



## Appendix 1

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# Explanation of Capacity Estimates 2012

## **Load Management Programs**

### **Cool Keeper (Schedule 114)**

The kW savings of 115,443 (at generation) for the Cool Keeper program as reported in Table 3 is the capacity value assumed to be available for curtailment through the program at the system coincident peak; however, this value is not necessarily the level of curtailment achieved. To achieve this level of curtailable load, the ambient temperature in Utah across the program control area must be equal to or exceed 97 degrees Fahrenheit. At this temperature and above, participating air conditioners are assumed to contribute their maximum load available for control. To calculate program curtailable load, the average verified load capacity of participating units is multiplied by the number of active control switches available during a control event to arrive at the reported kilowatt contributions. The kW value for the Cool Keeper program provided in this report is based on the annual cumulative number of control switches available during the reporting year multiplied by the previous year's per unit performance results.

### **Irrigation Load Control (Schedules 96 and 96A)**

The kW savings of 34,956 (at generation) for the irrigation load control programs as reported in Table 3 is the capacity value assumed to be available for curtailment through the program at the system coincident peak. This value is calculated by aggregating the metered monthly demand of the participating irrigation pump sites (both scheduled and dispatchable). To achieve the reported value through a curtailment event, all participating pumps would need to be operating at capacity at the time of the curtailment event.

## **Energy Efficiency Programs**

The MW reported savings of 41.80 (at generation) for energy efficiency programs during 2012 represents the summation of estimated MW values made available through the Company's business and residential energy efficiency programs; calculations for the business and residential programs differ.

The Company's business programs MW contributions are based on engineering estimates of capacity values for installed measures; project unique factors are individually calculated for custom projects while deemed factors are utilized for prescriptive measures. These calculations are based on actual installed measures in the reported year. For 2012, it is calculated that 20.66 MW of capacity contribution were made available through business program energy efficiency acquisitions. Specific hours during which business program measures contribute MW capacity are dependent upon several factors including specific business operations and general economic conditions.

For the residential programs, energy to capacity factor is utilized to calculate the MW savings made available through these programs. The energy to capacity factor utilized in the calculation (1.79 MW in 2012 for each average MWh of energy efficiency acquired) is the same as the average load profile factor of energy efficiency resources selected in the 2011 IRP, i.e. the average peak contribution of the energy efficiency resource selections across all measures and sectors. The utilization of this factor in the MW calculation assumes that the energy efficiency

resources acquired through the Company's residential programs have the same average load profile as those energy efficiency resources selected in the 2011 IRP. Utilization of this factor in determining the MW contribution of energy efficiency programs for 2012 is detailed in the table below.

<b>Line</b>	<b>Description</b>	<b>Value</b>
1	First year EE program savings acquired during 2012	103,445
2	Average MW value (line 1 / 8760 hours)	11.8
3	Energy to capacity to factor	1.79
4	Peak MW contribution of 2012 EE acquisitions (line 2 x line 3)	21.14

As demonstrated, it is estimated that the residential energy efficiency program acquisitions in 2012 contributed 21.14 MW of capacity contribution. As with the business programs, when these savings occur on an hourly basis is dependent upon several factors including energy usage patterns of residential customers.

Together, the 20.66 MW's estimated for the business programs and the 21.14 MW's estimated for residential programs make up the 41.80 MW savings value of energy efficiency programs.



## Appendix 2

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### Utah Cost Effectiveness

## Table of Contents

Portfolio and Sector Level Cost Effectiveness .....	3
Program Level Cost Effectiveness .....	6
Cool Cash – Schedule 113 .....	6
Home Energy Savings Program – Schedule 111 .....	10
Refrigerator Recycling (See ya later, refrigerator®) – Schedule 117.....	14
New Homes – Schedule 110.....	17
Home Energy Reports.....	20
Low Income – Schedule 118.....	22
FinAnswer Express – Schedule 115 .....	23
Energy FinAnwer - Schedule 125.....	29
Recommissioning – Schedule 126.....	34
Self Direction – Schedule 192 .....	36

## Portfolio and Sector Level Cost Effectiveness

The overall energy efficiency and peak reduction portfolio and component sectors were all cost effective on a PacifiCorp Total Resource Cost Test (PTRC), Total Resource Cost Test (TRC), Utility Cost Test (UCT), Ratepayer Impact Test (RIM) and Participant Cost Test (PCT) basis.

Decrement values are considered confidential on load control programs. Cost effectiveness ratios and inputs will be available under a protective agreement. A “Pass” designation equates to a benefit to cost ratio of 1 or better.

The following table provides the results of all five cost effectiveness tests.

<b>2012 Portfolio and Sector Cost Effectiveness Summary</b>	<b>PTRC</b>	<b>TRC</b>	<b>UCT</b>	<b>RIM</b>	<b>PCT</b>
Total Portfolio including Portfolio Costs, and Load Control	2.32	2.11	2.16	1.12	3.16
Energy Efficiency Portfolio Including Portfolio Costs	2.20	2.00	3.14	0.84	2.82
C & I Energy Efficiency Portfolio	2.19	1.99	3.84	0.91	2.32
Residential Energy Efficiency Portfolio	2.49	2.62	2.51	0.74	4.33
Load Control Portfolio <sup>1</sup>	Pass	Pass	Pass	Pass	NA

### Sector and Program Level Cost Effectiveness Summaries:

The cost effectiveness results for the sector level are aggregations of the costs and benefits from the component programs. The inputs and assumptions that support these results are contained in the program level cost effectiveness results.

**Table 1: Common Inputs**

Parameter	Value
Discount Rate	7.17%
Residential Line Loss	9.32%
Commercial Line Loss	8.71%
Industrial Line Loss	5.85%
Residential Energy Rate (\$/kWh) (2012 base rate)	\$0.0998
Commercial Energy Rate (\$/kWh) (2012 base rate)	\$0.0785
Industrial Energy Rate (including Irrigation) (\$/kWh) (2012 base rate) <sup>2</sup>	\$0.0538

<sup>1</sup> Decrement values or avoided costs are considered confidential on load control programs. Cost effectiveness ratios and inputs will be available under a protective agreement. A “Pass” designation equates to a benefit to cost ratio of 1 or better.

<sup>2</sup> Future rates determined using a 1.8% annual escalator.

**Table 2: Portfolio Level Costs**

Program	Value
Outreach and Communication Campaign	\$1,830,065
U of U Ambassador Sponsorship	\$7,796
Prior/New Programs	(\$29,522)
Portfolio Technical Reference Library	\$47,600
Total	\$1,855,938

**Table 3: 2012 Total Portfolio Including Portfolio Costs, and Load Control**

	Levelized \$/kWh	Costs	Benefits	Net Benefits	Benefit/Cost Ratio
Total Resource Cost Test (PTRC) + Conservation Adder	NA	\$118,070,091	\$274,449,238	\$156,379,147	2.324
Total Resource Cost Test (TRC) No Adder	NA	\$118,070,091	\$249,499,308	\$131,429,217	2.113
Utility Cost Test (UCT)	NA	\$115,385,651	\$249,499,308	\$134,113,656	2.162
Rate Impact Test (RIM)		\$223,408,978	\$249,499,308	\$26,090,330	1.117
Participant Cost Test (PCT)		\$57,005,312	\$180,214,881	\$123,209,569	3.161
Lifecycle Revenue Impacts (\$/kWh)				(\$0.000054602)	

**Table 4: 2012 Energy Efficiency Portfolio Including Portfolio Costs**

	Levelized \$/kWh	Costs	Benefits	Net Benefits	Benefit/Cost Ratio
Total Resource Cost Test (PTRC) + Conservation Adder	0.0462	\$61,753,067	\$136,100,459	\$74,347,392	2.204
Total Resource Cost Test (TRC) No Adder	0.0462	\$61,753,067	\$123,727,690	\$61,974,623	2.004
Utility Cost Test (UCT)	0.0295	\$39,452,587	\$123,727,690	\$84,275,102	3.136
Rate Impact Test (RIM)		\$147,475,914	\$123,727,690	(\$23,748,224)	0.839
Participant Cost Test (PCT)		\$57,005,312	\$160,598,841	\$103,593,529	2.817
Lifecycle Revenue Impacts (\$/kWh)				\$0.000049700	

**Table 5: 2012 C&I Energy Efficiency Portfolio**

	Levelized \$/kWh	Costs	Benefits	Net Benefits	Benefit/Cost Ratio
Total Resource Cost Test (PTRC) + Conservation Adder	0.0445	\$42,796,324	\$93,557,237	\$50,760,913	2.186
Total Resource Cost Test (TRC) No Adder	0.0445	\$42,796,324	\$85,052,034	\$42,255,710	1.987
Utility Cost Test (UCT)	0.0231	\$22,172,736	\$85,052,034	\$62,879,298	3.836
Rate Impact Test (RIM)		\$93,299,502	\$85,052,034	(\$8,247,468)	0.912
Participant Cost Test (PCT)		\$42,932,189	\$99,607,113	\$56,674,925	2.320
Lifecycle Revenue Impacts (\$/kWh)				\$0.000029520	

**Table 6: 2012 Residential Energy Efficiency Portfolio**

	Levelized \$/kWh	Costs	Benefits	Net Benefits	Benefit/Cost Ratio
Total Resource Cost Test (PTRC) + Conservation Adder	0.0455	\$17,100,804	\$42,543,221	\$25,442,417	2.488
Total Resource Cost Test (TRC) No Adder	0.0455	\$17,100,804	\$38,675,656	\$21,574,851	2.262
Utility Cost Test (UCT)	0.0410	\$15,423,913	\$38,675,656	\$23,251,743	2.508
Rate Impact Test (RIM)		\$52,320,474	\$38,675,656	(\$13,644,818)	0.739
Participant Cost Test (PCT)		\$14,073,124	\$60,991,728	\$46,918,604	4.334
Lifecycle Revenue Impacts (\$/kWh)				\$0.000028556	



## Program Level Cost Effectiveness

### Cool Cash – Schedule 113

The tables below present the cost-effectiveness findings of the Utah Cool Cash program based on Rocky Mountain Power’s 2012 costs and savings estimates. The utility discount rate is from the 2011 PacifiCorp Integrated Resource Plan.

Cost-effectiveness was tested using the 2011 IRP 10% load factor east residential cooling decrement. Table 1 lists modeling inputs.

The program is cost-effective from the PTRC, TRC, UCT, and PCT perspectives.

**Table 1: Cool Cash Inputs**

Parameter	Value
Discount Rate	7.17%
Line Loss	9.32%
Residential Energy Rate (\$/kWh) (2012 base rate) <sup>3</sup>	\$0.0998

**Table 2: Cool Cash Annual Program Costs**

	Program Costs	Utility Admin	Evaluation	Incentives	Total Utility Costs	Net Participant Incremental Cost
Evaporative Cooler - Permanently Installed	\$41,192	\$1,790	\$5,282	\$82,050	\$130,314	(\$419,476)
Evaporative Cooler - Premium	\$100,385	\$4,363	\$12,873	\$395,750	\$513,371	(\$797,086)
Evaporative Cooler - Premium Ducted	\$4,216	\$183	\$541	\$32,000	\$36,940	(\$33,480)
Evaporative Cooler - Replacement	\$78,167	\$3,397	\$10,024	\$58,425	\$150,013	(\$617,958)
Central Air Conditioner Best Practice Installation	\$14,183	\$616	\$1,819	\$148,950	\$165,568	\$0
Central Air Conditioner Equipment	\$68,563	\$2,980	\$8,792	\$202,800	\$283,135	\$921,132
Central Air Conditioner Proper Sizing	\$34,359	\$1,493	\$4,406	\$72,675	\$112,934	\$0
Total	\$341,067	\$14,823	\$43,736	\$992,650	\$1,392,276	(\$946,868)

<sup>3</sup> Future rates determined using a 1.8% annual escalator.

**Table 3: Cool Cash Savings by Measure Type**

	Gross kWh Savings	Realization Rate	Adjusted Gross Savings	Net to Gross Percentage	Net kWh Savings	Measure Life
Evaporative Cooler - Permanently Installed	307,848	126%	387,888	76%	294,795	15
Evaporative Cooling - Premium	750,228	127%	952,790	79%	752,704	15
Evaporative Cooler - Premium Ducted	31,512	133%	41,911	79%	33,110	15
Evaporative Cooling - Replacements	584,184	121%	706,863	59%	417,049	15
Central Air Conditioner Best Practice Installation	105,999	90%	95,399	74%	70,595	15
Central Air Conditioner Equipment	512,408	90%	461,167	74%	341,264	10
Central Air Conditioner Proper Sizing	256,785	90%	231,107	74%	171,019	15
Total	2,548,964		2,877,124		2,080,535	

**Table 4: Cool Cash Program Level Cost-Effectiveness**

	Levelized \$/kWh	Costs	Benefits	Net Benefits	Benefit/Cost Ratio
Total Resource Cost Test (PTRC) + Conservation Adder	-	(\$547,242)	\$3,481,794	\$4,029,036	-
Total Resource Cost Test (TRC) No Adder	-	(\$547,242)	\$3,165,267	\$3,712,510	-
Utility Cost Test (UCT)	0.0658	\$1,392,276	\$3,165,267	\$1,772,991	2.273
Rate Impact Test (RIM)		\$3,527,433	\$3,165,267	(\$362,166)	0.897
Participant Cost Test (PCT)		(\$1,405,905)	\$3,948,214	\$5,354,119	-
Lifecycle Revenue Impacts (\$/kWh)				\$0.000001230	
Discounted Participant Payback (years)				NA	

**Table 5: Evaporative Cooling - Permanently Installed**

	Levelized \$/kWh	Costs	Benefits	Net Benefits	Benefit/Cost Ratio
Total Resource Cost Test (PTRC) + Conservation Adder	-	(\$371,212)	\$516,099	\$887,311	-
Total Resource Cost Test (TRC) No Adder	-	(\$371,212)	\$469,181	\$840,393	-
Utility Cost Test (UCT)	0.0419	\$130,314	\$469,181	\$338,867	3.600
Rate Impact Test (RIM)		\$445,904	\$469,181	\$23,277	1.052
Participant Cost Test (PCT)		(\$551,942)	\$497,300	\$1,049,242	-
Lifecycle Revenue Impacts (\$/kWh)				(\$0.000000079)	
Discounted Participant Payback (years)				NA	

**Table 6: Evaporative Cooling - Premium**

	Levelized \$/kWh	Costs	Benefits	Net Benefits	Benefit/Cost Ratio
Total Resource Cost Test (PTRC) + Conservation Adder	-	(\$679,466)	\$1,317,762	\$1,997,227	-
Total Resource Cost Test (TRC) No Adder	-	(\$679,466)	\$1,197,965	\$1,877,431	-
Utility Cost Test (UCT)	0.0646	\$513,371	\$1,197,965	\$684,595	2.334
Rate Impact Test (RIM)		\$1,319,169	\$1,197,965	(\$121,204)	0.908
Participant Cost Test (PCT)		(\$1,008,970)	\$1,415,748	\$2,424,718	-
Lifecycle Revenue Impacts (\$/kWh)				\$0.000000412	
Discounted Participant Payback (years)				NA	

**Table 7: Evaporative Cooling - Premium Ducted**

	Levelized \$/kWh	Costs	Benefits	Net Benefits	Benefit/Cost Ratio
Total Resource Cost Test (PTRC) + Conservation Adder	-	(\$28,540)	\$57,965	\$86,505	-
Total Resource Cost Test (TRC) No Adder	-	(\$28,540)	\$52,696	\$81,235	-
Utility Cost Test (UCT)	0.1057	\$36,940	\$52,696	\$15,755	1.427
Rate Impact Test (RIM)		\$72,386	\$52,696	(\$19,690)	0.728
Participant Cost Test (PCT)		(\$42,380)	\$76,867	\$119,247	-
Lifecycle Revenue Impacts (\$/kWh)				\$0.000000067	
Discounted Participant Payback (years)				NA	

**Table 8: Evaporative Cooling - Replacement**

	Levelized \$/kWh	Costs	Benefits	Net Benefits	Benefit/Cost Ratio
Total Resource Cost Test (PTRC) + Conservation Adder	-	(\$526,370)	\$730,129	\$1,256,499	-
Total Resource Cost Test (TRC) No Adder	-	(\$526,370)	\$663,754	\$1,190,123	-
Utility Cost Test (UCT)	0.0341	\$150,013	\$663,754	\$513,741	4.425
Rate Impact Test (RIM)		\$596,480	\$663,754	\$67,274	1.113
Participant Cost Test (PCT)		(\$1,047,386)	\$815,149	\$1,862,535	-
Lifecycle Revenue Impacts (\$/kWh)				(\$0.000000228)	
Discounted Participant Payback (years)				NA	

**Table 9: Central Air Conditioning - Best Practice Installation**

	Levelized \$/kWh	Costs	Benefits	Net Benefits	Benefit/Cost Ratio
Total Resource Cost Test (PTRC) + Conservation Adder	0.0223	\$16,618	\$123,592	\$106,973	7.437
Total Resource Cost Test (TRC) No Adder	0.0223	\$16,618	\$112,356	\$95,737	6.761
Utility Cost Test (UCT)	0.2222	\$165,568	\$112,356	(\$53,213)	0.679
Rate Impact Test (RIM)		\$241,144	\$112,356	(\$128,788)	0.466
Participant Cost Test (PCT)		\$0	\$251,078	\$251,078	-
Lifecycle Revenue Impacts (\$/kWh)				\$0.000000437	
Discounted Participant Payback (years)				NA	

**Table 10: Central Air Conditioning - Equipment**

	Levelized \$/kWh	Costs	Benefits	Net Benefits	Benefit/Cost Ratio
Total Resource Cost Test (PTRC) + Conservation Adder	0.3594	\$1,001,467	\$436,844	(\$564,623)	0.436
Total Resource Cost Test (TRC) No Adder	0.3594	\$1,001,467	\$397,131	(\$604,336)	0.397
Utility Cost Test (UCT)	0.1016	\$283,135	\$397,131	\$113,995	1.403
Rate Impact Test (RIM)		\$556,335	\$397,131	(\$159,204)	0.714
Participant Cost Test (PCT)		\$1,244,773	\$571,988	(\$672,784)	0.460
Lifecycle Revenue Impacts (\$/kWh)				\$0.000000746	
Discounted Participant Payback (years)				NA	

**Table 11: Central Air Conditioning – Proper Sizing**

	Levelized \$/kWh	Costs	Benefits	Net Benefits	Benefit/Cost Ratio
Total Resource Cost Test (PTRC) + Conservation Adder	0.0223	\$40,259	\$299,403	\$259,145	7.437
Total Resource Cost Test (TRC) No Adder	0.0223	\$40,259	\$272,185	\$231,926	6.761
Utility Cost Test (UCT)	0.0626	\$112,934	\$272,185	\$159,251	2.410
Rate Impact Test (RIM)		\$296,016	\$272,185	(\$23,831)	0.919
Participant Cost Test (PCT)		\$0	\$320,083	\$320,083	-
Lifecycle Revenue Impacts (\$/kWh)				\$0.000000081	
Discounted Participant Payback (years)				NA	

## Home Energy Savings Program – Schedule 111

The tables below present the cost-effectiveness findings of the Utah Home Energy Savings program based on Rocky Mountain Power’s 2012 costs and savings estimates. The Utility discount rate is from the 2011 Integrated Resource Plan (IRP).

Cost-effectiveness was tested using the 2011 load factor east residential decrements. Table 1 lists modeling inputs.

The program is cost-effective from the PTRC, TRC, UCT and PCT perspectives.

**Table 1: Home Energy Savings Inputs**

Parameter	Value
Discount Rate	7.17%
Residential Line Loss	9.32%
Residential Energy Rate (\$/kWh) (2012 base rate) <sup>4</sup>	\$0.0998

**Table 2: Home Energy Savings Annual Program Costs**

	Program Costs	Utility Admin	Incentives	Total Utility Costs	Net Participant Incremental Cost
HVAC	\$1,176,258	\$136,226	\$710,735	\$2,023,219	\$1,183,801
Appliance	\$592,823	\$68,656	\$510,197	\$1,171,676	\$591,202
Weatherization	\$1,188,502	\$137,644	\$1,932,615	\$3,258,761	\$3,193,837
Lighting	\$239,337	\$27,718	\$3,007,509	\$3,274,564	\$4,946,919
Total	\$3,196,920	\$370,244	\$6,161,056	\$9,728,220	\$9,915,759

**Table 3: Home Energy Savings by Measure Type**

	Gross kWh Savings	Realization Rate	Adjusted Gross Savings	Net to Gross Percentage	Net kWh Savings	Measure Life
HVAC	2,514,762	0.85	2,137,547	88%	1,881,042	20
Appliance	1,267,415	1.63	2,065,886	88%	1,817,980	15
Weatherization	2,540,938	1.62	4,116,320	88%	3,622,362	30
Lighting	59,635,688	0.99	59,039,331	58%	34,242,812	5
Total	65,958,803		67,359,085		41,564,195	

<sup>4</sup> Future rates determined using a 1.8% annual escalator.

**Table 4: Home Energy Savings Program Cost-Effectiveness Results**

	Levelized \$/kWh	Costs	Benefits	Net Benefits	Benefit/Cost Ratio
Total Resource Cost Test (PTRC) + Conservation Adder	0.0523	\$13,482,923	\$29,826,271	\$16,343,349	2.212
Total Resource Cost Test (TRC) No Adder	0.0523	\$13,482,923	\$27,114,792	\$13,631,870	2.011
Utility Cost Test (UCT)	0.0377	\$9,728,220	\$27,114,792	\$17,386,573	2.787
Rate Impact Test (RIM)		\$35,234,098	\$27,114,792	(\$8,119,305)	0.770
Participant Cost Test (PCT)		\$14,175,580	\$44,231,090	\$30,055,510	3.120
Lifecycle Revenue Impacts (\$/kWh)				\$0.000016992	
Discounted Participant Payback (years)				1.20	

**Table 5: HVAC (2011 IRP East Residential Cooling 10% Medium LF Decrement)**

	Levelized \$/kWh	Costs	Benefits	Net Benefits	Benefit/Cost Ratio
Total Resource Cost Test (PTRC) + Conservation Adder	0.1084	\$2,496,285	\$4,010,377	\$1,514,093	1.607
Total Resource Cost Test (TRC) No Adder	0.1084	\$2,496,285	\$3,645,798	\$1,149,513	1.460
Utility Cost Test (UCT)	0.0878	\$2,023,219	\$3,645,798	\$1,622,579	1.802
Rate Impact Test (RIM)		\$4,428,705	\$3,645,798	(\$782,907)	0.823
Participant Cost Test (PCT)		\$1,345,228	\$3,444,241	\$2,099,013	2.560
Lifecycle Revenue Impacts (\$/kWh)				\$0.000002156	
Discounted Participant Payback (years)				3.14	

**Table 6: Appliance (2011 IRP East Residential Whole House 35% Medium LF Decrement)**

	Levelized \$/kWh	Costs	Benefits	Net Benefits	Benefit/Cost Ratio
Total Resource Cost Test (PTRC) + Conservation Adder	0.0646	\$1,252,680	\$1,930,883	\$678,203	1.541
Total Resource Cost Test (TRC) No Adder	0.0646	\$1,252,680	\$1,755,348	\$502,668	1.401
Utility Cost Test (UCT)	0.0604	\$1,171,676	\$1,755,348	\$583,672	1.498
Rate Impact Test (RIM)		\$3,142,191	\$1,755,348	(\$1,386,842)	0.559
Participant Cost Test (PCT)		\$671,820	\$2,749,418	\$2,077,598	4.092
Lifecycle Revenue Impacts (\$/kWh)				\$0.000004486	
Discounted Participant Payback (years)				0.94	

**Table 7: Weatherization (2011 IRP East Residential Cooling 10% Medium LF Decrement)**

	Levelized \$/kWh	Costs	Benefits	Net Benefits	Benefit/Cost Ratio
Total Resource Cost Test (PTRC) + Conservation Adder	0.0873	\$4,519,983	\$9,768,423	\$5,248,440	2.161
Total Resource Cost Test (TRC) No Adder	0.0873	\$4,519,983	\$8,880,384	\$4,360,401	1.965
Utility Cost Test (UCT)	0.0629	\$3,258,761	\$8,880,384	\$5,621,624	2.725
Rate Impact Test (RIM)		\$8,930,184	\$8,880,384	(\$49,800)	0.994
Participant Cost Test (PCT)		\$3,629,361	\$8,377,414	\$4,748,054	2.308
Lifecycle Revenue Impacts (\$/kWh)				\$0.000000104	
Discounted Participant Payback (years)				4.52	

**Table 8: Lighting (2011 IRP East Residential Lighting 48% Medium LF Decrement)**

	Levelized \$/kWh	Costs	Benefits	Net Benefits	Benefit/Cost Ratio
Total Resource Cost Test (PTRC) + Conservation Adder	0.0318	\$5,213,975	\$14,116,589	\$8,902,614	2.707
Total Resource Cost Test (TRC) No Adder	0.0318	\$5,213,975	\$12,833,262	\$7,619,288	2.461
Utility Cost Test (UCT)	0.0200	\$3,274,564	\$12,833,262	\$9,558,698	3.919
Rate Impact Test (RIM)		\$18,733,018	\$12,833,262	(\$5,899,756)	0.685
Participant Cost Test (PCT)		\$8,529,171	\$29,660,016	\$21,130,845	3.477
Lifecycle Revenue Impacts (\$/kWh)				\$0.000050138	
Discounted Participant Payback (years)				0.96	



## Refrigerator Recycling (See ya later, refrigerator®) – Schedule 117

The tables below present the cost-effectiveness findings of the See ya later, refrigerator® program based on Rocky Mountain Power’s 2012 costs and savings estimates. The Utility discount rate is from the 2011 Integrated Resource Plan (IRP).

Cost-effectiveness was tested using the 2011 IRP 35% load factor east residential whole house decrement. Table 1 lists modeling inputs.

The program is cost-effective from the PTRC, TRC, UCT, and PCT perspectives.

**Table 1: See-Ya-Later Refrigerator Inputs**

Parameter	Value
Discount Rate	7.17%
Residential Line Loss	9.32%
Residential Energy Rate (\$/kWh) (2012 base rate) <sup>5</sup>	\$0.0998

**Table 2: See-Ya-Later Refrigerator Annual Program Costs**

	Program Costs	Utility Admin	Evaluation	Incentives	Total Utility Costs
Refrigerators	\$933,676	\$56,666	(\$64,293)	\$285,150	\$1,211,198
Freezers	\$163,009	\$9,893	(\$11,225)	\$68,580	\$230,258
Kits	\$71,975	\$4,368	(\$4,956)	\$65,248	\$136,634
Total	\$1,168,660	\$70,927	(\$80,474)	\$418,978	\$1,578,090

**Table 3: See-Ya-Later Refrigerator Savings by Measure Type**

	Gross kWh Savings	Realization Rate	Adjusted Gross Savings	Net to Gross Percentage	Net kWh Savings	Measure Life
Refrigerators	11,548,575	100%	11,548,575	78%	9,054,083	6
Freezers	2,016,252	100%	2,016,252	66%	1,336,775	9
Kits	890,251	100%	890,251	100%	890,251	5
Total	14,455,078		14,455,078		11,281,109	

<sup>5</sup> Future rates determined using a 1.8% annual escalator.

