2.0 | 0.000 | 562.1 | -0.1 | 0.0% | 88.3 |
| 08/31/2012 | | | 284,626 | 1.7 | -0.025 | 496.5 | -7.1 | -1.4% | 85.5 |
| 09/07/2012 | | | 284,679 | 1.6 | -0.052 | 461.8 | -14.9 | -3.2% | 85.0 |
| 09/10/2012 | | | 284,641 | 1.8 | -0.037 | 502.3 | -10.5 | -2.1% | 82.8 |
| Average | All | Default | 284,663 | 1.9 | 0.016 | 532.6 | 4.6 | 0.9% | 87.2 |
| 08/10/2012 | All | Opt-in | 117,990 | 2.5 | 0.235 | 292.9 | 27.8 | 9.5% | 96.7 |
| 08/16/2012 | | | 117,958 | 2.0 | 0.053 | 240.9 | 6.3 | 2.6% | 92.5 |
| 08/29/2012 | | | 117,953 | 2.2 | 0.122 | 258.1 | 14.4 | 5.6% | 93.4 |
| 08/31/2012 | | | 117,943 | 1.8 | 0.024 | 216.9 | 2.8 | 1.3% | 89.3 |
| 09/07/2012 | | | 117,896 | 1.7 | 0.000 | 203.1 | 0.0 | 0.0% | 87.9 |
| 09/10/2012 | | | 117,909 | 1.8 | 0.003 | 215.1 | 0.4 | 0.2% | 85.4 |
| Average | All | Opt-in | 117,942 | 2.0 | 0.073 | 237.8 | 8.6 | 3.6% | 90.9 |
| 08/10/2012 | All | All | 402,673 | 2.3 | 0.182 | 935.2 | 73.4 | 7.8% | 94.3 |
| 08/16/2012 | | | 402,660 | 1.9 | 0.051 | 771.5 | 20.7 | 2.7% | 89.9 |
| 08/29/2012 | | | 402,600 | 2.0 | 0.036 | 820.2 | 14.3 | 1.7% | 89.9 |
| 08/31/2012 | | | 402,570 | 1.8 | -0.011 | 713.3 | -4.3 | -0.6% | 86.7 |
| 09/07/2012 | | | 402,574 | 1.7 | -0.037 | 664.9 | -14.8 | -2.2% | 85.9 |
| 09/10/2012 | | | 402,551 | 1.8 | -0.025 | 717.4 | -10.1 | -1.4% | 83.6 |
| Average | All | All | 402,604 | 1.9 | 0.033 | 770.4 | 13.2 | 1.7% | 88.4 |



