

MidAmerican Energy Company
 2014 South Dakota Energy Efficiency Plan
 Planning Assumptions
 Residential Equipment Program

Electric Program Costs \$ 13,200
 Gas Program Costs \$ 38,000

Electric Capacity Costs	Year 1 \$/kW	Escalator
Generation Capacity Cost		
Transmission Capacity Cost		
Distribution Capacity Cost		

Gas Capacity Costs	Year 1 \$/pk thm	Escalator
Transmission Capacity Cost		

Measure	Units	Investment	Rebates	kWh Savings	Peak kW Savings	Therm Savings	Peak Therm Savings
CAC	39	\$ 23,159	\$ 20,535	8,087	10.74	-	-
Window Air Conditioner	7	\$ 287	\$ 280	164	0.22	-	-
Furnace Fan	35	\$ 7,000	\$ 1,750	16,417	-	-	-
ASHP	12	\$ 11,559	\$ 8,723	20,519	5.03	-	-
Thermostat - Gas Heat	351	\$ 11,685	\$ 8,775	-	-	8,979	116.76
Thermostat - G.H. + E.C.	22	\$ 732	\$ 550	1,519	2.02	501	6.52
Clothes Washer - E.H.+ E.D.	18	\$ 8,814	\$ 5,400	9,049	1.08	-	-
Furnace	1,300	\$ 1,907,295	\$ 780,000	-	-	227,747	2,961.73
GSHP	16	\$ 172,736	\$ 32,000	177,456	23.07	-	-

* Tax credits and non-energy benefits are either electric or gas related depending on whether the savings for that measure are electric or gas savings.

Measure	Non-Energy	Tax	Electric	Electric	Electric	Electric	Electric	Electric	Electric
Life	Benefits *	Credits *	Energy	Demand	Energy	Energy	Energy	Energy	Energy
			Losses	Losses	Year 1	Year 2	Year 3	Year 4	Year 4
					\$/kWh	\$/kWh	\$/kWh	\$/kWh	\$/kWh
15			5.73%	7.94%	\$ 0.0467	\$ 0.0500	\$ 0.0471	\$ 0.0556	
9			5.73%	7.94%	\$ 0.0467	\$ 0.0500	\$ 0.0471	\$ 0.0556	
15			5.73%	7.94%	\$ 0.0309	\$ 0.0383	\$ 0.0383	\$ 0.0412	
18			5.73%	7.94%	\$ 0.0328	\$ 0.0395	\$ 0.0392	\$ 0.0428	
15	\$ 14.21		5.73%	7.94%	\$ -	\$ -	\$ -	\$ -	
15			5.73%	7.94%	\$ 0.0467	\$ 0.0500	\$ 0.0471	\$ 0.0556	
11	\$ 34.02		5.73%	7.94%	\$ 0.0349	\$ 0.0406	\$ 0.0414	\$ 0.0431	
20			5.73%	7.94%	\$ -	\$ -	\$ -	\$ -	
18		\$ 97,469	5.73%	7.94%	\$ 0.0316	\$ 0.0385	\$ 0.0385	\$ 0.0415	

Electric Avoided Energy Year 5 \$/kWh	Electric Avoided Energy Year 6 \$/kWh	Electric Avoided Energy Year 7 \$/kWh	Electric Avoided Energy Year 8 \$/kWh	Electric Avoided Energy Year 9 \$/kWh	Electric Avoided Energy Year 10 \$/kWh	Electric Avoided Energy Year 11 \$/kWh	Electric Avoided Energy Year 12 \$/kWh	Electric Avoided Energy Year 13 \$/kWh	Electric Avoided Energy Year 14 \$/kWh
\$ 0.0578	\$ 0.0601	\$ 0.0651	\$ 0.0807	\$ 0.1521	\$ 0.1109	\$ 0.0836	\$ 0.0842	\$ 0.0871	\$ 0.1032
\$ 0.0578	\$ 0.0601	\$ 0.0651	\$ 0.0807	\$ 0.1521	\$ 0.1109	\$ 0.0836	\$ 0.0842	\$ 0.0871	\$ 0.1032
\$ 0.0432	\$ 0.0501	\$ 0.0478	\$ 0.0670	\$ 0.0639	\$ 0.0635	\$ 0.0667	\$ 0.0695	\$ 0.0677	\$ 0.0764
\$ 0.0448	\$ 0.0508	\$ 0.0494	\$ 0.0684	\$ 0.0773	\$ 0.0699	\$ 0.0679	\$ 0.0704	\$ 0.0696	\$ 0.0789
\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
\$ 0.0578	\$ 0.0601	\$ 0.0651	\$ 0.0807	\$ 0.1521	\$ 0.1109	\$ 0.0836	\$ 0.0842	\$ 0.0871	\$ 0.1032
\$ 0.0465	\$ 0.0525	\$ 0.0509	\$ 0.0708	\$ 0.0793	\$ 0.0746	\$ 0.0689	\$ 0.0702	\$ 0.0712	\$ 0.0765
\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
\$ 0.0436	\$ 0.0499	\$ 0.0480	\$ 0.0673	\$ 0.0702	\$ 0.0663	\$ 0.0665	\$ 0.0691	\$ 0.0680	\$ 0.0766

Electric Avoided Energy Year 15 \$/kWh	Electric Avoided Energy Year 16 \$/kWh	Electric Avoided Energy Year 17 \$/kWh	Electric Avoided Energy Year 18 \$/kWh	Electric Avoided Energy Year 19 \$/kWh	Electric Avoided Energy Year 20 \$/kWh	Electric Avoided Energy Year 21 \$/kWh	Electric Avoided Energy Year 22 \$/kWh	Electric Avoided Energy Year 23 \$/kWh	Electric Avoided Energy Year 24 \$/kWh
\$ 0.1165	\$ 0.1340	\$ 0.0998	\$ 0.0973	\$ 0.0949	\$ 0.1032	\$ 0.1090	\$ 0.1013	\$ 0.1066	\$ 0.1258
\$ 0.1165	\$ 0.1340	\$ 0.0998	\$ 0.0973	\$ 0.0949	\$ 0.1032	\$ 0.1090	\$ 0.1013	\$ 0.1066	\$ 0.1258
\$ 0.0723	\$ 0.0750	\$ 0.0787	\$ 0.0785	\$ 0.0795	\$ 0.0790	\$ 0.0817	\$ 0.0841	\$ 0.0866	\$ 0.0862
\$ 0.0780	\$ 0.0831	\$ 0.0804	\$ 0.0800	\$ 0.0804	\$ 0.0816	\$ 0.0845	\$ 0.0852	\$ 0.0880	\$ 0.0910
\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
\$ 0.1165	\$ 0.1340	\$ 0.0998	\$ 0.0973	\$ 0.0949	\$ 0.1032	\$ 0.1090	\$ 0.1013	\$ 0.1066	\$ 0.1258
\$ 0.0813	\$ 0.0856	\$ 0.0787	\$ 0.0818	\$ 0.0812	\$ 0.0853	\$ 0.0871	\$ 0.0863	\$ 0.0888	\$ 0.0940
\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
\$ 0.0745	\$ 0.0784	\$ 0.0785	\$ 0.0784	\$ 0.0791	\$ 0.0796	\$ 0.0823	\$ 0.0838	\$ 0.0863	\$ 0.0878

MidAmerican Energy Company
2014 South Dakota Energy Efficiency Plan
Planning Assumptions
Residential Audit Program

