MidAmerican Energy Company Rate RED Weather Normalization Calculation 2014 South Dakota Electric Rate Case Weather Normalization Results Support Test Year Ending December 31, 2012

I. Monthly Usage and Weather Data

Rate Month Sales 1000 kWh Bills Billed HDD 55 CDD 65 Per Bill per Month RED 201301 2,033,213 1,451,535 597 20,420 688,088 - 691,989 - 34 3 RED 201302 1,770,245 1,199,026 595 17,401 514,053 - 445,804 - 29 3 RED 201303 1,633,083 1,065,643 595 17,402 514,053 - 445,804 - 29 3 RED 201305 979,800 472,797 599 17,505 166,494 7,332 80,581 12,623 29 3 RED 201307 889,638 400,422 601 17,935 - 167,243 - 141,612 30 3 RED 201308 886,842 418,682 602 18,180 - 124,868 - 166,741 30 - 34,483 113,682				Billed		Total	Total	Total	Total	Total	Average	Calendar
RED 201301 2,033,213 1,451,535 597 20,420 688,088 - 691,999 - 34 3 8 8 8 8 1			Billed	Sales Above		Days	Billed	Billed	Normal Billed	Normal Billed	Billing Days	Days
RED 201302 1,770,24\$ 1,199,026 595 17,401 538,194 - \$80,766 - 29 2 2 RED 201303 1,653,083 1,085,543 595 17,401 538,194 - \$80,766 - 29 2 3 3 RED 201304 1,317,080 778,872 597 17,602 514,053 - 445,804 - 29 3 3 RED 201305 979,800 472,797 599 17,505 166,6494 7,332 80,581 12,623 29 3 RED 201306 778,781 322,543 601 18,684 12,954 39,373 10,136 56,232 31 3 3 RED 201307 889,638 400,422 601 17,935 - 167,243 - 141,612 30 3 3 RED 201308 886,842 418,682 602 18,180 - 124,868 - 166,741 30 3 3 RED 201308 886,842 418,682 602 18,180 - 124,868 - 166,741 30 3 3 RED 201309 924,825 427,294 608 18,581 - 164,954 453 113,682 31 3 3 RED 201310 775,780 323,278 610 18,023 12,510 55,078 36,234 32,197 30 3 3 RED 201310 1987,354 459,775 612 18,092 203,156 5,132 162,362 2,017 30 3 3 RED 201311 1,639,358 1,045,773 632 19,966 533,759 - 474,909 - 32 3 3 RED 201312 1,639,358 1,045,773 632 19,966 533,759 - 474,909 - 32 3 3 RED 201312 3,403 39,57 33,70 0.00 33,88 0.00 28,89 0.00 RED 201300 2,977 101,73 30,93 0.00 33,88 0.00 29,89 0.00 RED 201301 3,403 39,57 33,70 0.00 33,88 0.00 29,89 0.00 RED 201301 3,403 39,57 33,70 0.00 33,88 0.00 29,89 0.00 RED 201301 2,778 94,99 29,54 0.00 25,62 0.00 18,74 0.03 RED 201303 1,636 55,97 9,51 0,42 4,60 0,72 1,16 1,74 0.00 RED 201303 1,748 49,60 0.00 9,32 0.00 14,13 0.00 7,40 0.33 RED 201305 1,636 55,97 9,51 0,42 4,60 0,72 1,16 1,74 RED 201307 1,481 49,60 0.00 6,88 0.00 6,87 0.00 9,17 0.00 9,55 RED 201307 1,481 49,60 0.00 6,88 0.00 6,87 0.00 9,17 0.00 0,55 RED 201308 1,473 48,78 0.00 6,87 0.00 9,17 0.00 7,52 RED 201308 1,473 48,78 0.00 6,87 0.00 9,17 0.00 7,52 RED 201309 1,520 49,77 0.00 6,88 0.00 6,88 0.00 6,12 0.00 1,79 0.00 9,55 RED 201309 1,520 49,77 0.00 6,88 0.00 6,88 0.00 6,12 0.00 1,79 0.00 9,55 RED 201301 1,613 54,61 11,24 0.08 8,88 0.00 6,11 1,940 0.00	Rate	Month	Sales	1000 kWh	Bills	Billed	HDD 55	CDD 65	HDD 55	CDD 65	Per Bill	per Month