SCE's PTR Program

2012 Ex Post Estimates - PTR + SDP Opt-In

Table 4-4: Residential PTR Average Hourly Load Impacts – SDP Participants

| Event Date | Region | Notice | Number of Accounts | Average Customer | | Aggregate | | % Load Impact | Average Event Temp. |
|----------------|--------|-----------------------|--------------------|---------------------|------------------|---------------------|------------------|---------------|---------------------|
| | | | | Reference Load (kW) | Load Impact (kW) | Reference Load (MW) | Load Impact (MW) | | |
| 08/10/2012 | All | Opt-in | 28,138 | 4.1 | 0.421 | 114.3 | 11.9 | 10.4% | 96.0 |
| 08/16/2012 | | | 28,120 | 3.3 | 0.174 | 93.6 | 4.9 | 5.2% | 91.7 |
| 08/29/2012 | | | 28,106 | 3.3 | 0.243 | 91.4 | 6.8 | 7.5% | 91.8 |
| 08/31/2012 | | | 28,100 | 2.9 | 0.126 | 81.6 | 3.5 | 4.3% | 88.1 |
| 09/07/2012 | | | 28,100 | 2.6 | 0.004 | 73.6 | 0.1 | 0.2% | 86.9 |
| 09/10/2012 | | | 28,099 | 2.7 | 0.201 | 77.1 | 5.7 | 7.3% | 83.9 |
| Average | | | All | Opt-in | 28,111 | 3.2 | 0.195 | 88.6 | 5.5 |
| 08/10/2012 | All | Default | 51,648 | 4.3 | 0.206 | 223.4 | 10.6 | 4.8% | 96.0 |
| 08/16/2012 | | | 51,627 | 3.7 | -0.022 | 188.9 | -1.1 | -0.6% | 91.7 |
| 08/29/2012 | | | 51,609 | 3.5 | 0.015 | 180.4 | 0.8 | 0.4% | 91.8 |
| 08/31/2012 | | | 51,606 | 3.2 | 0.015 | 164.4 | 0.8 | 0.5% | 88.1 |
| 09/07/2012 | | | 51,597 | 2.8 | -0.163 | 144.8 | -8.4 | -5.8% | 86.9 |
| 09/10/2012 | | | 51,597 | 3.0 | 0.118 | 156.0 | 6.1 | 3.9% | 83.9 |
| Average | | | All | Default | 51,614 | 3.4 | 0.028 | 176.3 | 1.5 |
| 08/10/2012 | All | No Notice | 193,156 | 4.0 | 0.079 | 767.3 | 15.3 | 2.0% | 96.0 |
| 08/16/2012 | | | 193,881 | 3.3 | 0.001 | 643.9 | 0.2 | 0.0% | 91.7 |
| 08/29/2012 | | | 195,453 | 3.2 | -0.035 | 635.0 | -6.8 | -1.1% | 91.8 |
| 08/31/2012 | | | 195,654 | 2.8 | -0.041 | 556.1 | -8.0 | -1.4% | 88.1 |
| 09/07/2012 | | | 195,850 | 2.6 | -0.184 | 514.0 | -36.1 | -7.0% | 86.9 |
| 09/10/2012 | | | 195,882 | 2.8 | 0.022 | 547.1 | 4.4 | 0.8% | 83.9 |
| Average | | | All | No Notice | 194,979 | 3.1 | -0.027 | 610.6 | -5.2 |
| 08/10/2012 | All | All | 272,942 | 4.0 | 0.138 | 1,104.9 | 37.8 | 3.4% | 96.0 |
| 08/16/2012 | | | 273,628 | 3.4 | 0.015 | 926.3 | 4.0 | 0.4% | 91.7 |
| 08/29/2012 | | | 275,168 | 3.3 | 0.003 | 906.9 | 0.8 | 0.1% | 91.8 |
| 08/31/2012 | | | 275,360 | 2.9 | -0.013 | 802.1 | -3.7 | -0.5% | 88.1 |
| 09/07/2012 | | | 275,547 | 2.7 | -0.161 | 732.5 | -44.4 | -6.1% | 86.9 |
| 09/10/2012 | | | 275,578 | 2.8 | 0.058 | 780.2 | 16.1 | 2.1% | 83.9 |
| Average | | | All | All | 274,704 | 3.2 | 0.006 | 875.5 | 1.8 |
| 08/10/2012 | All | Opt-in & Default Only | 79,786 | 4.2 | 0.282 | 337.7 | 22.5 | 6.7% | 96.0 |
| 08/16/2012 | | | 79,747 | 3.5 | 0.047 | 282.5 | 3.8 | 1.3% | 91.7 |
| 08/29/2012 | | | 79,715 | 3.4 | 0.095 | 271.9 | 7.6 | 2.8% | 91.8 |
| 08/31/2012 | | | 79,706 | 3.1 | 0.054 | 246.0 | 4.3 | 1.7% | 88.1 |
| 09/07/2012 | | | 79,697 | 2.7 | -0.104 | 218.5 | -8.3 | -3.8% | 86.9 |
| 09/10/2012 | | | 79,696 | 2.9 | 0.147 | 233.1 | 11.7 | 5.0% | 83.9 |
| Average | | | All | Notified | 79,725 | 3.3 | 0.087 | 264.9 | 6.9 |



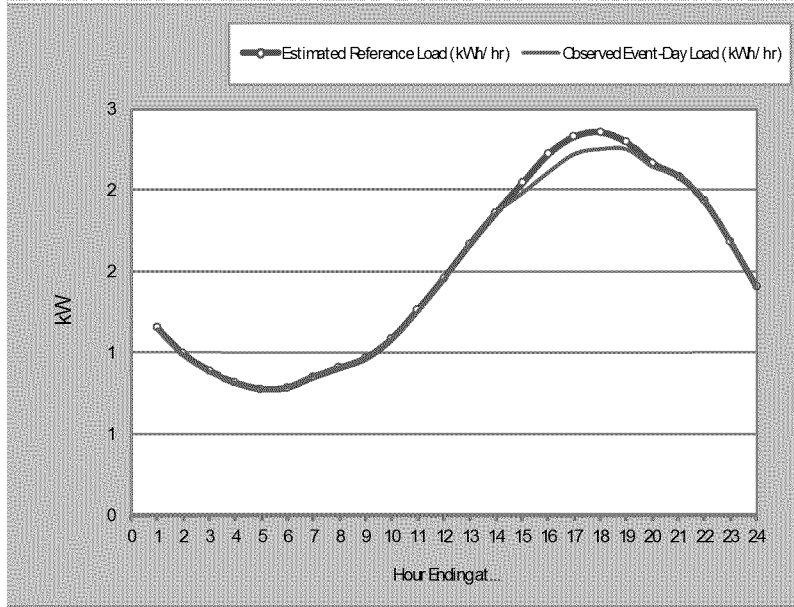
SCE's PTR Program (Avg. Customer)