**Table 4: See-Ya-Later Refrigerator Program Cost-Effectiveness Results**

	Levelized \$/kWh	Costs	Benefits	Net Benefits	Benefit/Cost Ratio
Total Resource Cost Test (PTRC) + Conservation Adder	0.0179	\$1,159,112	\$5,753,153	\$4,594,041	4.963
Total Resource Cost Test (TRC) No Adder	0.0179	\$1,159,112	\$5,230,140	\$4,071,027	4.512
Utility Cost Test (UCT)	0.0244	\$1,578,090	\$5,230,140	\$3,652,050	3.314
Rate Impact Test (RIM)		\$7,752,411	\$5,230,140	(\$2,522,271)	0.675
Participant Cost Test (PCT)		\$0	\$8,413,231	\$8,413,231	-
Lifecycle Revenue Impacts (\$/kWh)				\$0.000012892	
Discounted Participant Payback (years)				NA	

**Table 5: See-Ya-Later Refrigerator - Refrigerators Cost-Effectiveness Results**

	Levelized \$/kWh	Costs	Benefits	Net Benefits	Benefit/Cost Ratio
Total Resource Cost Test (PTRC) + Conservation Adder	0.0184	\$926,048	\$4,441,528	\$3,515,480	4.796
Total Resource Cost Test (TRC) No Adder	0.0184	\$926,048	\$4,037,753	\$3,111,704	4.360
Utility Cost Test (UCT)	0.0241	\$1,211,198	\$4,037,753	\$2,826,554	3.334
Rate Impact Test (RIM)		\$5,997,443	\$4,037,753	(\$1,959,690)	0.673
Participant Cost Test (PCT)		\$0	\$6,390,054	\$6,390,054	-
Lifecycle Revenue Impacts (\$/kWh)				\$0.000014176	
Discounted Participant Payback (years)				NA	

**Table 6: See-Ya-Later Refrigerator – Freezers Cost-Effectiveness Results**

	Levelized \$/kWh	Costs	Benefits	Net Benefits	Benefit/Cost Ratio
Total Resource Cost Test (PTRC) + Conservation Adder	0.0160	\$161,677	\$937,276	\$775,599	5.797
Total Resource Cost Test (TRC) No Adder	0.0160	\$161,677	\$852,069	\$690,392	5.270
Utility Cost Test (UCT)	0.0227	\$230,257	\$852,069	\$621,812	3.701
Rate Impact Test (RIM)		\$1,216,442	\$852,069	(\$364,373)	0.700
Participant Cost Test (PCT)		\$0	\$1,556,038	\$1,556,038	-
Lifecycle Revenue Impacts (\$/kWh)				\$0.000001862	
Discounted Participant Payback (years)				NA	

**Table 7: See-Ya-Later Refrigerator - Kits Cost-Effectiveness Results**

	Levelized \$/kWh	Costs	Benefits	Net Benefits	Benefit/Cost Ratio
Total Resource Cost Test (PTRC) + Conservation Adder	0.0168	\$71,387	\$374,349	\$302,962	5.244
Total Resource Cost Test (TRC) No Adder	0.0168	\$71,387	\$340,318	\$268,931	4.767
Utility Cost Test (UCT)	0.0321	\$136,634	\$340,318	\$203,683	2.491
Rate Impact Test (RIM)		\$538,526	\$340,318	(\$198,209)	0.632
Participant Cost Test (PCT)		\$0	\$467,139	\$467,139	-
Lifecycle Revenue Impacts (\$/kWh)				\$0.000001684	
Discounted Participant Payback (years)				NA	

## New Homes – Schedule 110

The tables below present the cost-effectiveness findings of the Utah New Homes program based on Rocky Mountain Power’s 2012 costs and savings estimates. The utility discount rate is from the 2011 PacifiCorp Integrated Resource Plan. Tables 1-3 list the modeling inputs.

Cost-effectiveness was tested on four scenarios.

1. Option 1: 2011 IRP 35% load factor east residential whole house decrement (Table 4).
2. Option 1: 2007 IRP 46% load factor east residential whole house decrement (Table 5).
3. Option 2: 2011 IRP 35% load factor east residential whole house decrement (Table 6).
4. Option 2: 2007 IRP 46% load factor east residential whole house decrement (Table 7).

For scenarios 1,2, and 4, the program is cost-effective from the PCT perspective only. For scenario 3, the program is cost-effective from the PTRC, UCT, and PCT perspectives.

**Table 1: New Homes Inputs**

Parameter	Value
Discount Rate	7.17%
Residential Line Loss	9.32%
Residential Energy Rate (\$/kWh) (2012 base rate) <sup>6</sup>	\$0.0998

**Table 2: New Homes Annual Program Costs**

	Program Costs	Utility Admin	Evaluation	Incentives	Total Utility Costs	Net Participant Incremental Cost
Option 1	\$999,085	\$54,571	\$198,662	\$762,075	\$2,014,394	\$1,042,759
Option 2	\$950,097	\$43,014	\$2,065	\$762,075	\$1,757,251	\$1,042,759

<sup>6</sup> Future rates determined using a 1.8% annual escalator.

**Table 3: New Homes Savings by Measure Type**

	Gross kWh Savings	Realization Rate	Adjusted Gross Savings	Net to Gross Percentage	Net kWh Savings	Measure Life
Option 1	2,964,656	90%	2,668,190	80%	2,134,552	10
Option 2	2,964,656	90%	2,668,190	80%	2,134,552	10

**Table 4: New Homes Option 1 with 2011 IRP 35% Load Factor Decrement**

	Levelized \$/kWh	Costs	Benefits	Net Benefits	Benefit/Cost Ratio
Total Resource Cost Test (PTRC) + Conservation Adder	0.1329	\$2,295,078	\$2,213,626	(\$81,452)	0.965
Total Resource Cost Test (TRC) No Adder	0.1329	\$2,295,078	\$2,012,387	(\$282,691)	0.877
Utility Cost Test (UCT)	0.1167	\$2,014,394	\$2,012,387	(\$2,007)	0.999
Rate Impact Test (RIM)		\$3,706,180	\$2,012,387	(\$1,693,793)	0.543
Participant Cost Test (PCT)		\$1,303,449	\$2,876,808	\$1,573,359	2.207
Lifecycle Revenue Impacts (\$/kWh)				\$0.000007932	
Discounted Participant Payback (years)				2.09	

**Table 5: New Homes Option 1 with 2007 IRP 46% Load Factor Decrement**

	Levelized \$/kWh	Costs	Benefits	Net Benefits	Benefit/Cost Ratio
Total Resource Cost Test (PTRC) + Conservation Adder	0.1329	\$2,295,078	\$1,827,052	(\$468,026)	0.796
Total Resource Cost Test (TRC) No Adder	0.1329	\$2,295,078	\$1,660,957	(\$634,121)	0.724
Utility Cost Test (UCT)	0.1167	\$2,014,394	\$1,660,957	(\$353,437)	0.825
Rate Impact Test (RIM)		\$3,706,180	\$1,660,957	(\$2,045,224)	0.448
Participant Cost Test (PCT)		\$1,303,449	\$2,876,808	\$1,573,359	2.207
Lifecycle Revenue Impacts (\$/kWh)				\$0.000009578	
Discounted Participant Payback (years)				2.09	

**Table 6: New Homes Option 2 with 2011 IRP 35% Load Factor Decrement**

	Levelized \$/kWh	Costs	Benefits	Net Benefits	Benefit/Cost Ratio
Total Resource Cost Test (PTRC) + Conservation Adder	0.1180	\$2,037,935	\$2,213,626	\$175,690	1.086
Total Resource Cost Test (TRC) No Adder	0.1180	\$2,037,935	\$2,012,387	(\$25,548)	0.987
Utility Cost Test (UCT)	0.1018	\$1,757,251	\$2,012,387	\$255,136	1.145
Rate Impact Test (RIM)		\$3,449,038	\$2,012,387	(\$1,436,651)	0.583
Participant Cost Test (PCT)		\$1,303,449	\$2,876,808	\$1,573,359	2.207
Lifecycle Revenue Impacts (\$/kWh)				\$0.000006728	
Discounted Participant Payback (years)				2.09	

**Table 7: New Homes Option 2 with 2007 IRP 46% Load Factor Decrement**

	Levelized \$/kWh	Costs	Benefits	Net Benefits	Benefit/Cost Ratio
Total Resource Cost Test (PTRC) + Conservation Adder	0.1180	\$2,037,935	\$1,827,052	(\$210,883)	0.897
Total Resource Cost Test (TRC) No Adder	0.1180	\$2,037,935	\$1,660,957	(\$376,979)	0.815
Utility Cost Test (UCT)	0.1018	\$1,757,251	\$1,660,957	(\$96,294)	0.945
Rate Impact Test (RIM)		\$3,449,038	\$1,660,957	(\$1,788,081)	0.482
Participant Cost Test (PCT)		\$1,303,449	\$2,876,808	\$1,573,359	2.207
Lifecycle Revenue Impacts (\$/kWh)				\$0.000008374	
Discounted Participant Payback (years)				2.09	

## Home Energy Reports

The tables below present the cost-effectiveness findings of the Utah Home Energy Reports program based on Rocky Mountain Power's 2012 costs and savings estimates. The utility discount rate is from the 2011 PacifiCorp Integrated Resource Plan.

Cost-effectiveness was tested using the 2011 IRP 35% load factor east residential whole house decrement. Table 1 lists modeling inputs.

The program is cost-effective from the PTRC, TRC, UCT, and PCT perspectives.

**Table 1: Home Energy Reports Inputs**

Parameter	Value
Discount Rate	7.17%
Residential Line Loss	9.32%
Residential Energy Rate (\$/kWh) (2012 base rate) <sup>7</sup>	\$0.0998

**Table 2: Home Energy Reports Annual Program Costs**

	Program Costs	Utility Admin	Evaluation	Incentives	Total Utility Costs
Home Energy Reports	\$363,560	\$35,859	\$134,687	\$0	\$534,106

**Table 3: Home Energy Reports Savings by Measure Type**

	Gross kWh Savings	Realization Rate	Adjusted Gross Savings	Net to Gross Percentage	Net kWh Savings	Measure Life
Home Energy Reports	7,859,888	100%	7,859,888	100%	7,859,888	1

<sup>7</sup> Future rates determined using a 1.8% annual escalator.

**Table 4: Home Energy Reports Cost-Effectiveness Results**

	Levelized \$/kWh	Costs	Benefits	Net Benefits	Benefit/Cost Ratio
Total Resource Cost Test (PTRC) + Conservation Adder	0.0622	\$534,106	\$671,187	\$137,080	1.257
Total Resource Cost Test (TRC) No Adder	0.0622	\$534,106	\$610,170	\$76,063	1.142
Utility Cost Test (UCT)	0.0622	\$534,106	\$610,170	\$76,063	1.142
Rate Impact Test (RIM)		\$1,318,523	\$610,170	(\$708,353)	0.463
Participant Cost Test (PCT)		\$0	\$784,417	\$784,417	-
Lifecycle Revenue Impacts (\$/kWh)				\$0.000027711	
Discounted Participant Payback (years)				NA	



## Low Income – Schedule 118

The tables below present the cost-effectiveness findings of the Utah Low Income Weatherization program based on Rocky Mountain Power’s 2012 costs and savings estimates. The utility discount rate is from the 2011 PacifiCorp Integrated Resource Plan.

Cost-effectiveness was tested using the 2011 IRP 35% load factor east residential whole house decrement. Table 1 lists modeling inputs.

The program is cost-effective from the PTRC, TRC, UCT, and PCT perspectives.

**Table 1: Low Income Weatherization Inputs**

Parameter	Value
Discount Rate	7.17%
Residential Line Loss	9.32%
Residential Energy Rate (\$/kWh) (2012 base rate) <sup>8</sup>	\$0.0998

**Table 2: Low Income Weatherization Annual Program Costs**

	Program Costs	Utility Admin	Evaluation	Incentives	Total Utility Costs
Low Income Weatherization	\$11,234	\$18,869	\$13,759	\$132,966	\$176,828

**Table 3: Low Income Weatherization Savings by Measure Type**

	Gross kWh Savings	Realization Rate	Adjusted Gross Savings	Net to Gross Percentage	Net kWh Savings	Measure Life
Low Income Weatherization	840,349	80%	672,279	100%	672,279	11.7

**Table 4: Low Income Weatherization Cost-Effectiveness Results**

	Levelized \$/kWh	Costs	Benefits	Net Benefits	Benefit/Cost Ratio
Total Resource Cost Test (PTRC) + Conservation Adder	0.0290	\$176,828	\$597,190	\$420,363	3.377
Total Resource Cost Test (TRC) No Adder	0.0290	\$176,828	\$542,900	\$366,073	3.070
Utility Cost Test (UCT)	0.0290	\$176,828	\$542,900	\$366,073	3.070
Rate Impact Test (RIM)		\$781,829	\$542,900	(\$238,929)	0.694
Participant Cost Test (PCT)		\$0	\$737,968	\$737,968	NA
Lifecycle Revenue Impacts (\$/kWh)				\$0.000000965	
Discounted Participant Payback (years)				NA	

<sup>8</sup> Future rates determined using a 1.8% annual escalator.

## FinAnswer Express – Schedule 115

The tables below present the cost-effectiveness findings of the Utah FinAnswer Express program based on Rocky Mountain Power’s 2012 costs and savings estimates. The utility discount rate is from the 2011 PacifiCorp Integrated Resource Plan.

Cost-effectiveness was tested using the 2011 IRP 69% load factor east system decrement. Table 1 lists modeling inputs.

The program is cost-effective from PTRC, TRC, UTC and PCT perspectives.

**Table 1: FinAnswer Express Inputs**

Parameter	Value
Discount Rate	7.17%
Commercial Line Loss	8.71%
Industrial Line Loss	5.85%
Commercial Energy Rate (\$/kWh) (2012 base rate)	\$0.0785
Industrial Energy Rate—including Irrigation (\$/kWh) (2012 base rate) <sup>9</sup>	\$0.0538

**Table 2: FinAnswer Express Annual Program Costs**

	Marketing	Program Costs	Utility Admin	Engineering Costs	Incentives	Total Utility Costs	Net Participant Incremental Cost
Building Shell	\$5,687	\$20,779	\$4,242	\$9,938	\$130,647	\$171,292	\$360,756
Compressed Air	\$514	\$1,879	\$384	\$898	\$6,647	\$10,322	\$19,050
Controls	\$16	\$59	\$12	\$28	\$150	\$265	\$435
Dairy Farm Equipment	\$140	\$511	\$104	\$244	\$1,827	\$2,826	\$4,732
Food Service	\$2,422	\$8,849	\$1,807	\$4,232	\$18,495	\$35,804	\$191,630
HVAC	\$41,645	\$152,170	\$31,065	\$72,775	\$431,558	\$729,212	\$1,047,606
Irrigation	\$2,586	\$9,448	\$1,929	\$4,519	\$17,675	\$36,156	\$56,979
Lighting	\$416,337	\$1,521,301	\$310,570	\$727,558	\$3,703,624	\$6,679,389	\$12,364,957
Motors	\$3,016	\$11,020	\$2,250	\$5,270	\$24,671	\$46,227	\$54,662
Office	\$9	\$34	\$7	\$16	\$120	\$186	\$126
Total	\$472,371	\$1,726,049	\$352,369	\$825,478	\$4,335,413	\$7,711,680	\$14,100,935

<sup>9</sup> Future rates determined using a 1.8% annual escalator.

**Table 3: FinAnswer Express Savings by Measure Type**

	Gross kWh Savings	Realization Rate	Adjusted Gross Savings	Net to Gross Percentage	Net kWh Savings	Measure Life
Building Shell	431,154	100%	431,154	79%	340,612	14
Compressed Air	44,806	87%	38,981	79%	30,795	14
Controls	1,400	87%	1,218	79%	962	14
Dairy Farm Equipment	12,180	87%	10,597	79%	8,371	14
Food Service	211,049	87%	183,613	79%	145,054	14
HVAC	4,783,975	66%	3,157,424	79%	2,494,365	14
Irrigation	225,337	87%	196,043	79%	154,874	14
Lighting	35,870,410	88%	31,565,961	79%	24,937,109	14
Motors	278,857	82%	228,663	79%	180,644	14
Office	800	87%	696	79%	550	14
Total	41,859,968		35,814,349		28,293,335	

**Table 4: FinAnswer Express Program Level Cost-Effectiveness Results**

	Levelized \$/kWh	Costs	Benefits	Net Benefits	Benefit/Cost Ratio
Total Resource Cost Test (PTRC) + Conservation Adder	0.0615	\$17,477,201	\$29,029,891	\$11,552,690	1.661
Total Resource Cost Test (TRC) No Adder	0.0615	\$17,477,201	\$26,390,810	\$8,913,609	1.510
Utility Cost Test (UCT)	0.0271	\$7,711,680	\$26,390,810	\$18,679,131	3.422
Rate Impact Test (RIM)		\$29,473,970	\$26,390,810	(\$3,083,159)	0.895
Participant Cost Test (PCT)		\$17,849,284	\$31,882,616	\$14,033,331	1.786
Lifecycle Revenue Impacts (\$/kWh)				\$0.000011035	
Discounted Participant Payback (years)				5.65	

**Table 5: Building Shell**

	Levelized \$/kWh	Costs	Benefits	Net Benefits	Benefit/Cost Ratio
Total Resource Cost Test (PTRC) + Conservation Adder	0.1173	\$401,402	\$346,248	(\$55,153)	0.863
Total Resource Cost Test (TRC) No Adder	0.1173	\$401,402	\$314,771	(\$86,630)	0.784
Utility Cost Test (UCT)	0.0500	\$171,292	\$314,771	\$143,479	1.838
Rate Impact Test (RIM)		\$433,279	\$314,771	(\$118,508)	0.726
Participant Cost Test (PCT)		\$456,653	\$462,276	\$5,623	1.012
Lifecycle Revenue Impacts (\$/kWh)				\$0.000000424	
Discounted Participant Payback (years)				13.66	

**Table 6: Compressed Air**

	Levelized \$/kWh	Costs	Benefits	Net Benefits	Benefit/Cost Ratio
Total Resource Cost Test (PTRC) + Conservation Adder	0.0734	\$22,725	\$27,709	\$4,984	1.219
Total Resource Cost Test (TRC) No Adder	0.0734	\$22,725	\$25,190	\$2,465	1.108
Utility Cost Test (UCT)	0.0334	\$10,322	\$25,190	\$14,867	2.440
Rate Impact Test (RIM)		\$34,009	\$25,190	(\$8,819)	0.741
Participant Cost Test (PCT)		\$24,114	\$36,630	\$12,516	1.519
Lifecycle Revenue Impacts (\$/kWh)				\$0.000000032	
Discounted Participant Payback (years)				6.91	

**Table 7: Controls**

	Levelized \$/kWh	Costs	Benefits	Net Benefits	Benefit/Cost Ratio
Total Resource Cost Test (PTRC) + Conservation Adder	0.0568	\$549	\$866	\$316	1.576
Total Resource Cost Test (TRC) No Adder	0.0568	\$549	\$787	\$238	1.433
Utility Cost Test (UCT)	0.0274	\$265	\$787	\$522	2.972
Rate Impact Test (RIM)		\$1,005	\$787	(\$218)	0.783
Participant Cost Test (PCT)		\$550	\$1,087	\$537	1.976
Lifecycle Revenue Impacts (\$/kWh)				\$0.000000001	
Discounted Participant Payback (years)				4.81	

**Table 8: Dairy Farm Equipment**

	Levelized \$/kWh	Costs	Benefits	Net Benefits	Benefit/Cost Ratio
Total Resource Cost Test (PTRC) + Conservation Adder	0.0681	\$5,731	\$7,532	\$1,801	1.314
Total Resource Cost Test (TRC) No Adder	0.0681	\$5,731	\$6,847	\$1,116	1.195
Utility Cost Test (UCT)	0.0336	\$2,826	\$6,847	\$4,022	2.423
Rate Impact Test (RIM)		\$9,265	\$6,847	(\$2,417)	0.739
Participant Cost Test (PCT)		\$5,991	\$9,978	\$3,987	1.666
Lifecycle Revenue Impacts (\$/kWh)				\$0.000000009	
Discounted Participant Payback (years)				5.91	

**Table 9: Food Service**

	Levelized \$/kWh	Costs	Benefits	Net Benefits	Benefit/Cost Ratio
Total Resource Cost Test (PTRC) + Conservation Adder	0.1433	\$208,940	\$141,126	(\$67,814)	0.675
Total Resource Cost Test (TRC) No Adder	0.1433	\$208,940	\$128,296	(\$80,644)	0.614
Utility Cost Test (UCT)	0.0246	\$35,804	\$128,296	\$92,492	3.583
Rate Impact Test (RIM)		\$147,375	\$128,296	(\$19,079)	0.871
Participant Cost Test (PCT)		\$242,570	\$159,724	(\$82,847)	0.658
Lifecycle Revenue Impacts (\$/kWh)				\$0.000000068	
Discounted Participant Payback (years)				NA	

**Table 10: HVAC**

	Levelized \$/kWh	Costs	Benefits	Net Benefits	Benefit/Cost Ratio
Total Resource Cost Test (PTRC) + Conservation Adder	0.0537	\$1,345,261	\$2,535,643	\$1,190,383	1.885
Total Resource Cost Test (TRC) No Adder	0.0537	\$1,345,261	\$2,305,130	\$959,870	1.714
Utility Cost Test (UCT)	0.0291	\$729,212	\$2,305,130	\$1,575,918	3.161
Rate Impact Test (RIM)		\$2,647,794	\$2,305,130	(\$342,664)	0.871
Participant Cost Test (PCT)		\$1,326,084	\$2,860,142	\$1,534,059	2.157
Lifecycle Revenue Impacts (\$/kWh)				\$0.000001226	
Discounted Participant Payback (years)				4.08	

**Table 11: Irrigation**

	Levelized \$/kWh	Costs	Benefits	Net Benefits	Benefit/Cost Ratio
Total Resource Cost Test (PTRC) + Conservation Adder	0.0485	\$75,460	\$155,850	\$80,390	2.065
Total Resource Cost Test (TRC) No Adder	0.0485	\$75,460	\$141,682	\$66,222	1.878
Utility Cost Test (UCT)	0.0232	\$36,156	\$141,682	\$105,526	3.919
Rate Impact Test (RIM)		\$155,280	\$141,682	(\$13,598)	0.912
Participant Cost Test (PCT)		\$72,125	\$168,465	\$96,340	2.336
Lifecycle Revenue Impacts (\$/kWh)				\$0.000000049	
Discounted Participant Payback (years)				3.99	

**Table 12: Lighting**

	Levelized \$/kWh	Costs	Benefits	Net Benefits	Benefit/Cost Ratio
Total Resource Cost Test (PTRC) + Conservation Adder	0.0612	\$15,340,723	\$25,651,841	\$10,311,118	1.672
Total Resource Cost Test (TRC) No Adder	0.0612	\$15,340,723	\$23,319,855	\$7,979,133	1.520
Utility Cost Test (UCT)	0.0267	\$6,679,389	\$23,319,855	\$16,640,467	3.491
Rate Impact Test (RIM)		\$25,860,181	\$23,319,855	(\$2,540,326)	0.902
Participant Cost Test (PCT)		\$15,651,845	\$27,983,108	\$12,331,263	1.788
Lifecycle Revenue Impacts (\$/kWh)				\$0.000009092	
Discounted Participant Payback (years)				5.67	

**Table 13: Motors**

	Levelized \$/kWh	Costs	Benefits	Net Benefits	Benefit/Cost Ratio
Total Resource Cost Test (PTRC) + Conservation Adder	0.0420	\$76,219	\$162,537	\$86,318	2.133
Total Resource Cost Test (TRC) No Adder	0.0420	\$76,219	\$147,761	\$71,542	1.939
Utility Cost Test (UCT)	0.0255	\$46,227	\$147,761	\$101,534	3.196
Rate Impact Test (RIM)		\$185,172	\$147,761	(\$37,411)	0.798
Participant Cost Test (PCT)		\$69,193	\$200,551	\$131,358	2.898
Lifecycle Revenue Impacts (\$/kWh)				\$0.000000134	
Discounted Participant Payback (years)				2.71	

**Table 14: Office**

	Levelized \$/kWh	Costs	Benefits	Net Benefits	Benefit/Cost Ratio
Total Resource Cost Test (PTRC) + Conservation Adder	0.0347	\$192	\$539	\$347	2.806
Total Resource Cost Test (TRC) No Adder	0.0347	\$192	\$490	\$298	2.551
Utility Cost Test (UCT)	0.0336	\$186	\$490	\$304	2.639
Rate Impact Test (RIM)		\$609	\$490	(\$119)	0.805
Participant Cost Test (PCT)		\$160	\$655	\$495	4.096
Lifecycle Revenue Impacts (\$/kWh)				\$0.000000000	
Discounted Participant Payback (years)				0.93	

## Energy FinAnswer - Schedule 125

The tables below present the cost-effectiveness findings of the Utah Energy FinAnswer program based on Rocky Mountain Power's 2012 costs and savings estimates. The utility discount rate is from the 2011 PacifiCorp Integrated Resource Plan.

Cost-effectiveness was tested using the 2011 IRP 69% load factor east system decrement. Table 1 lists modeling inputs.

The program is cost-effective from PTRC, TRC, UTC and PCT perspectives.

**Table 1: Energy FinAnswer Inputs**

Parameter	Value
Discount Rate	7.17%
Commercial Line Loss	8.71%
Industrial Line Loss	5.85%
Commercial Energy Rate (\$/kWh) (2012 base rate) <sup>10</sup>	\$0.0785
Industrial Energy Rate (including Irrigation) (\$/kWh) (2012 base rate) <sup>1</sup>	\$0.0538

**Table 2: Energy FinAnswer Annual Program Costs**

	Program Costs	Utility Admin	Engineering Costs	Incentives	Total Utility Costs	Net Participant Incremental Cost
Additional Measures	\$26,401	\$24,142	\$58,839	\$342,108	\$451,491	\$2,346,920
Building Shell	\$11,450	\$10,471	\$25,518	\$154,122	\$201,561	\$944,620
Compressed Air	\$173,159	\$158,345	\$385,913	\$2,222,348	\$2,939,765	\$3,859,500
Controls	\$1,253	\$1,146	\$2,793	\$13,942	\$19,134	\$10,032
Hot Water	\$614	\$562	\$1,369	\$8,634	\$11,178	\$33,373
HVAC	\$223,665	\$204,529	\$498,474	\$2,929,447	\$3,856,115	\$7,200,965
Irrigation	\$557	\$509	\$1,241	\$7,904	\$10,211	\$24,314
Lighting	\$53,344	\$48,780	\$118,886	\$819,421	\$1,040,430	\$1,374,723
Motors	\$60,509	\$55,332	\$134,855	\$440,547	\$691,243	\$972,376
Refrigeration	\$40,914	\$37,413	\$91,183	\$456,977	\$626,487	\$1,104,338
Total	\$591,866	\$541,229	\$1,319,071	\$7,395,449	\$9,847,615	\$17,871,161

<sup>10</sup> Future rates determined using a 1.8% annual escalator.