Electric Program Costs \$ 500
Gas Program Costs \$ 80,500

	Year 1 \$/kW	Escalator
Electric Capacity Costs		
Generation Capacity Cost		
Transmission Capacity Cost		
Distribution Capacity Cost		

	Year 1 \$/pk thm	Escalator
Gas Capacity Costs		
Transmission Capacity Cost		

Measure	Units	Investment	Rebates	kWh Savings	Peak kW Savings	Therm Savings	Peak Therm Savings	Measure Life	Non-Energy Benefits *
S.F. Audit	458	\$ 72,337	\$ 72,337	-	-	-	-	1	
M.F. Audit	16	\$ 7,871	\$ 7,871	-	-	-	-	1	
S.F. Faucet Aerator - Elec	2	\$ 12	\$ 12	93	0.01	-	-	10	\$ 7.41
S.F. Faucet Aerator - Gas	446	\$ 2,600	\$ 2,600	-	-	963	2.57	10	\$ 13.14
S.F. Kitchen Aerator - Gas	186	\$ 1,183	\$ 1,183	-	-	402	1.07	10	\$ 13.14
S.F. Showerheads - Elec	2	\$ 19	\$ 19	444	0.05	-	-	10	\$ 35.33
S.F. Showerheads - Gas	379	\$ 3,616	\$ 3,616	-	-	3,904	10.40	10	\$ 62.71
S.F. Pipe Insulation - Elec	2	\$ 11	\$ 11	139	0.02	-	-	13	
S.F. Pipe Insulation - Gas	350	\$ 1,855	\$ 1,855	-	-	1,082	2.88	13	
S.F. W.H. Blanket - Gas	29	\$ 738	\$ 738	-	-	347	0.92	13	
M.F. Faucet Aerator - Gas	55	\$ 171	\$ 171	-	-	114	0.30	10	\$ 12.68
M.F. Kitchen Aerator - Gas	52	\$ 251	\$ 251	-	-	108	0.29	10	\$ 12.68
M.F. Showerhead - Gas	63	\$ 940	\$ 940	-	-	934	2.49	10	\$ 60.52
M.F. Pipe Insulation - Gas	9	\$ 48	\$ 48	-	-	28	0.07	13	
Thermostat - Gas Heat	90	\$ 9,540	\$ 9,540	-	-	2,302	29.94	15	\$ 14.21
Thermostat - G.H. + E.C.	4	\$ 424	\$ 424	276	0.37	91	1.18	15	
Attic - Gas Heat	196	\$ 179,540	\$ -	-	-	18,351	238.65	20	\$ 18.98
Attic - Electric Heat	1	\$ 792	\$ 475	2,111	-	-	-	20	
Attic - G.H. + E.C.	2	\$ 2,000	\$ 1,200	184	0.25	184	2.40	20	
Wall - Gas Heat	49	\$ 50,617	\$ 15,108	-	-	9,400	122.24	20	\$ 36.19
Wall - G.H. + E.C.	1	\$ 606	\$ 182	176	0.23	168	2.19	20	
R-B-J - Gas Heat	19	\$ 2,342	\$ 615	-	-	527	6.85	20	

* Tax credits and non-energy benefits are either electric or gas related depending on whether the savings for that measure are electric or gas savings.

Electric Avoided Energy Year 24 \$/kWh	Electric Avoided Energy Year 25 \$/kWh	Gas Avoided Energy Year 1 \$/therm	Gas Avoided Energy Year 2 \$/therm	Gas Avoided Energy Year 3 \$/therm	Gas Avoided Energy Year 4 \$/therm	Gas Avoided Energy Year 5 \$/therm	Gas Avoided Energy Year 6 \$/therm	Gas Avoided Energy Year 7 \$/therm	Gas Avoided Energy Year 8 \$/therm	Gas Avoided Energy Year 9 \$/therm	Gas Avoided Energy Year 10 \$/therm
\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
\$ 0.0940	\$ 0.0935	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
\$ -	\$ -	\$ 0.5254	\$ 0.5682	\$ 0.5976	\$ 0.6264	\$ 0.6566	\$ 0.6877	\$ 0.7258	\$ 0.7857	\$ 0.8033	\$ 0.8214
\$ -	\$ -	\$ 0.5254	\$ 0.5682	\$ 0.5976	\$ 0.6264	\$ 0.6566	\$ 0.6877	\$ 0.7258	\$ 0.7857	\$ 0.8033	\$ 0.8214
\$ 0.0940	\$ 0.0935	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
\$ -	\$ -	\$ 0.5254	\$ 0.5682	\$ 0.5976	\$ 0.6264	\$ 0.6566	\$ 0.6877	\$ 0.7258	\$ 0.7857	\$ 0.8033	\$ 0.8214
\$ 0.0940	\$ 0.0935	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
\$ -	\$ -	\$ 0.5254	\$ 0.5682	\$ 0.5976	\$ 0.6264	\$ 0.6566	\$ 0.6877	\$ 0.7258	\$ 0.7857	\$ 0.8033	\$ 0.8214
\$ -	\$ -	\$ 0.5254	\$ 0.5682	\$ 0.5976	\$ 0.6264	\$ 0.6566	\$ 0.6877	\$ 0.7258	\$ 0.7857	\$ 0.8033	\$ 0.8214
\$ -	\$ -	\$ 0.5254	\$ 0.5682	\$ 0.5976	\$ 0.6264	\$ 0.6566	\$ 0.6877	\$ 0.7258	\$ 0.7857	\$ 0.8033	\$ 0.8214
\$ -	\$ -	\$ 0.5254	\$ 0.5682	\$ 0.5976	\$ 0.6264	\$ 0.6566	\$ 0.6877	\$ 0.7258	\$ 0.7857	\$ 0.8033	\$ 0.8214
\$ -	\$ -	\$ 0.5254	\$ 0.5682	\$ 0.5976	\$ 0.6264	\$ 0.6566	\$ 0.6877	\$ 0.7258	\$ 0.7857	\$ 0.8033	\$ 0.8214
\$ -	\$ -	\$ 0.5454	\$ 0.5860	\$ 0.6193	\$ 0.6459	\$ 0.6662	\$ 0.6899	\$ 0.7292	\$ 0.7839	\$ 0.8041	\$ 0.8222
\$ 0.1258	\$ 0.1129	\$ 0.5454	\$ 0.5860	\$ 0.6193	\$ 0.6459	\$ 0.6662	\$ 0.6899	\$ 0.7292	\$ 0.7839	\$ 0.8041	\$ 0.8222
\$ -	\$ -	\$ 0.5454	\$ 0.5860	\$ 0.6193	\$ 0.6459	\$ 0.6662	\$ 0.6899	\$ 0.7292	\$ 0.7839	\$ 0.8041	\$ 0.8222
\$ 0.0862	\$ 0.0904	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
\$ 0.1258	\$ 0.1129	\$ 0.5454	\$ 0.5860	\$ 0.6193	\$ 0.6459	\$ 0.6662	\$ 0.6899	\$ 0.7292	\$ 0.7839	\$ 0.8041	\$ 0.8222
\$ -	\$ -	\$ 0.5454	\$ 0.5860	\$ 0.6193	\$ 0.6459	\$ 0.6662	\$ 0.6899	\$ 0.7292	\$ 0.7839	\$ 0.8041	\$ 0.8222
\$ 0.1258	\$ 0.1129	\$ 0.5454	\$ 0.5860	\$ 0.6193	\$ 0.6459	\$ 0.6662	\$ 0.6899	\$ 0.7292	\$ 0.7839	\$ 0.8041	\$ 0.8222
\$ -	\$ -	\$ 0.5454	\$ 0.5860	\$ 0.6193	\$ 0.6459	\$ 0.6662	\$ 0.6899	\$ 0.7292	\$ 0.7839	\$ 0.8041	\$ 0.8222