2012 Ex Post Estimates - PTR + SDP Opt-In

Number of Service Accounts: 146,052

| | | |
|-------------------|-----------------------------|----------------------------|
| Utility: | Southern California Edison | |
| DR Program: | Peak-time Rebate (PTR) | Avg. Customer Load Impacts |
| Type of Results: | Average per Called Customer | 0.096511425 |
| Group: | All | |
| Notice type: | Opt-in | Avg. Agg. %Load Impacts |
| Event Date: | Typical Event Day | 4.32% |
| Hour Event Began: | Hour Ending 15 | |
| Hour Event Ended: | Hour Ending 18 | |

| Hour Ending | Estimated Reference Load (kWh/hr) | Observed Event-Day Load (kWh/hr) | Estimated Load Impact (kWh/hr) | Weighted Average Temperature (°F) | Uncertainty Adjusted Impact (kWh/ hr) - Percentiles | | | | |
|-------------|-----------------------------------|-------------------------------------|--------------------------------|-----------------------------------|---|----------|----------|----------|----------|
| | | | | | 10th%ile | 30th%ile | 50th%ile | 70th%ile | 90th%ile |
| 1 | 1.151 | 1.143 | 0.008 | 75 | -0.038 | -0.011 | 0.008 | 0.027 | 0.054 |
| 2 | 0.991 | 0.986 | 0.005 | 75 | -0.034 | -0.011 | 0.005 | 0.021 | 0.045 |
| 3 | 0.888 | 0.883 | 0.004 | 74 | -0.033 | -0.011 | 0.004 | 0.020 | 0.042 |
| 4 | 0.819 | 0.818 | 0.001 | 73 | -0.036 | -0.014 | 0.001 | 0.017 | 0.039 |
| 5 | 0.780 | 0.779 | 0.001 | 73 | -0.038 | -0.015 | 0.001 | 0.017 | 0.040 |
| 6 | 0.787 | 0.789 | -0.002 | 72 | -0.043 | -0.019 | -0.002 | 0.015 | 0.039 |
| 7 | 0.853 | 0.860 | -0.007 | 72 | -0.051 | -0.025 | -0.007 | 0.012 | 0.038 |
| 8 | 0.908 | 0.912 | -0.004 | 74 | -0.047 | -0.021 | -0.004 | 0.014 | 0.039 |
| 9 | 0.967 | 0.971 | -0.004 | 78 | -0.043 | -0.020 | -0.004 | 0.012 | 0.035 |
| 10 | 1.086 | 1.086 | 0.000 | 82 | -0.046 | -0.019 | 0.000 | 0.018 | 0.045 |
| 11 | 1.264 | 1.254 | 0.010 | 86 | -0.042 | -0.011 | 0.010 | 0.031 | 0.062 |
| 12 | 1.458 | 1.453 | 0.005 | 88 | -0.051 | -0.018 | 0.005 | 0.029 | 0.062 |
| 13 | 1.668 | 1.669 | -0.001 | 90 | -0.067 | -0.028 | -0.001 | 0.026 | 0.065 |
| 14 | 1.860 | 1.859 | 0.001 | 91 | -0.069 | -0.028 | 0.001 | 0.030 | 0.071 |
| 15 | 2.040 | 1.978 | 0.061 | 91 | -0.011 | 0.032 | 0.061 | 0.091 | 0.134 |
| 16 | 2.218 | 2.107 | 0.110 | 92 | 0.041 | 0.082 | 0.110 | 0.139 | 0.180 |
| 17 | 2.327 | 2.219 | 0.108 | 91 | 0.037 | 0.079 | 0.108 | 0.137 | 0.179 |
| 18 | 2.356 | 2.249 | 0.106 | 89 | 0.027 | 0.074 | 0.106 | 0.139 | 0.186 |
| 19 | 2.293 | 2.247 | 0.045 | 86 | -0.028 | 0.015 | 0.045 | 0.075 | 0.119 |
| 20 | 2.158 | 2.139 | 0.019 | 82 | -0.046 | -0.008 | 0.019 | 0.046 | 0.084 |
| 21 | 2.079 | 2.083 | -0.004 | 80 | -0.060 | -0.027 | -0.004 | 0.020 | 0.053 |
| 22 | 1.930 | 1.936 | -0.006 | 78 | -0.064 | -0.030 | -0.006 | 0.017 | 0.052 |
| 23 | 1.679 | 1.690 | -0.011 | 77 | -0.076 | -0.038 | -0.011 | 0.015 | 0.053 |
| 24 | 1.402 | 1.407 | -0.005 | 76 | -0.069 | -0.031 | -0.005 | 0.021 | 0.059 |
| | Reference Energy Use (kWh) | Observed Event-Day Energy Use (kWh) | Change in Energy Use (kWh) | Cooling Degree Hours (Base 75° F) | Uncertainty Adjusted Impact (kWh/ hr) - Percentiles | | | | |
| Daily | 36 | 36 | 0 | 157.9 | n/a | n/a | n/a | n/a | n/a |