**Table 3: Energy FinAnswer Savings by Measure Type**

	Gross kWh Savings	Realization Rate	Adjusted Gross Savings	Net to Gross Percentage	Net kWh Savings	Measure Life
Additional Measures	2,751,127	101%	2,778,638	87%	2,417,415	14
Building Shell	1,205,089	100%	1,205,089	87%	1,048,427	14
Compressed Air	18,596,394	98%	18,224,466	87%	15,855,286	14
Controls	112,722	117%	131,885	87%	114,740	14
How Water	65,283	99%	64,630	87%	56,228	14
HVAC	23,777,838	99%	23,540,060	87%	20,479,852	14
Irrigation	59,202	99%	58,610	87%	50,991	14
Lighting	6,605,034	85%	5,614,279	87%	4,884,423	14
Motors	6,774,905	94%	6,368,411	87%	5,540,517	14
Refrigeration	4,263,404	101%	4,306,038	87%	3,746,253	14
Total	64,210,998		62,292,106		54,194,132	

**Table 4: Energy FinAnswer Program Level Cost-Effectiveness Results**

	Levelized \$/kWh	Costs	Benefits	Net Benefits	Benefit/Cost Ratio
Total Resource Cost Test (PTRC) + Conservation Adder	0.0374	\$20,323,327	\$51,656,612	\$31,333,285	2.542
Total Resource Cost Test (TRC) No Adder	0.0374	\$20,323,327	\$46,960,557	\$26,637,230	2.311
Utility Cost Test (UCT)	0.0181	\$9,847,615	\$46,960,557	\$37,112,941	4.769
Rate Impact Test (RIM)		\$50,150,605	\$46,960,557	(\$3,190,048)	0.936
Participant Cost Test (PCT)		\$20,541,564	\$53,720,724	\$33,179,160	2.615
Lifecycle Revenue Impacts (\$/kWh)				\$0.000011418	
Discounted Participant Payback (years)				3.06	

**Table 5: Additional Measures**

	Levelized \$/kWh	Costs	Benefits	Net Benefits	Benefit/Cost Ratio
Total Resource Cost Test (PTRC) + Conservation Adder	0.1014	\$2,456,303	\$2,169,311	(\$286,992)	0.883
Total Resource Cost Test (TRC) No Adder	0.1014	\$2,456,303	\$1,972,101	(\$484,202)	0.803
Utility Cost Test (UCT)	0.0186	\$451,491	\$1,972,101	\$1,520,610	4.368
Rate Impact Test (RIM)		\$2,249,270	\$1,972,101	(\$277,169)	0.877
Participant Cost Test (PCT)		\$2,697,609	\$2,408,521	(\$289,089)	0.893
Lifecycle Revenue Impacts (\$/kWh)				\$0.000000992	
Discounted Participant Payback (years)				NA	

**Table 6: Building Shell**

	Levelized \$/kWh	Costs	Benefits	Net Benefits	Benefit/Cost Ratio
Total Resource Cost Test (PTRC) + Conservation Adder	0.0944	\$992,059	\$940,825	(\$51,234)	0.948
Total Resource Cost Test (TRC) No Adder	0.0944	\$992,059	\$855,296	(\$136,763)	0.862
Utility Cost Test (UCT)	0.0192	\$201,561	\$855,296	\$653,735	4.243
Rate Impact Test (RIM)		\$981,253	\$855,296	(\$125,958)	0.872
Participant Cost Test (PCT)		\$1,085,770	\$1,050,320	(\$35,450)	0.967
Lifecycle Revenue Impacts (\$/kWh)				\$0.000000451	
Discounted Participant Payback (years)				NA	

**Table 7: Compressed Air**

	Levelized \$/kWh	Costs	Benefits	Net Benefits	Benefit/Cost Ratio
Total Resource Cost Test (PTRC) + Conservation Adder	0.0288	\$4,576,917	\$14,228,026	\$9,651,109	3.109
Total Resource Cost Test (TRC) No Adder	0.0288	\$4,576,917	\$12,934,569	\$8,357,652	2.826
Utility Cost Test (UCT)	0.0185	\$2,939,765	\$12,934,569	\$9,994,804	4.400
Rate Impact Test (RIM)		\$14,730,994	\$12,934,569	(\$1,796,425)	0.878
Participant Cost Test (PCT)		\$4,436,207	\$15,775,485	\$11,339,278	3.556
Lifecycle Revenue Impacts (\$/kWh)				\$0.000006430	
Discounted Participant Payback (years)				1.71	

**Table 8: Controls**

	Levelized \$/kWh	Costs	Benefits	Net Benefits	Benefit/Cost Ratio
Total Resource Cost Test (PTRC) + Conservation Adder	0.0132	\$15,224	\$102,964	\$87,740	6.763
Total Resource Cost Test (TRC) No Adder	0.0132	\$15,224	\$93,603	\$78,380	6.149
Utility Cost Test (UCT)	0.0166	\$19,134	\$93,603	\$74,470	4.892
Rate Impact Test (RIM)		\$104,463	\$93,603	(\$10,860)	0.896
Participant Cost Test (PCT)		\$11,531	\$112,022	\$100,491	9.715
Lifecycle Revenue Impacts (\$/kWh)				\$0.000000039	
Discounted Participant Payback (years)				0.49	

**Table 9: Hot Water**

	Levelized \$/kWh	Costs	Benefits	Net Benefits	Benefit/Cost Ratio
Total Resource Cost Test (PTRC) + Conservation Adder	0.0637	\$35,917	\$56,405	\$20,487	1.570
Total Resource Cost Test (TRC) No Adder	0.0637	\$35,917	\$51,277	\$15,360	1.428
Utility Cost Test (UCT)	0.0198	\$11,178	\$51,277	\$40,099	4.587
Rate Impact Test (RIM)		\$52,994	\$51,277	(\$1,717)	0.968
Participant Cost Test (PCT)		\$38,360	\$56,698	\$18,338	1.478
Lifecycle Revenue Impacts (\$/kWh)				\$0.000000006	
Discounted Participant Payback (years)				7.43	

**Table 10: HVAC**

	Levelized \$/kWh	Costs	Benefits	Net Benefits	Benefit/Cost Ratio
Total Resource Cost Test (PTRC) + Conservation Adder	0.0396	\$8,127,633	\$20,763,240	\$12,635,606	2.555
Total Resource Cost Test (TRC) No Adder	0.0396	\$8,127,633	\$18,875,673	\$10,748,039	2.322
Utility Cost Test (UCT)	0.0188	\$3,856,115	\$18,875,673	\$15,019,557	4.895
Rate Impact Test (RIM)		\$19,086,533	\$18,875,673	(\$210,860)	0.989
Participant Cost Test (PCT)		\$8,276,971	\$20,435,673	\$12,158,702	2.469
Lifecycle Revenue Impacts (\$/kWh)				\$0.000000755	
Discounted Participant Payback (years)				3.32	

**Table 11: Irrigation**

	Levelized \$/kWh	Costs	Benefits	Net Benefits	Benefit/Cost Ratio
Total Resource Cost Test (PTRC) + Conservation Adder	0.0521	\$26,621	\$51,175	\$24,554	1.922
Total Resource Cost Test (TRC) No Adder	0.0521	\$26,621	\$46,523	\$19,902	1.748
Utility Cost Test (UCT)	0.0200	\$10,211	\$46,523	\$36,312	4.556
Rate Impact Test (RIM)		\$48,132	\$46,523	(\$1,609)	0.967
Participant Cost Test (PCT)		\$27,947	\$51,491	\$23,544	1.842
Lifecycle Revenue Impacts (\$/kWh)				\$0.000000006	
Discounted Participant Payback (years)				5.24	

**Table 12: Lighting**

	Levelized \$/kWh	Costs	Benefits	Net Benefits	Benefit/Cost Ratio
Total Resource Cost Test (PTRC) + Conservation Adder	0.0326	\$1,595,732	\$5,011,015	\$3,415,283	3.140
Total Resource Cost Test (TRC) No Adder	0.0326	\$1,595,732	\$4,555,468	\$2,959,736	2.855
Utility Cost Test (UCT)	0.0213	\$1,040,430	\$4,555,468	\$3,515,038	4.378
Rate Impact Test (RIM)		\$4,672,868	\$4,555,468	(\$117,400)	0.975
Participant Cost Test (PCT)		\$1,580,141	\$4,994,637	\$3,414,496	3.161
Lifecycle Revenue Impacts (\$/kWh)				\$0.000000420	
Discounted Participant Payback (years)				1.91	

**Table 13: Motors**

	Levelized \$/kWh	Costs	Benefits	Net Benefits	Benefit/Cost Ratio
Total Resource Cost Test (PTRC) + Conservation Adder	0.0220	\$1,223,073	\$4,971,883	\$3,748,810	4.065
Total Resource Cost Test (TRC) No Adder	0.0220	\$1,223,073	\$4,519,894	\$3,296,821	3.696
Utility Cost Test (UCT)	0.0124	\$691,243	\$4,519,894	\$3,828,650	6.539
Rate Impact Test (RIM)		\$4,811,605	\$4,519,894	(\$291,711)	0.939
Participant Cost Test (PCT)		\$1,117,674	\$5,176,595	\$4,058,921	4.632
Lifecycle Revenue Impacts (\$/kWh)				\$0.000001044	
Discounted Participant Payback (years)				1.49	

**Table 14: Refrigeration**

	Levelized \$/kWh	Costs	Benefits	Net Benefits	Benefit/Cost Ratio
Total Resource Cost Test (PTRC) + Conservation Adder	0.0339	\$1,273,848	\$3,361,768	\$2,087,920	2.639
Total Resource Cost Test (TRC) No Adder	0.0339	\$1,273,848	\$3,056,152	\$1,782,305	2.399
Utility Cost Test (UCT)	0.0167	\$626,487	\$3,056,152	\$2,429,666	4.878
Rate Impact Test (RIM)		\$3,412,493	\$3,056,152	(\$356,341)	0.896
Participant Cost Test (PCT)		\$1,269,354	\$3,659,283	\$2,389,929	2.883
Lifecycle Revenue Impacts (\$/kWh)				\$0.000001275	
Discounted Participant Payback (years)				2.72	

## Recommissioning – Schedule 126

The tables below present the cost-effectiveness findings of the Utah Recommissioning program based on 2012 costs and savings estimates provided by PacifiCorp in a spreadsheet entitled “UT 2012 tables and charts FINAL CE inputs 04\_11\_2013 v2.xlsx”. The utility discount rate is from the 2011 PacifiCorp Integrated Resource Plan.

Cost-effectiveness was tested using the 2011 IRP 20% load factor east commercial cooling decrement. Table 1 lists modeling inputs.

The program is cost-effective from PTRC, TRP, UCT and PCT perspectives.

**Table 1: Recommissioning Inputs**

Parameter	Value
Discount Rate	7.17%
Commercial Line Loss	8.71%
Industrial Line Loss	5.85%
Commercial Energy Rate (\$/kWh) (2012 base rate)	\$0.0785
Industrial Energy Rate—including Irrigation (\$/kWh) (2012 base rate) <sup>11</sup>	\$0.0538

**Table 2: Recommissioning Annual Program Costs and Savings**

	Program Costs	Engineering	Utility Admin	Marketing	Incentives	Total Utility Costs	Net Participant Incremental Cost
Total	\$130,345	\$28,522	\$20,042	\$260,395	\$12,627	\$451,930	\$46,710.72

**Table 3: Recommissioning Savings by Measure Type**

	Gross kWh Savings	Realization Rate	Adjusted Gross Savings	Net to Gross Percentage	Net kWh Savings	Measure Life
Total	1,333,095	98%	1,306,433	84%	1,097,404	7

<sup>11</sup> Future rates determined using a 1.8% annual escalator.

**Table 4: Recommissioning Cost-Effectiveness Results**

	Levelized \$/kWh	Costs	Benefits	Net Benefits	Benefit/Cost Ratio
Total Resource Cost Test (PTRC) + Conservation Adder	0.0710	\$486,014	\$824,236	\$338,222	1.696
Total Resource Cost Test (TRC) No Adder	0.0710	\$486,014	\$749,306	\$263,292	1.542
Utility Cost Test (UCT)	0.0660	\$451,930	\$749,306	\$297,375	1.658
Rate Impact Test (RIM)		\$971,508	\$749,306	(\$222,202)	0.771
Participant Cost Test (PCT)		\$55,608	\$631,172	\$575,564	11.350
Lifecycle Revenue Impacts (\$/kWh)				\$0.000001406	
Discounted Participant Payback (years)				0.48	

## Self Direction – Schedule 192

The tables below present the cost-effectiveness findings of the Utah Self Direction program based on Rocky Mountain Power’s 2012 costs and savings estimates. The utility discount rate is from the 2011 PacifiCorp Integrated Resource Plan.

Cost-effectiveness was tested using the 2011 IRP 69% load factor east system decrement. Table 1 lists modeling inputs.

The program is cost-effective from PTRC, TRC, UTC and PCT perspectives.

**Table 1: Self Direction Inputs**

Parameter	Value
Discount Rate	7.17%
Commercial Line Loss	8.71%
Industrial Line Loss	5.85%
Commercial Energy Rate (\$/kWh) (2012 base rate)	\$0.0785
Industrial Energy Rate—including Irrigation (\$/kWh) (2012 base rate) <sup>12</sup>	\$0.0538

**Table 2: Self Direction Annual Program Costs**

	Marketing	Utility Admin	Engineering Costs	Program Costs	Total Utility Costs	Customer Bill Credits	Net Participant Incremental Cost
Commercial	\$20,820	\$26,730	\$34,049	\$67,219	\$148,817	\$2,233,200	\$2,465,873
Industrial	\$254,918	\$23,989	\$102,146	\$77,325	\$458,378	\$1,321,116	\$1,436,714
Total	\$275,738	\$50,719	\$136,194	\$144,544	\$607,195	\$3,554,316	\$3,902,587

**Table 3: Self Direction Savings by Measure Type**

	Gross kWh Savings	Realization Rate	Adjusted Gross Savings	Net to Gross Percentage	Net kWh Savings	Measure Life
Commercial	7,484,187	99%	7,409,345	87%	6,446,130	13
Industrial	8,030,398	99%	7,950,094	87%	6,916,582	13
Total	15,514,585		15,359,439		13,362,712	

<sup>12</sup> Future rates determined using a 1.8% annual escalator.

**Table 4: Self Direction Program Level Cost-Effectiveness Results**

	Levelized \$/kWh	Costs	Benefits	Net Benefits	Benefit/Cost Ratio
Total Resource Cost Test (PTRC) + Conservation Adder	0.0355	\$4,509,782	\$12,046,497	\$7,536,715	2.671
Total Resource Cost Test (TRC) No Adder	0.0355	\$4,509,782	\$10,951,361	\$6,441,579	2.428
Utility Cost Test (UCT)	0.0327	\$4,161,511	\$10,951,361	\$6,789,850	2.632
Rate Impact Test (RIM)		\$12,703,419	\$10,951,361	(\$1,752,058)	0.862
Participant Cost Test (PCT)		\$4,485,732	\$13,372,601	\$8,886,869	2.981
Lifecycle Revenue Impacts (\$/kWh)				\$0.000006643	
Discounted Participant Payback (years)				0.98	

**Table 5: Commercial**

	Levelized \$/kWh	Costs	Benefits	Net Benefits	Benefit/Cost Ratio
Total Resource Cost Test (PTRC) + Conservation Adder	0.0421	\$2,614,690	\$6,294,597	\$3,679,907	2.407
Total Resource Cost Test (TRC) No Adder	0.0421	\$2,614,690	\$5,722,361	\$3,107,671	2.189
Utility Cost Test (UCT)	0.0383	\$2,382,017	\$5,722,361	\$3,340,344	2.402
Rate Impact Test (RIM)		\$7,304,261	\$5,722,361	(\$1,581,900)	0.783
Participant Cost Test (PCT)		\$2,834,337	\$7,890,952	\$5,056,615	2.784
Lifecycle Revenue Impacts (\$/kWh)				\$0.000005998	
Discounted Participant Payback (years)				1.04	

**Table 6: Industrial**

	Levelized \$/kWh	Costs	Benefits	Net Benefits	Benefit/Cost Ratio
Total Resource Cost Test (PTRC) + Conservation Adder	0.0292	\$1,895,092	\$5,751,900	\$3,856,809	3.035
Total Resource Cost Test (TRC) No Adder	0.0292	\$1,895,092	\$5,229,000	\$3,333,909	2.759
Utility Cost Test (UCT)	0.0274	\$1,779,494	\$5,229,000	\$3,449,506	2.938
Rate Impact Test (RIM)		\$5,399,158	\$5,229,000	(\$170,158)	0.968
Participant Cost Test (PCT)		\$1,651,395	\$5,481,649	\$3,830,254	3.319
Lifecycle Revenue Impacts (\$/kWh)				\$0.000000645	
Discounted Participant Payback (years)				0.94	





## Appendix 3

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# Utah Program Evaluations

## Utah 2012 Evaluations

### Program Evaluation Recommendations and Company Responses

Evaluation reports provide detailed information on the process and impact evaluations performed on each program, summarizing the methodology used to calculate the evaluated savings as well as providing recommendations for the Company to consider for improving the process or impact of the program, as well as customer satisfaction.

Outlined below is a list of the programs, the years that were evaluated during 2012 and the third party evaluator who completed the evaluation. Program evaluations are available for review at [www.pacificorp.com/es/dsm/utah.html](http://www.pacificorp.com/es/dsm/utah.html)

<b>Program</b>	<b>Years Evaluated</b>	<b>Evaluator</b>
Cool Keeper	2009-2010	The Cadmus Group, Inc.
Home Energy Savings	2009-2010	The Cadmus Group, Inc.
See ya later, refrigerator	2009-2010	The Cadmus Group, Inc.
Cool Cash	2009-2010	The Cadmus Group, Inc.
New Homes	2009-2010	The Cadmus Group, Inc.

The third party evaluator’s recommendations and Company’s responses are provided in the below Tables:

**Table 1**  
**Cool Keeper Evaluation Recommendations**

<b>Evaluation Recommendation</b>	<b>Rocky Mountain Power Action Plan</b>
Consider using different promotional items with Multi-Family buildings such as magnets so that the information stays with the apartment.	Continuing to market program to multi-family sector as suggested by contract administrator. Recruitment and customer acquisition based on contacting multi-family property management, not tenant.
Ensure contractor list on website is up-to-date. It appears the list of contractors presented on the Cool Keeper website may be out of date. Cadmus reached out to the four Cool Keeper contractors listed on the website and only one customer service representative said they worked with the program.	All participating contractors are updated on Website.

<b>Evaluation Recommendation</b>	<b>Rocky Mountain Power Action Plan</b>
Some companies did mention that they only removed DCUs. The Program Administrator should continue to follow up with their contractors periodically to make sure everyone has the most recent program information.	
Consider adding a share toolbar to the website to promote referrals. This web tool allows users to share content in a variety of ways helping to build traffic to the site.	Program website has not been modified with a share bar. Referrals account for a very low portion of recruitment. Marketing is primarily face-to-face and direct call to utility customer.
Consider leveraging existing Rocky Mountain Power social media channels. Currently Rocky Mountain Power uses Twitter, Facebook, and YouTube and has a blog. Promoting messaging, customer testimonials and adding web links can help drive traffic. Consider expanding into LinkedIn to reach business owners. This will also help provide two-way communication and better integrates this program into the overall Rocky Mountain Power social channels.	This form of media is currently done with the wattsmart outreach campaign. It starts in May and concludes in August.
Cadmus recommends Rocky Mountain Power collect tonnages for air conditioning units with missing values in the database. This could be accomplished when program administrator technicians perform annual site inspections of 20 percent of DCU units in participating homes and businesses. Rocky Mountain Power reports tonnage data collection is already underway.	Program collected missing tonnages prior to the start of 2012 program season.

Table 2  
Home Energy Savings Evaluation Recommendations

<b>Evaluation Recommendation</b>	<b>Rocky Mountain Power Action Plan</b>
Due to lack of preparation by retailers, Rocky Mountain Power should consider providing educational point-of-purchase materials about EISA to lighting retailers, framed in the context of increased availability of utility-supported, high-efficiency lighting options. This will help retailers prepare customers for changes in lighting availability, and decrease customer frustration.	The Company developed an EISA communications plan in June 2011. Materials and messaging on EISA are already integrated into the program's marketing plans. Messaging doesn't focus on the specifics of EISA but rather on educating consumers on the meaning and difference for lumens and watts. Point-of-purchase marketing materials for lighting emphasize educating customers on how to choose the right light bulb for the right application with information on color rendering, lumens and related information.
Ensure lighting retailers have been trained to properly educate and prepare customers for EISA changes: specifically, the Lighting Facts label required to be displayed on all lighting packages. Supply retailers with point-of-purchase materials	See above response.

<b>Evaluation Recommendation</b>	<b>Rocky Mountain Power Action Plan</b>
that show customers how to interpret the label and easily find the Rocky Mountain Power-incented bulbs they need. Although this will not produce directly measureable savings impacts, increased customer satisfaction could indirectly increase customers' willingness to participate in other HES Program components.	
Given changes in the evolving lighting industry, explore which higher-efficiency lighting options (e.g., LEDs) garner the most savings per unit. Align marketing messages with the preferred lighting option to heighten awareness using market transformation tactics.	LEDs were added to the program in November 2012.
The evolving lighting market can provide a platform to clarify marketing messages about lighting options and bulbs best for each customer's intended use. Continue to enhance marketing collateral comparing prices of various lighting options with expected lifetime savings associated with the options, demonstrating the long-term value of higher-efficiency options. Potential long-term savings attributed to qualifying measures serve as the primary purchasing motivator for appliance and weatherization participants. These same marketing tactics should be considered for the lighting market, given elimination of traditional, inexpensive options. Messaging should also highlight lighting quality comparisons and other factors consumers tend to focus on in satisfaction surveys.	Point-of-purchase marketing materials for lighting emphasize educating customers on how to choose the right light bulb for the right application with information on color rendering, lumens and related information.
EISA informational materials should highlight the increased variety of discounted lighting options offered by Rocky Mountain Power's HES Program, including specialty CFLs.	Lighting marketing materials cover the full range of discounted bulbs, including specialty CFLs.
More than three-quarters of surveyed CFL owners threw a CFL bulb in the trash during the past 12 months. While there are strategies in place to communicate proper disposal methods online; very few lighting customers reported visiting Rocky Mountain Power's CFL disposal Webpage.	Expanded messaging continues to emphasize proper disposal of CFLs.
Continue with plans to provide recycling centers at all participating retail locations; so customers can simply bring in spent bulbs when purchasing replacements. Recycling centers could convey a positive public image to enhance Rocky Mountain Power's reputation within the community, and to add public relations value to the program, particularly with interveners. Rocky Mountain Power should raise awareness of the availability of recycling centers through bill inserts, training for	10 lighting displays incorporating prepaid recycling boxes were distributed to small retailers in mid to late 2011 throughout Pacific Power and Rocky Mountain Power service territory. It was very difficult to get retailers to accept the displays and set them up on the sales floor. The effort yielded no noticeable increase in savings and didn't generate any additional benefits for the retailers. The effort has been discontinued.

<b>Evaluation Recommendation</b>	<b>Rocky Mountain Power Action Plan</b>
retail staff, and other outreach tactics.	
Baseline wattage assumptions will need to be updated to account for the new EISA standards. The EISA standard established an equivalent baseline by rated lamp lumens. If the actual baseline wattage replaced is not known (i.e. no surveys were conducted), the recommended approach uses the CFL rated lumens and equivalent lumens in EISA to determine baseline wattage. This approach can be used for program evaluations in 2012 and beyond.	The Company has updated baselines to incorporate the new EISA standards and will continue do so.
The WHF is an adjustment representing the interactive effects of lighting measures on heating and cooling equipment operation. Cadmus did not apply the WHF adjustment to lighting savings estimates as Rocky Mountain Power did not include it in their initial planning estimates. However, Cadmus recommends using the approach outlined in Appendix L and including this adjustment for future planning estimates and evaluations.	The Company has incorporated a WHF into lighting savings.
As the baseline for lighting savings changes, non-lighting savings achieved through the HES Program may accrue increased significance. If needed, continue to recruit new trade allies to broaden program awareness throughout the service territory. Though the HES program has an effective trade ally presence, an increased trade ally network could lead to heightened incentive awareness, and increased program participation.	The Company constantly is recruiting new trade allies, as well focusing on retaining current trade allies.
To ensure trade allies find it easy to participate and continue to promote the HES program, carry on with plans to offer them online application access.	The Company has not developed online application for trade ally projects. The Company has developed online incentive applications for appliances, light fixtures, electric water heaters and room air conditioners.
Continue with plans to provide trade ally-focused marketing collateral for download within the trade ally section of the program Web pages. Offer customizable co-marketing options for trade ally promotion. If necessary, these materials can be offered within a password-protected area of the Website.	The Company continues to use a face-to-face, telephone, email and webinar contract strategies for engaging trade allies for all activities. The volume of trade ally materials does not warrant developing a Web-based ordering system. The Company has rolled out a more formal communication and relationship strategy with trade allies. Webinars, a home improvement pocket guide, frequent communications and site visits, inspection feedback, trade ally newsletters, contractor briefs and other tools are being used to provide more value to trade allies and to engage them more thoroughly and consistently.
Test innovative trade ally outreach methods in the	The Company continues to test new tactics such as

<b>Evaluation Recommendation</b>	<b>Rocky Mountain Power Action Plan</b>
Utah service territory. Successful methods can be duplicated in other territories.	quarterly electronic newsletters, webinars and other means for training, recruiting and retaining trade allies.
Train lighting retailers to inform customers that incented lighting products have been discounted by Rocky Mountain Power.	Lighting retailers receive visits and training from program staff on a regular basis to ensure they inform customers the discounted lighting products are provided by Rocky Mountain.
Continue to leverage “one-to-many” opportunities. “Road shows” and event exposure can reach rural customers cost-effectively. Invitations to road shows and/or event sponsorships can offer effective marketing opportunities, outlining the program value proposition. Events targeting trade allies, a highly qualified and motivated audience base, can be particularly effective.	The Company continues to seek out event opportunities that generate projects and kWh savings and will create events to support trade allies and motivate potential participants.
Continue to leverage on and offline social networks to influence customer satisfaction levels. Social networks (such as stakeholder trade associations, community networks, Chambers of Commerce, LinkedIn groups, and e-mail networks) provide low-cost, high-volume information distribution vehicles. Continue to consider implementing innovative tactics, such as Living Social and/or Groupon coupon-focused lead generation.	The Company has expanded the use of social media (i.e. Twitter, Facebook, etc.) for promoting programs. Program staff is not engaged in local professional associations but relies on Company staff such customer and community managers to represent the program with local organizations.
Broaden promotion of the program’s URL. Only 3 percent of appliance and weatherization participants (and no trade allies) cite the Website as a referral source. Online marketing can be one of the most cost-effective tools to generate interest and leads in remote geographies. Rocky Mountain Power should emphasize its Website in marketing materials as a key tool for obtaining detailed program information. However, marketing channels should continue to focus on approaches reported most effective with customers: bill inserts and in-store displays.	Company marketing strategy has shifted from promoting specific energy efficiency program websites to promoting the overarching marketing brand of wattsmart. Nearly all program marketing materials include the wattsmart.com address instead of the program specific address. The Company continues to maintain its focus on bill inserts and in-store displays as the most effective marketing channels with customers.
Mirror segment-driven messages found within collateral and promotional events on the Website.	Marketing and messaging across channels is consistent.
Continue to leverage customer’s interest in saving energy by providing trade allies with materials focusing on potential energy cost savings associated with qualified measures. Information could include estimated annual and lifetime cost savings, compared to use of a standard-efficiency model, using accurate Rocky Mountain Power rates.	The Company has rolled out a more formal communication and relationship strategy with trade allies. Webinars, a home improvement pocket guide, frequent communications and site visits, inspection feedback, trade ally newsletters, contractor briefs and other tools are being used to provide more value to trade allies and to engage them more thoroughly and consistently.

Table 3

[See ya later refrigerator Evaluation Recommendations](#)

<b>Evaluation Recommendation</b>	<b>Rocky Mountain Power Action Plan</b>
Rocky Mountain Power should continue implementing the SYLR program to achieve cost-effective energy savings.	The Company continues to offer the program.
Rocky Mountain Power should adjust its expected per-unit savings to reflect estimates calculated in this evaluation. Cadmus recommends tracking program savings using the evaluated per-unit gross savings values of 1,215 kWh for refrigerators and 882 kWh for freezers.	The Company has adjusted per-unit savings for 2012 reporting based on the evaluation results.
Although Rocky Mountain Power did not apply a Waste Heat Factor (WHF) adjustment to CFL savings estimates, the WHF should be applied to all future planning and evaluated CFL savings values. Cadmus recommends tracking program savings from energy-saving kits using the WHF-adjusted gross savings value of 79 kWh.	The Company has incorporated the Waste Heat Factor into the 2013 reporting value for CFL kits.
Per-unit savings can be greatly affected by changes in appliance characteristics, such as configuration, age, and size. The program administrator tracks these characteristics, and Rocky Mountain Power should closely monitor changes in participating units' characteristics. This could be achieved by summarizing participation data on an annual basis, and noting changes in average participant unit characteristics.	The Company now requires an annual summary of average participant unit characteristics.
The program administrator and Rocky Mountain Power should continue with plans to improve reporting processes to eliminate the possibility of reporting discrepancies and increase accuracy of reported results. Cadmus identified minor discrepancies in reported number of participant units, and Rocky Mountain Power has since worked with the program administrator to prevent discrepancies between program administrator and Rocky Mountain Power reporting by including additional documentation in monthly reports.	The Company has improved monthly reporting and invoicing to eliminate reporting errors and improve accuracy. Monthly invoices, monthly reports and data from the vendor are all compared each month for accuracy against each other.