Gas Avoided Energy Year 11 \$/therm	Gas Avoided Energy Year 12 \$/therm	Gas Avoided Energy Year 13 \$/therm	Gas Avoided Energy Year 14 \$/therm	Gas Avoided Energy Year 15 \$/therm	Gas Avoided Energy Year 16 \$/therm	Gas Avoided Energy Year 17 \$/therm	Gas Avoided Energy Year 18 \$/therm	Gas Avoided Energy Year 19 \$/therm	Gas Avoided Energy Year 20 \$/therm	Gas Avoided Energy Year 21 \$/therm	Gas Avoided Energy Year 22 \$/therm
\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
\$ 0.8399	\$ 0.8588	\$ 0.8781	\$ 0.8979	\$ 0.9181	\$ 0.9387	\$ 0.9599	\$ 0.9815	\$ 1.0036	\$ 1.0261	\$ 1.0492	\$ 1.0728
\$ 0.8399	\$ 0.8588	\$ 0.8781	\$ 0.8979	\$ 0.9181	\$ 0.9387	\$ 0.9599	\$ 0.9815	\$ 1.0036	\$ 1.0261	\$ 1.0492	\$ 1.0728
\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
\$ 0.8399	\$ 0.8588	\$ 0.8781	\$ 0.8979	\$ 0.9181	\$ 0.9387	\$ 0.9599	\$ 0.9815	\$ 1.0036	\$ 1.0261	\$ 1.0492	\$ 1.0728
\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
\$ 0.8399	\$ 0.8588	\$ 0.8781	\$ 0.8979	\$ 0.9181	\$ 0.9387	\$ 0.9599	\$ 0.9815	\$ 1.0036	\$ 1.0261	\$ 1.0492	\$ 1.0728
\$ 0.8399	\$ 0.8588	\$ 0.8781	\$ 0.8979	\$ 0.9181	\$ 0.9387	\$ 0.9599	\$ 0.9815	\$ 1.0036	\$ 1.0261	\$ 1.0492	\$ 1.0728
\$ 0.8399	\$ 0.8588	\$ 0.8781	\$ 0.8979	\$ 0.9181	\$ 0.9387	\$ 0.9599	\$ 0.9815	\$ 1.0036	\$ 1.0261	\$ 1.0492	\$ 1.0728
\$ 0.8399	\$ 0.8588	\$ 0.8781	\$ 0.8979	\$ 0.9181	\$ 0.9387	\$ 0.9599	\$ 0.9815	\$ 1.0036	\$ 1.0261	\$ 1.0492	\$ 1.0728
\$ 0.8399	\$ 0.8588	\$ 0.8781	\$ 0.8979	\$ 0.9181	\$ 0.9387	\$ 0.9599	\$ 0.9815	\$ 1.0036	\$ 1.0261	\$ 1.0492	\$ 1.0728
\$ 0.8408	\$ 0.8597	\$ 0.8790	\$ 0.8988	\$ 0.9190	\$ 0.9397	\$ 0.9608	\$ 0.9824	\$ 1.0046	\$ 1.0272	\$ 1.0503	\$ 1.0739
\$ 0.8408	\$ 0.8597	\$ 0.8790	\$ 0.8988	\$ 0.9190	\$ 0.9397	\$ 0.9608	\$ 0.9824	\$ 1.0046	\$ 1.0272	\$ 1.0503	\$ 1.0739
\$ 0.8408	\$ 0.8597	\$ 0.8790	\$ 0.8988	\$ 0.9190	\$ 0.9397	\$ 0.9608	\$ 0.9824	\$ 1.0046	\$ 1.0272	\$ 1.0503	\$ 1.0739
\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
\$ 0.8408	\$ 0.8597	\$ 0.8790	\$ 0.8988	\$ 0.9190	\$ 0.9397	\$ 0.9608	\$ 0.9824	\$ 1.0046	\$ 1.0272	\$ 1.0503	\$ 1.0739
\$ 0.8408	\$ 0.8597	\$ 0.8790	\$ 0.8988	\$ 0.9190	\$ 0.9397	\$ 0.9608	\$ 0.9824	\$ 1.0046	\$ 1.0272	\$ 1.0503	\$ 1.0739
\$ 0.8408	\$ 0.8597	\$ 0.8790	\$ 0.8988	\$ 0.9190	\$ 0.9397	\$ 0.9608	\$ 0.9824	\$ 1.0046	\$ 1.0272	\$ 1.0503	\$ 1.0739
\$ 0.8408	\$ 0.8597	\$ 0.8790	\$ 0.8988	\$ 0.9190	\$ 0.9397	\$ 0.9608	\$ 0.9824	\$ 1.0046	\$ 1.0272	\$ 1.0503	\$ 1.0739

	Gas Avoided Energy Year 23 \$/therm	Gas Avoided Energy Year 24 \$/therm	Gas Avoided Energy Year 25 \$/therm
\$	-	\$ -	\$ -
\$	-	\$ -	\$ -
\$	-	\$ -	\$ -
\$	1.0970	\$ 1.1216	\$ 1.1469
\$	1.0970	\$ 1.1216	\$ 1.1469
\$	-	\$ -	\$ -
\$	1.0970	\$ 1.1216	\$ 1.1469
\$	-	\$ -	\$ -
\$	1.0970	\$ 1.1216	\$ 1.1469
\$	1.0970	\$ 1.1216	\$ 1.1469
\$	1.0970	\$ 1.1216	\$ 1.1469
\$	1.0970	\$ 1.1216	\$ 1.1469
\$	1.0970	\$ 1.1216	\$ 1.1469
\$	1.0970	\$ 1.1216	\$ 1.1469
\$	1.0981	\$ 1.1227	\$ 1.1480
\$	1.0981	\$ 1.1227	\$ 1.1480
\$	1.0981	\$ 1.1227	\$ 1.1480
\$	-	\$ -	\$ -
\$	1.0981	\$ 1.1227	\$ 1.1480
\$	1.0981	\$ 1.1227	\$ 1.1480
\$	1.0981	\$ 1.1227	\$ 1.1480
\$	1.0981	\$ 1.1227	\$ 1.1480

MidAmerican Energy Company
 2014 South Dakota Energy Efficiency Plan
 Planning Assumptions
 Residential Appliance Recycling Program

Electric Program Costs \$ 2,000
 Gas Program Costs \$ -

Electric Capacity Costs	Year 1 \$/kW	Escalator
Generation Capacity Cost		
Transmission Capacity Cost		
Distribution Capacity Cost		

Gas Capacity Costs	Year 1 \$/pk thm	Escalator
Transmission Capacity Cost		

Measure	Units	Investment	Rebates	kWh Savings	Peak kW Savings	Therm Savings	Peak Therm Savings
Refrigerator - 1st Unit	15	\$ 1,845	\$ 2,595	17,100	2.04	-	-
Refrigerator - 2nd Unit	4	\$ 412	\$ 612	4,560	0.54	-	-
Freezer - 1st Unit	3	\$ 369	\$ 519	2,748	0.33	-	-
Freezer - 2nd Unit	1	\$ 103	\$ 153	916	0.11	-	-
Window Air Conditioner	1	\$ 38	\$ 63	326	0.43	-	-

* Tax credits and non-energy benefits are either electric or gas related depending on whether the savings for that measure are electric or gas savings.