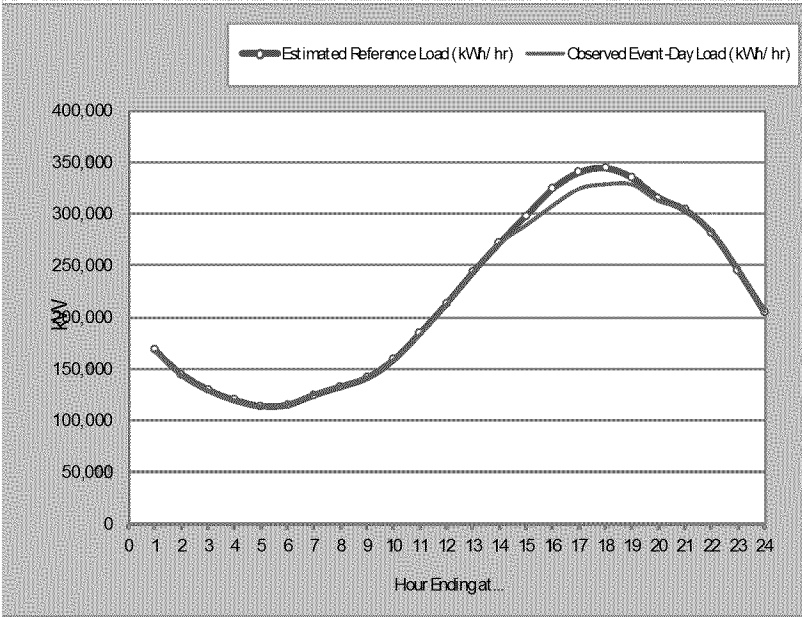
SCE's PTR Program (Aggregate)

2012 Ex Post Estimates - PTR + SDP Opt-In

Number of Service Accounts: 146,052

| | | |
|-------------------|----------------------------|--------------------------|
| Utility: | Southern California Edison | |
| DR Program: | Peak-time Rebate (PTR) | Avg. Agg. Load Impacts |
| Type of Results: | Aggregate Impact | 14097.05825 |
| Group: | All | |
| Notice type: | Opt-in | Avg. Agg. % Load Impacts |
| Event Date: | Typical Event Day | 4.32% |
| Hour Event Began: | Hour Ending 15 | |
| Hour Event Ended: | Hour Ending 18 | |