Table 4  
[Cool Cash Evaluation Recommendations](#)

<b>Evaluation Recommendation</b>	<b>Rocky Mountain Power Action Plan</b>
Rocky Mountain Power should increase its gross per-unit savings to reflect estimates calculated in	The Company has incorporated the revised per unit savings from the evaluations into program

<b>Evaluation Recommendation</b>	<b>Rocky Mountain Power Action Plan</b>
this evaluation	reporting.
The program administrator and Rocky Mountain Power should continue the program's updated marketing approach which emphasizes evaporative cooling equipment, as evaporative cooling equipment were found to have high, cost-effective, average per-unit energy savings.	The Company continues emphasize cost-effective evaporative coolers as an alternative to central air conditioners.
The program administrator and Rocky Mountain Power should develop a method to improve reporting processes and reduce reporting discrepancies. Cadmus recommends participation and savings should be reconciled monthly and with annual reports. Saving final program year participation records outside of the program tracking database may also help address any discrepancies that may arise at a later time.	The Company and program administrator reconcile participation and savings as needed throughout the year and at year-end.

Table 5  
New Homes Evaluation Recommendations

<b>Evaluation Recommendation</b>	<b>Rocky Mountain Power Action Plan</b>
ENERGY STAR New Homes requirements should be revised to the ENERGY STAR for Homes Version 3.0 standard, thus improving program home performance, relative to nonparticipant homes.	ENERGY STAR for Homes Version 3.0 was implemented in 2012
For homes built before 2012, expected savings for single-family homes (built to ENERGY STAR requirements in place before Version 3.0) and Plus Measures should be revised to reflect these findings. Rocky Mountain Power should work with its program administrator to determine whether discounted savings for homes built in 2011 are warranted for reporting and filing purposes.	Program was redesigned in 2012 and these recommendations were completed
Include verification of participant and nonparticipant home size in future evaluations. Continue telephone surveys and consider site audits, especially for nonparticipant homes to check values recorded by other processes.	Future evaluations will ensure data collected accurately represents participants and non-participants.
To improve matching participants to utility billing data, require the program administrator to include the utility Site ID in the participant	Process started in Q2 2012



<b>Evaluation Recommendation</b>	<b>Rocky Mountain Power Action Plan</b>
database.	
To improve identification of single-family and multifamily customers, add a “home type” field to the utility account information collected from residential customers.	Dwelling type is currently available in the Company’s customer tracking system. The Company will work with future evaluators to ensure the information is transparent.



## Appendix 4

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# Utah Measure Installation Verifications

# Utah Measure Installation Verifications

## Low Income Weatherization

All projects

- All measures are qualified through US Department of Energy approved audit tool or priority list.
- 100 percent inspection by agency inspector of all homes treated, reconciling work completed and quality (corrective action includes measure verification) prior to invoicing Company.
- State inspectors randomly inspect 5-10 percent of completed homes.

## Home Energy Savings

(Outline below includes Cool Cash measures that became part of Home Energy Savings program in 2013.)

Site inspections by Program Administrator staff for the following retrofit measures ( $\geq 5$  percent)

- Insulation
- Windows
- Central air conditioner / heat pump tune-ups
- Duct sealing and insulation
- Gas furnace with energy conservation measures
- Central air conditioner best practice installation and proper sizing

Site inspections of 100 percent by Program Administrator staff of all whole home ducted evaporative coolers.

No site inspections are conducted for the following. However all post-purchase incented measures undergo a quality assurance review prior to the issuance of the customer/dealer incentive and recording of savings (i.e. proof of purchase receipt review) and eligible equipment review. Additionally, customer account and customer address are checked to ensure the Company does not double pay for the same measure or double count measure savings.

- Refrigerators
- Dishwasher
- Ceiling fans
- Light fixtures
- Clothes washers
- Electric water heaters (excluding heat pump heaters)
- Evaporative coolers (excluding whole home ducted)
- Air conditioners

#### Other measures

- CFLs and LEDs – retail channel, manufacturer agreements and program administrator sales record reviews of qualifying equipment. Invoicing and retail pricing is administered by program administrator.

#### **Refrigerator Recycling**

Company hires an independent inspector to phone survey  $\geq 5$  percent program participants and to site inspect  $\geq 10$  percent of program participants in order to verifying program participation, eligibility of equipment, that vendor pick-up procedures are followed (equipment is disabled at site, kits distributed, etc.) and to survey customer experience.

#### **New Homes**

Site inspections by Program Administrator staff for the following measures ( $\geq 5$  percent)

- 15 SEER AC
- 2x6 Walls
- ENERGY STAR Lighting
- Dishwasher (EF 0.75+)
- HVAC-Quality Installation'
- IECC Energy Code Certification
- ENERGY STAR Certified Home
- High Performance ENERGY STAR Certified Home

#### **FinAnswer Express**

For trade ally program administrated projects

#### Lighting projects

- Retrofits - 100 percent pre- and post-installation site inspections by third party consultant of all projects with incentives over a specified dollar amount. Project cost documentation reviewed for all projects.
- New construction - 100 percent post-installation site inspections by third party consultant of all projects with incentives over a specified dollar amount.
- A percent of post-installation site inspections by program administrator of projects with incentives under a specified dollar amount.

#### Non-lighting projects

- 100 percent of applications with an incentive that exceeds a specified dollar amount will be inspected (via site inspection) by program administrator.
- A minimum of a specified percent of remaining non-lighting applications will be inspected, either in person or via telephone interview, by program administrator.

## For Company project manager delivered projects (lighting and non-lighting)

### Lighting and non-lighting

- 100 percent pre/post-installation site inspections by third party consulting engineering firms, invoice reconciled to inspection results.

### **Energy FinAnswer**

#### All projects

- 100 percent pre and/or post-site inspections by third party engineering consultant, inspection is reconciled with project invoice for energy efficiency retrofit measures provided by customers. No pre-inspection for new construction.
- Most projects have a commissioning requirement.

### **Re-Commissioning**

#### All projects

- 100 percent pre and/or post-site inspections by third party engineering consultant.
- All projects have a commissioning requirement,

### **Self Direction**

#### All projects

- 100 percent post-site inspections by third party engineering consultant, inspection is reconciled with project invoice for energy efficiency retrofit measures provided by customers.

### **All Programs**

As part of the third-party program evaluations (two-year cycle) process, the Company is implementing semi-annual customer surveys to collect evaluation-relevant data more frequently to cure for memory loss and other detractors such as customers moving and data not be readily available at evaluation time). This will serve as a further check verifying customer participation and measures installed.

Additional record reviews and site inspections (including metering/data logging) is conducted as part of the process and impact evaluations, a final verification of measure installations.



## Appendix 5

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# Retailers Promoting Residential Energy Efficiency

## TABLE OF CONTENTS

Table 1 Cool Cash Residential HVAC Dealers and Installers .....	3
Table 2 Home Energy Savings Retail Stores – Lighting .....	6
Table 3 Home Energy Savings Retail Stores – Appliances.....	13
Table 4 Home Energy Savings HVAC Contractors .....	19
Table 5 Home Energy Savings Weatherization Contractors .....	24

Rocky Mountain Power working through its third party vendors have established an extensive list of retailers who assist in promoting residential energy efficiency measures. The tables below represent the participating retail stores, dealers, installers and contractors.

**TABLE 1 - COOL CASH RESIDENTIAL HVAC DEALERS AND INSTALLERS**

Name	City
A + Mechanical LLC	Riverton
A Better Service Co	Murray
A-1 Services, Inc.	St. George
AAA Cooling & Heating Inc.	Sandy
ABC Swampcooler	Layton
Absolute Air	Mapleton
Absolute Quality Air INC	Salt Lake City
AC MART	Midvale
Ace Air Conditioning & Heating LLC	Murray
Action Plumbing & Heating C/O Jeff Davis	West Jordan
Adams Service and Repair	West Point
Advanced Heating & AC	Logan
Advantage Heating & Air Inc.	West Jordan
Affordable Heating and Cooling INC	Salt Lake City
Air Design Heating & Cooling LLC	Draper
Air Force Heating & A/C Inc.	Orem
Air Now Heating & Air Conditioning LLC	Ogden
Aire Expresso	Tooele
Aire Serv of Salt Lake / Tooele (DBA Benchview Enterprises INC)	Salt Lake City
All Pro Heating & Cooling Inc.	North Ogden
All Service of Utah Inc.	Ogden
Alpha Mechanical	Smithfield
American Heating & Cooling	Clearfield
Anderson HVAC Inc.	Pleasant View
Angler's HVAC Inc.	North Salt Lake City
Any Hour Inc.	Orem
Arrant Heating & Air Conditioning Inc.	Clearfield
Artic Air of Southern Utah	St. George
Arv's Trailer Repair LLC	West Haven
Aspen Heating & Cooling LLC	Cottonwood Heights
Atlas Heating & Cooling Inc.	Salt Lake City
Atmosphere Technologies	West Valley City
Bergmann Heating and Air Conditioning LLC	Orem
Bills Comfort Systems	Layton



Name	City
Boulard Heating and Air Conditioning	West Jordan
Budget Heating And Air Inc.	West Jordan
Bush Builders LLC	Sandy
Call Climate Service LLC	Centerville
Carpenter Furnace Co Inc.	Ogden
Central Valley Mechanical	Nephi
Christoffersen Heating and Air Conditioning Inc.	North Logan
Clear Comfort Heating & A/C LLC	Grantsville
Clough Mechanical Services LLC	Midvale
Comfort Champions Heating & Cooling	Draper
Comfort Connection LLC	Sandy
Comfort Control	South Jordan
Comfort Solutions	Ogden
Comfort Systems USA Intermountain	Salt Lake City
Comfort Tech (DBA Aire Service of Utah Valley)	Orem
Complete Comfort Heating and Air Conditioning Inc.	Springville
Crofts HVAC-R Inc.	Panguitch
Custom Comfort Plumbing, Heating, and Cooling	Centerville
D Blake Electric & Refrigeration Inc.	St. George
Delta Mechanical	Delta
Denny's Service Co LLC	South Ogden
Desert Star Heating and Air Conditioning	Millcreek
Design Comfort	Salt Lake City
Dick Kearsley Service Center	Clearfield
Eagar Heating & Cooling	Pleasant Grove
Environmental Refrigeration Specialties Inc.	Roy
ESCO Services	Salt Lake City
Express Air Heating & Cooling	Sandy
Exquisite Plumbing, Remodel, Heating & Air	Riverton
Fresh Air Heating & Cooling LLC	Murray
Furmark Inc.	Riverdale
Gary Ricks Services Inc.	Logan
Gause Heating	Santaquin
Graves Heating & Building Inc.	Springville
Gunther's Comfort Air	American Fork
Hartman Plumbing Heating and Air	Murray
Harwood Mechanical	North Salt Lake City
Healthy Home Plumbing, Heating, and AC	Salt Lake City
High Country HVAC Inc.	Farmington
Horizon HVAC	Layton

Name	City
Huish Heating And A/C Inc.	Taylorville
Humphrey Heating & Air	Bountiful
HVAC Construction INC	North Salt Lake City
Intermountain Swamp Cooler Services Inc.	Murray
J & M Plumbing	West Jordan
Johansen Heating & Air	LaVerkin
Jones Heating And A/C	West Valley City
Just Right Heating And Cooling	Salt Lake City
K Lund Mechanical Inc.	West Jordan
K.O. Installers Inc.	Hooper
KC Heating and Air	Murray
Kelly's Heating and Cooling INC	West Jordan
Kent L Frampton Heating and AC	Sandy
KJ Mechanical Inc.	Eden
KJ Plumbing and Heating	Delta
L.J. Kaufman	Salt Lake City
Lee's Heating A/C & Refrigeration	Salt Lake City
Manwill Plumbing & Heating	Salt Lake City
Mel Fowers Heating and Cooling Inc.	Ogden
Moore Sheet Metal	Payson
Mountain Air Conditioning and Heating	Ogden
Mountainwest HVAC INC	North Salt Lake City
Neerings Plumbing & Heating Inc.	Salt Lake City
Next Generation Inc.	West Valley City
Parley's PPM Inc.	Orem
Perform Heating and Cooling	Bountiful
Performance HVAC LLC	Sandy
Peterson Refrigeration and Mechanical	Gunnison
Pleasant Air	Pleasant Grove
Pollard Heating and Air Conditioning	Salt Lake City
Pond's Plumbing Heating and AC	North Salt Lake City
Precise Plumbing, Heating, Air Conditioning and Construction	Midvale
Precision Air Management	Lehi
Preferred Service Inc.	South Jordan
Professional Heating & AC	Pleasant Grove
Rentmeister Total Home Service	Syracuse
Right Call Heating & Air Conditioning LLC	West Valley City
Robert Love Heating And A/C	Layton
Same Day Heating & Air DBA Air Comfort	Salt Lake City
Scott Hale Plumbing, Heating, and AC	Murray

Name	City
Select Comfort Systems	West Jordan
Service Experts	Midvale
Service Experts	Ogden
Service Experts	Provo
Smedley and Associates Plumbing and Heating	Layton
Snow Canyon Heating and Cooling INC	St. George
Southwest Air Conditioning	St. George
Spartan Mechanical	Ogden
SR Mechanical Inc.	Salina
St. George Heating and Air Conditioning	St. George
Step Into Comfort	Midvale
Summit Air Systems Inc.	Kaysville
Superior Water & Air, Inc.	West Valley City
Swamptech	Murray
Taylor HVAC	Sandy
Tenko Metals	Logan
The Home Depot (all stores in Utah)	West Valley City
Tremonton Heating & Cooling	Tremonton
Triple T	Spanish Fork
Trumax Inc.	Millcreek
Welch Heating And Air Conditioning	Salt Lake City
West Brothers Inc.	Salt Lake City
Western Heating and Air Conditioning	Orem
Western Mechanical Inc.	Logan
West-Tech Service Inc.	Salt Lake City
Whipple Service Champions	Salt Lake City
Xcellence	Park City
Zephyr Clean Air	Sandy

**TABLE 2- HOME ENERGY SAVINGS RETAIL STORES – LIGHTING**

Retailer	City
Ace Hardware – Courtesy	Delta
Ace Hardware – Hurst	Cedar City
Ace Hardware – Jones	Castle Dale
Ace Hardware - Olympus Hills	Salt Lake City
Ace Hardware - Rasmussen #3961	Gunnison
Ace Hardware - Smith & Edwards	Ogden
Ace Hardware - South Jordan	South Jordan
Ace Hardware - Tremonton	Tremonton
Ace Hardware - Turner Lumber #4097	Moab

Retailer	City
Ace Hardware - Wangsgards	Ogden
Ace Hardware - Wyndom Square	Layton
Ace Hardware #10666	Roy
Ace Hardware #11772	Salt Lake City
Ace Hardware #14675	Syracuse
Ace Hardware #14886	Highland
Ace Hardware #4097	Moab
Albertsons #1509	West Valley City
Batteries Plus #356	Layton
Batteries Plus #357	Orem
Batteries Plus #358	Salt Lake City
Batteries Plus #359	Sandy
Batteries Plus #848	Lehi
Big Lots #4091	Kearns
Big Lots #4095	Salt Lake City
Big Lots #4108	South Ogden
Big Lots #4485	West Jordan
Big Lots #4489	American Fork
Big Lots #4536	Cedar City
Big Lots #4583	Salt Lake City
Big Lots #4605	Layton
Costco #113	Salt Lake
Costco #487	Sandy
Costco #622	West Valley
Costco #764	Murray
Costco #770	South Ogden
Dollar Tree #2601	Sandy
Dollar Tree #2603	Layton
Dollar Tree #2605	Orem
Dollar Tree #2608	Salt Lake City
Dollar Tree #2612	Ogden
Dollar Tree #2615	Midvale
Dollar Tree #2630	Draper
Dollar Tree #2642	Magna
Dollar Tree #2646	Salt Lake City
Dollar Tree #2652	Salt Lake City
Dollar Tree #2659	South Jordan
Dollar Tree #2665	Cedar City
Dollar Tree #2670	Salt Lake City
Dollar Tree #2678	Tooele

Retailer	City
Dollar Tree #2815	West Valley City
Fresh Markets #12307	Jeremy Ranch
Fresh Markets #12356	Ogden
Fresh Markets #12365	Park City
Fresh Markets #12378	American Fork
Fresh Markets #12379	Draper
Fresh Markets #12382	Ogden
Fresh Markets #2303	Riverton
Fresh Markets #2350	Salt Lake City
Fresh Markets #2367	Taylorsville
Fresh Markets #2371	Salt Lake City
Fresh Markets #2372	Salt Lake City
Fresh Markets #2381	West Valley City
Fresh Markets #2391	Sandy
Gunnison Market #2	Gunnison
Harmon's #1	West Valley City
Harmon's #14	Draper
Harmon's #16	Draper
Harmon's #2	Midvale
Harmon's #21	Salt Lake City
Harmon's #24	Salt Lake City
Harmon's #33	Kearns
Harmon's #5	Ogden
Harmon's #86	South Jordan
Harmon's #87	South Jordan
Harmon's #88	Orem
Harmon's #91	Roy
Home Depot #4401	Riverdale
Home Depot #4402	Salt Lake City
Home Depot #4403	Salt Lake City
Home Depot #4406	West Valley City
Home Depot #4409	Sandy
Home Depot #4410	West Jordan
Home Depot #4411	Ogden
Home Depot #4413	Salt Lake City
Home Depot #4415	Park City
Home Depot #4418	Cedar City
Home Depot #4419	Tooele
Home Depot #4421	Sandy
Home Depot #8566	Riverton

Retailer	City
Home Depot #8583	Layton
Honks Dollar Store #19	Layton
Honks Dollar Store #20	West Jordan
Honks Dollar Store #21	West Valley
Honks Dollar Store #27	Ogden
John's Marketplace #1	Salt Lake City
Kohler's Food Store #1	Highland
Lighting Design #1	Layton
Lighting Design #3	Draper
Lighting Specialists #1	Midvale
Lighting Specialists #2	Orem
Lowe's #1080	Riverdale
Lowe's #1133	West Valley City
Lowe's #15	Layton
Lowe's #1613	West Jordan
Lowe's #2275	Salt Lake City
Lowe's #2296	Riverton
Lowe's #2606	Sandy
Lowe's #2845	Clinton
Lowe's #2858	Ogden
Macey's #10964	Sandy
Macey's #10976	Orem
Macey's #10990	Ogden
Macey's #11010	West Jordan
Macey's #11034	Pleasant Grove
Macey's #11042	Tooele
Macey's #11093	Clinton
Park City Market	Park City
Peterson's Marketplace #1	Riverton
Platt Electric Supply #109	Lindon
Platt Electric Supply #22	West Haven
Platt Electric Supply #57	Tooele
Platt Electric Supply #60	Salt Lake City
Platt Electric Supply #64	Sandy
Ream's Foods #10	Kearns
Ream's Foods #11	West Jordan
Ream's Foods #12	Salt Lake City
Ream's Foods #14	Layton
Ream's Foods #15	Sandy
Ream's Foods #2	Salt Lake City

Retailer	City
Ream's Foods #6	Salt Lake City
Ream's Foods #8	Magna
Ream's Foods #9	Sandy
Ridley's #1151	Tremonton
Ridley's #1158	Orem
Sam's Club #4718	South Jordan
Sam's Club #4730	West Jordan
Sam's Club #6682	Layton
Sam's Club #6683	Murray
Sam's Club #6684	Riverdale
Sam's Club #6686	Salt Lake City
Smiths #108	Herriman
Smiths #131	Ogden
Smiths #132	Draper
Smiths #133	Salt Lake City
Smiths #137	West Valley City
Smiths #138	South Jordan
Smiths #139	West Jordan
Smiths #140	Sunset
Smiths #142	Syracuse
Smiths #144	Orem
Smiths #147	West Valley City
Smiths #153	Sandy
Smiths #158	West Jordan
Smiths #28	Salt Lake City
Smiths #30	Ogden
Smiths #42	Cedar City
Smiths #44	Salt Lake City
Smiths #47	Sandy
Smiths #65	Magna
Smiths #66	Salt Lake City
Smiths #69	Salt Lake City
Smiths #72	Park City
Smiths #73	Pleasant Grove
Smiths #77	Salt Lake City
Smiths #79	North Ogden
Smiths #80	Salt Lake City
Smiths #81	Salt Lake City
Smiths #83	Murray
Smiths #85	Midvale

Retailer	City
Smiths Marketplace #475	Salt Lake City
Smiths Marketplace #495	West Jordan
Smiths Marketplace #94	Salt Lake City
Super Savers #1508	Salt Lake City
Terrel's Thriftway #1	Mt. Pleasant
The Lighthouse	Sandy
True Value #10803	Parowan
True Value #11935	Ferron
True Value #13004	Salt Lake City
True Value #17945	Riverton
True Value #17961	Salt Lake City
True Value #18410	Ogden
True Value #18577	West Jordan
True Value #18581	Ogden
True Value #52	Tremonton
True Value #56	Salt Lake City
True Value #59	American Fork
True Value #8630	Cedar City
True Value Hardware - Castle Valley Co-Op	Huntington
True Value Hardware - Commerical Industrial Supply	Grantsville
True Value Hardware - Kearlsey	Clearfield
True Value Hardware - Losee Lumber	Delta
True Value Hardware - Miners Trading Post	Sunnyside
True Value Hardware - Moroni Feed Co	Moroni
True Value Hardware - Riverton	Riverton
True Value Hardware - SLC	Salt Lake City
True Value Hardware - Stan's	Circleville
True Value Hardware - Valley Builder	Gunnison
True Value Hardware - Walker's	Moab
True Value Hardware #55	Marriot-Slaterville City
True Value Hardware #57	Draper
True Value Hardware #69	Delta
True Value Hardware #73	Cedar City
Vinh Long Oriental Market #1	Midvale
Walgreens #01776	Pleasant Grove
Walgreens #02523	Layton
Walgreens #02527	South Ogden
Walgreens #05875	West Jordan
Walgreens #06281	Draper
Walgreens #06669	South Jordan



Retailer	City
Walgreens #06961	Taylorsville
Walgreens #07007	Riverton
Walgreens #09111	Salt Lake City
Walgreens #09239	Midvale
Walgreens #10415	Tooele
Walgreens #10731	Cottonwood Heights
Walgreens #10820	North Ogden
Walgreens #11150	Orem
Walgreens #11337	Cedar City
Walgreens #11524	Herriman
Walgreens #12294	Draper
Walgreens #12639	Holladay
Walgreens #15013	Ogden
Walgreens #2519	Clinton
Walgreens #2529	Syracuse
Walgreens #5737	Salt Lake City
Walgreens #5929	West Valley City
Walgreens #6282	Taylorsville
Walgreens #6988	West Jordan
Walgreens #7495	Roy
Walgreens #9237	Sandy
Walgreens #9238	Salt Lake City
Walgreens #9464	Sandy
Wal-Mart - Supercenter #1699	Layton
Wal-Mart - Supercenter #2921	Harrisville
Wal-Mart - Supercenter #3589	Salt Lake City
Wal-Mart #1440	Tooele
Wal-Mart #1708	Riverdale
Wal-Mart #1827	Park City
Wal-Mart #3232	West Jordan
Wal-Mart #3568	West Valley City
Wal-Mart #5168	Richfield
Wal-Mart #5233	West Valley City
Wal-Mart #5234	Clinton
Winco #73	Midvale
Winco #75	West Valley
Winco #78	Roy
Winco #79	Ogden
Winegars #1080	Clearfield
Winegars #3440	Roy

**TABLE 3 - HOME ENERGY SAVINGS RETAIL STORES – APPLIANCES**

Retailer	City	Ceiling Fan	Clothes Washer	Dishwasher	Electric Water Heater	Evaporative Cooler	Fixture	Refrigerator	Room Air Conditioner
ABC Kitchen Appliances	Midvale							✓	
Ace Hardware-Larsen's	Richfield								✓
Action Plumbing	West Jordan				✓				
Appliance Discount Center	Bountiful			✓				✓	
Appliance EMT	Ogden							✓	
Appliance Service by Paul Inc.	Murray							✓	
Appliance Wholesalers Plus	St. George		✓	✓					
Basin Appliance Center	Vernal		✓	✓				✓	
Becks Home Furnishings	Mt. Pleasant							✓	
Best Buy #1146	West Jordan		✓	✓				✓	✓
Best Buy #1402	American Fork		✓	✓				✓	
Best Buy #1761	Park City		✓	✓				✓	
Best Buy #496	Riverdale		✓	✓				✓	✓
Best Buy #497	Sandy		✓	✓				✓	
Best Buy #521	Murray		✓	✓				✓	✓
Best Buy #527	Salt Lake City		✓	✓				✓	
Best Buy #773	Orem		✓	✓				✓	
Best Buy #945	Logan		✓					✓	
Big Lots	South Ogden								✓
Bill's Home Furnishings Inc.	Price		✓					✓	
Blake Electric Co	Richfield							✓	
Bosch Kitchen Center	Sandy			✓				✓	
Bosch Kitchen Center	St. George			✓					
Boulevard Home Funishings	St. George		✓	✓				✓	
Boyle Appliance Center	Ogden		✓	✓				✓	
Candlelight Homes	South Jordan							✓	
Central Electric Supply Co.	Richfield						✓		
Century Lighting Center	Ogden						✓		
Charlie Fuller's Appliance	Bountiful			✓					
Charlie Fuller's Appliance	Woods Cross		✓					✓	
Clark Wholesale, Inc.	Salt Lake City		✓					✓	

Retailer	City	Ceiling Fan	Clothes Washer	Dishwasher	Electric Water Heater	Evaporative Cooler	Fixture	Refrigerator	Room Air Conditioner
Codale Electric Supply	Price						✓		
Consolidated Electrical	Sandy						✓		
Consolidated Electrical Distributors, Inc	Logan						✓		
Contract Appliance Sales, Inc.	Murray							✓	
Contract Appliance Sales, Inc.	Sandy							✓	
Costco #113	Salt Lake City	✓						✓	✓
Costco #484	Orem	✓	✓				✓		✓
Costco #487	Sandy	✓	✓					✓	✓
Costco #622	West Valley City	✓	✓					✓	✓
Costco #672	St. George	✓							
Costco #733	Lehi	✓	✓						✓
Costco #735	West Bountiful	✓							
Costco #764	Murray	✓							✓
Costco #770	South Ogden	✓							
Craftsman Kitchens & Baths	Salt Lake City							✓	
Craig's Superior Appliance Heating & Cooling, Inc.	Bountiful			✓					
Crescent Electric Supply Co.	Orem						✓		
Curtis Home Furnishings	Salina							✓	
Dan's Maytag Home Appliance Center	Sandy			✓				✓	
Darrell's Appliance Service & Sales	Benson		✓	✓				✓	
Direct Buy of Salt Lake City	Midvale		✓						
Duerden's Appliance & Mattress	Bountiful		✓					✓	
Duncan Lighting And Home	Bountiful	✓							
Electrical Supplies & Parts Plus Inc	Sandy						✓		
Electrical Wholesale	Layton	✓							
Electrical Wholesale Supply of Utah	Logan						✓		
Electrical Wholesale Supply of Utah	Salt Lake City						✓		
ESP+ INC	Sandy						✓		
EWS	Orem						✓		
EZ Rent to Own	Ogden							✓	
Ferguson Enterprises Inc	Salt Lake City							✓	
Ferguson Enterprises, Inc.	Saint George				✓				
Fisher Home Furnishings	North Logan		✓						
Frank Vaccaro Plumbing Inc	Moab				✓				