Measure	Non-Energy	Tax	Electric	Electric	Electric	Electric	Electric	Electric	Electric
Life	Benefits *	Credits *	Energy	Demand	Energy	Energy	Energy	Energy	Energy
			Losses	Losses	Year 1	Year 2	Year 3	Year 4	Year 4
					\$/kWh	\$/kWh	\$/kWh	\$/kWh	\$/kWh
5			5.73%	7.94%	\$ 0.0349	\$ 0.0406	\$ 0.0414	\$ 0.0431	\$ 0.0431
5			5.73%	7.94%	\$ 0.0349	\$ 0.0406	\$ 0.0414	\$ 0.0431	\$ 0.0431
5			5.73%	7.94%	\$ 0.0349	\$ 0.0406	\$ 0.0414	\$ 0.0431	\$ 0.0431
5			5.73%	7.94%	\$ 0.0349	\$ 0.0406	\$ 0.0414	\$ 0.0431	\$ 0.0431
3			5.73%	7.94%	\$ 0.0467	\$ 0.0500	\$ 0.0471	\$ 0.0556	\$ 0.0556

Electric Avoided Energy Year 5 \$/kWh	Electric Avoided Energy Year 6 \$/kWh	Electric Avoided Energy Year 7 \$/kWh	Electric Avoided Energy Year 8 \$/kWh	Electric Avoided Energy Year 9 \$/kWh	Electric Avoided Energy Year 10 \$/kWh	Electric Avoided Energy Year 11 \$/kWh	Electric Avoided Energy Year 12 \$/kWh	Electric Avoided Energy Year 13 \$/kWh	Electric Avoided Energy Year 14 \$/kWh
\$ 0.0465	\$ 0.0525	\$ 0.0509	\$ 0.0708	\$ 0.0793	\$ 0.0746	\$ 0.0689	\$ 0.0702	\$ 0.0712	\$ 0.0765
\$ 0.0465	\$ 0.0525	\$ 0.0509	\$ 0.0708	\$ 0.0793	\$ 0.0746	\$ 0.0689	\$ 0.0702	\$ 0.0712	\$ 0.0765
\$ 0.0465	\$ 0.0525	\$ 0.0509	\$ 0.0708	\$ 0.0793	\$ 0.0746	\$ 0.0689	\$ 0.0702	\$ 0.0712	\$ 0.0765
\$ 0.0465	\$ 0.0525	\$ 0.0509	\$ 0.0708	\$ 0.0793	\$ 0.0746	\$ 0.0689	\$ 0.0702	\$ 0.0712	\$ 0.0765
\$ 0.0578	\$ 0.0601	\$ 0.0651	\$ 0.0807	\$ 0.1521	\$ 0.1109	\$ 0.0836	\$ 0.0842	\$ 0.0871	\$ 0.1032

Electric Avoided Energy Year 15 \$/kWh	Electric Avoided Energy Year 16 \$/kWh	Electric Avoided Energy Year 17 \$/kWh	Electric Avoided Energy Year 18 \$/kWh	Electric Avoided Energy Year 19 \$/kWh	Electric Avoided Energy Year 20 \$/kWh	Electric Avoided Energy Year 21 \$/kWh	Electric Avoided Energy Year 22 \$/kWh	Electric Avoided Energy Year 23 \$/kWh	Electric Avoided Energy Year 24 \$/kWh
\$ 0.0813	\$ 0.0856	\$ 0.0787	\$ 0.0818	\$ 0.0812	\$ 0.0853	\$ 0.0871	\$ 0.0863	\$ 0.0888	\$ 0.0940
\$ 0.0813	\$ 0.0856	\$ 0.0787	\$ 0.0818	\$ 0.0812	\$ 0.0853	\$ 0.0871	\$ 0.0863	\$ 0.0888	\$ 0.0940
\$ 0.0813	\$ 0.0856	\$ 0.0787	\$ 0.0818	\$ 0.0812	\$ 0.0853	\$ 0.0871	\$ 0.0863	\$ 0.0888	\$ 0.0940
\$ 0.0813	\$ 0.0856	\$ 0.0787	\$ 0.0818	\$ 0.0812	\$ 0.0853	\$ 0.0871	\$ 0.0863	\$ 0.0888	\$ 0.0940
\$ 0.1165	\$ 0.1340	\$ 0.0998	\$ 0.0973	\$ 0.0949	\$ 0.1032	\$ 0.1090	\$ 0.1013	\$ 0.1066	\$ 0.1258

MidAmerican Energy Company
 2014 South Dakota Energy Efficiency Plan
 Planning Assumptions
 Residential Load Management Program

Electric Program Costs \$ 10,200
 Gas Program Costs \$ -

Electric Capacity Costs	Year 1 \$/kW	Escalator
Generation Capacity Cost		
Transmission Capacity Cost		
Distribution Capacity Cost		

Gas Capacity Costs	Year 1 \$/pk thm	Escalator
Transmission Capacity Cost		

Measure	Units	Investment	Rebates	kWh Savings	Peak kW Savings	Therm Savings	Peak Therm Savings
Residential Load Management	149	\$ -	\$ 4,729	846	124.53	-	-

* Tax credits and non-energy benefits are either electric or gas related depending on whether the savings for that measure are electric or gas savings.

Measure Life	Non-Energy Benefits *	Tax Credits *	Electric Energy Losses	Electric Demand Losses	Electric Avoided Energy Year 1 \$/kWh	Electric Avoided Energy Year 2 \$/kWh	Electric Avoided Energy Year 3 \$/kWh	Electric Avoided Energy Year 4 \$/kWh
1			5.73%	7.94%	\$ 0.0783	\$ 0.1292	\$ 0.1018	\$ 0.1857

Electric Avoided Energy Year 5 \$/kWh	Electric Avoided Energy Year 6 \$/kWh	Electric Avoided Energy Year 7 \$/kWh	Electric Avoided Energy Year 8 \$/kWh	Electric Avoided Energy Year 9 \$/kWh	Electric Avoided Energy Year 10 \$/kWh	Electric Avoided Energy Year 11 \$/kWh	Electric Avoided Energy Year 12 \$/kWh	Electric Avoided Energy Year 13 \$/kWh	Electric Avoided Energy Year 14 \$/kWh
\$ 0.1217	\$ 0.1120	\$ 0.1276	\$ 0.1519	\$ 0.6129	\$ 0.2274	\$ 0.1398	\$ 0.2096	\$ 0.1796	\$ 0.3575

Electric Avoided Energy Year 15 \$/kWh	Electric Avoided Energy Year 16 \$/kWh	Electric Avoided Energy Year 17 \$/kWh	Electric Avoided Energy Year 18 \$/kWh	Electric Avoided Energy Year 19 \$/kWh	Electric Avoided Energy Year 20 \$/kWh	Electric Avoided Energy Year 21 \$/kWh	Electric Avoided Energy Year 22 \$/kWh	Electric Avoided Energy Year 23 \$/kWh	Electric Avoided Energy Year 24 \$/kWh
\$ 0.3678	\$ 0.3986	\$ 0.2719	\$ 0.1739	\$ 0.2033	\$ 0.2472	\$ 0.2211	\$ 0.2139	\$ 0.2021	\$ 0.3402

MidAmerican Energy Company
2014 South Dakota Energy Efficiency Plan
Planning Assumptions
Nonresidential Equipment Program

Electric Program Costs \$ 4,100
Gas Program Costs \$ 1,500

	Year 1	Escalator
Electric Capacity Costs	\$/kW	
Generation Capacity Cost		
Transmission Capacity Cost		
Distribution Capacity Cost		