RED 201303 1,653,083 1,086,543 595 17,402 514,053 - 445,804 - 29 3 3 RED 201305 979,800 472,797 599 17,637 166,494 7,332 80,581 12,623 29 3 8 RED 201305 979,800 472,797 599 17,637 166,494 7,332 80,581 12,623 29 3 8 RED 201306 78,78,781 323,543 601 18,694 12,954 39,373 10,136 56,232 31 3 3 RED 201307 889,638 400,422 601 17,935 - 167,243 - 141,612 30 3 8 RED 201309 924,825 427,294 608 18,581 - 164,954 453 113,682 31 3 RED 201309 775,780 323,278 610 18,623 12,510 55,078 63,234 32,197 30 3 8 RED 201310 775,780 323,278 610 18,023 12,510 55,078 63,234 32,197 30 3 8 RED 201311 987,354 459,775 612 18,079 203,156 5,132 162,362 2,017 30 3 3 RED 201312 1,639,358 1,045,773 632 19,966 533,759 - 474,909 - 32 3 3 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	RED	201301	2,033,213	1,451,535	597	20,420	688,088	-	691,989	-	34	31
RED 201304 1,317,080 778,872 599 17,637 341,978 - 249,160 - 30 3 3 RED 201305 979,800 472,797 599 17,505 166,494 7,332 80,581 12,623 29 3 3 RED 201306 778,781 323,543 601 18,684 12,954 39,373 10,136 56,232 31 3 RED 201307 889,638 400,422 601 17,935 - 167,243 - 144,612 30 3 3 RED 201308 886,842 418,682 602 18,180 - 124,868 - 166,741 30 3 3 RED 201309 924,825 427,294 608 18,581 - 164,954 453 113,682 31 3 RED 201310 775,780 323,278 610 18,023 12,510 55,078 36,234 32,197 30 3 3 RED 201311 987,354 459,775 612 18,079 203,156 5,132 162,362 2,017 30 3 3 RED 201312 1,639,358 1,045,775 612 18,079 203,156 5,132 162,362 2,017 30 3 3 RED 201312 1,639,358 1,045,775 612 18,079 203,156 5,132 162,362 2,017 30 3 3 RED 201313 3403 99.57 37.0 0.00 33.89 0.00 34.71 0.00 Calendar Calendar RED 201302 2,977 101.73 30.93 0.00 33.89 0.00 34.71 0.00 RED 201302 2,977 101.73 30.93 0.00 33.88 0.00 34.71 0.00 RED 201302 2,977 101.73 30.93 0.00 33.88 0.00 34.71 0.00 RED 201302 2,977 101.73 30.93 0.00 33.88 0.00 34.71 0.00 RED 201302 2,977 101.73 30.93 0.00 33.88 0.00 34.71 0.00 RED 201302 2,977 101.73 30.93 0.00 33.88 0.00 34.71 0.00 RED 201302 2,977 101.73 30.93 0.00 33.88 0.00 34.71 0.00 RED 201303 2,778 94.99 29.54 0.00 25.62 0.00 18.74 0.00 RED 201302 1,205 74.68 19.39 0.00 14.13 0.00 7.40 0.33 RED 201305 1,636 55.97 9.51 0.42 4.60 0.72 1.16 1.74 RED 201305 1,636 55.97 9.51 0.42 4.60 0.72 1.16 1.74 RED 201305 