Retailer	City	Ceiling Fan	Clothes Washer	Dishwasher	Electric Water Heater	Evaporative Cooler	Fixture	Refrigerator	Room Air Conditioner
Galaxie Lighting	Lindon						✓		
Galaxie Lighting	Salt Lake City	✓					✓		
Galaxie Lighting	South Jordan						✓		
Galaxie Lighting	West Jordan	✓	✓				✓	✓	✓
Granite	Salt Lake City							✓	
Granite Furniture Company	West Jordan							✓	
Green Canyon Electrical Inc	North Logan						✓		
Green Painting	Park City						✓		
Gygi Design Innovations	Salt Lake City							✓	
Hard Hat Furniture and Appliance	Price			✓					
Herber Park Ciy Appliance	Herber City							✓	
Hill AFB Exchange	Hill Afb							✓	
Home Depot #4401	Riverdale	✓	✓	✓	✓		✓	✓	✓
Home Depot #4402	Salt Lake City	✓	✓	✓			✓	✓	✓
Home Depot #4403	Salt Lake City	✓	✓	✓			✓	✓	✓
Home Depot #4406	West Valley City	✓	✓	✓			✓	✓	✓
Home Depot #4407	Lindon	✓	✓	✓	✓		✓	✓	✓
Home Depot #4408	Centerville	✓	✓	✓			✓	✓	✓
Home Depot #4409	Sandy	✓	✓	✓	✓		✓	✓	✓
Home Depot #4410	West Jordan	✓		✓			✓	✓	✓
Home Depot #4411	Ogden	✓	✓	✓	✓		✓	✓	✓
Home Depot #4412	Washington City		✓				✓	✓	✓
Home Depot #4413	Salt Lake City	✓	✓	✓	✓		✓	✓	✓
Home Depot #4414	Logan	✓	✓	✓	✓		✓	✓	✓
Home Depot #4415	Park City	✓	✓	✓	✓		✓	✓	✓
Home Depot #4416	Provo	✓	✓	✓	✓		✓	✓	✓
Home Depot #4417	American Fork	✓	✓	✓	✓		✓	✓	✓
Home Depot #4418	Cedar City		✓	✓	✓		✓	✓	✓
Home Depot #4419	Tooele	✓	✓	✓			✓	✓	✓
Home Depot #4420	St. George	✓	✓	✓			✓	✓	✓
Home Depot #4421	Sandy	✓	✓	✓	✓		✓	✓	✓
Home Depot #4422	Richfield	✓	✓	✓	✓		✓	✓	✓
Home Depot #8566	Riverton	✓	✓	✓	✓		✓	✓	✓
Home Depot #8583	Layton	✓	✓	✓			✓	✓	✓
Hooker Appliance Inc	Logan		✓					✓	

Retailer	City	Ceiling Fan	Clothes Washer	Dishwasher	Electric Water Heater	Evaporative Cooler	Fixture	Refrigerator	Room Air Conditioner
Household Home Appliance Center	Salt Lake City							✓	
Hutch's Home Furnishings	Lehi							✓	
IKEA – Draper	Draper							✓	
Inspirations Kitchen & Bath Designs	Midvale							✓	
Island View Plumbing	North Salt Lake City						✓		
John Paras Furniture & Appliance-Ogden	Ogden		✓						
Kiesel Sales & Service	Ogden							✓	
Kimball Electronics	Salt Lake City							✓	
Kmart #7618	West Jordan								✓
Knowles Home Furnishings, Inc	Moab		✓	✓				✓	
Liddiard Home Furnishings	Tooele		✓	✓				✓	
Lighting Specialists	Midvale						✓		
Lighting Specialists	Orem						✓		
Lowell E Smith Construction	Riverton							✓	
Lowe's of Clinton	Clinton	✓	✓	✓			✓	✓	✓
Lowe's of Layton	Layton	✓	✓	✓			✓	✓	✓
Lowe's of Lehi	Lehi	✓		✓			✓	✓	✓
Lowe's of Logan	Logan	✓	✓	✓	✓		✓	✓	✓
Lowe's of Murray	Murray	✓	✓	✓			✓	✓	✓
Lowe's of Ogden	Ogden	✓	✓	✓			✓	✓	✓
Lowe's of Orem	Orem	✓	✓	✓			✓	✓	
Lowe's of Riverdale	Riverdale	✓	✓	✓			✓	✓	✓
Lowe's of Riverton City	Riverton City	✓	✓	✓			✓	✓	✓
Lowe's of Saint George	St. George		✓	✓	✓		✓	✓	✓
Lowe's of Salt Lake City	Salt Lake City	✓	✓	✓			✓	✓	✓
Lowe's of Sandy	Sandy	✓	✓	✓			✓	✓	✓
Lowe's of Vernal	Vernal		✓	✓			✓	✓	✓
Lowe's of West Bountiful	West Bountiful	✓	✓	✓			✓	✓	✓
Lowe's of West Jordan	West Jordan	✓	✓	✓			✓	✓	✓
Lowe's of West Valley City	West Valley City	✓	✓				✓	✓	✓
Mel Hanks & Sons, Inc.	Salem							✓	
Mountain Land Design	South Salt Lake City		✓					✓	
Mountain Lighting	Cedar City	✓							
Mountainland Design Culinary & Bath Environments	Salt Lake City							✓	

Retailer	City	Ceiling Fan	Clothes Washer	Dishwasher	Electric Water Heater	Evaporative Cooler	Fixture	Refrigerator	Room Air Conditioner
Murphy's Appliance	Brigham City		✓					✓	✓
Ogden's Superstore	Richfield			✓				✓	
Prestige Lighting	Orem	✓							
R & V Management LLC	Sandy							✓	
Rasmussen's Ace Hardware	Gunnison							✓	
RC Willey Appliances-Murray	Murray		✓	✓				✓	✓
RC Willey Appliances-Orem	Orem		✓	✓				✓	
RC Willey Appliances-Provo	Provo		✓	✓				✓	
RC Willey Appliances-Riverdale	Riverdale		✓	✓				✓	✓
RC Willey Appliances-South Salt Lake City	Salt Lake City		✓	✓				✓	✓
RC Willey Appliances-Syracuse	Syracuse		✓	✓				✓	
RC Willey Appliances-Taylorsville	Taylorsville		✓	✓				✓	✓
RC Willey Appliances-West Jordan Outlet Store	West Jordan		✓	✓				✓	
RCWilley.com			✓					✓	
Reliable Electric Company	Salem						✓		
Richmond Miller Springs	Salt Lake City			✓				✓	
Roper Lumber Company	Fillmore							✓	
Royal Wholesale Electric	Ogden						✓		
Sam's Club - West Jordan	West Jordan								✓
Sam's Club of Murray	Murray								✓
Sam's Club of Riverdale	Riverdale								✓
Scholzen Products Company Inc	St. George				✓				
Sears #1118	Salt Lake City		✓	✓				✓	✓
Sears #1269	W. Valley City		✓	✓				✓	
Sears #1301	Provo		✓	✓				✓	
Sears #1558	Murray		✓	✓				✓	✓
Sears #1718	Ogden		✓	✓				✓	✓
Sears #1815	Clinton							✓	✓
Sears #1888	West Jordan		✓	✓				✓	✓
Sears #2220	St. George		✓	✓				✓	
Sears #2559	Sandy		✓	✓				✓	
Sears #3058	Price		✓	✓				✓	
Sears #3519	Vernal		✓					✓	
Sears #3529	Cedar City		✓	✓				✓	

Retailer	City	Ceiling Fan	Clothes Washer	Dishwasher	Electric Water Heater	Evaporative Cooler	Fixture	Refrigerator	Room Air Conditioner
Sears #3539	Logan		✓	✓			✓	✓	✓
Sears #3962	Richfield		✓					✓	
Sears #5202	Heber City		✓	✓				✓	
Sears #7408	Tooele		✓	✓				✓	
Sears #7529	Orem		✓					✓	
Sears Home Improvement Products	Salt Lake City						✓		
Sears of Logan	Logan		✓					✓	
Smith's Marketplace	Salt Lake City								✓
Southeastern Appliance Center	Moab		✓	✓				✓	
Southwest Appliance	Cedar City		✓					✓	
Sparrow's Home Furnishings	Roy							✓	
St. George Winnelson Co.	St George				✓				
Standard Plumbing Supply Co	Sandy				✓				
Sutherland Bldg Material Shopping Centers, Inc.	Price					✓	✓		✓
Sutherlands	Salt Lake City						✓		✓
Target of Salt Lake City	Salt Lake City								✓
The Lighthouse	Sandy	✓							
The Lighting Design Company	Draper	✓					✓		
Thomson Premier Lighting and Appliance Center	Logan						✓	✓	
True Value Hardware	Vernal		✓						
Tuft Bosch Kitchen Center	South Jordan							✓	
USA Appliance	Salt Lake City							✓	
Wal-Mart - Supercenter #2921	Harrisville								✓
Walmart of Centerville	Centerville								✓
Walmart of Layton	Layton								✓
Walmart of Ogden	Ogden								✓
Wel-Lit Homes, Inc.	Ogden	✓							
Whirlpool Quality Express Salt Lake	Salt Lake City			✓					
Wilkinson's House Of Lighting	St. George	✓							
Winnelson Co	Vernal				✓				
Woodcraft Mill & Cabinet	Salt Lake City							✓	

**TABLE 4 - HOME ENERGY SAVINGS HVAC CONTRACTORS**

Contractor Name	City	Central Air Conditioner (CAC)	CAC Best Practices Installation	CAC Proper Sizing	CAC Tune-up	Heat Pump Tune-up	Heat Pump Water Heater	Gas Furnace with ECM	Evaporative Cooler	Duct Sealing & Duct Insulation
A + Mechanical LLC	Riverton	✓	✓	✓						
A Better Service Co	Murray								✓	
A-1 Services, Inc.	St. George	✓		✓						
AAA Cooling & Heating Inc.	Sandy	✓	✓	✓						
ABC Swampcooler	Layton								✓	
Absolute Air	Mapleton	✓	✓	✓	✓	✓				
Absolute Quality Air Inc	Salt Lake City	✓	✓	✓						
Ace Air Conditioning & Heating LLC	Murray								✓	
ACMART	Midvale	✓	✓	✓						
Action Plumbing & Heating	West Jordan	✓	✓	✓						
Advanced Heating & AC	Logan	✓		✓						
Advantage Heating & Air Inc.	West Jordan	✓	✓	✓						
Affordable Heating and Cooling Inc	Salt Lake City	✓	✓	✓						
Air Design Heating & Cooling LLC	Draper	✓	✓	✓						
Air Force Heating & A/C Inc.	Orem	✓		✓						
Air Now Heating & Air Conditioning LLC	Ogden	✓		✓						
Air Tight Energy	Orem				✓	✓				✓
Aire Espresso	Tooele	✓	✓	✓						
Aire Serv of Salt Lake / Tooele (DBA Benchview Enterprises Inc)	Salt Lake City	✓	✓	✓						
All Pro Heating & Cooling Inc.	North Ogden	✓	✓	✓						
All Service of Utah Inc.	Ogden								✓	
American Heating & Cooling	Clearfield	✓	☐	✓						
Anderson HVAC Inc.	Pleasant View	✓	✓	✓						
Angler's HVAC Inc.	North Salt Lake City	✓	☐	✓					✓	
Any Hour Inc.	Orem	✓	✓	✓						
Arrant Heating & Air Conditioning Inc.	Clearfield	✓	✓	✓					✓	
Artic Air of Southern Utah	St. George	✓	✓	✓						



Contractor Name	City	Central Air Conditioner (CAC)	CAC Best Practices Installation	CAC Proper Sizing	CAC Tune-up	Heat Pump Tune-up	Heat Pump Water Heater	Gas Furnace with ECM	Evaporative Cooler	Duct Sealing & Duct Insulation
Arv's Trailer Repair LLC	West Haven	✓	☐	✓						
Aspen Heating & Cooling LLC	Cottonwood Heights	✓	✓	✓						
Atlas Heating & Cooling Inc.	Salt Lake City	✓	✓	✓						
Atmosphere Technologies	West Valley City	✓	✓	✓						
Bergmann Heating and Air Conditioning LLC	Orem	✓	✓	✓						
Bills Comfort Systems	Layton	✓	✓	✓						
Boulard Heating and Air Conditioning	West Jordan	✓	✓	✓						
Budget Heating And Air Inc.	West Jordan	✓		✓				✓	✓	
Bush Builders LLC	Sandy	✓		✓						
Call Climate Service LLC	Centerville	✓	✓	✓						
Cardall's Insulation	Logan									✓
Carpenter Furnace Co Inc.	Ogden	✓	✓	✓						
Central Valley Mechanical	Nephi	✓		✓					✓	
Christoffersen Heating and Air Conditioning Inc.	North Logan	✓	✓	✓						
Clear Comfort Heating & A/C LLC	Grantsville	✓		✓						
Clough Mechanical Services LLC	Midvale	✓		✓						
Cluff Building & Fencing LLC	Manti	✓		✓						
Comfort Champions Heating & Cooling	Draper	✓	✓	✓				✓		
Comfort Control	South Jordan	✓		✓					✓	
Comfort Solutions	Ogden	✓	✓	✓						
Comfort Systems USA Intermountain	Salt Lake City	✓	✓	✓						
Comfort Tech (DBA Aire Service of Utah Valley)	Orem	✓		✓					✓	
Comfort Zone Heating and Air	Herriman	✓	✓	✓						
Complete Comfort Heating and Air Conditioning Inc.	Springville	✓	✓	✓						
Crofts HVAC-R Inc	Panguitch				✓					✓
CTR Heating and Air	West Jordan	✓		✓					✓	
Custom Comfort Plumbing, Heating, and Cooling	Centerville	✓		✓				✓		
CW Heating and Air	Riverton				✓	✓		✓		
D Blake Electric & Refrigeration Inc.	St. George	✓		✓					✓	

Contractor Name	City	Central Air Conditioner (CAC)	CAC Best Practices Installation	CAC Proper Sizing	CAC Tune-up	Heat Pump Tune-up	Heat Pump Water Heater	Gas Furnace with ECM	Evaporative Cooler	Duct Sealing & Duct Insulation
Delta Mechanical	Delta	✓		✓						
Denny's Service Co LLC	South Ogden	✓	✓	✓						
Desert Star Heating and Air Conditioning	Millcreek	✓		✓						
Design Comfort	Salt Lake City				✓	✓			✓	
Dick Kearsley Service Center	Clearfield	✓		✓					✓	
DMC Heating and A/C LLC	Tremonton	✓		✓				✓		
Eagar Heating & Cooling	Pleasant Grove								✓	
Elite Energy Solutions	Orem							✓		✓
Energy Savers Insulation	Layton									✓
Environmental Refrigeration Specialties Inc.	Roy	✓		✓					✓	
ESCO Services	Salt Lake City	✓	✓	✓						
Express Air Heating & Cooling	Sandy	✓		✓						
Exquisite Plumbing, Remodel, Heating and Air	Riverton	✓		✓						
Fresh Air Heating & Cooling LLC	Murray	✓		✓				✓		
Furmark Inc.	Riverdale	✓		✓					✓	
Gary Ricks Services Inc.	Logan	✓		✓						
Gause Heating	Santaquin	✓		✓					✓	
Graves Heating & Building Inc.	Springville	✓		✓						
Gunther's Comfort Air	American Fork	✓	✓	✓				✓		
Hartman Plumbing Heating and Air	Murray	✓	✓	✓						
Harwood Mechanical	North Salt Lake City	✓		✓					✓	
Healthy Home Plumbing, Heating, and AC	Salt Lake City	✓		✓					✓	
High Country HVAC Inc.	Farmington	✓	✓	✓	✓	✓				
Holmes and Holmes Inc.	Magna	✓		✓				✓		
Home Energy Basics	Salt Lake City									✓
Home Energy Solutions	Layton									✓
Horizon HVAC	Layton	✓		✓						
Huish Heating and A/C Inc.	Taylorville	✓	✓	✓						
Humphrey Heating & Air	Bountiful	✓		✓				✓		

Contractor Name	City	Central Air Conditioner (CAC)	CAC Best Practices Installation	CAC Proper Sizing	CAC Tune-up	Heat Pump Tune-up	Heat Pump Water Heater	Gas Furnace with ECM	Evaporative Cooler	Duct Sealing & Duct Insulation
HVAC Construction Inc	North Salt Lake City	✓		✓					✓	
Intermountain Swamp Cooler Services Inc.	Murray								✓	
J & M Plumbing	West Jordan	✓		✓					✓	
JM Mechanical	Hyde Park	✓		✓						
Johansen Heating & Air	LaVerkin	✓	✓	✓	✓	✓		✓	✓	✓
Jones Heating And A/C	West Valley City	✓		✓						
Just Right Heating And Cooling	Salt Lake City	✓	✓	✓						
K Lund Mechanical Inc.	West Jordan	✓		✓						
K.O. Installers Inc.	Hooper									
KC Heating and Air	Murray	✓		✓						
Kelly's Insulation	Layton									✓
Kelly's Heating and Cooling Inc	West Jordan	✓		✓				✓		
Kent L Frampton Heating and AC	Sandy	✓		✓					✓	
KJ Mechanical Inc.	Eden	✓		✓					✓	
KJ Plumbing and Heating	Delta	✓		✓					✓	
Komfort Kings	Herriman	✓	✓	✓					✓	
L.J. Kaufman	Salt Lake City								✓	
Lee's Heating A/C & Refrigeration	Salt Lake City	✓	✓	✓					✓	
Manwill Plumbing & Heating	Salt Lake City	✓	✓	✓	✓	✓				✓
Mel Fowers Heating and Cooling Inc.	Ogden	✓		✓						
Mike Hansen's HVAC Solutions	Syracuse	✓		✓			✓		✓	✓
Moore Sheet Metal	Payson	✓	✓	✓						
Mountain Air Conditioning and Heating	Ogden	✓	✓	✓						
Mountainwest HVAC Inc	North Salt Lake City	✓	✓	✓						
Neerings Plumbing & Heating Inc.	Salt Lake City	✓	✓	✓						
Next Generation Inc.	West Valley City								✓	
Outfitters HVAC	Centerville	✓	✓	✓						
Parley's PPM Inc.	Orem	✓	✓	✓					✓	
Perform Heating and Cooling	Bountiful	✓	✓	✓				✓		
Performance HVAC LLC	Sandy	✓	✓	✓						
Peterson Refrigeration and Mechanical	Gunnison	✓		✓						

Contractor Name	City	Central Air Conditioner (CAC)	CAC Best Practices Installation	CAC Proper Sizing	CAC Tune-up	Heat Pump Tune-up	Heat Pump Water Heater	Gas Furnace with ECM	Evaporative Cooler	Duct Sealing & Duct Insulation
Pleasant Air	Pleasant Grove	✓		✓				✓	✓	
Pollard Heating and Air Conditioning	Salt Lake City	✓	✓	✓						
Pond's Plumbing Heating and AC	North Salt Lake City	✓	✓	✓					✓	
Precise Plumbing, Heating, Air Conditioning, and Construction	Midvale	✓		✓					✓	
Precision Air Management	Lehi	✓		✓					✓	
Preferred Service Inc.	South Jordan	✓		✓						
Professional Heating & AC	Pleasant Grove	✓	✓	✓						
RCB Inc	Centerville	✓		✓						
Rentmeister Total Home Service	Syracuse	✓	✓	✓					✓	
Right Call Heating & Air Conditioning LLC	West Valley City	✓		✓				✓	✓	
Robert Love Heating And A/C	Layton	✓	✓	✓						
Salmon HVAC	Centerville	✓		✓					✓	
Same Day Heating & Air DBA Air Comfort	Salt Lake City	✓	✓	✓						
Scott Hale Plumbing, Heating, and AC	Murray								✓	
Seal-Tech	Layton									✓
Select Comfort Systems	West Jordan	✓	✓	✓						
Service Experts	Midvale	✓	✓	✓						
Service Experts	Ogden	✓	✓	✓						
Service Experts	Provo	✓	✓	✓						
Smedley and Associates Plumbing and Heating	Layton	✓	✓	✓	✓	✓				
Snow Canyon Heating and Cooling Inc	St. George	✓		✓					✓	
Southwest Air Conditioning	St. George	✓		✓					✓	
Spartan Mechanical	Ogden	✓		✓					✓	
SR Mechanical Inc.	Salina	✓	✓	✓						
St. George Heating and Air Conditioning	St. George	✓		✓					✓	
Step Into Comfort	Midvale	✓		✓					✓	
Summit Air Systems Inc.	Kaysville	✓	✓	✓						
Summit Heating & AC	Park City	✓		✓						
Summit Insulation Inc.	West Valley City									✓

Contractor Name	City	Central Air Conditioner (CAC)	CAC Best Practices Installation	CAC Proper Sizing	CAC Tune-up	Heat Pump Tune-up	Heat Pump Water Heater	Gas Furnace with ECM	Evaporative Cooler	Duct Sealing & Duct Insulation
Superior Water & Air, Inc.	West Valley City	✓	✓	✓					✓	
Swamptech	Murray								✓	
Taylor HVAC	Sandy	✓	✓	✓						
Tenko Metals	Logan	✓		✓						
The Home Depot (all stores in Utah)	West Valley City								✓	
Thompson's Heating and Air Conditioning	Midvale	✓	✓	✓						
Tremonton Heating & Cooling	Tremonton	✓	✓	✓						
Triple T	Spanish Fork	✓	✓	✓						
Trumax Inc.	Millcreek	✓		✓					✓	
Wall Service Inc	West Valley City	✓		✓						
Welch Heating and Air Conditioning	Taylorville	✓	✓	✓						
West Brothers Inc.	Salt Lake City	✓	✓	✓				✓		
Western Heating and Air Conditioning	Orem	✓	✓	✓						
Western Mechanical Inc.	Logan	✓		✓	✓	✓				
West-Tech Service Inc.	Salt Lake City	✓		✓					✓	
Whipple Service Champions	Salt Lake City	✓	✓	✓						
Wrights Air Systems	Provo				✓	✓				
Xcellence	Park City	✓		✓				✓	✓	
Zephyr Clean Air	Sandy	✓		✓	✓	✓				

**TABLE 5 - HOME ENERGY SAVINGS WEATHERIZATION CONTRACTORS**

Contractor Name	City	Attic Insulation	Floor Insulation	Wall Insulation	Windows
Air Tight Energy	Orem	✓	✓	✓	
All Purpose Windows, Doors & Insulation	St. George	✓	✓	✓	✓
American Exteriors LLC	West Valley City				✓
Archery Contracting Inc.	West Valley City	✓	✓	✓	

Contractor Name	City	Attic Insulation	Floor Insulation	Wall Insulation	Windows
Attic Insulation Inc.	West Jordan	✓	✓	✓	
Attic Pro Insulation	American Fork	✓	✓	✓	
Best Property Improvements Inc.	Holladay	✓	✓	✓	
Bruce Allsop Insulation	Hyrum	✓	✓	✓	
Cardall's Insulation	Lindon	✓	✓	✓	
Cluff Building & Fencing LLC	Manti	✓	✓	✓	
Double T Inc.	Salt Lake City				✓
Elite Energy Solutions	Orem	✓	✓	✓	
Empire Remodeling	Salt Lake City	✓	✓	✓	
Energy Savers Insulation	Layton	✓	✓	✓	
Energy Wise Insulation	Salt Lake City	✓	✓	✓	
Greenhome Specialties	Layton	✓	✓	✓	
Gunther's Comfort Air	American Fork	✓	✓	✓	
Hansen All Season's	Lindon	✓	✓	✓	✓
Harley Construction	American Fork	✓	✓	✓	
Home Energy Basics	Salt Lake City	✓	✓	✓	✓
Home Energy Solutions	Layton	✓	✓	✓	
Homestar Windows and Doors	Highland				✓
Hone Insulation	Levan	✓	✓	✓	
Imperial Windows and Door	Cedar City				✓
ITS Insulation	Bountiful	✓	✓	✓	
ITS Insulation	West Jordan	✓	✓	✓	
J & K Insulation LLC	Pleasant View	✓	✓	✓	
Kelly's Insulation	Layton	✓	✓	✓	
Kendall Insulation	Ogden	✓	✓	✓	
Larsen's Ace Hardware	Richfield	✓	✓	✓	
Midvalley Glass and Window	Midvale				✓
Morrison Insulation	St. George	✓	✓	✓	
Nelson Insulation	Roy	✓	✓	✓	
North Stream Inc.	Salt Lake City	✓	✓	✓	
Norton's Quality Exteriors	Midvale	✓	✓	✓	
Outwest Insulation	St. George	✓	✓	✓	
Peachtree Insulation	Layton	✓	✓	✓	
Pella Windows and Doors	Salt Lake City				✓
Precision Building, LLC	Sandy	✓	✓	✓	✓
Raven Roofing & Construction	Eagle Mountain	✓	✓	✓	✓

Contractor Name	City	Attic Insulation	Floor Insulation	Wall Insulation	Windows
RS Aluminum	Salt Lake City	✓	✓	✓	✓
SB Window Sales	Salt Lake City				✓
SB Window Sales	St. George				✓
Seal Tech	Layton	✓	✓	✓	✓
Summit Insulation Inc.	West Valley City	✓	✓	✓	
Sunroc Building Materials	Lindon	✓	✓	✓	
Superior Sales & Service	Salt Lake City	✓	✓	✓	
Tonks Insulation	Washington	✓	✓	✓	
Utah Attic Insulation	Salt Lake City	✓	✓	✓	
Valley Glass	Ogden				✓
White Leaf Windows	Bountiful				✓
Window World of Central Utah	Spanish Fork				✓
Window World of Salt Lake City	Murray				✓
Zephyr Clean Air	Sandy	✓	✓	✓	



## Appendix 6

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### Utah Low Income



# Weatherization Assistance Program

## WHO IS ELIGIBLE?

Weatherization helps low-income individuals and families reduce energy costs and increase comfort and safety in their homes. People whose income does not exceed the gross annual income listed below are eligible for Weatherization.

<b># in Household</b>	<b>Annual Income</b>	
1	\$22,340	<p>To qualify, you must meet DOE's definition of income. Your gross annual income must be at or below the guidelines listed to the left.</p> <ul style="list-style-type: none"> <li>■ Proof of income eligibility must be included with all applications.</li> <li>■ If your home has been weatherized after 9/30/1994, you may not be eligible for Weatherization Services.</li> <li>■ 2012 Poverty Guidelines eff. January 26, 2012.</li> </ul>
2	\$30,260	
3	\$38,180	
4	\$46,100	
5	\$54,020	
6	\$61,940	
7	\$69,860	
8	\$77,780	



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## Appendix 7

### Utah Trade Ally's

The following is a list of contractors, distributors and other businesses participating in Rocky Mountain Power's Energy Efficiency Alliance displayed in random order (unless sorted by the user) based on the search criteria selected. This listing is provided solely as a convenience to our customers. Rocky Mountain Power does not warrant or guarantee the work performed by these participating vendors. You are solely responsible for any contract with a participating vendor and the performance of any vendor you have chosen.