| Hour Ending | Estimated Reference Load (kWh/hr) | Observed Event-Day Load (kWh/hr) | Estimated Load Impact (kWh/hr) | Weighted Average Temperature (°F) | Uncertainty Adjusted Impact (kWh/ hr) - Percentiles | | | | |
|-------------|-----------------------------------|-------------------------------------|--------------------------------|-----------------------------------|---|----------|----------|----------|----------|
| | | | | | 10th%ile | 30th%ile | 50th%ile | 70th%ile | 90th%ile |
| 1 | 168,051 | 166,886 | 1,165 | 75 | -5,536 | -1,577 | 1,165 | 3,907 | 7,865 |
| 2 | 144,771 | 144,006 | 765 | 75 | -5,008 | -1,597 | 765 | 3,128 | 6,539 |
| 3 | 129,628 | 129,000 | 628 | 74 | -4,875 | -1,624 | 628 | 2,880 | 6,131 |
| 4 | 119,649 | 119,452 | 197 | 73 | -5,304 | -2,054 | 197 | 2,448 | 5,698 |
| 5 | 113,863 | 113,750 | 112 | 73 | -5,614 | -2,231 | 112 | 2,455 | 5,838 |
| 6 | 115,003 | 115,299 | -296 | 72 | -6,258 | -2,736 | -296 | 2,143 | 5,665 |
| 7 | 124,599 | 125,563 | -964 | 72 | -7,466 | -3,625 | -964 | 1,696 | 5,538 |
| 8 | 132,661 | 133,209 | -548 | 74 | -6,794 | -3,103 | -548 | 2,008 | 5,698 |
| 9 | 141,199 | 141,777 | -578 | 78 | -6,269 | -2,906 | -578 | 1,751 | 5,113 |
| 10 | 158,600 | 158,669 | -69 | 82 | -6,784 | -2,817 | -69 | 2,678 | 6,645 |
| 11 | 184,555 | 183,113 | 1,442 | 86 | -6,173 | -1,674 | 1,442 | 4,558 | 9,056 |
| 12 | 212,981 | 212,189 | 792 | 88 | -7,463 | -2,585 | 792 | 4,170 | 9,047 |
| 13 | 243,586 | 243,726 | -141 | 90 | -9,817 | -4,100 | -141 | 3,819 | 9,535 |
| 14 | 271,726 | 271,562 | 164 | 91 | -10,100 | -4,036 | 164 | 4,364 | 10,428 |
| 15 | 297,896 | 288,913 | 8,982 | 91 | -1,640 | 4,636 | 8,982 | 13,329 | 19,605 |
| 16 | 323,920 | 307,799 | 16,121 | 92 | 5,921 | 11,947 | 16,121 | 20,294 | 26,320 |
| 17 | 339,896 | 324,156 | 15,740 | 91 | 5,372 | 11,498 | 15,740 | 19,983 | 26,109 |
| 18 | 344,055 | 328,510 | 15,545 | 89 | 3,966 | 10,807 | 15,545 | 20,283 | 27,124 |
| 19 | 334,834 | 328,212 | 6,622 | 86 | -4,073 | 2,246 | 6,622 | 10,998 | 17,317 |
| 20 | 315,192 | 312,413 | 2,779 | 82 | -6,718 | -1,107 | 2,779 | 6,665 | 12,275 |
| 21 | 303,686 | 304,205 | -518 | 80 | -8,826 | -3,918 | -518 | 2,881 | 7,789 |
| 22 | 281,832 | 282,740 | -908 | 78 | -9,347 | -4,361 | -908 | 2,545 | 7,531 |
| 23 | 245,226 | 246,897 | -1,670 | 77 | -11,147 | -5,548 | -1,670 | 2,208 | 7,807 |
| 24 | 204,718 | 205,446 | -728 | 76 | -10,077 | -4,553 | -728 | 3,098 | 8,621 |
| Daily | Reference Energy Use (kWh) | Observed Event-Day Energy Use (kWh) | Change in Energy Use (kWh) | Cooling Degree Hours (Base 75° F) | Uncertainty Adjusted Impact (kWh/ hr) - Percentiles | | | | |
| | 5,252,126 | 5,187,492 | 64,635 | 157.9 | n/a | n/a | n/a | n/a | n/a |





SDG&E's PTR Program

2012 Ex Post Estimates - PTR Opt-In Alert and SS Opt-In Alert

Table ES-1: Estimated PTR Usage Impacts by Major Customer Group

| Customer Group | Climate Zone | Number of Accounts | Average Customer | | Aggregate | | % Load Impact | Average Event Temp. |
|----------------------|--------------|--------------------|---------------------|------------------|---------------------|------------------|---------------|---------------------|
| | | | Reference Load (kW) | Load Impact (kW) | Reference Load (MW) | Load Impact (MW) | | |
| All SDEC | Coastal | 3,106 | 0.70 | 0.017 | 2.2 | 0.05 | 2.4% | 82.5 |
| Opt-in Alert | | 23,689 | 1.06 | 0.062 | 25.2 | 1.47 | 5.8% | 80.6 |
| IHD/PCT | | 359 | 1.88 | 0.076 | 0.7 | 0.03 | 4.0% | 81.6 |
| MyAccount | | 318,849 | 0.93 | -0.010 | 296.7 | -3.34 | -1.1% | 80.9 |
| Non-MyAccount | | 343,859 | 0.91 | -0.019 | 311.8 | -6.52 | -2.1% | 80.8 |
| Total/Average | | 689,861 | 0.92 | -0.012 | 636.6 | -8.31 | -1.3% | 80.9 |
| All SDEC | Inland | 1,525 | 1.05 | 0.018 | 1.6 | 0.03 | 1.8% | 85.5 |
| Opt-in Alert | | 17,554 | 1.58 | 0.067 | 27.8 | 1.18 | 4.2% | 86.8 |
| IHD/PCT | | 295 | 2.55 | 0.039 | 0.8 | 0.01 | 1.5% | 86.6 |
| MyAccount | | 234,138 | 1.52 | -0.046 | 354.9 | -10.74 | -3.0% | 86.4 |
| Non-MyAccount | | 257,300 | 1.33 | -0.040 | 343.3 | -10.29 | -3.0% | 86.3 |
| Total/Average | | 510,812 | 1.43 | -0.039 | 728.3 | -19.81 | -2.7% | 86.4 |
| All SDEC | All | 4,631 | 0.81 | 0.018 | 3.8 | 0.08 | 2.2% | 83.8 |
| Opt-in Alert | | 41,243 | 1.29 | 0.064 | 53.0 | 2.65 | 5.0% | 83.9 |
| IHD/PCT | | 654 | 2.18 | 0.059 | 1.4 | 0.04 | 2.7% | 84.3 |
| MyAccount | | 552,987 | 1.18 | -0.025 | 651.6 | -14.08 | -2.2% | 83.9 |
| Non-MyAccount | | 601,158 | 1.09 | -0.028 | 655.2 | -16.80 | -2.6% | 83.7 |
| SS Opt-in Alert | | 2,917 | 1.69 | 0.392 | 4.9 | 1.14 | 23.2% | 84.7 |
| Total/Average | | 1,203,590 | 1.14 | -0.022 | 1,369.9 | -26.98 | -2.0% | 83.8 |