1,636 55.97 9.51 0.42 4.60 0.72 1.16 1.74 RED 201305 1,636 55.97 9.51 0.42 4.60 0.72 1.16 1.74 RED 201305 1,636 55.97 9.51 0.42 4.60 0.72 1.16 1.74 RED 201305 1,636 55.97 9.51 0.42 4.60 0.72 1.16 1.74 RED 201305 1,636 55.97 9.51 0.42 4.60 0.72 1.16 1.74 RED 201305 1,536 43.44 9.60 0.00 9.32 0.00 9.17 0.00 7.52 RED 201307 1,481 49.60 0.00 9.32 0.00 9.32 0.00 9.17 0.00 7.52 RED 201307 1,481 49.60 0.00 9.32 0.00 9.32 0.00 9.17 0.00 7.52 RED 201307 1,481 49.60 0.00 0.00 8.88 0.00 0.01 1.79 6.29 0.02 0.06 RED 201307 1,481 49.60 0.00 0.00 8.88 0.00 0.01 1.79 6.29 0.02 0.00 8.55 RED 201307 1,515 4.61 1.74 4.00 0.88 0.00 0.00 9.17 0.00 0.00	RED	201302	1,770,245	1,199,026	595	17,401	538,194	-	580,766	-	29	28
RED 201305 979,800 472,797 599 17,505 166,494 7,332 80,581 12,623 29 3 RED 201306 778,781 323,543 601 18,684 12,954 39,373 10,136 56,232 31 3 RED 201307 889,638 400,422 601 17,935 - 167,243 - 141,612 30 3 RED 201308 886,842 418,682 602 18,180 - 164,954 453 113,682 31 3 RED 201310 775,780 323,278 610 18,023 12,510 55,078 36,234 32,197 30 3 RED 201311 987,354 459,775 612 18,079 203,156 5,132 162,362 2,017 30 3 RED 201312 1,639,358 1,045,773 632 19,96 533,759 - 474,909 - 30 3 <	RED	201303	1,653,083	1,086,543	595	17,402	514,053	-	445,804	-	29	31
RED 201306 778,781 323,543 601 18,684 12,954 39,373 10,136 56,232 31 3 RED 201307 889,638 400,422 601 17,935 - 167,243 - 141,612 30 3 RED 201308 886,842 418,682 602 11,8180 - 124,868 - 166,741 30 3 RED 201309 924,825 427,294 608 18,581 - 164,954 453 113,682 31 33 RED 201311 97,75,780 323,778 610 18,023 12,510 55,078 36,234 32,197 30 3 RED 201311 987,354 459,775 612 18,079 203,156 5,132 162,362 2,017 30 3 RED 201311 987,354 459,775 612 18,079 203,156 5,132 162,362 2,017 30 3 RED 201312 1,639,358 1,045,773 632 19,966 533,759 - 474,909 - 32 32 32 RED 201313 1,045,773 632 19,966 533,759 - 474,909 - 32 32 32 RED 201313 34,03 99,57 33,70 0.00 33,89 8,000 44,71 0.00 RED 201301 3,403 99,57 33,70 0.00 33,89 0.00 34,71 0.00 RED 201301 2,2977 101,73 30,93 0.00 33,88 0.00 29,89 0.00 RED 201303 2,778 94,99 29,54 0.00 25,62 0.00 18,74 0.00 RED 201303 1,636 55,97 9,51 0.42 4,60 0.72 1.16 1,74 RED 201305 1,636 55,97 9,51 0.42 4,60 0.72 1.16 1,74 RED 201306 1,296 41,68 0.69 2.11 0.54 3.01 0.00 6.23 RED 201306 1,296 41,68 0.69 2.11 0.54 3.01 0.00 6.23 RED 201308 1,481 49,60 0.00 9,32 0.00 7,40 0.03 RED 201309 1,520 49,77 0.00 8.88 0.00 7,90 0.00 9,55 RED 201309 1,520 49,77 0.00 8.88 0.00 6.12 1.79 6.29 0.26 RED 201311 1,613 54,61 11,24 0.28 8.89 0.11 19,40 0.00	RED	201304	1,317,080	778,872	597	17,637	341,978	-	249,160	-	30	30