An asterisk (\*) indicates Rocky Mountain Power Outstanding Contribution Award winning trade allies in 2006, 2007, 2008, 2009, 2010, 2011 and/or 2012

### Search Criteria:

**Selected State(s):** Utah  
**Specialties:** Lighting  
 HVAC - unitary  
 HVAC - evaporative  
 Motors and VFDs  
 Controls  
 Building envelope  
 Appliances  
 Office Equipment  
 Food Service  
 Compressed Air  
 Farm and Dairy  
 Irrigation  
 Other  
**Business Type:** --ANY--

### Search Results: 269 - Date and Time: 04/16/2013 03:06:31 PM

Company Name	Specialties	Business Type	Join Date	Projects Completed
<b>ESCO</b> 2525 South 300 West South Salt Lake, UT Phone: 801-486-8421 Website: escoservice.com	Lighting	Contractor	07/04/2004	28
<b>Wasatch Electric</b> 2455 West 1500 South Suite A Salt Lake City, UT Phone: 801-487-4511 Website: wasatchelectric.com	HVAC - unitary Lighting Motors and VFDs Other: Other Specialty	Contractor	02/01/2010	Completed
<b>HVAC Equipment Sales, Inc.</b> 4060 S. 500 W. Salt Lake City, UT Phone: 801-266-4559 Website: hvacequipmentsales.com	Controls HVAC - evaporative HVAC - unitary Motors and VFDs	Distributor	09/01/2005	Completed
<b>Utah Yamas Controls Inc.</b> 13526 S. 110 W. Draper, UT Phone: 801-990-1950 Website: www.utahyamas.com	Building envelope Controls HVAC - evaporative HVAC - unitary Lighting Motors and VFDs Other: Other Specialty	Contractor Distributor Engineering Firm Manufacturer - Rep	01/21/2013	Completed
<b>Johnstone Supply Company</b> 2940 South 300 West Salt Lake City, UT Phone: 801-486-4401 Website: johnstonesupply.com	HVAC - unitary Motors and VFDs Other: Other Specialty	Distributor	01/01/2008	Completed
<b>Clark's Quality Roofing, Inc.</b> 334 W. Anderson Avenue Salt Lake City, UT Phone: 801-266-3575 Website: clarkroof.com	Building envelope	Contractor	09/19/2012	null
<b>Chambers Electric Inc.</b> 696 W 2300 S Syracuse, UT Phone: 801-552-8373	Lighting	Contractor	09/21/2012	null

Company Name	Specialties	Business Type	Join Date	Projects Completed
<b>ESP+*</b> 9580 South 500 West Sandy, UT Phone: 801-566-0600 Website: espplus.net	Lighting	Distributor	04/05/2005	288
<b>Layton Sales Agency</b> 4404 W. 2100 S. Salt Lake City, UT Phone: 801-973-8100 Website: laytonsales.com	Lighting	Manufacturer - Rep	02/10/2007	1
<b>Platt Electric Supply, Inc. - Tooele</b> 1183 North 80 East Tooele, UT Phone: 435-843-7335 Website: platt.com	Lighting	Distributor	11/16/2007	2
<b>Mechanical Products Intermountain</b> 198 W. Cottage Ave Sandy, UT Phone: 801-352-9003 Website: mp-int.com	Controls HVAC - evaporative HVAC - unitary	Distributor Manufacturer - Rep	06/01/2008	Completed
<b>Kaman Industrial Technologies</b> 1750 S 4370 W Salt Lake City, UT Phone: 801-975-2000 Website: kamandirect.com	Motors and VFDs	Distributor	09/01/2004	Completed
<b>Real Green LED</b> 4280 W. 200 N. Cedar City, UT Phone: 951-235-0382 Website: www.realgreen.net	Lighting	Distributor	09/01/2012	Completed
<b>LED Energy Systems</b> 1700 S Dixie Highway, Suite 306 Boca Raton, FL Phone: 561-288-1201 Website: www.ledenergysystems.com	Lighting	Distributor	12/18/2012	Completed
<b>Nelson Brothers Electric</b> 3121 West Directors Row Salt Lake City, UT Phone: 801-886-3003	Lighting	Contractor	03/26/2009	2
<b>Tri-Phase Electric</b> 775 East 930 South American Fork, UT Phone: 801-756-6008	Lighting	Contractor	05/30/2005	3
<b>Schooley Electric Inc.</b> 676 W. 8th Ave Midvale, UT Phone: 801-641-3395	Lighting	Contractor	03/26/2009	7
<b>ADG Eco Lighting</b> 29397 Agoura Ed. #110 Agoura Hills, CA Phone: 818-597-9494	Lighting	Other	09/22/2012	Completed null
<b>Positive Power LLC</b> 4658 W. 1150 S. Ogden, UT Phone: 801-732-0680	Controls Lighting Motors and VFDs	Contractor Distributor	03/06/2006	11
<b>Red Peak Electric, Inc.</b> 9526 Chavez Dr. South Jordan, UT Phone: 801-330-3575	HVAC - unitary Lighting Motors and VFDs	Contractor	07/01/2005	2

<b>Energy Management Corporation*</b> 501 West 700 South Salt Lake City, UT Phone: 801-366-4100 Website: emcsolutions.com	<b>Specialties</b> HVAC - unitary Motors and VFDs	<b>Business Type</b> Distributor	<b>Join Date</b> 05/01/2004	<b>Projects Completed</b> 7
<b>Golden Spike Electric</b> 12058 N. Harley Dr. Garland, UT Phone: 435-279-4861	<b>Specialties</b> HVAC - unitary Lighting Motors and VFDs Other: Other Specialty	<b>Business Type</b> Contractor	<b>Join Date</b> 03/01/2010	<b>Projects Completed</b> 3
<b>Advanced Energy Lighting Technology</b> 146 N. Old Highway 91 Suite 4 Hurricane,, UT Phone: 435-703-0711	<b>Specialties</b> Lighting	<b>Business Type</b> Distributor	<b>Join Date</b> 06/06/2006	<b>Projects Completed</b> 17
<b>First Service Mechanical</b> Salt Lake City, UT Phone: 801-968-4220	<b>Specialties</b> HVAC - unitary	<b>Business Type</b> Distributor	<b>Join Date</b> 07/01/2010	<b>Projects Completed</b> 1
<b>Booth Noble &amp; Associates LLC</b> 1713 N Hayes Dr Layton, UT Phone: 801-550-6886	<b>Specialties</b> HVAC - unitary	<b>Business Type</b> Manufacturer - Rep	<b>Join Date</b> 09/01/2008	<b>Projects Completed</b> 1
<b>Highland Electric Corp.</b> 687 W. 6960 S. Suite A, Midvale, UT Phone: 801-562-5317 Website: www.highlandelectric.net	<b>Specialties</b> Lighting	<b>Business Type</b> Contractor	<b>Join Date</b> 09/10/2010	<b>Projects Completed</b> 9
<b>Meyer Lighting &amp; Supply LLC</b> 1192 Draper Parkway #212 Draper, UT Phone: 801-523-3980	<b>Specialties</b> Lighting	<b>Business Type</b> Distributor	<b>Join Date</b> 03/06/2006	<b>Projects Completed</b> 12
<b>Light Solutions, LLC</b> 68 East 450 South Farmington, UT Phone: 801-864-7080	<b>Specialties</b> Lighting	<b>Business Type</b> Distributor	<b>Join Date</b> 06/04/2004	<b>Projects Completed</b> 13
<b>Bob McPhie Electric, Inc.</b> 1249 North 80 East Tooele, UT Phone: 435-882-1476 Website: applied.com	<b>Specialties</b> Motors and VFDs	<b>Business Type</b> Contractor	<b>Join Date</b> 12/01/2004	<b>Projects Completed</b> 1
<b>US Energy Recovery, LLC.</b> 2024 W. 1st Street, Suite 103 Tempe, AZ Phone: 480-203-2485 Website: www.usenergyrec.com	<b>Specialties</b> Lighting	<b>Business Type</b> Other	<b>Join Date</b> 02/01/2012	<b>Projects Completed</b> 1
<b>HKI Corporation</b> 10942 N. 5920 W. Highland, UT Phone: 801-360-1371	<b>Specialties</b> Lighting	<b>Business Type</b> Contractor	<b>Join Date</b> 08/10/2010	<b>Projects Completed</b> 1
<b>APC Sales and Service Corp.</b> 132 Fairgrounds Road West Kingston, RI Phone: 714-513-7371 Website: www.schneider-electric.com	<b>Specialties</b> Lighting	<b>Business Type</b> Other	<b>Join Date</b> 03/01/2012	<b>Projects Completed</b> 1

<b>Evolve Guest Controls</b> 85 Denton Avenue New Hyde Park, NY Phone: 516-448-1862 Website: eguestcontrols.com	<b>Specialties</b> Controls Other: Other Specialty	<b>Business Type</b> Contractor Manufacturer - Rep	<b>Join Date</b> 06/01/2012	<b>Projects Completed</b> 7
<b>Grainger Industrial Supply*</b> 2775 S. 900 W. Salt Lake City, UT Phone: 801-972-1340 Website: grainger.com	<b>Specialties</b> HVAC - unitary Lighting Motors and VFDs	<b>Business Type</b> Distributor	<b>Join Date</b> 07/04/2004	<b>Projects Completed</b> 65
<b>KHI Mechanical</b> 2630 S 3270 W Ste B Salt Lake City, UT Phone: 801-972-2680	<b>Specialties</b> HVAC - unitary Motors and VFDs	<b>Business Type</b> Contractor	<b>Join Date</b> 01/01/2009	<b>Projects Completed</b> 1
<b>qatest</b> 2324 amy street fostercity, CA Phone: 343-434-3434 x 3434	<b>Specialties</b> Appliances	<b>Business Type</b> Architect	<b>Join Date</b> 04/02/2013	<b>Projects Completed</b> 22
<b>Conserv-A-Watt*</b> 2327 South Decker Lake Blvd West Valley City, UT Phone: 801-975-9363 Website: Cawlighting.com	<b>Specialties</b> Lighting	<b>Business Type</b> Distributor	<b>Join Date</b> 04/03/2003	<b>Projects Completed</b> 53
<b>Electrical Wholesale Supply* - Murray, UT</b> P.O. Box 57857 Murray, UT Phone: 801-268-2555 Website: ewsutah.com	<b>Specialties</b> Lighting	<b>Business Type</b> Distributor	<b>Join Date</b> 01/20/2007	<b>Projects Completed</b> 25
<b>Mor-Lite, Inc.</b> P.O. Box 684424 Park City, UT Phone: 801-597-8300 Website: mor-lite.com	<b>Specialties</b> Lighting	<b>Business Type</b> Manufacturer - Rep Other	<b>Join Date</b> 03/26/2009	<b>Projects Completed</b> 1
<b>Kaman Industrial Technologies</b> 2734 South 1900 West, Suite A Ogden, UT Phone: 801-399-5683 Website: kamandirect.com	<b>Specialties</b> Motors and VFDs	<b>Business Type</b> Distributor	<b>Join Date</b> 09/01/2004	<b>Projects Completed</b> 1
<b>G3 Design Build</b> 706 B East 50 South American Fork, UT Phone: 801-756-5980	<b>Specialties</b> HVAC - unitary Motors and VFDs	<b>Business Type</b> Contractor	<b>Join Date</b> 09/01/2008	<b>Projects Completed</b> 1
<b>Sloan LED</b> 5725 Olivas Park Dr. Ventura, CA Phone: 510-999-0988 Website: www.sloanled.com	<b>Specialties</b> Food Service Lighting	<b>Business Type</b> Manufacturer - Rep	<b>Join Date</b> 06/19/2012	<b>Projects Completed</b> 1
<b>Joe Sorensen Construction</b> 3960 Spanish Valley Drive Moab, UT Phone: 435-259-5948 Website: conklin.com/site/jsorensen	<b>Specialties</b> Building envelope Other: Other Specialty	<b>Business Type</b> Contractor Distributor Manufacturer - Rep	<b>Join Date</b> 04/01/2007	<b>Projects Completed</b> 1
<b>A-C Electric Inc.*</b> 729 South 330 West Salt Lake City, UT Phone: 801-364-1747 Website: CampbellAndBruce.com	<b>Specialties</b> Lighting	<b>Business Type</b> Contractor	<b>Join Date</b> 04/03/2003	<b>Projects Completed</b> 45

# Energy Efficiency Alliance



<b>Dan Hola Inc</b> 2913 Grant Ave Ogden, UT Phone: 801-399-5100	<b>Specialties</b> HVAC - unitary Motors and VFDs	<b>Business Type</b> Contractor	<b>Join Date</b> 03/01/2009	<b>Projects Completed</b> Completed
<b>Ken Garner Engineering, Inc.</b> 102 W. 500 S. Suite 225, Salt Lake City, UT Phone: 801-328-8800 Website: kengarner.com	<b>Specialties</b> Lighting	<b>Business Type</b> Engineering Firm	<b>Join Date</b> 05/11/2011	<b>Projects Completed</b> Completed
<b>Triple T</b> Spanish Fork, UT Phone: 801-798-7711 Website: tripletheating.com	<b>Specialties</b> HVAC - unitary	<b>Business Type</b> Contractor	<b>Join Date</b> 03/01/2010	<b>Projects Completed</b> Completed
<b>USAirconditioning Distributors</b> Salt Lake City, UT Phone: 801-485-8071 Website: utahvac.com	<b>Specialties</b> HVAC - unitary	<b>Business Type</b> Distributor	<b>Join Date</b> 10/01/2008	<b>Projects Completed</b> Completed
<b>BMCI Electric Inc.</b> P.O. Box 443 Heber City, UT Phone: 435-671-2112	<b>Specialties</b> Lighting	<b>Business Type</b> Contractor	<b>Join Date</b> 02/10/2010	<b>Projects Completed</b> 1
<b>ePlusGreen Inc.</b> 7951 SW 6th Street, Fort Lauderdale FL 33324 Suite 208, Ft Lauderdale, FL Phone: 954-236-5037 Website: <a href="http://www.eplusgreen.com/pro/index.html">http://www.eplusgreen.com/pro/index.html</a>	<b>Specialties</b> Office Equipment Other: Other Specialty	<b>Business Type</b> Contractor Distributor Engineering Firm Other	<b>Join Date</b> 01/10/2013	<b>Projects Completed</b> Completed
<b>A &amp; F Electric</b> 1830 S Hwy 21 Milford, UT Phone: 435-691-2326 Website: afelectric.com	<b>Specialties</b> HVAC - evaporative HVAC - unitary Motors and VFDs	<b>Business Type</b> Contractor Distributor	<b>Join Date</b> 07/01/2009	<b>Projects Completed</b> 2
<b>Thomas Electric Co</b> 549 W 200 S Salt Lake City, UT Phone: 801-363-8817	<b>Specialties</b> Motors and VFDs	<b>Business Type</b> Distributor	<b>Join Date</b> 08/01/2009	<b>Projects Completed</b> Completed
<b>KW Electric, Inc.</b> 963 South 4475 West Cedar City, UT Phone: 435-592-3375	<b>Specialties</b> Lighting Motors and VFDs	<b>Business Type</b> Contractor	<b>Join Date</b> 04/03/2008	<b>Projects Completed</b> Completed
<b>Crescent Electric Supply Co. - Salt Lake City</b> 3140 South 300 West Salt Lake City, UT Phone: 801-486-0701 Website: www.cesco.com	<b>Specialties</b> Lighting	<b>Business Type</b> Distributor	<b>Join Date</b> 10/17/2012	<b>Projects Completed</b> 28
<b>Jenson Lighting Maintenance/Refrigeration, Inc.</b> 539 W Billins Rd Salt Lake City, UT Phone: 801-262-7800	<b>Specialties</b> Controls HVAC - evaporative HVAC - unitary Motors and VFDs	<b>Business Type</b> Contractor Manufacturer - Rep	<b>Join Date</b> 06/01/2005	<b>Projects Completed</b> Completed

# Energy Efficiency Alliance



<b>Carver Energy Services Inc.*</b> 2099 E 10180 S Sandy, UT Phone: 801-652-4572 Website: carverenergyservices.com	<b>Specialties</b> Lighting Motors and VFDs	<b>Business Type</b> Contractor	<b>Join Date</b> 04/01/2009	<b>Projects Completed</b> 10
<b>LONG Building Technologies, Inc. - Utah</b> P.O. Box 51089 3534 Salt Creek Highway, Casper, WY Phone: 307-265-5997 Website: www.long.com	<b>Specialties</b> Controls HVAC - evaporative HVAC - unitary Lighting Motors and VFDs	<b>Business Type</b> Distributor Manufacturer - Rep	<b>Join Date</b> 09/27/2012	<b>Projects Completed</b> null
<b>Freedom Electric Inc.</b> 2214 N. Valley View West Mendon, UT Phone: 435-994-1747	<b>Specialties</b> HVAC - unitary Lighting Motors and VFDs	<b>Business Type</b> Contractor	<b>Join Date</b> 07/01/2010	<b>Projects Completed</b> 2
<b>Black Diamond Electric</b> 170 S. Mountain Way Dr. Orem, UT Phone: 801-473-1203 Website: blackdiamondelectriclc.com	<b>Specialties</b> Lighting Motors and VFDs	<b>Business Type</b> Contractor	<b>Join Date</b> 05/11/2011	<b>Projects Completed</b> 2
<b>Illumisource Technologies, LLC.</b> 535 S. Main St. #10 Cedar City, UT Phone: 435-865-6613	<b>Specialties</b> Lighting	<b>Business Type</b> Contractor	<b>Join Date</b> 03/01/2011	<b>Projects Completed</b>
<b>Mechanical Design and Service</b> 3326 S 1500 W #1 Ogden, UT Phone: 801-593-6769 Website: mechanicaldesignservice.com	<b>Specialties</b> HVAC - unitary Motors and VFDs	<b>Business Type</b> Contractor	<b>Join Date</b> 11/01/2008	<b>Projects Completed</b>
<b>Kaman Industrial Technologies</b> 322 S. Highway 55, Box 1406 Price, UT Phone: 435-637-4122 Website: kamandirect.com	<b>Specialties</b> Motors and VFDs	<b>Business Type</b> Distributor	<b>Join Date</b> 09/01/2004	<b>Projects Completed</b>
<b>Integrated Controls &amp; Electric Inc</b> 3920 S 3750 W West Haven, UT Phone: 801-719-0540 Website: integratedcontrolsandelectric.com	<b>Specialties</b> HVAC - unitary Lighting	<b>Business Type</b> Distributor	<b>Join Date</b> 03/01/2009	<b>Projects Completed</b>
<b>Robert Love Heating &amp; Air Conditioning Inc</b> Layton, UT Phone: 801-771-5579 Website: robertloveheating.com	<b>Specialties</b> HVAC - unitary	<b>Business Type</b> Contractor	<b>Join Date</b> 02/01/2009	<b>Projects Completed</b>
<b>Hawk Electric, Inc.</b> P.O. Box 540150 North Salt Lake, UT Phone: 801-397-1020	<b>Specialties</b> Lighting Motors and VFDs	<b>Business Type</b> Contractor	<b>Join Date</b> 05/01/2005	<b>Projects Completed</b> 7
<b>Consolidated Electrical Distributors, Inc. - Sandy</b> 622 W. 9400 S. Sandy, UT Phone: 801-566-4864	<b>Specialties</b> Lighting	<b>Business Type</b> Distributor	<b>Join Date</b> 08/01/2011	<b>Projects Completed</b> 1
<b>Landmark Electric, LLC.</b> Salt Lake City, UT Phone: 0	<b>Specialties</b> Lighting	<b>Business Type</b> Contractor	<b>Join Date</b> 01/11/2011	<b>Projects Completed</b>



<b>DiVi Energy, LLC</b> 68 S Main St., Ste 800 Salt Lake City, UT Phone: 801-243-1811	<b>Specialties</b> Lighting	<b>Business Type</b> Distributor Manufacturer - Rep	<b>Join Date</b> 01/23/2013	<b>Projects Completed</b> 7
<b>Duncan Electric Supply</b> 580 South 1100 West West Bountiful, UT Phone: 501-295-5548	<b>Specialties</b> Lighting	<b>Business Type</b> Distributor	<b>Join Date</b> 09/26/2008	<b>Projects Completed</b> 10
<b>Burton Electric, Inc.</b> 8805 South 1300 West West Jordan, UT Phone: 801-450-1201	<b>Specialties</b> Lighting	<b>Business Type</b> Contractor	<b>Join Date</b> 08/23/2006	<b>Projects Completed</b> 10
<b>Protronix Controls, Inc.</b> 1168 W. 500 N. Suite No. Rear Centerville, UT Phone: 801-683-3133 Website: protonixcontrols.com	<b>Specialties</b> HVAC - unitary Motors and VFDs	<b>Business Type</b> Distributor	<b>Join Date</b> 08/01/2005	<b>Projects Completed</b> 10
<b>Aspen Engineering and Environmental LLC</b> 140 Aspen Circle Park City, UT Phone: 435-565-1535 Website: www.a2e-llc.com	<b>Specialties</b> Building envelope Controls HVAC - evaporative HVAC - unitary Motors and VFDs	<b>Business Type</b> Engineering Firm	<b>Join Date</b> 03/18/2013	<b>Projects Completed</b> 10
<b>Control Equipment Company</b> 174 W. Angelo Ave. Salt Lake City, UT Phone: 801-487-7741	<b>Specialties</b> HVAC - unitary Motors and VFDs	<b>Business Type</b> Distributor	<b>Join Date</b> 02/01/2006	<b>Projects Completed</b> 10
<b>Advanced Lighting, Inc.*</b> 3099 south 1030 west Salt Lake City, UT Phone: 801-972-9530 Website: www.advlight.com	<b>Specialties</b> Lighting	<b>Business Type</b> Contractor	<b>Join Date</b> 07/04/2004	<b>Projects Completed</b> 135
<b>Honeywell International</b> 2371 S. Presidents Drive Salt Lake City, UT Phone: 801-978-7220 Website: honeywell.com	<b>Specialties</b> Controls HVAC - evaporative HVAC - unitary Motors and VFDs	<b>Business Type</b> Contractor Distributor Manufacturer - Rep	<b>Join Date</b> 05/01/2006	<b>Projects Completed</b> 10
<b>Saddleback Lighting, Inc.</b> 1425 W. Red Ledge Road Suite 101, Washington, UT Phone: 435-656-1866 Website: SaddlebackLighting.com	<b>Specialties</b> Lighting	<b>Business Type</b> Distributor	<b>Join Date</b> 05/01/2008	<b>Projects Completed</b> 3
<b>Contractors HVAC Supply</b> Roosevelt, UT Phone: 435-725-0019 Website: contractorshvacsupply.com	<b>Specialties</b> HVAC - unitary	<b>Business Type</b> Distributor	<b>Join Date</b> 07/01/2010	<b>Projects Completed</b> 10
<b>Central Electric Supply, Inc.</b> 190 N. 100 W. Richfield, UT Phone: 435-896-8486 Website: www.centralelectricsupply.com	<b>Specialties</b> Lighting	<b>Business Type</b> Distributor	<b>Join Date</b> 01/02/2006	<b>Projects Completed</b> 91
<b>Atom Electric Inc.</b> 8454 South 2200 West West Jordan, UT Phone: 801-974-5335 Website: www.atomelectric.com	<b>Specialties</b> Lighting	<b>Business Type</b> Contractor	<b>Join Date</b> 05/30/2005	<b>Projects Completed</b> 46

<b>Schoonmaker Electro Mechanical, Inc.</b> 2671 West 1900 North Ogden, UT Phone: 801-731-1428 Website: www.schoonmaker.com	<b>Specialties</b> HVAC - unitary Lighting	<b>Business Type</b> Contractor	<b>Join Date</b> 09/10/2010	<b>Projects Completed</b> 7
<b>The Light Source</b> 355 East 2100 S Salt Lake City, UT Phone: 801-487-2020 Website: tsource.com	<b>Specialties</b> Controls Lighting	<b>Business Type</b> Manufacturer - Rep	<b>Join Date</b> 03/04/2004	<b>Projects Completed</b> 7
<b>Gustave A . Larson Company</b> 210 W. Crosswood Square Salt Lake City, UT Phone: 801-487-0644 Website: galarson.com	<b>Specialties</b> HVAC - unitary Motors and VFDs	<b>Business Type</b> Distributor	<b>Join Date</b> 02/01/2007	<b>Projects Completed</b> 7
<b>Compressor-Pump &amp; Service, Inc.</b> 3333 W 2400 S Salt Lake City, UT Phone: 801-973-0154 Website: compressor-pump.com	<b>Specialties</b> Motors and VFDs	<b>Business Type</b> Distributor Manufacturer - Rep	<b>Join Date</b> 09/01/2005	<b>Projects Completed</b> 7
<b>Supreme Marketing</b> 2538 E. Starling Drive Salt Lake City, UT Phone: 801-792-2211	<b>Specialties</b> Lighting	<b>Business Type</b> Manufacturer - Rep Other	<b>Join Date</b> 12/08/2008	<b>Projects Completed</b> 5
<b>Current Electrical Systems Inc</b> Sandy, UT Phone: 801-301-5545 Website: currentelectricalsystem.com	<b>Specialties</b> HVAC - unitary Motors and VFDs	<b>Business Type</b> Contractor	<b>Join Date</b> 06/01/2009	<b>Projects Completed</b> 7
<b>Consolidated Electrical Distributors, Inc. - Salt Lake City</b> 1819 S. 900 W. Salt Lake City, UT Phone: 801-486-3501	<b>Specialties</b> Lighting	<b>Business Type</b> Distributor	<b>Join Date</b> 09/25/2012	<b>Projects Completed</b> 23
<b>JRC Inc.</b> 3041 West 2100 South Salt Lake City, UT Phone: 801-972-3970 Website: jrclight.com	<b>Specialties</b> Controls Lighting	<b>Business Type</b> Manufacturer - Rep Other	<b>Join Date</b> 06/18/2007	<b>Projects Completed</b> 2
<b>Salmon Electrical Contractors*</b> 1116 W. 500 S. Suite 1 West Bountiful, UT Phone: 801-292-3444	<b>Specialties</b> Lighting Motors and VFDs	<b>Business Type</b> Contractor	<b>Join Date</b> 04/01/2006	<b>Projects Completed</b> 26
<b>Thomas D. Robison Roofing, Inc.</b> PO Box 716 Blackfoot, ID Phone: 208-785-4626 Website: robisonroofing.com	<b>Specialties</b> Building envelope Other: Other Specialty	<b>Business Type</b> Contractor	<b>Join Date</b> 06/01/2012	<b>Projects Completed</b> 7
<b>United Team Mechanical</b> 151 N 600 W Kaysville, UT Phone: 801-991-1145	<b>Specialties</b> HVAC - unitary Motors and VFDs	<b>Business Type</b> Contractor	<b>Join Date</b> 09/01/2005	<b>Projects Completed</b> 7
<b>Contractors HVAC Supply</b> 3145 S. Washington Street Salt Lake City, UT Phone: 801-487-8565 Website: contractorshvacsupply.com	<b>Specialties</b> HVAC - unitary	<b>Business Type</b> Distributor	<b>Join Date</b> 07/01/2010	<b>Projects Completed</b> 7

<b>Commercial Lighting Supply, Inc.*</b> 2440 South 900 West Salt Lake City, UT Phone: 801-262-0888 Website: <a href="http://commerciallightinginc.com">commerciallightinginc.com</a>	<b>Specialties</b> Lighting	<b>Business Type</b> Distributor	<b>Join Date</b> 11/02/2002	<b>Projects Completed</b> 449
<b>Kaman Industrial Technologies</b> 175 S 1600 W Orem, UT Phone: 801-975-2000 Website: <a href="http://kamandirect.com">kamandirect.com</a>	<b>Specialties</b> Motors and VFDs	<b>Business Type</b> Distributor	<b>Join Date</b> 09/01/2004	<b>Projects Completed</b> Completed
<b>Motion Industries Inc.</b> 390 N 1000W Logan, UT Phone: 435-753-7310 Website: <a href="http://motionindustries.com">motionindustries.com</a>	<b>Specialties</b> HVAC - unitary Motors and VFDs	<b>Business Type</b> Contractor	<b>Join Date</b> 03/01/2006	<b>Projects Completed</b> Completed
<b>Arco Electric, Inc. - Utah</b> 597 West 9320 South Sandy, UT Phone: 801-566-1695	<b>Specialties</b> Lighting	<b>Business Type</b> Contractor	<b>Join Date</b> 09/21/2012	<b>Projects Completed</b> null
<b>Contractors HVAC Supply</b> 2468 S. 1760 W Ogden, UT Phone: 801-487-8565 Website: <a href="http://contractorshvacsupply.com">contractorshvacsupply.com</a>	<b>Specialties</b> HVAC - unitary	<b>Business Type</b> Distributor	<b>Join Date</b> 07/01/2010	<b>Projects Completed</b> Completed
<b>Jordan Valley Electric, Inc.</b> 4225 W. Nike Dr. #A West Jordan, UT Phone: 801-282-2310	<b>Specialties</b> Lighting	<b>Business Type</b> Contractor	<b>Join Date</b> 10/05/2005	<b>Projects Completed</b> 2
<b>Commercial Mechanical Systems &amp; Service</b> 3673 W. 1987 S. Salt Lake City, UT Phone: 801-977-3925 Website: <a href="http://cmsutah.com">cmsutah.com</a>	<b>Specialties</b> HVAC - unitary Motors and VFDs Other: Other Specialty	<b>Business Type</b> Contractor	<b>Join Date</b> 02/01/2012	<b>Projects Completed</b> Completed
<b>Titan LED</b> 123 East 100 North Delta, UT Phone: 435-406-1775 Website: <a href="http://www.TitanLED.net">www.TitanLED.net</a>	<b>Specialties</b> Lighting	<b>Business Type</b> Distributor	<b>Join Date</b> 07/01/2011	<b>Projects Completed</b> 1
<b>Tanko Lighting</b> 903 Palou Ave. San Francisco, CA Phone: 415-407-5608	<b>Specialties</b> Lighting	<b>Business Type</b> Other: Energy Services Company	<b>Join Date</b> 09/22/2012	<b>Projects Completed</b> null
<b>WESCO Distribution - Salt Lake City</b> 3210 South 900 West Salt Lake City, UT Phone: 801-975-0600 Website: <a href="http://wesco.com">wesco.com</a>	<b>Specialties</b> Lighting Motors and VFDs	<b>Business Type</b> Distributor	<b>Join Date</b> 03/04/2004	<b>Projects Completed</b> 10
<b>Marathon Electric LLC</b> 4327 S Main St Murray, UT Phone: 801-301-7902	<b>Specialties</b> Lighting Motors and VFDs	<b>Business Type</b> Contractor	<b>Join Date</b> 10/01/2008	<b>Projects Completed</b> 2
<b>Touch Green Energy Solutions Group</b> 2500 S Decker Lake Blvd., #28 West Valley City, UT Phone: 801-886-1111 Website: <a href="http://www.touchgreeninc.com">www.touchgreeninc.com</a>	<b>Specialties</b> Lighting	<b>Business Type</b> Other	<b>Join Date</b> 07/01/2012	<b>Projects Completed</b> 5