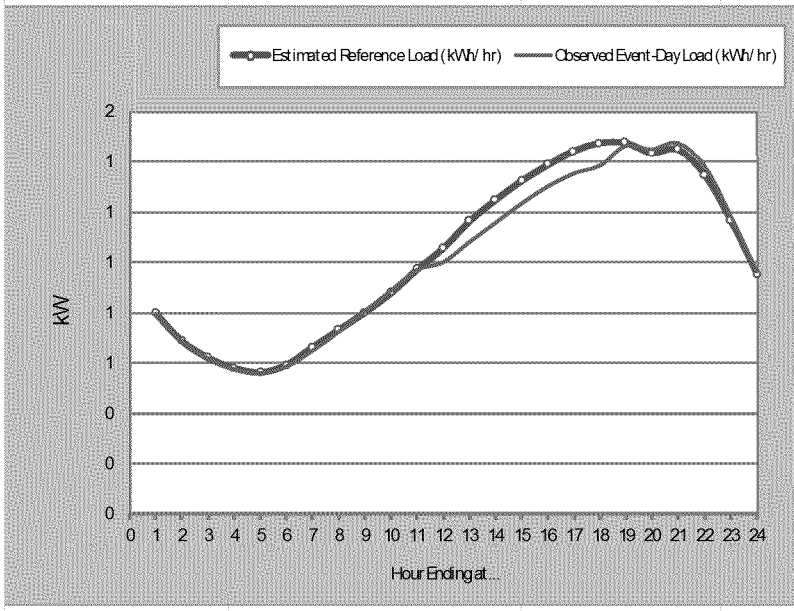
SDG&E's PTR Program (Avg. Customer)⁹

2012 Ex Post Estimates - PTR Opt-In Alert and SS Opt-In Alert

Number of Service Accounts: 44,160

| | | |
|-------------------|-----------------------------|----------------------------|
| Utility: | San Diego Gas & Electric | Avg. Customer Load Impacts |
| DR Program: | Peak-time Rebate (PTR) | 0.083423829 |
| Type of Results: | Average per Called Customer | |
| Customer Group: | Summer Saver + Opt-in Alert | Avg. Agg. % Load Impacts |
| Subgroup: | All | 6.43% |
| Event Date: | Typical Event Day | |
| Hour Event Began: | Hour Ending 12 | |
| Hour Event Ended: | Hour Ending 18 | |