RED 201307 889,638 400,422 601 17,935 - 167,243 - 141,612 30 3 RED 201308 886,842 418,682 602 18,180 - 124,868 - 166,741 30 3 RED 201309 924,825 427,294 608 18,581 - 164,954 453 113,682 31 33 RED 201310 775,780 323,278 610 18,023 12,510 55,078 36,234 32,197 30 3 RED 201311 987,354 459,775 612 18,079 203,156 5,132 162,362 2,017 30 3 RED 201312 1,639,358 1,045,773 632 19,966 533,759 - 474,909 - 32 20 3 2 3 RED 201312 1,639,358 1,045,773 632 19,966 533,759 - 474,909 - 32 2 3 2 3 3 3 3 3 3 3 3 3 3 3 3 3 3	RED	201305	979,800	472,797	599	17,505	166,494	7,332	80,581	12,623	29	31
RED 201308 886,842 418,682 602 18,180 - 124,868 - 166,741 30 3 RED 201310 75,780 323,278 610 18,023 12,510 55,078 36,234 32,197 30 3 RED 201311 987,354 459,775 612 18,079 203,156 5,132 162,362 2,017 30 3 RED 201312 1,639,358 1,045,773 632 19,966 533,759 - 474,909 - 32 32 3	RED	201306	778,781	323,543	601	18,684	12,954	39,373	10,136	56,232	31	30
RED 201309 924,825 427,294 608 18,581 - 164,954 453 113,682 31 3 RED 201310 775,780 323,278 610 18,023 12,510 55,078 36,224 32,197 30 3 3 RED 201311 987,354 459,775 612 18,079 203,156 5,132 162,362 2,017 30 3 3 RED 201312 1,639,358 1,045,773 632 19,966 533,759 - 474,909 - 32 32 32 3	RED	201307	889,638	400,422	601	17,935	-	167,243	-	141,612	30	31
RED 201310 775,780 323,278 610 18,023 12,510 55,078 36,234 32,197 30 3 3 RED 201311 987,354 459,775 612 18,079 203,156 5,132 162,362 2,017 30 3 3 RED 201312 1,639,358 1,045,773 632 19,966 533,759 - 474,909 - 32 32 32 3	RED	201308	886,842	418,682	602	18,180	-	124,868	-	166,741	30	31
RED 201311 987,354 459,775 612 18,079 203,156 5,132 162,362 2,017 30 3 3 RED 201312 1,639,358 1,045,773 632 19,966 533,759 - 474,909 - 6 32 32 3 3	RED	201309	924,825	427,294	608	18,581	-	164,954	453	113,682	31	30
RED 201312 1,639,358 1,045,773 632 19,966 533,759 - 474,909 - 32 32 33 34 34 34 34 34	RED	201310	775,780	323,278	610	18,023	12,510	55,078	36,234	32,197	30	31
Billing Billing KWh per Customer Billing Calendar	RED	201311	987,354	459,775	612	18,079	203,156	5,132	162,362	2,017	30	30
Rate Month per Customer Billing Billing Billing Billing Billing Calendar Calendar RED 201301 3,403 99.57 33.70 0.00 33.89 0.00 34.71 0.00 RED 201302 2,977 101.73 30.93 0.00 33.89 0.00 29.89 0.00 RED 201303 2,778 94.99 29.54 0.00 25.62 0.00 18.74 0.00 RED 201304 2,205 74.68 19.39 0.00 14.13 0.00 7.40 0.33 RED 201305 1,636 55.97 9.51 0.42 4.60 0.72 1.16 1.74 RED 201306 1,296 41.68 0.69 2.11 0.54 3.01 0.00 6.23 RED 201306 1,481 49.60 0.00 9.32 0.00 7.90 0.00 9.55 RED 201308 1	RED	201312	1,639,358	1,045,773	632	19,966	533,759	-	474,909	-	32	31