	Year 1	Escalator
Gas Capacity Costs	\$/pk thm	
Transmission Capacity Cost		

Measure	Units	Investment	Rebates	kWh Savings	Peak kW Savings	Therm Savings	Peak Therm Savings
VFD	2	\$ 8,586	\$ 2,747	66,038	8.37	-	-
VFD - HVAC	1	\$ 3,655	\$ 1,000	51,898	0.11	-	-
CAC Small	1	\$ 510	\$ 428	190	0.24	-	-
CAC Large	1	\$ 311	\$ 226	433	0.40	-	-
Window AC	3	\$ 125	\$ 120	254	0.32	-	-
Furnace	180	\$ 556,020	\$ 270,000	-	-	86,400	1,160.83
Boiler	3	\$ 24,323	\$ 6,866	-	-	13,346	271.28
Thermostat - Gas Heat	15	\$ 799	\$ 375	-	-	2,912	39.13
Thermostat - G.H. + E.C.	14	\$ 746	\$ 350	7,645	9.71	2,421	32.52
Natural Gas Water Heater	1	\$ 46	\$ 15	-	-	116	0.36
Metal Halide Pulse	32	\$ 3,567	\$ 960	11,182	1.68	-	-
LED Exit Sign	8	\$ 546	\$ 320	1,402	0.21	-	-
T-5 High Bay	50	\$ 8,958	\$ 3,450	23,369	3.51	-	-
T-8	9	\$ 458	\$ 289	881	0.13	-	-
T-8 High Bay	83	\$ 14,870	\$ 5,727	79,249	11.89	-	-

* Tax credits and non-energy benefits are either electric or gas related depending on whether the savings for that measure are electric or gas savings.

Measure	Non-Energy	Tax	Electric	Electric	Electric	Electric	Electric	Electric	Electric	Electric	Electric
Life	Benefits *	Credits *	Energy	Demand	Energy	Energy	Energy	Energy	Energy	Energy	Energy
			Losses	Losses	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 6
					\$/kWh	\$/kWh	\$/kWh	\$/kWh	\$/kWh	\$/kWh	\$/kWh
15			5.73%	7.94%	\$ 0.0352	\$ 0.0411	\$ 0.0419	\$ 0.0436	\$ 0.0469	\$ 0.0532	
15			5.73%	7.94%	\$ 0.0325	\$ 0.0388	\$ 0.0400	\$ 0.0409	\$ 0.0441	\$ 0.0508	
15			5.73%	7.94%	\$ 0.0491	\$ 0.0528	\$ 0.0497	\$ 0.0583	\$ 0.0609	\$ 0.0631	
15			5.73%	7.94%	\$ 0.0455	\$ 0.0489	\$ 0.0466	\$ 0.0535	\$ 0.0563	\$ 0.0589	
9			5.73%	7.94%	\$ 0.0491	\$ 0.0528	\$ 0.0497	\$ 0.0583	\$ 0.0609	\$ 0.0631	
20			5.73%	7.94%	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
20			5.73%	7.94%	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
15	\$ 109.48		5.73%	7.94%	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
15			5.73%	7.94%	\$ 0.0491	\$ 0.0528	\$ 0.0497	\$ 0.0583	\$ 0.0609	\$ 0.0631	
13			5.73%	7.94%	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
15			5.73%	7.94%	\$ 0.0367	\$ 0.0429	\$ 0.0438	\$ 0.0455	\$ 0.0490	\$ 0.0555	
11			5.73%	7.94%	\$ 0.0367	\$ 0.0429	\$ 0.0438	\$ 0.0455	\$ 0.0490	\$ 0.0555	
15			5.73%	7.94%	\$ 0.0367	\$ 0.0429	\$ 0.0438	\$ 0.0455	\$ 0.0490	\$ 0.0555	
13			5.73%	7.94%	\$ 0.0367	\$ 0.0429	\$ 0.0438	\$ 0.0455	\$ 0.0490	\$ 0.0555	
15			5.73%	7.94%	\$ 0.0367	\$ 0.0429	\$ 0.0438	\$ 0.0455	\$ 0.0490	\$ 0.0555	

Electric Avoided Energy Year 7 \$/kWh	Electric Avoided Energy Year 8 \$/kWh	Electric Avoided Energy Year 9 \$/kWh	Electric Avoided Energy Year 10 \$/kWh	Electric Avoided Energy Year 11 \$/kWh	Electric Avoided Energy Year 12 \$/kWh	Electric Avoided Energy Year 13 \$/kWh	Electric Avoided Energy Year 14 \$/kWh	Electric Avoided Energy Year 15 \$/kWh	Electric Avoided Energy Year 16 \$/kWh	Electric Avoided Energy Year 17 \$/kWh
\$ 0.0514	\$ 0.0714	\$ 0.0802	\$ 0.0750	\$ 0.0694	\$ 0.0709	\$ 0.0716	\$ 0.0772	\$ 0.0818	\$ 0.0868	\$ 0.0795
\$ 0.0480	\$ 0.0686	\$ 0.0681	\$ 0.0678	\$ 0.0657	\$ 0.0674	\$ 0.0678	\$ 0.0716	\$ 0.0749	\$ 0.0776	\$ 0.0747
\$ 0.0691	\$ 0.0849	\$ 0.1566	\$ 0.1170	\$ 0.0874	\$ 0.0877	\$ 0.0907	\$ 0.1072	\$ 0.1216	\$ 0.1403	\$ 0.1043
\$ 0.0637	\$ 0.0796	\$ 0.1380	\$ 0.1064	\$ 0.0821	\$ 0.0821	\$ 0.0852	\$ 0.0985	\$ 0.1111	\$ 0.1266	\$ 0.0967
\$ 0.0691	\$ 0.0849	\$ 0.1566	\$ 0.1170	\$ 0.0874	\$ 0.0877	\$ 0.0907	\$ 0.1072	\$ 0.1216	\$ 0.1403	\$ 0.1043
\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
\$ 0.0691	\$ 0.0849	\$ 0.1566	\$ 0.1170	\$ 0.0874	\$ 0.0877	\$ 0.0907	\$ 0.1072	\$ 0.1216	\$ 0.1403	\$ 0.1043
\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
\$ 0.0538	\$ 0.0742	\$ 0.0843	\$ 0.0786	\$ 0.0720	\$ 0.0736	\$ 0.0740	\$ 0.0804	\$ 0.0854	\$ 0.0911	\$ 0.0826
\$ 0.0538	\$ 0.0742	\$ 0.0843	\$ 0.0786	\$ 0.0720	\$ 0.0736	\$ 0.0740	\$ 0.0804	\$ 0.0854	\$ 0.0911	\$ 0.0826
\$ 0.0538	\$ 0.0742	\$ 0.0843	\$ 0.0786	\$ 0.0720	\$ 0.0736	\$ 0.0740	\$ 0.0804	\$ 0.0854	\$ 0.0911	\$ 0.0826
\$ 0.0538	\$ 0.0742	\$ 0.0843	\$ 0.0786	\$ 0.0720	\$ 0.0736	\$ 0.0740	\$ 0.0804	\$ 0.0854	\$ 0.0911	\$ 0.0826
\$ 0.0538	\$ 0.0742	\$ 0.0843	\$ 0.0786	\$ 0.0720	\$ 0.0736	\$ 0.0740	\$ 0.0804	\$ 0.0854	\$ 0.0911	\$ 0.0826