| Hour Ending | Estimated Reference Load (kWh/hr) | Observed Event-Day Load (kWh/hr) | Estimated Load Impact (kWh/hr) | Weighted Average Temperature (°F) | Uncertainty Adjusted Impact (kWh/ hr) - Percentiles | | | | |
|-------------|-----------------------------------|-------------------------------------|--------------------------------|-----------------------------------|---|----------|----------|----------|----------|
| | | | | | 10th%ile | 30th%ile | 50th%ile | 70th%ile | 90th%ile |
| 1 | 0.796 | 0.796 | 0.000 | 69 | -0.005 | -0.002 | 0.000 | 0.002 | 0.006 |
| 2 | 0.687 | 0.685 | 0.001 | 69 | -0.003 | -0.001 | 0.001 | 0.003 | 0.006 |
| 3 | 0.619 | 0.617 | 0.002 | 68 | -0.002 | 0.000 | 0.002 | 0.004 | 0.006 |
| 4 | 0.578 | 0.574 | 0.006 | 68 | 0.003 | 0.005 | 0.006 | 0.008 | 0.010 |
| 5 | 0.562 | 0.559 | 0.002 | 67 | -0.001 | 0.001 | 0.002 | 0.004 | 0.006 |
| 6 | 0.591 | 0.585 | 0.006 | 68 | 0.003 | 0.005 | 0.006 | 0.008 | 0.010 |
| 7 | 0.663 | 0.648 | 0.014 | 72 | 0.010 | 0.013 | 0.014 | 0.016 | 0.018 |
| 8 | 0.730 | 0.724 | 0.006 | 78 | 0.002 | 0.005 | 0.006 | 0.008 | 0.011 |
| 9 | 0.800 | 0.805 | -0.006 | 81 | -0.011 | -0.008 | -0.006 | -0.003 | 0.000 |
| 10 | 0.877 | 0.887 | -0.012 | 84 | -0.019 | -0.015 | -0.012 | -0.010 | -0.006 |
| 11 | 0.971 | 0.969 | 0.002 | 86 | -0.006 | -0.001 | 0.002 | 0.005 | 0.009 |
| 12 | 1.055 | 1.000 | 0.055 | 87 | 0.048 | 0.052 | 0.055 | 0.058 | 0.063 |
| 13 | 1.162 | 1.080 | 0.084 | 87 | 0.076 | 0.081 | 0.084 | 0.088 | 0.093 |
| 14 | 1.247 | 1.157 | 0.090 | 87 | 0.081 | 0.087 | 0.090 | 0.094 | 0.099 |
| 15 | 1.323 | 1.233 | 0.090 | 86 | 0.080 | 0.086 | 0.090 | 0.093 | 0.099 |
| 16 | 1.387 | 1.301 | 0.085 | 85 | 0.076 | 0.082 | 0.085 | 0.089 | 0.095 |
| 17 | 1.441 | 1.353 | 0.088 | 83 | 0.078 | 0.084 | 0.088 | 0.091 | 0.097 |
| 18 | 1.473 | 1.384 | 0.091 | 79 | 0.082 | 0.088 | 0.091 | 0.095 | 0.100 |
| 19 | 1.474 | 1.462 | 0.012 | 75 | 0.002 | 0.008 | 0.012 | 0.016 | 0.021 |
| 20 | 1.434 | 1.448 | -0.016 | 73 | -0.025 | -0.020 | -0.016 | -0.013 | -0.008 |
| 21 | 1.447 | 1.474 | -0.027 | 72 | -0.035 | -0.030 | -0.027 | -0.024 | -0.019 |
| 22 | 1.346 | 1.382 | -0.034 | 71 | -0.041 | -0.037 | -0.034 | -0.031 | -0.026 |
| 23 | 1.164 | 1.184 | -0.022 | 70 | -0.028 | -0.024 | -0.022 | -0.019 | -0.015 |
| 24 | 0.953 | 0.964 | -0.011 | 69 | -0.016 | -0.013 | -0.011 | -0.009 | -0.005 |
| Daily | Reference Energy Use (kWh) | Observed Event-Day Energy Use (kWh) | Change in Energy Use (kWh) | Cooling Degree Hours (Base 75° F) | Uncertainty Adjusted Impact (kWh/ hr) - Percentiles | | | | |
| | 24.8 | 24.3 | 0.5 | 96.8 | 10th | 30th | 50th | 70th | 90th |
| | | | | | n/a | n/a | n/a | n/a | n/a |



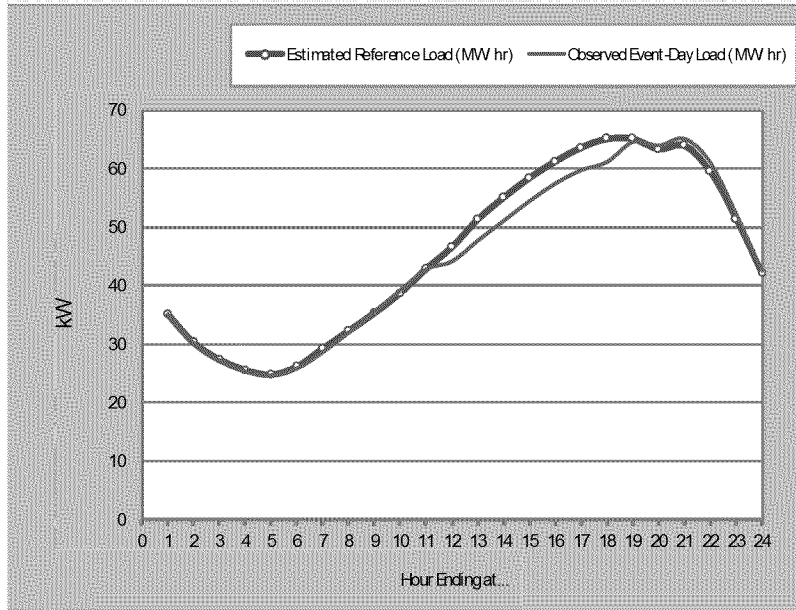


SDG&E's PTR Program (Aggregate)