Rate Month per Customer Billing Billing Billing Billing Billing Calendar Calendar RED 201301 3,403 99.57 33.70 0.00 33.89 0.00 34.71 0.00 RED 201302 2,977 101.73 30.93 0.00 33.89 0.00 29.89 0.00 RED 201303 2,778 94.99 29.54 0.00 25.62 0.00 18.74 0.00 RED 201304 2,205 74.68 19.39 0.00 14.13 0.00 7.40 0.33 RED 201305 1,636 55.97 9.51 0.42 4.60 0.72 1.16 1.74 RED 201306 1,296 41.68 0.69 2.11 0.54 3.01 0.00 6.23 RED 201306 1,481 49.60 0.00 9.32 0.00 7.90 0.00 9.55 RED 201308 1												
Rate Month per Customer per Day HDD 55/Day CDD 65/Day CDD 65/Day CDD 65/Day CDD 65/Day CDD 65/Day RED 201301 3,403 99.57 33.70 0.00 33.89 0.00 34.71 0.00 RED 201302 2,977 101.73 30.93 0.00 33.38 0.00 29.89 0.00 RED 201303 2,778 94.99 29.54 0.00 25.62 0.00 18.74 0.00 RED 201304 2,205 74.68 19.39 0.00 14.13 0.00 7.40 0.33 RED 201305 1,636 55.97 9.51 0.42 4.60 0.72 1.16 1.74 RED 201306 1,296 41.68 0.69 2.11 0.54 3.01 0.00 6.23 RED 201307 1,481 49.60 0.00 9.32 0.00 7.90 0.00 9.55 RED 201308 <td></td> <td></td> <td>Ü</td> <td>Billing kWh</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>			Ü	Billing kWh								
RED 201301 3,403 99.57 33.70 0.00 33.89 0.00 34.71 0.00 RED 201302 2,977 101.73 30.93 0.00 33.38 0.00 29.89 0.00 RED 201303 2,778 94.99 29.54 0.00 25.62 0.00 18.74 0.00 RED 201304 2,205 74.68 19.39 0.00 14.13 0.00 7.40 0.33 RED 201305 1,636 55.97 9.51 0.42 4.60 0.72 1.16 1.74 RED 201306 1,296 41.68 0.69 2.11 0.54 3.01 0.00 6.23 RED 201307 1,481 49.60 0.00 9.32 0.00 7.90 0.00 9.55 RED 201308 1,473 48.78 0.00 6.87 0.00 9.17 0.00 7.52 RED 201310 1,271 43.04 </td <td></td> <td></td> <td></td> <td>•</td> <td>_</td> <td>_</td> <td>-</td> <td>-</td> <td></td> <td></td> <td></td> <td></td>				•	_	_	-	-				
RED 201302 2,977 101.73 30.93 0.00 33.38 0.00 29.89 0.00 RED 201303 2,778 94.99 29.54 0.00 25.62 0.00 18.74 0.00 RED 201304 2,205 74.68 19.39 0.00 14.13 0.00 7.40 0.33 RED 201305 1,636 55.97 9.51 0.42 4.60 0.72 1.16 1.74 RED 201306 1,296 41.68 0.69 2.11 0.54 3.01 0.00 6.23 RED 201307 1,481 49.60 0.00 9.32 0.00 7.90 0.00 9.55 RED 201308 1,473 48.78 0.00 6.87 0.00 9.17 0.00 7.52 RED 201310 1,271 43.04 0.69 3.06 2.01 1.79 6.29 0.26 RED 201311 1,613 54.61												