Electric Avoided Energy Year 18 \$/kWh	Electric Avoided Energy Year 19 \$/kWh	Electric Avoided Energy Year 20 \$/kWh	Electric Avoided Energy Year 21 \$/kWh	Electric Avoided Energy Year 22 \$/kWh	Electric Avoided Energy Year 23 \$/kWh	Electric Avoided Energy Year 24 \$/kWh	Electric Avoided Energy Year 25 \$/kWh	Gas Avoided Energy Year 1 \$/therm	Gas Avoided Energy Year 2 \$/therm	Gas Avoided Energy Year 3 \$/therm
\$ 0.0825	\$ 0.0817	\$ 0.0864	\$ 0.0881	\$ 0.0867	\$ 0.0894	\$ 0.0946	\$ 0.0943	\$ -	\$ -	\$ -
\$ 0.0783	\$ 0.0780	\$ 0.0814	\$ 0.0827	\$ 0.0829	\$ 0.0849	\$ 0.0880	\$ 0.0893	\$ -	\$ -	\$ -
\$ 0.1016	\$ 0.0990	\$ 0.1085	\$ 0.1145	\$ 0.1057	\$ 0.1107	\$ 0.1311	\$ 0.1182	\$ -	\$ -	\$ -
\$ 0.0958	\$ 0.0935	\$ 0.1020	\$ 0.1071	\$ 0.0997	\$ 0.1044	\$ 0.1212	\$ 0.1111	\$ -	\$ -	\$ -
\$ 0.1016	\$ 0.0990	\$ 0.1085	\$ 0.1145	\$ 0.1057	\$ 0.1107	\$ 0.1311	\$ 0.1182	\$ -	\$ -	\$ -
\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 0.5453	\$ 0.5858	\$ 0.6192
\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 0.5476	\$ 0.5872	\$ 0.6218
\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 0.5453	\$ 0.5858	\$ 0.6192
\$ 0.1016	\$ 0.0990	\$ 0.1085	\$ 0.1145	\$ 0.1057	\$ 0.1107	\$ 0.1311	\$ 0.1182	\$ 0.5453	\$ 0.5858	\$ 0.6192
\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 0.5254	\$ 0.5682	\$ 0.5976
\$ 0.0857	\$ 0.0846	\$ 0.0900	\$ 0.0918	\$ 0.0898	\$ 0.0925	\$ 0.0982	\$ 0.0980	\$ -	\$ -	\$ -
\$ 0.0857	\$ 0.0846	\$ 0.0900	\$ 0.0918	\$ 0.0898	\$ 0.0925	\$ 0.0982	\$ 0.0980	\$ -	\$ -	\$ -
\$ 0.0857	\$ 0.0846	\$ 0.0900	\$ 0.0918	\$ 0.0898	\$ 0.0925	\$ 0.0982	\$ 0.0980	\$ -	\$ -	\$ -
\$ 0.0857	\$ 0.0846	\$ 0.0900	\$ 0.0918	\$ 0.0898	\$ 0.0925	\$ 0.0982	\$ 0.0980	\$ -	\$ -	\$ -
\$ 0.0857	\$ 0.0846	\$ 0.0900	\$ 0.0918	\$ 0.0898	\$ 0.0925	\$ 0.0982	\$ 0.0980	\$ -	\$ -	\$ -

	Gas Avoided Energy Year 24 \$/therm	Gas Avoided Energy Year 25 \$/therm
\$	-	\$ -
\$	-	\$ -
\$	-	\$ -
\$	-	\$ -
\$	-	\$ -
\$	1.1227	\$ 1.1480
\$	1.1237	\$ 1.1491
\$	1.1227	\$ 1.1480
\$	1.1227	\$ 1.1480
\$	1.1216	\$ 1.1469
\$	-	\$ -
\$	-	\$ -
\$	-	\$ -
\$	-	\$ -
\$	-	\$ -

MidAmerican Energy Company
 2014 South Dakota Energy Efficiency Plan
 Planning Assumptions
 Nonresidential Custom Program

Electric Program Costs \$ 8,600
 Gas Program Costs \$ 9,400

Electric Capacity Costs	Year 1 \$/kW	Escalator
Generation Capacity Cost		
Transmission Capacity Cost		
Distribution Capacity Cost		

Gas Capacity Costs	Year 1 \$/pk thm	Escalator
Transmission Capacity Cost		

Measure	Units	Investment	Rebates	kWh Savings	Peak kW Savings	Therm Savings	Peak Therm Savings
Boiler Stack Controls	0.33	\$ 2,375	\$ 627	-	-	352	4.74
Boiler Systems	1.00	\$ 22,000	\$ 9,800	-	-	5,922	120.38
EMS - Electric	0.33	\$ 5,115	\$ 2,673	19,199	13.51	-	-
Fryer	0.33	\$ 305	\$ 165	-	-	151	0.44
Heat Exchanger	0.33	\$ 33,000	\$ 4,950	38,214	5.23	-	-
Heat Recovery - Electric + Gas	0.33	\$ 16,764	\$ 5,445	(5,732)	(0.89)	4,224	56.75
In Floor Heating	0.33	\$ 23,100	\$ 5,445	5,904	-	2,526	51.34
Insulation - G.H. + E.C.	1.00	\$ 3,129	\$ 491	283	0.44	458	6.16
Windows - G.H. + E.C.	18.00	\$ 2,946	\$ 524	1,342	1.22	140	2.84

* Tax credits and non-energy benefits are either electric or gas related depending on whether the savings for that measure are electric or gas savings.

Measure	Non-Energy Benefits *	Tax Credits *	Electric Energy Losses	Electric Demand Losses	Electric Energy Avoided Year 1 \$/kWh	Electric Energy Avoided Year 2 \$/kWh	Electric Energy Avoided Year 3 \$/kWh	Electric Energy Avoided Year 4 \$/kWh
20			5.73%	7.94%	\$ -	\$ -	\$ -	\$ -
20			5.73%	7.94%	\$ -	\$ -	\$ -	\$ -
11			5.73%	7.94%	\$ 0.0420	\$ 0.0461	\$ 0.0443	\$ 0.0505
12			5.73%	7.94%	\$ -	\$ -	\$ -	\$ -
25			5.73%	7.94%	\$ 0.0357	\$ 0.0416	\$ 0.0425	\$ 0.0442
15			5.73%	7.94%	\$ 0.0319	\$ 0.0388	\$ 0.0388	\$ 0.0419
15			5.73%	7.94%	\$ 0.0305	\$ 0.0367	\$ 0.0366	\$ 0.0401
25			5.73%	7.94%	\$ 0.0475	\$ 0.0516	\$ 0.0483	\$ 0.0578
25			5.73%	7.94%	\$ 0.0455	\$ 0.0489	\$ 0.0466	\$ 0.0535