# Energy Efficiency Alliance



<b>Arch Electric, Inc.</b> 6894 S 190 E Midvale, UT Phone: 801-910-1063	<b>Specialties</b> Motors and VFDs	<b>Business Type</b> Contractor	<b>Join Date</b> 04/01/2004	<b>Projects Completed</b> Completed
<b>GSC</b> 668 Confluence Ave. Murray, UT Phone: 801-288-1000 Website: www.gscnw.com	<b>Specialties</b> Food Service HVAC - evaporative HVAC - unitary	<b>Business Type</b> Manufacturer - Rep	<b>Join Date</b> 12/12/2012	<b>Projects Completed</b> Completed
<b>Coolerado Corporation</b> 4700 W. 60th Ave., Ste. 3 Arvada, CO Phone: 303-375-0878 Website: coolerado.com	<b>Specialties</b> HVAC - evaporative HVAC - unitary	<b>Business Type</b> Distributor Manufacturer - Rep	<b>Join Date</b> 03/01/2007	<b>Projects Completed</b> Completed
<b>Summit Lighting Service Inc.</b> Salem, UT Phone: 801-427-8850	<b>Specialties</b> Lighting	<b>Business Type</b> Other	<b>Join Date</b> 07/02/2010	<b>Projects Completed</b> Completed
<b>Nelson's Heating &amp; Refrigeration</b> 1070 Bowling Alley Ln. Moab, UT Phone: 435-259-5625	<b>Specialties</b> HVAC - unitary Motors and VFDs	<b>Business Type</b> Contractor	<b>Join Date</b> 12/01/2005	<b>Projects Completed</b> Completed
<b>Coates Electrical</b> 2459 S. 1760 W. Ogden, UT Phone: 801-476-3139 Website: Coateselectrical.com	<b>Specialties</b> Motors and VFDs	<b>Business Type</b> Contractor	<b>Join Date</b> 07/01/2004	<b>Projects Completed</b> Completed
<b>Cache Valley Electric</b> 2345 S. John Henry Dr. Salt Lake City, UT Phone: 801-908-6666 Website: cesci.com	<b>Specialties</b> Lighting	<b>Business Type</b> Contractor	<b>Join Date</b> 02/26/2007	<b>Projects Completed</b> 3
<b>Progressive Power Solutions, Inc.</b> 350 South 900 East Orem, UT Phone: 801-602-8369 Website: ppswest.com	<b>Specialties</b> Irrigation Lighting	<b>Business Type</b> Contractor Distributor	<b>Join Date</b> 05/12/2009	<b>Projects Completed</b> 6
<b>AD-Lite Electric Inc.</b> 2802 W. 3500 So. West Valley, UT Phone: 801-856-4555	<b>Specialties</b> Lighting	<b>Business Type</b> Contractor	<b>Join Date</b> 03/06/2006	<b>Projects Completed</b> 2
<b>Thimakis Electric</b> 3098 So. Highland Dr., St 374 Salt Lake City, UT Phone: 801-808-1065	<b>Specialties</b> Motors and VFDs	<b>Business Type</b> Contractor	<b>Join Date</b> 04/01/2005	<b>Projects Completed</b> Completed
<b>All Americal LED, LLC</b> 3234 E 4650 N Liberty, UT Phone: 801-920-7276 Website: www.All-AmericanLED.com	<b>Specialties</b> Lighting	<b>Business Type</b> Distributor	<b>Join Date</b> 12/18/2012	<b>Projects Completed</b> 3
<b>Harris-Dudley Company</b> 3039 S Specialty Cir Salt Lake City, UT Phone: 801-363-3883 Website: radiantfloor.com	<b>Specialties</b> HVAC - unitary	<b>Business Type</b> Contractor	<b>Join Date</b> 04/01/2009	<b>Projects Completed</b> Completed

Company Name	Specialties	Business Type	Join Date	Projects Completed
<b>Applied Industrial Technologies</b> 195 W 2950 S Salt Lake City, UT Phone: 801-972-1100 Website: applied.com	Motors and VFDs	Distributor	08/01/2004	Completed
<b>Platt Electric Supply, Inc. - Sandy</b> 8720 S. Sandy Parkway Sandy, UT Phone: 801-562-5786 Website: platt.com	Lighting	Distributor	11/16/2007	Completed 1
<b>Riverside Electric Inc.</b> P.O. Box 98 Riverside, UT Phone: 801-399-4200	Lighting	Contractor	12/10/2006	Completed 4
<b>Jem Electric Inc</b> 58 N 300 W #B Tremonton, UT Phone: 435-257-3532 Website: jem-elec.com	Lighting Motors and VFDs	Contractor	01/01/2009	Completed 7
<b>TEC Electric</b> 755 West 200 South Logan, UT Phone: 435-753-0920 Website: www.tec-electric.com	Controls Lighting Motors and VFDs	Contractor	05/11/2011	Completed 2
<b>sEnergy</b> 5650 W 4100 S #191 West Valley City, UT Phone: 801-231-1202	Lighting	Other	04/07/2007	Completed 6
<b>Green Light Southwest</b> 1001 South 400 East Orem, UT Phone: 801-722-8677 Website: www.greenlightsouthwest.com	Lighting	Other: Energy Services Company	09/22/2012	Completed 3
<b>Engineering, research and development services, LLC.</b> 848 S. Woodruff Way Salt Lake City, UT Phone: 801-971-5766 Website: www.enreds.com	Lighting	Other	01/01/2012	Completed
<b>Lennox*</b> 1008 W 2780 S Salt Lake City, UT Phone: 801-556-8889 x 6114 Website: lennox.com	HVAC - unitary	Distributor	11/01/2005	Completed
<b>Cooper Lighting</b> 1121 Highway 74 South Peachtree, GA Phone: 770-486-3092 Website: www.cooperlighting.com	Controls Lighting	Manufacturer - Rep	12/13/2012	Completed
<b>Illumination Sales</b> 2135 South West Temple Salt Lake City, UT Phone: 801-937-4100 Website: www.illuminationalesreps.com	Controls Lighting	Manufacturer - Rep	08/01/2011	Completed 16
<b>Precision-Paragon [P2]</b> 23281 La Palma Ave Yorba Linda, CA Phone: 714-386-5550 Website: www.p-2.com	Lighting	Manufacturer - Rep Other: Manufacturer	03/13/2013	Completed

<b>PurePower Electric Service LLC</b> 682 W 3650 N Pleasant View, UT Phone: 801-721-8900	<b>Specialties</b> Lighting	<b>Business Type</b> Contractor	<b>Join Date</b> 12/10/2006	<b>Projects Completed</b> 1
<b>BNA Consulting</b> 635 South State Street Salt Lake City, UT Phone: 801-532-2196 Website: www.bnaconsulting.com	<b>Specialties</b> Lighting	<b>Business Type</b> Other	<b>Join Date</b> 05/10/2010	<b>Projects Completed</b> Completed
<b>Quantum Lighting Group</b> 4074 S. 300 W Salt Lake City, UT Phone: 801-270-0010	<b>Specialties</b> Lighting	<b>Business Type</b> Manufacturer - Rep Other	<b>Join Date</b> 05/30/2005	<b>Projects Completed</b> 26
<b>Nelsen Electric Motor</b> 233 W 3620 S Salt Lake City, UT Phone: 801-262-9530 Website: nelsenelectricmotor.com	<b>Specialties</b> Controls Motors and VFDs	<b>Business Type</b> Distributor Manufacturer - Rep	<b>Join Date</b> 09/01/2005	<b>Projects Completed</b> Completed
<b>ESL Vision LLC</b> P.O. Box 58565 Salt Lake City, UT Phone: 801-415-5177 Website: www.eslvision.com	<b>Specialties</b> Controls Lighting	<b>Business Type</b> Distributor Manufacturer - Rep	<b>Join Date</b> 01/13/2013	<b>Projects Completed</b> Completed
<b>Intermountain Fuse Supply, Inc.</b> 2220 S. Main St. Salt Lake City, UT Phone: 801-486-8333 Website: intermtinfuse.com	<b>Specialties</b> Motors and VFDs	<b>Business Type</b> Distributor	<b>Join Date</b> 08/01/2005	<b>Projects Completed</b> Completed
<b>Refrigeration Supplies Distributor</b> Salt Lake City, UT Phone: 801-232-1523 Website: rsd-tc.com	<b>Specialties</b> HVAC - unitary Motors and VFDs	<b>Business Type</b> Distributor	<b>Join Date</b> 03/01/2006	<b>Projects Completed</b> Completed
<b>Copper Tech Management</b> 112 W. 13775 So. #5 Draper, UT Phone: 801-266-0700	<b>Specialties</b> Lighting	<b>Business Type</b> Contractor	<b>Join Date</b> 03/10/2010	<b>Projects Completed</b> 1
<b>Wendel Electric</b> 11698 W. Fairfield Rd. Saratoga Springs, UT Phone: 801-509-9287	<b>Specialties</b> Lighting Motors and VFDs	<b>Business Type</b> Contractor	<b>Join Date</b> 08/01/2010	<b>Projects Completed</b> Completed
<b>All-Tech Electric, Inc</b> 315 North 100 West (PO Box 608) Tooele, UT Phone: 435-843-0185	<b>Specialties</b> HVAC - unitary Lighting Motors and VFDs	<b>Business Type</b> Contractor	<b>Join Date</b> 05/01/2007	<b>Projects Completed</b> Completed
<b>J1</b> J1 J1, IL Phone: 444-444-4444 x 4444	<b>Specialties</b> Compressed Air	<b>Business Type</b> Contractor	<b>Join Date</b> 01/02/2013	<b>Projects Completed</b> Completed
<b>Garrett Mitchell Electric</b> 125 West 200 North American Fork, UT Phone: 801-830-0993	<b>Specialties</b> Lighting	<b>Business Type</b> Contractor	<b>Join Date</b> 05/14/2008	<b>Projects Completed</b> 7
<b>Midwest Electric, Inc.</b> 40 West Truman Ave. Salt Lake City, UT Phone: 801-633-9245 Website: midwest-electric.com	<b>Specialties</b> HVAC - unitary Lighting Motors and VFDs	<b>Business Type</b> Contractor	<b>Join Date</b> 02/01/2005	<b>Projects Completed</b> 3

<b>Gexpro Electrical Supply</b> 2725 South 900 West Salt Lake City, UT Phone: 801-974-4700 Website: gexprosupply.com	<b>Specialties</b> Motors and VFDs Other: Other Specialty	<b>Business Type</b> Distributor	<b>Join Date</b> 05/01/2008	<b>Projects Completed</b> Completed
<b>Miter Corp.</b> 6364 Shady Grove Cir. Murray, UT Phone: 801-949-6364	<b>Specialties</b> Lighting	<b>Business Type</b> Contractor	<b>Join Date</b> 09/22/2012	<b>Projects Completed</b> 5
<b>Platt Electric Supply, Inc.* - Salt Lake City</b> 840 W 2600 S Salt Lake City, UT Phone: 801-974-5773 Website: www.platt.com	<b>Specialties</b> Lighting	<b>Business Type</b> Distributor	<b>Join Date</b> 11/16/2007	<b>Projects Completed</b> 65
<b>New Leaf America</b> P.O. Box 1084 Park City, UT Phone: 435-640-3934 Website: newleafamerica.com	<b>Specialties</b> Lighting	<b>Business Type</b> Other	<b>Join Date</b> 04/10/2010	<b>Projects Completed</b> 3
<b>Platt Electric Supply, Inc. - West Valley</b> 1730 South 4650 West West Valley, UT Phone: 801-972-1464 Website: www.platt.com	<b>Specialties</b> Lighting	<b>Business Type</b> Distributor	<b>Join Date</b> 11/27/2012	<b>Projects Completed</b> null
<b>Gunthers Comfort Air</b> American Fork, UT Phone: 801-756-9683 Website: guntherscomfortair.com	<b>Specialties</b> HVAC - unitary	<b>Business Type</b> Contractor	<b>Join Date</b> 08/01/2004	<b>Projects Completed</b> Completed
<b>Royal Wholesale Electric - Logan</b> 917 W 600 N Ste 101 Logan, UT Phone: 435-752-7692 Website: royalutah.com	<b>Specialties</b> HVAC - unitary Lighting	<b>Business Type</b> Distributor	<b>Join Date</b> 01/09/2008	<b>Projects Completed</b> 9
<b>Advantage Letters, Inc.</b> 540 W. 3560 South Salt Lake City, UT Phone: 801-262-0181 Website: www.advantageletters.com	<b>Specialties</b> Lighting	<b>Business Type</b> Contractor	<b>Join Date</b> 09/25/2012	<b>Projects Completed</b> null
<b>Siemens Industry, Inc.</b> 9707 S Sandy Parkway Sandy, UT Phone: 801-316-2439	<b>Specialties</b> Building envelope Controls HVAC - evaporative HVAC - unitary Irrigation Lighting Motors and VFDs	<b>Business Type</b> Contractor	<b>Join Date</b> 01/11/2013	<b>Projects Completed</b> Completed
<b>Spectrum Engineers</b> 324 S. State Street, Suite 400 Salt Lake City, UT Phone: 801-401-8475	<b>Specialties</b> HVAC - unitary	<b>Business Type</b> Engineering Firm Other	<b>Join Date</b> 02/01/2010	<b>Projects Completed</b> Completed
<b>Holbrook Service</b> 1580 S Pioneer Rd PO Box 2716 Salt Lake City, UT Phone: 801-359-3401 Website: holbrookservice.com	<b>Specialties</b> HVAC - unitary Motors and VFDs	<b>Business Type</b> Distributor	<b>Join Date</b> 03/01/2009	<b>Projects Completed</b> Completed



# Energy Efficiency Alliance



Contractors	Specialties	Business Type	Join Date	Projects Completed
<b>HVAC Supply</b> West Jordan, UT Phone: 801-613-3230 Website: contractorshvacsupply.com	HVAC - unitary	Distributor	07/01/2010	Completed
<b>Cornerstones Electrical Services</b> 2702 So. 3600 West, Suite B West Valley City, UT Phone: 801-968-0471 Website: cornerstoneselectric.com	HVAC - unitary Motors and VFDs	Contractor	08/01/2004	Completed
<b>Lime Energy*</b> 1368 E Marth Dunion Circle Draper, UT Phone: 801-571-0011 Website: lime-energy.com	Controls HVAC - unitary	Manufacturer - Rep	06/06/2006	21
<b>Platt Electric Supply, Inc. - Ogden</b> 3754 Pacific Avenue Ogden, UT Phone: 801-629-0200 Website: platt.com	Lighting	Distributor	11/16/2007	6
<b>All Electric Plus, Inc</b> 182 S 100 W Paragonah, UT Phone: 435-477-9591 Website: allelectricplus.com	Controls Farm and Dairy Irrigation Lighting Motors and VFDs Office Equipment	Distributor	12/21/2012	Completed
<b>Taylor Electric, Inc.*</b> 1018 W Beardsley Pl. Salt Lake City, UT Phone: 801-413-1376	Lighting	Contractor	04/28/2007	16
<b>Rentmeister &amp; Co., Inc.</b> 1956 W 2250 S Syracuse, UT Phone: 801-773-6900 Website: rentmeister.com	HVAC - unitary Motors and VFDs	Contractor	06/01/2004	Completed
<b>Comfort Systems*</b> 2035 S. Milestone Drive Ste. A Salt Lake City, UT Phone: 801-907-6700	HVAC - unitary Motors and VFDs	Contractor	10/01/2006	Completed
<b>Rocky Mountain Baldor</b> 2230 S Main Street Salt Lake City, UT Phone: 801-832-0127 Website: baldor.com	Motors and VFDs	Manufacturer - Rep Other	08/01/2004	Completed
<b>Royal Wholesale Electric - Salt Lake City</b> 3100 So. 900 W. Salt Lake City, UT Phone: 801-973-6000	Lighting	Distributor	06/09/2007	2
<b>Hedgehog Electric</b> 14640 South Heritage Crest Way Bluffdale, UT Phone: 801-870-6986 Website: hedgehogelectric.com	Controls Lighting Motors and VFDs	Contractor	09/10/2012	null
<b>Consolidated Electrical Distributors* - Logan, UT</b> 636 N. 600 W. Logan, UT Phone: 435-752-8905	Farm and Dairy Irrigation Lighting	Distributor	03/26/2005	27



<b>BJ Rees's Enterprises</b> P.O. Box 358 Coalville, UT Phone: 435-336-5345	<b>Specialties</b> Motors and VFDs	<b>Business Type</b> Distributor	<b>Join Date</b> 12/01/2004	<b>Projects Completed</b> Completed
<b>Valley Implement</b> 213 West 8th North Preston, ID Phone: 208-852-0430 Website: valley-implement.com	<b>Specialties</b> Controls Irrigation Motors and VFDs	<b>Business Type</b> Contractor	<b>Join Date</b> 12/05/2012	<b>Projects Completed</b> null
<b>Alder Electric</b> 605 N. 1250 W. Ste. 11 Centerville, UT Phone: 801-397-0660 Website: alderelectric.com	<b>Specialties</b> Lighting Motors and VFDs	<b>Business Type</b> Contractor	<b>Join Date</b> 04/27/2012	<b>Projects Completed</b> Completed
<b>Allred's Incorporated</b> 1410 Gibson Avenue Ogden, UT Phone: 801-621-6426 Website: www.allreds.net	<b>Specialties</b> HVAC - unitary	<b>Business Type</b> Distributor	<b>Join Date</b> 05/11/2011	<b>Projects Completed</b> Completed
<b>Holophane</b> 8195 S. Andorra Lane Sandy, UT Phone: 801-942-5456 Website: holophane.com	<b>Specialties</b> Lighting	<b>Business Type</b> Manufacturer - Rep Other	<b>Join Date</b> 07/04/2004	<b>Projects Completed</b> Completed
<b>Crescent Electric Supply Co.</b> Salt Lake City, UT Phone: 801-486-0701 Website: cesci.com	<b>Specialties</b> HVAC - unitary Motors and VFDs	<b>Business Type</b> Distributor	<b>Join Date</b> 06/01/2004	<b>Projects Completed</b> Completed
<b>Seeley International</b> 5600 N. River Rd. Ste 800 Rosemont, IL Phone: 602-353-8066 Website: breezaircooler.com	<b>Specialties</b> HVAC - evaporative HVAC - unitary	<b>Business Type</b> Manufacturer - Rep	<b>Join Date</b> 02/01/2006	<b>Projects Completed</b> Completed
<b>Snider &amp; Sons Energy Systems</b> Salem, UT Phone: 801-360-4929	<b>Specialties</b> HVAC - unitary	<b>Business Type</b> Contractor	<b>Join Date</b> 09/01/2005	<b>Projects Completed</b> Completed
<b>Codale Electric Supply, Inc.*- Salt Lake City</b> 3150 South 900 West Salt Lake City, UT Phone: 801-975-7300 Website: codale.com	<b>Specialties</b> Lighting	<b>Business Type</b> Distributor	<b>Join Date</b> 10/02/2002	<b>Projects Completed</b> 293
<b>Verismic Software Inc.</b> 65 Enterprise Aliso Viejo, CA Phone: 949-222-2287 Website: www.verismic.com	<b>Specialties</b> Office Equipment Other: Other Specialty	<b>Business Type</b> Contractor Distributor Manufacturer - Rep Other	<b>Join Date</b> 01/16/2013	<b>Projects Completed</b> Completed
<b>Hogan Electric Inc.</b> 4035 South Main Salt Lake City, UT Phone: 801-261-8300	<b>Specialties</b> Lighting Motors and VFDs	<b>Business Type</b> Contractor	<b>Join Date</b> 07/01/2004	<b>Projects Completed</b> 11
<b>ESCO Heating - Cooling - Plumbing - Electrical</b> 2525 S 300 W Salt Lake City, UT Phone: 801-486-8421 Website: esconow.com	<b>Specialties</b> HVAC - unitary	<b>Business Type</b> Contractor	<b>Join Date</b> 07/01/2004	<b>Projects Completed</b> Completed

# Energy Efficiency Alliance



<b>Applied Industrial Technologies</b> 1598 W Center St Orem, UT Phone: 801-224-9400 Website: applied.com	<b>Specialties</b> Motors and VFDs	<b>Business Type</b> Distributor	<b>Join Date</b> 10/01/2004	<b>Projects Completed</b>
<b>SUMMA Energy Services</b> 250 N 200 W Hyrum, UT Phone: 435-245-6120 Website: summaenergy.com	<b>Specialties</b> HVAC - unitary Motors and VFDs Other: Other Specialty	<b>Business Type</b> Other	<b>Join Date</b> 01/01/2009	<b>Projects Completed</b>
<b>Codale Electric Supply, Inc. - Ogden</b> 3083 S. 2025 W Ogden, UT Phone: 801-624-6100 Website: www.codale.com	<b>Specialties</b> Lighting	<b>Business Type</b> Distributor	<b>Join Date</b> 07/01/2011	<b>Projects Completed</b> 26
<b>Renewable Energy Savvy</b> P.O. Box 900594 Sandy, UT Phone: 650-245-5239 Website: www.renewableenergysavvy.com	<b>Specialties</b> Lighting	<b>Business Type</b> Distributor	<b>Join Date</b> 09/10/2010	<b>Projects Completed</b>
<b>Platt Electric Supply, Inc. - Lindon</b> 7 South 1550 West Lindon, UT Phone: 801-785-1677 Website: www.platt.com	<b>Specialties</b> Lighting	<b>Business Type</b> Distributor	<b>Join Date</b> 11/16/2007	<b>Projects Completed</b>
<b>CCI Mechanical, Inc.</b> 758 South Redwood Rd., #25788 Salt Lake City, UT Phone: 801-973-1221 Website: ccimechanical.com	<b>Specialties</b> Controls HVAC - evaporative HVAC - unitary Motors and VFDs	<b>Business Type</b> Contractor Engineering Firm	<b>Join Date</b> 01/01/2005	<b>Projects Completed</b>
<b>Service Mechanical Controls, Inc</b> 4410 S Century Dr Murray, UT Phone: 801-904-1250	<b>Specialties</b> HVAC - unitary Motors and VFDs	<b>Business Type</b> Contractor	<b>Join Date</b> 06/01/2009	<b>Projects Completed</b>
<b>AA Advanced Energy Management</b> null West Valley City, UT Phone: 801-968-3680 Website: aaaem.com	<b>Specialties</b> Controls HVAC - unitary Lighting Motors and VFDs	<b>Business Type</b> Contractor	<b>Join Date</b> 08/01/2004	<b>Projects Completed</b>
<b>Freedom Lighting</b> 4967 Wallace Lane Holladay, UT Phone: 801-859-7943	<b>Specialties</b> Lighting	<b>Business Type</b> Distributor	<b>Join Date</b> 05/16/2008	<b>Projects Completed</b> 3
<b>Automotive Restyling Associates</b> 12741 So. Redwood Rd. Riverton, UT Phone: 801-556-8139 Website: www.utahwindtint.com	<b>Specialties</b> Other: Other Specialty	<b>Business Type</b> Contractor Manufacturer - Rep	<b>Join Date</b> 02/25/2013	<b>Projects Completed</b>
<b>Wilson Mohr</b> Salt Lake City, UT Phone: 801-214-3300 Website: wilsonmohr.com	<b>Specialties</b> Motors and VFDs	<b>Business Type</b> Contractor	<b>Join Date</b> 10/01/2011	<b>Projects Completed</b>
<b>Johnson Controls, Inc.</b> 2255 Technology Parkway West Valley City, UT Phone: 801-974-4535	<b>Specialties</b> Controls HVAC - evaporative HVAC - unitary Motors and VFDs	<b>Business Type</b> Contractor Manufacturer - Rep	<b>Join Date</b> 06/01/2007	<b>Projects Completed</b>

<b>Lee's Heating, AC &amp; Refrigeration</b> 195 West Haven Salt Lake City, UT Phone: 801-467-1561 Website: leesheatac.com	<b>Specialties</b> HVAC - unitary Motors and VFDs	<b>Business Type</b> Contractor	<b>Join Date</b> 06/01/2004	<b>Projects Completed</b> 0
<b>Control Agency</b> 3575 S. West Temple #4 Salt Lake City, UT Phone: 801-631-1042 Website: abb-drives.com	<b>Specialties</b> HVAC - evaporative HVAC - unitary Motors and VFDs	<b>Business Type</b> Manufacturer - Rep Other	<b>Join Date</b> 10/01/2006	<b>Projects Completed</b> 0
<b>Mine &amp; Industrial Equip. Co.</b> 3431 S 500 West Salt Lake City, UT Phone: 801-265-3906	<b>Specialties</b> Motors and VFDs	<b>Business Type</b> Distributor	<b>Join Date</b> 12/01/2004	<b>Projects Completed</b> 0
<b>Rage Electric, Inc.</b> 355 N. 700 E. Hyde Park, UT Phone: 435-512-3860	<b>Specialties</b> Controls Lighting Motors and VFDs	<b>Business Type</b> Contractor	<b>Join Date</b> 03/11/2011	<b>Projects Completed</b> 0
<b>Hidden Peak Electric Company Inc.</b> 4586 South Cherry Street, Unite A Murray, UT Phone: 801-262-5513 Website: www.hiddenpeakelectric.com	<b>Specialties</b> Controls HVAC - evaporative HVAC - unitary Lighting Motors and VFDs	<b>Business Type</b> Contractor	<b>Join Date</b> 02/14/2013	<b>Projects Completed</b> 0
<b>Midgley-Huber, Inc.*</b> 2465 Progress Drive Salt Lake City, UT Phone: 801-972-5011 Website: Migley-huber.com	<b>Specialties</b> HVAC - evaporative HVAC - unitary	<b>Business Type</b> Manufacturer - Rep	<b>Join Date</b> 05/01/2007	<b>Projects Completed</b> 0
<b>Century Electric Inc.</b> 4677 W. 11200N. Highland, UT Phone: 801-420-2686	<b>Specialties</b> Lighting	<b>Business Type</b> Contractor	<b>Join Date</b> 06/10/2010	<b>Projects Completed</b> 0
<b>Entelen Energy Services</b> 8707 S. Sandy Parkway Sandy, UT Phone: 801-542-8090	<b>Specialties</b> Controls HVAC - evaporative Lighting Motors and VFDs	<b>Business Type</b> Contractor	<b>Join Date</b> 03/11/2011	<b>Projects Completed</b> 0
<b>Mountain Valley Pump Service</b> 1444 N 300 W Logan, UT Phone: 435-753-0916	<b>Specialties</b> Motors and VFDs	<b>Business Type</b> Distributor	<b>Join Date</b> 08/01/2004	<b>Projects Completed</b> 0
<b>Thomson Electric Sales Inc.</b> 127 S. Main Street Logan, UT Phone: 435-752-2252	<b>Specialties</b> Controls Lighting Motors and VFDs	<b>Business Type</b> Distributor Engineering Firm	<b>Join Date</b> 10/22/2007	<b>Projects Completed</b> 12
<b>Bright Star Energy Management, LLC</b> 214 S. Cole Rd. Boise, ID Phone: 208-922-6460 Website: brightstarenergy.net	<b>Specialties</b> Lighting	<b>Business Type</b> Other	<b>Join Date</b> 07/01/2012	<b>Projects Completed</b> 9
<b>West Brothers, Inc.</b> Salt Lake City, UT Phone: 801-263-3763 Website: westbrosinc.com	<b>Specialties</b> HVAC - unitary	<b>Business Type</b> Distributor	<b>Join Date</b> 06/01/2004	<b>Projects Completed</b> 0
<b>Schaefer Refrigeration, Inc.</b> 2929 E. Isaacs Walla Walla, WA Phone: 509-525-2076	<b>Specialties</b> HVAC - unitary Motors and VFDs	<b>Business Type</b> Contractor	<b>Join Date</b> 06/01/2004	<b>Projects Completed</b> 0