RED 201303 2,778 94.99 29.54 0.00 25.62 0.00 18.74 0.00 RED 201304 2,205 74.68 19.39 0.00 14.13 0.00 7.40 0.33 RED 201305 1,636 55.97 9.51 0.42 4.60 0.72 1.16 1.74 RED 201306 1,296 41.68 0.69 2.11 0.54 3.01 0.00 6.23 RED 201307 1,481 49.60 0.00 9.32 0.00 7.90 0.00 9.55 RED 201308 1,473 48.78 0.00 6.87 0.00 9.17 0.00 7.52 RED 201309 1,520 49.77 0.00 8.88 0.02 6.12 0.80 2.73 RED 201310 1,271 43.04 0.69 3.06 2.01 1.79 6.29 0.26 RED 201311 1,613 54.61 11.24 0.28 8.98 0.11 19.40 0.00	RED											
RED 201304 2,205 74.68 19.39 0.00 14.13 0.00 7.40 0.33 RED 201305 1,636 55.97 9.51 0.42 4.60 0.72 1.16 1.74 RED 201306 1,296 41.68 0.69 2.11 0.54 3.01 0.00 6.23 RED 201307 1,481 49.60 0.00 9.32 0.00 7.90 0.00 9.55 RED 201308 1,473 48.78 0.00 6.87 0.00 9.17 0.00 7.52 RED 201309 1,520 49.77 0.00 8.88 0.02 6.12 0.80 2.73 RED 201310 1,271 43.04 0.69 3.06 2.01 1.79 6.29 0.26 RED 201311 1,613 54.61 11.24 0.28 8.98 0.11 19.40 0.00												
RED 201305 1,636 55.97 9.51 0.42 4.60 0.72 1.16 1.74 RED 201306 1,296 41.68 0.69 2.11 0.54 3.01 0.00 6.23 RED 201307 1,481 49.60 0.00 9.32 0.00 7.90 0.00 9.55 RED 201308 1,473 48.78 0.00 6.87 0.00 9.17 0.00 7.52 RED 201309 1,520 49.77 0.00 8.88 0.02 6.12 0.80 2.73 RED 201310 1,271 43.04 0.69 3.06 2.01 1.79 6.29 0.26 RED 201311 1,613 54.61 11.24 0.28 8.98 0.11 19.40 0.00			,									
RED 201306 1,296 41.68 0.69 2.11 0.54 3.01 0.00 6.23 RED 201307 1,481 49.60 0.00 9.32 0.00 7.90 0.00 9.55 RED 201308 1,473 48.78 0.00 6.87 0.00 9.17 0.00 7.52 RED 201309 1,520 49.77 0.00 8.88 0.02 6.12 0.80 2.73 RED 201310 1,271 43.04 0.69 3.06 2.01 1.79 6.29 0.26 RED 201311 1,613 54.61 11.24 0.28 8.98 0.11 19.40 0.00												
RED 201307 1,481 49.60 0.00 9.32 0.00 7.90 0.00 9.55 RED 201308 1,473 48.78 0.00 6.87 0.00 9.17 0.00 7.52 RED 201309 1,520 49.77 0.00 8.88 0.02 6.12 0.80 2.73 RED 201310 1,271 43.04 0.69 3.06 2.01 1.79 6.29 0.26 RED 201311 1,613 54.61 11.24 0.28 8.98 0.11 19.40 0.00												
RED 201308 1,473 48.78 0.00 6.87 0.00 9.17 0.00 7.52 RED 201309 1,520 49.77 0.00 8.88 0.02 6.12 0.80 2.73 RED 201310 1,271 43.04 0.69 3.06 2.01 1.79 6.29 0.26 RED 201311 1,613 54.61 11.24 0.28 8.98 0.11 19.40 0.00												
RED 201309 1,520 49.77 0.00 8.88 0.02 6.12 0.80 2.73 RED 201310 1,271 43.04 0.69 3.06 2.01 1.79 6.29 0.26 RED 201311 1,613 54.61 11.24 0.28 8.98 0.11 19.40 0.00												
RED 201310 1,271 43.04 0.69 3.06 2.01 1.79 6.29 0.26 RED 201311 1,613 54.61 11.24 0.28 8.98 0.11 19.40 0.00	RED		,									
RED 201311 1,613 54.61 11.24 0.28 8.98 0.11 19.40 0.00	RED											
	RED	201310	1,271	43.04	0.69		2.01	1.79	6.29			
RED 201312 2,596 82.11 26.73 0.00 23.79 0.00 32.48 0.00	RED											
	RED	201312	2,596	82.11	26.73	0.00	23.79	0.00	32.48	0.00		