Electric Avoided Energy Year 5 \$/kWh	Electric Avoided Energy Year 6 \$/kWh	Electric Avoided Energy Year 7 \$/kWh	Electric Avoided Energy Year 8 \$/kWh	Electric Avoided Energy Year 9 \$/kWh	Electric Avoided Energy Year 10 \$/kWh	Electric Avoided Energy Year 11 \$/kWh	Electric Avoided Energy Year 12 \$/kWh	Electric Avoided Energy Year 13 \$/kWh	Electric Avoided Energy Year 14 \$/kWh
\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
\$ 0.0530	\$ 0.0563	\$ 0.0597	\$ 0.0761	\$ 0.1209	\$ 0.0964	\$ 0.0784	\$ 0.0790	\$ 0.0809	\$ 0.0937
\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
\$ 0.0476	\$ 0.0538	\$ 0.0521	\$ 0.0722	\$ 0.0815	\$ 0.0763	\$ 0.0702	\$ 0.0717	\$ 0.0724	\$ 0.0782
\$ 0.0440	\$ 0.0501	\$ 0.0484	\$ 0.0676	\$ 0.0722	\$ 0.0673	\$ 0.0670	\$ 0.0695	\$ 0.0685	\$ 0.0773
\$ 0.0417	\$ 0.0475	\$ 0.0463	\$ 0.0645	\$ 0.0633	\$ 0.0628	\$ 0.0659	\$ 0.0685	\$ 0.0668	\$ 0.0776
\$ 0.0595	\$ 0.0612	\$ 0.0668	\$ 0.0826	\$ 0.1634	\$ 0.1144	\$ 0.0852	\$ 0.0864	\$ 0.0887	\$ 0.1073
\$ 0.0563	\$ 0.0589	\$ 0.0637	\$ 0.0796	\$ 0.1380	\$ 0.1064	\$ 0.0821	\$ 0.0821	\$ 0.0852	\$ 0.0985

Electric Avoided Energy Year 15 \$/kWh	Electric Avoided Energy Year 16 \$/kWh	Electric Avoided Energy Year 17 \$/kWh	Electric Avoided Energy Year 18 \$/kWh	Electric Avoided Energy Year 19 \$/kWh	Electric Avoided Energy Year 20 \$/kWh	Electric Avoided Energy Year 21 \$/kWh	Electric Avoided Energy Year 22 \$/kWh	Electric Avoided Energy Year 23 \$/kWh	Electric Avoided Energy Year 24 \$/kWh
\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
\$ 0.1020	\$ 0.1146	\$ 0.0926	\$ 0.0916	\$ 0.0901	\$ 0.0965	\$ 0.1011	\$ 0.0958	\$ 0.1001	\$ 0.1129
\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
\$ 0.0830	\$ 0.0881	\$ 0.0804	\$ 0.0835	\$ 0.0826	\$ 0.0874	\$ 0.0892	\$ 0.0877	\$ 0.0903	\$ 0.0958
\$ 0.0755	\$ 0.0798	\$ 0.0792	\$ 0.0789	\$ 0.0795	\$ 0.0803	\$ 0.0830	\$ 0.0843	\$ 0.0868	\$ 0.0888
\$ 0.0715	\$ 0.0742	\$ 0.0789	\$ 0.0775	\$ 0.0788	\$ 0.0780	\$ 0.0809	\$ 0.0828	\$ 0.0857	\$ 0.0850
\$ 0.1205	\$ 0.1408	\$ 0.1034	\$ 0.0991	\$ 0.0970	\$ 0.1056	\$ 0.1119	\$ 0.1035	\$ 0.1086	\$ 0.1301
\$ 0.1111	\$ 0.1266	\$ 0.0967	\$ 0.0958	\$ 0.0935	\$ 0.1020	\$ 0.1071	\$ 0.0997	\$ 0.1044	\$ 0.1212

Electric Avoided Energy Year 25 \$/kWh	Gas Avoided Energy Year 1 \$/therm	Gas Avoided Energy Year 2 \$/therm	Gas Avoided Energy Year 3 \$/therm	Gas Avoided Energy Year 4 \$/therm	Gas Avoided Energy Year 5 \$/therm	Gas Avoided Energy Year 6 \$/therm	Gas Avoided Energy Year 7 \$/therm	Gas Avoided Energy Year 8 \$/therm
\$ -	\$ 0.5453	\$ 0.5858	\$ 0.6192	\$ 0.6459	\$ 0.6662	\$ 0.6898	\$ 0.7292	\$ 0.7838
\$ -	\$ 0.5476	\$ 0.5872	\$ 0.6218	\$ 0.6487	\$ 0.6683	\$ 0.6910	\$ 0.7301	\$ 0.7840
\$ 0.1062	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
\$ -	\$ 0.5254	\$ 0.5682	\$ 0.5976	\$ 0.6265	\$ 0.6566	\$ 0.6877	\$ 0.7258	\$ 0.7857
\$ 0.0954	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
\$ 0.0910	\$ 0.5453	\$ 0.5858	\$ 0.6192	\$ 0.6459	\$ 0.6662	\$ 0.6898	\$ 0.7292	\$ 0.7838
\$ 0.0897	\$ 0.5476	\$ 0.5872	\$ 0.6218	\$ 0.6487	\$ 0.6683	\$ 0.6910	\$ 0.7301	\$ 0.7840
\$ 0.1156	\$ 0.5453	\$ 0.5858	\$ 0.6192	\$ 0.6459	\$ 0.6662	\$ 0.6898	\$ 0.7292	\$ 0.7838
\$ 0.1111	\$ 0.5476	\$ 0.5872	\$ 0.6218	\$ 0.6487	\$ 0.6683	\$ 0.6910	\$ 0.7301	\$ 0.7840

Gas Avoided Energy Year 9 \$/therm	Gas Avoided Energy Year 10 \$/therm	Gas Avoided Energy Year 11 \$/therm	Gas Avoided Energy Year 12 \$/therm	Gas Avoided Energy Year 13 \$/therm	Gas Avoided Energy Year 14 \$/therm	Gas Avoided Energy Year 15 \$/therm	Gas Avoided Energy Year 16 \$/therm	Gas Avoided Energy Year 17 \$/therm
\$ 0.8041	\$ 0.8222	\$ 0.8407	\$ 0.8597	\$ 0.8790	\$ 0.8987	\$ 0.9190	\$ 0.9397	\$ 0.9608
\$ 0.8049	\$ 0.8230	\$ 0.8415	\$ 0.8604	\$ 0.8798	\$ 0.8996	\$ 0.9198	\$ 0.9405	\$ 0.9617
\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
\$ 0.8034	\$ 0.8214	\$ 0.8399	\$ 0.8588	\$ 0.8781	\$ 0.8979	\$ 0.9181	\$ 0.9388	\$ 0.9599
\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
\$ 0.8041	\$ 0.8222	\$ 0.8407	\$ 0.8597	\$ 0.8790	\$ 0.8987	\$ 0.9190	\$ 0.9397	\$ 0.9608
\$ 0.8049	\$ 0.8230	\$ 0.8415	\$ 0.8604	\$ 0.8798	\$ 0.8996	\$ 0.9198	\$ 0.9405	\$ 0.9617
\$ 0.8041	\$ 0.8222	\$ 0.8407	\$ 0.8597	\$ 0.8790	\$ 0.8987	\$ 0.9190	\$ 0.9397	\$ 0.9608
\$ 0.8049	\$ 0.8230	\$ 0.8415	\$ 0.8604	\$ 0.8798	\$ 0.8996	\$ 0.9198	\$ 0.9405	\$ 0.9617