2012 Ex Post Estimates - PTR Opt-In Alert and SS Opt-In Alert

Number of Service Accounts: 44,160

| | | |
|-------------------|-----------------------------|-------------------------|
| Utility: | San Diego Gas & Electric | Avg. Agg. Load Impacts |
| DR Program: | Peak-time Rebate (PTR) | 3.684 |
| Type of Results: | Aggregate Impact | |
| Customer Group: | Summer Saver + Opt-in Alert | Avg. Agg. %Load Impacts |
| Subgroup: | All | 6.43% |
| Event Date: | Typical Event Day | |
| Hour Event Began: | Hour Ending 12 | |
| Hour Event Ended: | Hour Ending 18 | |



| Hour Ending | Estimated Reference Load (MW/hr) | Observed Event-Day Load (MW/hr) | Estimated Load Impact (MW/hr) | Weighted Average Temperature (°F) | Uncertainty Adjusted Impact (MW hr) - Percentiles | | | | |
|-------------|----------------------------------|-------------------------------------|-------------------------------|-----------------------------------|---|----------|----------|----------|----------|
| | | | | | 10th%ile | 30th%ile | 50th%ile | 70th%ile | 90th%ile |
| 1 | 35.15 | 35.14 | 0.01 | 69 | -0.22 | -0.08 | 0.01 | 0.11 | 0.24 |
| 2 | 30.32 | 30.26 | 0.06 | 69 | -0.15 | -0.03 | 0.06 | 0.14 | 0.26 |
| 3 | 27.34 | 27.26 | 0.08 | 68 | -0.10 | 0.01 | 0.08 | 0.16 | 0.27 |
| 4 | 25.54 | 25.37 | 0.28 | 68 | 0.11 | 0.21 | 0.28 | 0.34 | 0.44 |
| 5 | 24.81 | 24.70 | 0.11 | 67 | -0.05 | 0.04 | 0.11 | 0.18 | 0.27 |
| 6 | 26.11 | 25.83 | 0.28 | 68 | 0.12 | 0.21 | 0.28 | 0.35 | 0.45 |
| 7 | 29.26 | 28.63 | 0.63 | 72 | 0.45 | 0.56 | 0.63 | 0.70 | 0.81 |
| 8 | 32.24 | 31.96 | 0.28 | 78 | 0.09 | 0.21 | 0.28 | 0.36 | 0.47 |
| 9 | 35.32 | 35.57 | -0.24 | 81 | -0.49 | -0.35 | -0.24 | -0.14 | 0.00 |
| 10 | 38.74 | 39.18 | -0.54 | 84 | -0.82 | -0.66 | -0.54 | -0.43 | -0.26 |
| 11 | 42.87 | 42.80 | 0.08 | 86 | -0.25 | -0.06 | 0.08 | 0.21 | 0.40 |
| 12 | 46.60 | 44.16 | 2.44 | 87 | 2.10 | 2.30 | 2.44 | 2.58 | 2.77 |
| 13 | 51.33 | 47.71 | 3.72 | 87 | 3.35 | 3.57 | 3.72 | 3.87 | 4.09 |
| 14 | 55.07 | 51.08 | 3.99 | 87 | 3.59 | 3.83 | 3.99 | 4.15 | 4.39 |
| 15 | 58.43 | 54.47 | 3.96 | 86 | 3.55 | 3.79 | 3.96 | 4.13 | 4.37 |
| 16 | 61.24 | 57.47 | 3.77 | 85 | 3.36 | 3.61 | 3.77 | 3.94 | 4.18 |
| 17 | 63.63 | 59.76 | 3.87 | 83 | 3.47 | 3.71 | 3.87 | 4.04 | 4.28 |
| 18 | 65.07 | 61.14 | 4.03 | 79 | 3.64 | 3.87 | 4.03 | 4.19 | 4.43 |
| 19 | 65.09 | 64.58 | 0.52 | 75 | 0.10 | 0.35 | 0.52 | 0.69 | 0.93 |
| 20 | 63.34 | 63.96 | -0.72 | 73 | -1.10 | -0.87 | -0.72 | -0.56 | -0.34 |
| 21 | 63.91 | 65.10 | -1.19 | 72 | -1.55 | -1.33 | -1.19 | -1.04 | -0.83 |
| 22 | 59.45 | 61.04 | -1.50 | 71 | -1.83 | -1.63 | -1.50 | -1.36 | -1.17 |
| 23 | 51.41 | 52.27 | -0.96 | 70 | -1.24 | -1.07 | -0.96 | -0.84 | -0.67 |
| 24 | 42.07 | 42.55 | -0.49 | 69 | -0.73 | -0.58 | -0.49 | -0.39 | -0.24 |
| | Reference Energy Use (MMV) | Observed Event-Day Energy Use (MMV) | Change in Energy Use (MMV) | Cooling Degree Hours (Base 75° F) | Uncertainty Adjusted Impact (MW hr) - Percentiles | | | | |
| Daily | 1,094 | 1,072 | 22 | 96.8 | n/a | n/a | n/a | n/a | n/a |