Billing kWh per customer per day and Actual billing HDD and CDD per day are used in the weather normalization regression model.

MIDAMERICAN ENERGY COMPANY Docket No. EL14-XXX

MidAmerican Exhibit CBR 1.1 Workpaper F-3 Page 2 of 4

MidAmerican Energy Company Rate RED Weather Normalization Calculation 2014 South Dakota Electric Rate Case Weather Normalization Results Support Test Year Ending December 31, 2012

- I. Monthly Usage and Weather Data
- II. Weather Normalization Model (Use per customer per day vs. CDD and HDD per day)

SUMMARY OUTPUT

Regression Statistics	
Multiple R	0.9918
R Square	0.9837
Adjusted R Square	0.9801
Standard Error	3.2294
Observations	12

ANOVA

	df	SS	MS	F	Significance F
Regression	2	5660.7570	2830.3785	271.3935	9.03898E-09
Residual	9	93.8615	10.4291		
Total	11	5754.6185			

	Coefficients	Standard Error	t Stat	P-value	Lower 95%	Upper 95%	Lower 95.0%	Upper 95.0%
Intercept	35.9353	2.4628	14.5915	0.0000	30.3642	41.5065	30.3642	41.5065
HDD 55/Day	1.9428	0.1051	18.4824	0.0000	1.7050	2.1806	1.7050	2.1806
CDD 65/Day	1.6088	0.3946	4.0772	0.0028	0.7162	2.5014	0.7162	2.5014

Weather normalization model is calculated using Excel and models actual billed use per customer per day against actual billed HDD and CDD per day.

MidAmerican Energy Company Rate RED Weather Normalization Calculation 2014 South Dakota Electric Rate Case Weather Normalization Results Support Test Year Ending December 31, 2012

- I. Monthly Usage and Weather Data
- III. Billed Sales and Revenue Adjustment

								HDD	CDD	Total
				Weather	Weather			Weather	Weather	Weather
Winter	1st Step	Actual	Actual	Normalized	Normalized	Step 1	Step 2 Adj.	Normalization	Normalization	Normalization
Usage	Percentage	Use/Bill	% in 2nd Step	Use/Bill	% in 2nd Stp	Adjustment	Adjustment	Adjustment	Adjustment	Adjustment
3,403	71.4%	3403	71.4%	3416	71.6%	(1,599)	9,176	7,577	-	7,577
2,977	67.7%	2977	67.7%	3116	69.8%	(10,819)	93,527	82,708	-	82,708
2,778	65.7%	2778	65.7%	2555	62.5%	3,863	(136,454)	(132,591)	-	(132,591)
2,205	59.1%	2205	59.1%	1903	54.7%	(23,747)	(156,577)	(180,324)	-	(180,324)
1,636	48.3%	1636	48.3%	1372	44.4%	(50,347)	(108,052)	(166,911)	8,512	(158,398)
1,271	41.7%	1296	41.5%	1332	42.3%	6,212	15,436	(5,475)	27,123	21,648
1,613	46.6%	1481	45.0%	1412	43.5%	(9,668)	(31,566)	-	(41,234)	(41,234)
2,596	63.8%	1473	47.2%	1585	49.7%	11,715	55,648	-	67,364	67,364
		1520	46.2%	1386	43.2%	(18,632)	(62,974)	880	(82,486)	(81,606)
Summer	1st Step	1271	41.7%	1286	41.9%	3,676	5,604	46,091	(36,811)	9,281
Usage	Percentage	1613	46.6%	1476	44.6%	(26,930)	(57,334)	(79,254)	(5,011)	(84,265)
1,296	41.5%	2596	63.8%	2415	61.2%	(1,225)	(113,107)	(114,332)	-	(114,332)
1,481	45.0%	W Slope:	0.0001455	Wint	er kWh Adjustment:	(107,128)	(463,218)			(604,174)
1,473	47.2%	S Slope:	0.0002234	Summ	er kWh Adjustment:	(10,373)	(23,455)			
1,520	46.2%			W	inter Revenue Rate:	\$ 0.0497	\$ 0.0180			
				Sun	nmer Revenue Rate:	\$ 0.0634	\$ 0.0610			
				Winter Re	evenue Adjustment:	\$ (5,324)	\$ (8,338)			
				Summer Ro	evenue Adjustment:	\$ (658)	\$ (1,431)			