Gas Avoided Energy Year 18 \$/therm	Gas Avoided Energy Year 19 \$/therm	Gas Avoided Energy Year 20 \$/therm	Gas Avoided Energy Year 21 \$/therm	Gas Avoided Energy Year 22 \$/therm	Gas Avoided Energy Year 23 \$/therm	Gas Avoided Energy Year 24 \$/therm	Gas Avoided Energy Year 25 \$/therm
\$ 0.9824	\$ 1.0046	\$ 1.0271	\$ 1.0502	\$ 1.0739	\$ 1.0980	\$ 1.1227	\$ 1.1480
\$ 0.9833	\$ 1.0055	\$ 1.0281	\$ 1.0512	\$ 1.0749	\$ 1.0990	\$ 1.1237	\$ 1.1491
\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
\$ 0.9815	\$ 1.0036	\$ 1.0261	\$ 1.0492	\$ 1.0728	\$ 1.0970	\$ 1.1216	\$ 1.1469
\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
\$ 0.9824	\$ 1.0046	\$ 1.0271	\$ 1.0502	\$ 1.0739	\$ 1.0980	\$ 1.1227	\$ 1.1480
\$ 0.9833	\$ 1.0055	\$ 1.0281	\$ 1.0512	\$ 1.0749	\$ 1.0990	\$ 1.1237	\$ 1.1491
\$ 0.9824	\$ 1.0046	\$ 1.0271	\$ 1.0502	\$ 1.0739	\$ 1.0980	\$ 1.1227	\$ 1.1480
\$ 0.9833	\$ 1.0055	\$ 1.0281	\$ 1.0512	\$ 1.0749	\$ 1.0990	\$ 1.1237	\$ 1.1491

MidAmerican Energy Company
 2014 South Dakota Energy Efficiency Plan
 Planning Assumptions
 Nonresidential Audit Program

Electric Program Costs \$ 900
 Gas Program Costs \$ 12,100

Electric Capacity Costs	Year 1 \$/kW	Escalator
Generation Capacity Cost		
Transmission Capacity Cost		
Distribution Capacity Cost		

Gas Capacity Costs	Year 1 \$/pk thm	Escalator
Transmission Capacity Cost		

Measure	Units	Investment	Rebates	kWh Savings	Peak kW Savings	Therm Savings	Peak Therm Savings
S.C. Audit	29	\$ 7,599	\$ 7,599	-	-	-	-
M.F. Audit	28	\$ 13,774	\$ 13,774	-	-	-	-
S.C. Faucet Aerator - Elec	5	\$ 16	\$ 16	698	0.10	-	-
S.C. Faucet Aerator - Gas	28	\$ 87	\$ 87	-	-	708	2.16
S.C. Kitchen Aerator - Elec	1	\$ 5	\$ 5	140	0.02	-	-
S.C. Kitchen Aerator - Gas	12	\$ 58	\$ 58	-	-	303	0.93
S.C. Pipe Insulation - Elec	2	\$ 11	\$ 11	224	0.03	-	-
S.C. Pipe Insulation - Gas	3	\$ 16	\$ 16	-	-	71	0.22
S.C. Showerhead - Gas	9	\$ 86	\$ 86	-	-	185	0.57
M.F. Faucet Aerator - Gas	571	\$ 1,776	\$ 1,776	-	-	1,182	3.15
M.F. Kitchen Aerator - Gas	403	\$ 1,946	\$ 1,946	-	-	834	2.22
M.F. Showerhead - Gas	474	\$ 7,072	\$ 7,072	-	-	7,025	18.71
LED Exit Sign	3	\$ 144	\$ 144	526	0.08	-	-

* Tax credits and non-energy benefits are either electric or gas related depending on whether the savings for that measure are electric or gas savings.

Measure	Non-Energy	Tax	Electric	Electric	Electric	Electric	Electric	Electric	Electric	Electric
Life	Benefits *	Credits *	Energy	Demand	Energy	Energy	Energy	Energy	Energy	Energy
			Losses	Losses	Year 1	Year 2	Year 3	Year 4	Year 5	Year 5
					\$/kWh	\$/kWh	\$/kWh	\$/kWh	\$/kWh	\$/kWh
1			5.73%	7.94%	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
1			5.73%	7.94%	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
10	\$ 26.45		5.73%	7.94%	\$ 0.0367	\$ 0.0429	\$ 0.0438	\$ 0.0455	\$ 0.0490	\$ 0.0490
10	\$ 46.17		5.73%	7.94%	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
10	\$ 26.45		5.73%	7.94%	\$ 0.0367	\$ 0.0429	\$ 0.0438	\$ 0.0455	\$ 0.0490	\$ 0.0490
10	\$ 46.17		5.73%	7.94%	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
13			5.73%	7.94%	\$ 0.0367	\$ 0.0429	\$ 0.0438	\$ 0.0455	\$ 0.0490	\$ 0.0490
13			5.73%	7.94%	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
10	\$ 30.84		5.73%	7.94%	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
10	\$ 12.68		5.73%	7.94%	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
10	\$ 12.68		5.73%	7.94%	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
10	\$ 12.68		5.73%	7.94%	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
11			5.73%	7.94%	\$ 0.0367	\$ 0.0429	\$ 0.0438	\$ 0.0455	\$ 0.0490	\$ 0.0490

Electric Avoided Energy Year 6 \$/kWh	Electric Avoided Energy Year 7 \$/kWh	Electric Avoided Energy Year 8 \$/kWh	Electric Avoided Energy Year 9 \$/kWh	Electric Avoided Energy Year 10 \$/kWh	Electric Avoided Energy Year 11 \$/kWh	Electric Avoided Energy Year 12 \$/kWh	Electric Avoided Energy Year 13 \$/kWh	Electric Avoided Energy Year 14 \$/kWh	Electric Avoided Energy Year 15 \$/kWh
\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
\$ 0.0555	\$ 0.0538	\$ 0.0742	\$ 0.0843	\$ 0.0786	\$ 0.0720	\$ 0.0736	\$ 0.0740	\$ 0.0804	\$ 0.0854
\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
\$ 0.0555	\$ 0.0538	\$ 0.0742	\$ 0.0843	\$ 0.0786	\$ 0.0720	\$ 0.0736	\$ 0.0740	\$ 0.0804	\$ 0.0854
\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
\$ 0.0555	\$ 0.0538	\$ 0.0742	\$ 0.0843	\$ 0.0786	\$ 0.0720	\$ 0.0736	\$ 0.0740	\$ 0.0804	\$ 0.0854
\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
\$ 0.0555	\$ 0.0538	\$ 0.0742	\$ 0.0843	\$ 0.0786	\$ 0.0720	\$ 0.0736	\$ 0.0740	\$ 0.0804	\$ 0.0854

Electric Avoided Energy Year 16 \$/kWh	Electric Avoided Energy Year 17 \$/kWh	Electric Avoided Energy Year 18 \$/kWh	Electric Avoided Energy Year 19 \$/kWh	Electric Avoided Energy Year 20 \$/kWh	Electric Avoided Energy Year 21 \$/kWh	Electric Avoided Energy Year 22 \$/kWh	Electric Avoided Energy Year 23 \$/kWh	Electric Avoided Energy Year 24 \$/kWh	Electric Avoided Energy Year 25 \$/kWh
\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
\$ 0.0911	\$ 0.0826	\$ 0.0857	\$ 0.0846	\$ 0.0900	\$ 0.0918	\$ 0.0898	\$ 0.0925	\$ 0.0982	\$ 0.0980
\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
\$ 0.0911	\$ 0.0826	\$ 0.0857	\$ 0.0846	\$ 0.0900	\$ 0.0918	\$ 0.0898	\$ 0.0925	\$ 0.0982	\$ 0.0980
\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
\$ 0.0911	\$ 0.0826	\$ 0.0857	\$ 0.0846	\$ 0.0900	\$ 0.0918	\$ 0.0898	\$ 0.0925	\$ 0.0982	\$ 0.0980
\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
\$ 0.0911	\$ 0.0826	\$ 0.0857	\$ 0.0846	\$ 0.0900	\$ 0.0918	\$ 0.0898	\$ 0.0925	\$ 0.0982	\$ 0.0980