The differences normal and actual billed HDD and CDD per day are multiplied by the respective model coefficients to get a normalization amount per day, which is then multiplied by the average billing days in the month (per bill) and the total number of bills in the month to determine the total weather adjustment or the billing month.

Normalization amounts by step are calculated for each month by estimating the difference in the split between the first and second step of the rate between actual use per month and weather normalized use per month. The difference between these splits is used to allocate the monthly adjustment between setp.

The adjustments in each step are multiplied by the respective rates to calculate a revenue adjustment amount.

MidAmerican Energy Company Rate RED Weather Normalization Calculation 2014 South Dakota Electric Rate Case

I. Monthly Usage and Weather Data

IV. Unbilled Sales and Revenue Adjustment

HDD Weather	CDD Weather	Weather	Weather
Adjustment	Adjustment	Normalized	Normalized
Actual Billed	Actual Billed	Calendar	Monthly
to Normal	to Normal	Use per Cust.	Calendar
Calendar	Calendar	per Day	Sales
1.97	-	101.54	1,880,619
(2.01)	-	99.72	1,660,205
(20.98)	-	74.02	1,365,300
(23.29)	0.54	51.92	930,356
(16.22)	2.13	41.88	777,436
(1.35)	6.64	46.97	846,681
-	0.36	49.96	930,649
-	1.04	49.82	930,106
1.55	(9.88)	41.44	756,322
10.87	(4.50)	49.41	935,098
15.86	(0.46)	70.02	1,285,411
11.17	-	93.28	1,826,359

Weather Normalization Results Support Test Year Ending December 31, 2012

unbilled sales adj. step 1		33.6%	(162,715)	
unbilled sales adj. step 2		66.4%	(321,074)	
unbilled revenue adj. step 1	\$	0.0497	\$ (8,087)	
unbilled revenue adj. step 2	\$	0.0180	\$ (5,779)	
	Actual Bi	lled Sales:	14,635,999	
	W.N. Bi	lled Sales:	14,031,825	(604,174) adjustment
	Actual Unbi	lled Sales:	576,507	
	W.N. Unbi	lled Sales:	92,718	(483,789) adjustment
	Actual Calen	dar Sales:	15,212,506	
	W.N. Calen	dar Sales:	14,124,542	

14,124,542

The differences normal calendar HDD and CDD per day and actual billed HDD and CDD per day are multiplied by the respective model coefficients to get a normalization amount per calendar day, which is then multiplied by the calendar days in the month and the total number of bills in the month to determine total calendar month weather normalized sales.

The difference between annual weather normalized billed sales and annual weather normalized calendar sales is assumed to be weather normalized unbilled sales. The difference between weather normalized and actual unbilled sales is the unbilled sales adjustment, which is allocated to step based on the weather normalized split for January and December. The adjustment amount for each step is multiplied by the respective rate to calculate an unbilled revenue adjustment amount.