<b>Comfort Connection LLC</b> 7682 S. Maple St. Midvale, UT Phone: 801-571-1149	<b>Specialties</b> HVAC - unitary Motors and VFDs Other: Other Specialty	<b>Business Type</b> Contractor	<b>Join Date</b> 02/01/2010	<b>Projects Completed</b> 7
<b>Electrical Wholesale Supply - Logan, UT</b> 1651 North 1000 West Logan, UT Phone: 435-774-8800 Website: ewsutah.com	<b>Specialties</b> Lighting	<b>Business Type</b> Distributor	<b>Join Date</b> 03/11/2011	<b>Projects Completed</b> 3
<b>Telkonet Inc</b> 10200 Innovation Dr Suite 300 Milwaukee, WI Phone: 480-652-6814 Website: telkonet.com	<b>Specialties</b> Controls HVAC - unitary	<b>Business Type</b> Contractor Distributor Manufacturer - Rep	<b>Join Date</b> 08/01/2008	<b>Projects Completed</b> 1
<b>YESCO-Young Electric Sign Company - Logan, UT</b> 1651 North 1000 West Logan, UT Phone: 435-774-8800 Website: yesco.com	<b>Specialties</b> Lighting	<b>Business Type</b> Distributor	<b>Join Date</b> 04/07/2007	<b>Projects Completed</b> 21
<b>Hunt Electric, Inc.</b> 1863 West Alexander Street Salt Lake City, UT Phone: 801-975-8844	<b>Specialties</b> Controls Lighting Motors and VFDs	<b>Business Type</b> Contractor	<b>Join Date</b> 08/05/2005	<b>Projects Completed</b> 20
<b>All Electric Plus, Inc.</b> 182 South 100 West, PO Box 316 Paragonah, UT Phone: 435-477-9591	<b>Specialties</b> HVAC - unitary Lighting Motors and VFDs	<b>Business Type</b> Distributor	<b>Join Date</b> 09/01/2004	<b>Projects Completed</b> 3
<b>Rocky Mountain Mechanical</b> Salt Lake City, UT Phone: 801-486-3423	<b>Specialties</b> HVAC - unitary	<b>Business Type</b> Contractor	<b>Join Date</b> 03/01/2007	<b>Projects Completed</b> 1
<b>GSL Electric</b> 8540 South Sandy Parkway Sandy, UT Phone: 801-565-0088 Website: gsselectric.com	<b>Specialties</b> Lighting Motors and VFDs	<b>Business Type</b> Contractor	<b>Join Date</b> 08/18/2006	<b>Projects Completed</b> 1
<b>Royal Wholesale Electric - Ogden</b> 1210 W. 3050 S. Ogden, UT Phone: 801-621-6730 Website: royalutah.com	<b>Specialties</b> Lighting	<b>Business Type</b> Distributor	<b>Join Date</b> 04/28/2007	<b>Projects Completed</b> 35
<b>Osram Sylvania</b> 2826 Elkhorn Ln Sandy, UT Phone: 801-201-8746 Website: mysylvania.com	<b>Specialties</b> Lighting	<b>Business Type</b> Manufacturer - Rep Other	<b>Join Date</b> 06/04/2004	<b>Projects Completed</b> 1
<b>Stewart Brothers Electric</b> 870 W 560 N Cedar City, UT Phone: 435-586-4353	<b>Specialties</b> Motors and VFDs	<b>Business Type</b> Distributor	<b>Join Date</b> 09/01/2004	<b>Projects Completed</b> 1
<b>PPM Plumbing, Heating &amp; Cooling</b> Provo, UT Phone: 801-226-3033	<b>Specialties</b> HVAC - unitary	<b>Business Type</b> Contractor	<b>Join Date</b> 06/01/2004	<b>Projects Completed</b> 1

<b>Riverside Plumbing &amp; Htg, Inc.</b> 366 N 500 W Moab, UT Phone: 435-259-8324	<b>Specialties</b> HVAC - unitary Motors and VFDs	<b>Business Type</b> Contractor	<b>Join Date</b> 11/01/2005	<b>Projects Completed</b> 7
<b>Rydalch Electric</b> 250 W. Plymouth Ave. Salt Lake City, UT Phone: 801-265-1813 Website: rydalch.electric.com	<b>Specialties</b> Lighting	<b>Business Type</b> Contractor	<b>Join Date</b> 07/04/2004	<b>Projects Completed</b> 16
<b>Ace Electrical, Inc</b> 3575 South West Temple Suite 7, Salt Lake City, UT Phone: 801-266-3848 Website: www.ace-electrical.com	<b>Specialties</b> Controls Lighting Motors and VFDs	<b>Business Type</b> Contractor	<b>Join Date</b> 02/11/2013	<b>Projects Completed</b> 1
<b>Perfect Vision Lighting*</b> 1489 So. Trapper Ct. Saratoga Springs, UT Phone: 801-509-1235	<b>Specialties</b> Lighting	<b>Business Type</b> Other	<b>Join Date</b> 05/30/2005	<b>Projects Completed</b> 141
<b>Allred's Incorporated</b> 642 North 1000 West Unit # 104 Logan, UT Phone: 435-774-1200 Website: www.allreds.net	<b>Specialties</b> HVAC - unitary	<b>Business Type</b> Distributor	<b>Join Date</b> 05/11/2011	<b>Projects Completed</b> 1
<b>J and J Electric Inc.</b> 3410 S. 1500 W. Ogden, UT Phone: 801-622-0270	<b>Specialties</b> Lighting	<b>Business Type</b> Contractor	<b>Join Date</b> 07/01/2011	<b>Projects Completed</b> 6
<b>DMA - Total Lighting Concepts</b> 1920 W. Alexander Street West Valley City, UT Phone: 801-328-6653 x 8745	<b>Specialties</b> Controls Lighting	<b>Business Type</b> Manufacturer - Rep	<b>Join Date</b> 05/30/2005	<b>Projects Completed</b> 2
<b>Harris Lighting</b> 4035 Reynolds Blvd. Green Cove Springs, FL Phone: 904-294-0126 Website: harrislighting.com	<b>Specialties</b> Lighting	<b>Business Type</b> Other	<b>Join Date</b> 04/10/2010	<b>Projects Completed</b> 1
<b>Intertech Communications Electric, Inc.</b> 756 South Main Suite A Brigham City, UT Phone: 435-723-7165	<b>Specialties</b> Lighting	<b>Business Type</b> Contractor	<b>Join Date</b> 01/21/2013	<b>Projects Completed</b> 1
<b>AC&amp;H Supply</b> Sandy, UT Phone: 801-676-7577	<b>Specialties</b> HVAC - unitary	<b>Business Type</b> Distributor	<b>Join Date</b> 05/01/2009	<b>Projects Completed</b> 1
<b>IG Group LLC-Db a IG Sign</b> 880 North 100 East Lehi, UT Phone: 801-836-7446 Website: www.igsign.com	<b>Specialties</b> Lighting Other: Other Specialty	<b>Business Type</b> Other	<b>Join Date</b> 03/11/2013	<b>Projects Completed</b> 1
<b>CR Lighting &amp; Electric, Inc.</b> 1035 W. Gentile St. Layton, UT Phone: 801-544-1533 Website: crlighting.net	<b>Specialties</b> Lighting	<b>Business Type</b> Contractor	<b>Join Date</b> 04/03/2003	<b>Projects Completed</b> 21

# Energy Efficiency Alliance



<b>Energy Retrofit</b> 27363 Via Industria Temecula, CA Phone: 951-234-0342 Website: www.energyretrofitco.net	<b>Specialties</b> Controls Lighting	<b>Business Type</b> Distributor	<b>Join Date</b> 09/21/2012	<b>Projects Completed</b> null
<b>Ralph Tye &amp; Sons</b> 5200 S 300 W Murray, UT Phone: 801-262-9900	<b>Specialties</b> HVAC - unitary Motors and VFDs Other: Other Specialty	<b>Business Type</b> Contractor	<b>Join Date</b> 06/01/2012	<b>Projects Completed</b> Completed
<b>Valley Implement</b> 2570 N Main Logan, UT Phone: 435-787-1586 Website: valley-implement.com	<b>Specialties</b> Controls Farm and Dairy Irrigation Motors and VFDs	<b>Business Type</b> Contractor	<b>Join Date</b> 12/05/2012	<b>Projects Completed</b> null
<b>Utah Climate HVAC</b> 111 W. 2900 S. Bountiful, UT Phone: 801-671-6202 Website: utahclimate.com	<b>Specialties</b> HVAC - unitary Motors and VFDs	<b>Business Type</b> Contractor	<b>Join Date</b> 07/01/2005	<b>Projects Completed</b> Completed
<b>Maddox Air Compressor Inc,</b> 2844 Commerce Way Ogden, UT Phone: 801-731-4000 Website: maddoxair.com	<b>Specialties</b> Controls Motors and VFDs	<b>Business Type</b> Distributor Manufacturer - Rep	<b>Join Date</b> 10/01/2004	<b>Projects Completed</b> Completed
<b>Skyline Electric Company</b> 1848 W 2300 S West Valley City, UT Phone: 801-972-3656 Website: skyline-electric.com	<b>Specialties</b> Controls Lighting Motors and VFDs	<b>Business Type</b> Contractor	<b>Join Date</b> 12/02/2002	<b>Projects Completed</b> 21
<b>High Country HVAC Inc</b> 1306 N 1700 W Farmington, UT Phone: 801-296-0477 Website: highcountryhvac.com	<b>Specialties</b> HVAC - unitary	<b>Business Type</b> Contractor	<b>Join Date</b> 04/01/2009	<b>Projects Completed</b> Completed
<b>Applied Industrial Technologies</b> 2753 S. Midland Dr. Ogden, UT Phone: 801-399-5564 Website: applied.com	<b>Specialties</b> Motors and VFDs	<b>Business Type</b> Distributor	<b>Join Date</b> 06/01/2004	<b>Projects Completed</b> Completed
<b>Energy Products LLC</b> 2581 Jupiter Park Dr. Suite F1 Jupiter, FL Phone: 561-746-8889 Website: energyproductsolutions.com	<b>Specialties</b> Controls HVAC - unitary Lighting	<b>Business Type</b> Distributor Manufacturer - Rep	<b>Join Date</b> 01/01/2008	<b>Projects Completed</b> Completed
<b>Electrical Construction &amp; Design</b> 1436 Spanish Valley Dr. Moab, UT Phone: 435-259-9753 Website: western-industrial.com	<b>Specialties</b> Lighting Motors and VFDs	<b>Business Type</b> Contractor	<b>Join Date</b> 11/01/2005	<b>Projects Completed</b> Completed
<b>Sun Valley Electric, Inc.</b> 400 W. 100 N. Hurricane, UT Phone: 435-705-4676	<b>Specialties</b> Lighting	<b>Business Type</b> Contractor	<b>Join Date</b> 03/11/2011	<b>Projects Completed</b> Completed
<b>National Equipment Corporation</b> 242 W 3680 S Salt Lake City, UT Phone: 801-266-5824	<b>Specialties</b> Other: Other Specialty	<b>Business Type</b> Distributor	<b>Join Date</b> 02/01/2009	<b>Projects Completed</b> Completed



# Energy Efficiency Alliance



<b>Dykman Electrical, Inc.</b> 3060 W California Ave., Suite Salt Lake City, UT Phone: 801-974-4440 Website: adykes.com	<b>Specialties</b> Motors and VFDs	<b>Business Type</b> Distributor	<b>Join Date</b> 06/01/2004	<b>Projects Completed</b> 2
<b>Royal Wholesale Electric - Tooele</b> 332 So. 1200 W Tooele, UT Phone: 435-882-4787	<b>Specialties</b> Lighting Motors and VFDs	<b>Business Type</b> Distributor	<b>Join Date</b> 06/09/2007	<b>Projects Completed</b> 2
<b>LMS - Lighting Maintenance Service*</b> 663 West 4330 South Salt Lake City, UT Phone: 801-281-0400 Website: lmslighting.com	<b>Specialties</b> Lighting	<b>Business Type</b> Contractor	<b>Join Date</b> 10/02/2002	<b>Projects Completed</b> 293
<b>Crum Electric</b> 925 West 100 North St. E North Salt Lake, UT Phone: 801-936-2786 Website: crum.com	<b>Specialties</b> HVAC - unitary Lighting Motors and VFDs	<b>Business Type</b> Distributor	<b>Join Date</b> 02/10/2007	<b>Projects Completed</b> 4
<b>Western Industrial</b> 669 W. Quinn #12 Pocatello, ID Phone: 208-237-1000 Website: western-industrial.com	<b>Specialties</b> Motors and VFDs	<b>Business Type</b> Distributor	<b>Join Date</b> 09/01/2004	<b>Projects Completed</b> 2
<b>Motion Industries Inc.</b> 2377 S 1900 W Ogden, UT Phone: 801-732-1881 Website: motionindustries.com	<b>Specialties</b> HVAC - unitary Motors and VFDs	<b>Business Type</b> Distributor	<b>Join Date</b> 03/01/2006	<b>Projects Completed</b> 2
<b>Johnson Electric Motor, Inc.</b> 2925 S Commerce Way Ogden, UT Phone: 801-621-3853	<b>Specialties</b> Controls Motors and VFDs	<b>Business Type</b> Contractor Distributor	<b>Join Date</b> 10/01/2004	<b>Projects Completed</b> 2
<b>Financial Energy Management</b> 4634 South Broadway Englewood, CO Phone: 303-781-8455 Website: financialenergy.com	<b>Specialties</b> Motors and VFDs	<b>Business Type</b> Contractor	<b>Join Date</b> 05/01/2004	<b>Projects Completed</b> 2
<b>WESCO Distribution - Ogden</b> 1080 South Depot Drive Ogden, UT Phone: 801-605-5630 Website: www.wesco.com	<b>Specialties</b> Controls Lighting Motors and VFDs	<b>Business Type</b> Distributor	<b>Join Date</b> 11/30/2012	<b>Projects Completed</b> 2
<b>B. Jackson Construction</b> 5501 W. Wells Park Rd. West Jordan, UT Phone: 801-260-0988	<b>Specialties</b> HVAC - unitary Lighting	<b>Business Type</b> Contractor	<b>Join Date</b> 06/01/2010	<b>Projects Completed</b> 5
<b>Eco Safe Lighting</b> 4600 NW Camas Meadows Drive, Suite 210 Camas, WA Phone: 360-567-1923 Website: http://www.est-lights.com/about-us/	<b>Specialties</b> Lighting	<b>Business Type</b> Distributor	<b>Join Date</b> 02/11/2013	<b>Projects Completed</b> 2
<b>Bright Idea Energy Solutions LLC</b> 207 S Third Ave Evansville, IN Phone: 708-638-0039 Website: brightideaES.com	<b>Specialties</b> Motors and VFDs	<b>Business Type</b> Distributor Manufacturer - Rep	<b>Join Date</b> 07/01/2009	<b>Projects Completed</b> 2

<b>Hidden Valley Electric</b> 11552 Hickory Valley Dr Sandy, UT Phone: 801-707-6873	<b>Specialties</b> Lighting	<b>Business Type</b> Contractor	<b>Join Date</b> 09/10/2010	<b>Projects Completed</b> Completed
<b>OLC Consulting LLC</b> 11949 Hidden Valley Rd., STE 102 Sandy, UT Phone: 801-633-1084	<b>Specialties</b> Controls Lighting Motors and VFDs	<b>Business Type</b> Contractor	<b>Join Date</b> 09/22/2012	<b>Projects Completed</b> null
<b>Royal Wholesale Electric - Orem</b> 21 S 1500 W Orem, UT Phone: 801-224-5555 Website: www.royalutah.com	<b>Specialties</b> Lighting	<b>Business Type</b> Distributor	<b>Join Date</b> 09/22/2012	<b>Projects Completed</b> null
<b>Cook Electric Inc.</b> 10956 S. Surrey Meadow dr. South Jordan, UT Phone: 801-755-5942	<b>Specialties</b> Lighting	<b>Business Type</b> Contractor	<b>Join Date</b> 02/09/2013	<b>Projects Completed</b> Completed
<b>Whitehead Wholesale Electric, Inc.</b> 247 34th St. Ogden, UT Phone: 801-394-1657	<b>Specialties</b> Lighting	<b>Business Type</b> Distributor	<b>Join Date</b> 04/15/2006	<b>Projects Completed</b> 35
<b>Enersave Intelligent Savings, LLC.</b> 1495 East 3300 South Salt Lake City, UT Phone: 801-706-1041 Website: www.enersave-is.com	<b>Specialties</b> Lighting	<b>Business Type</b> Other	<b>Join Date</b> 05/01/2011	<b>Projects Completed</b> Completed
<b>C-Mation LLC</b> 3565 S West Temple Salt Lake City, UT Phone: 801-268-1425 Website: cmation.com	<b>Specialties</b> HVAC - unitary Motors and VFDs	<b>Business Type</b> Contractor	<b>Join Date</b> 04/01/2009	<b>Projects Completed</b> Completed
<b>Trane*</b> 2817 S. 1030 W. Salt Lake City, UT Phone: 801-486-0500 Website: www.ingersollrand.com	<b>Specialties</b> Controls HVAC - unitary Motors and VFDs	<b>Business Type</b> Distributor Manufacturer - Rep	<b>Join Date</b> 03/01/2005	<b>Projects Completed</b> Completed
<b>CraLux Lighting*</b> 759 Roberta St. Salt Lake City, UT Phone: 801-673-4722 Website: craluxlighting.com	<b>Specialties</b> Lighting	<b>Business Type</b> Distributor	<b>Join Date</b> 05/12/2009	<b>Projects Completed</b> 240
<b>U.S. Lightworks</b> 3435 Judy Circle Riverton, UT Phone: 801-446-0142 Website: uslightworks.com	<b>Specialties</b> Controls Lighting	<b>Business Type</b> Distributor Manufacturer - Rep Other	<b>Join Date</b> 05/05/2007	<b>Projects Completed</b> 4
<b>Eclipse Electric Inc.</b> 448 S. 500 E. Smithfield, UT Phone: 435-994-1500	<b>Specialties</b> Lighting	<b>Business Type</b> Contractor	<b>Join Date</b> 07/01/2011	<b>Projects Completed</b> 1
<b>Maneri Agraz Enterprises, LTD.</b> 1620 W Sam Houston Pkwy N Houston, TX Phone: 832-358-3900 Website: www.ma-llc.net	<b>Specialties</b> Lighting	<b>Business Type</b> Other: ESCO-Energy Services Company	<b>Join Date</b> 02/20/2013	<b>Projects Completed</b> Completed



Company Name	Specialties	Business Type	Join Date	Projects Completed
<b>Intellenergy LLC</b> 30 Old Kings-Highway South Darien, CT Phone: 203-273-5033 Website: intellenergy.com	Lighting	Distributor	07/29/2008	Completed
<b>Motion Industries Inc.</b> 2415 W Custer Rd. Salt Lake City, UT Phone: 801-972-1036 Website: motionindustries.com	Motors and VFDs	Distributor	02/01/2006	Completed
<b>Graybar Electric Company</b> 2841 So. 900 W. Salt Lake City, UT Phone: 801-975-1115 Website: graybar.com	Lighting Motors and VFDs	Distributor	05/30/2005	Completed 15
<b>Sika Sarnafil Incorporated</b> Salt Lake City, UT Phone: 801-575-8648 Website: usa.sarnafil.sika.com	Other: Other Specialty	Contractor	11/01/2011	Completed
<b>NGL Supply</b> 2236 South 3270 West #5 West Valley City, UT Phone: 801-973-5994	Lighting	Distributor	05/01/2008	Completed 4
<b>A + Mechanical LLC</b> 2829 Lastrada Way Riverton, UT Phone: 801-566-7020	HVAC - evaporative HVAC - unitary Motors and VFDs	Contractor	09/01/2008	Completed
<b>Lynn Woodward Electric LLC</b> 3336 So. 1325 W. Ogden, UT Phone: 801-621-3220 Website: lwe-llc.com	Lighting Motors and VFDs	Contractor	06/01/2007	Completed 12
<b>American Mechanical Systems Service, LLC</b> 7530 South State Street Midvale, UT Phone: 801-428-0400 Website: www.ams-ut.com	Controls HVAC - evaporative HVAC - unitary Motors and VFDs	Contractor	11/30/2012	Completed null
<b>Mechanical Service &amp; Systems, Inc.*</b> 6906 S 300 W Midvale, UT Phone: 801-255-9333	HVAC - unitary Lighting Motors and VFDs	Contractor	08/01/2006	Completed 2



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Appendix 8  
Earned Media Coverage  
2012

## **Earned media coverage of wattsmart/energy efficiency in Utah in 2012**

March 21, 2012 – Salt Lake Tribune: Solar panels power lights, curriculum at Utah schools  
<http://www.sltrib.com/sltrib/neighborhooddaviscounty/53734282-123/academy-solar-energy-quest.html.csp> (While primarily about the solar panels, this article also touches on energy efficiency learning and practices...Quest Academy's "Watt Smart" program came about following a presentation by a Rocky Mountain Power representative at a solar project ribbon cutting event where energy efficiency was also discussed.)

April 29 – Swamp coolers are cheaper, more eco-friendly  
<http://fox13now.com/2012/04/29/swamp-coolers-are-cheaper-more-eco-friendly/>

May 2 – Rocky Mountain Power helps recycle old fridges  
<http://fox13now.com/2012/05/02/rocky-mountain-power-helps-recycle-old-fridges/>

June 26 – KSL: Rocky Mountain Power: "Wattsmart" Kitchen Tips  
<http://studio5.ksl.com/?nid=124&sid=20999635>

July 3 – Fox 13: Rocky Mountain Power: Energy saving tips  
<http://fox13now.com/2012/07/03/rocky-mountain-power-energy-saving-tips/>

July 9 – Deseret News: Try to beat or just tolerate the heat  
<http://www.deseretnews.com/article/865558758/Try-to-beat-or-just-tolerate--the-heat.html>

July 18 – ABC4: Energy Saving Tips  
[http://www.abc4.com/content/news/top\\_stories/story/Energy-Saving-Tips/PzcgflfLkWBnqpQiltgfg.csp](http://www.abc4.com/content/news/top_stories/story/Energy-Saving-Tips/PzcgflfLkWBnqpQiltgfg.csp)

July 18 – Salt Lake Tribune: Home Depot, Utah utility team for energy-savings event  
<http://archive.sltrib.com/article.php?id=22115939&itype=storyID>

Aug. 21 – KSL: How much energy do you use compared to your neighbors?  
<http://www.ksl.com/?nid=148&sid=21810161>

Aug. 23 – ABC4: Save Power and Money  
[http://www.abc4.com/content/news/top\\_stories/story/Save-Power-and-Money/u0KUqIh7zUKJ\\_Qdzjm1PwA.csp](http://www.abc4.com/content/news/top_stories/story/Save-Power-and-Money/u0KUqIh7zUKJ_Qdzjm1PwA.csp)

Aug. 30 – Salt Lake Tribune: Utility's program rewards those who save as they build  
<http://www.sltrib.com/sltrib/mobile/54796079-68/energy-program-homes-builders.html.csp>

Sept. 3 – Fox 13: RMP New Homes program increases efficiency, lowers costs  
<http://fox13now.com/2012/09/03/rmp-new-homes-program-increases-efficiency-lowers-costs/>

Sept. 20 – Salt Lake Tribune: Utility, Home Depot team up to push energy efficiency  
<http://www.sltrib.com/sltrib/money/54933854-79/energy-depot-cash-efficiency.html.csp>

Oct. 14 – KUER: Study shows Utah could save twice as much with energy efficiency programs  
<http://www.kuer.org/post/study-shows-utah-could-save-twice-much-energy-efficiency-programs>

Nov. 15 – Sun Advocate: Rocky Mountain Power offers help for home energy efficiency  
[http://www.sunad.com/index.php?tier=1&article\\_id=26480](http://www.sunad.com/index.php?tier=1&article_id=26480) (May be a broken link)

Nov. 30 – eBay green blog: Rocky Mountain Power and eBay Inc. see Green at Topaz Data Center  
<http://green.ebay.com/greenteam/blog/Rocky-Mountain-Power-and-eBay-Inc-See-Green-at-Topaz-Data-Center/11607>

Dec. 26 – KUTV: (live news story about animated “wattsmart Christmas Carol” featuring KUTV news personalities...story not available on KUTV news site, but here’s a link to a blog post with the video: <http://www.rockymountainpower.net/about/nr/rmpol/archive/rmpol21111.html>)



# Appendix 9

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## Portfolio of Advertisements 2012

## **wattsmart Advertising Campaign**

The *wattsmart* advertising campaign is comprised of a multi-media mix designed to reach as many customers as possible with the greatest frequency.

### **wattsmart habits TV**

#### **:30's**

- [wattsmart Tuba \(using energy wisely\)](#)
- [wattsmart Math \(using energy wisely\)](#)







#### **:15's**

- [Evaporative cooling](#)
- [Summer Rates](#)
- [Energy Break/Peak Demand](#)
- [Cool Keeper](#)



### **wattsmart radio**

- [Peak Demand](#)
- [Thermostat](#)
- [Tune Up](#)

### **wattsmart habits print**

-  [Summer rates](#)
-  [Set your thermostat to 78](#)
-  [Peak demand/Avoid large appliance use between 2 and 8 p.m.](#)
-  [Cool Keeper](#)
-  [Evaporative cooling](#)
-  [wattsmart new homes](#)

### **wattsmart habits transit**

-  [Kongs - Power Button/Ceiling Fans/Large Appliances/Off Switch/Thermostat \(PDF\)](#)
-  [Queens - Thermostat/off switch/Peak demand/Ceiling fan/Power button \(PDF\)](#)

### **wattsmart habits web banners**

- [Thermostat](#)
- [Evaporative Cooling](#)

- [Peak demand](#)
- [Ceiling fan](#)
- [Summer rates](#)
- [Cool Keeper](#)



## Appendix 10

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# Utah Self-Direction Administrators Report





**Self-Direction Credit  
Program Administrator**  
1338 South Foothill Drive, #269  
Salt Lake City, Utah 84108  
1-888-682-1234  
fax (801) 485-4754

April 19, 2013

Public Service Commission of Utah  
Heber M. Wells Building, 4<sup>th</sup> Floor  
160 East 300 South  
Salt Lake City, UT 84114

Attn: Julie P. Orchard  
Commission Secretary

RE: Self-Direction Administrator Report on Rocky Mountain Power's Self-Direction Credit Program (Schedule 192) for 2012

Provision of Service no. 6 in Schedule 192 (Self-Direction Credit program) of Rocky Mountain Power (Company) requires the Self-Direction Credit Program Administrator to file annual reports with the Commission and Company regarding the performance of the Self-Direction Credit program. Nexant, Inc., an energy industry services firm, administers the Self-Direction Credit program for Rocky Mountain Power. The report provided herein constitutes the annual report for program year 2012 summarizing the progress of the Self-Direction Credit program in acquiring cost-effective electric demand-side management (DSM) savings. Included is a description of the savings realized and costs incurred through Rocky Mountain Power's Self-Direction Credit program during 2012.

### **Background**

On September 23, 2003, the Public Service Commission of Utah (Commission) approved the Self-Direction Credit program. The Self-Direction Credit program provides large business customers whose electrical needs exceed 5,000,000 kWh or 1,000 kW in the prior twelve months the opportunity to receive credits to offset the DSM Surcharge, administered through Schedule 193, for qualified energy efficiency projects. Eligible customers must self-fund the energy engineering and implementation of conservation projects at their facilities. Total credits disbursed through the Self-Direction Credit program in any given year may not exceed the annual program cap of \$5,000,000 (See Docket No. 10-035-T03).

In 2012, the March 31, 2014 expiration of Schedule 192 Self-Direction Credit and Schedule 193 Demand-side Management Cost Adjustment was removed. (See Docket No. 12-035-T03).

Two project types may be submitted to the Self-Direction Credit program. A description of each project type is as follows:

- Standard Projects. Standard projects are cost-effective electric conservation projects completed by the customer on or after the date of Commission approval of Schedule 192. Approved projects

receive a Self-Direction credit in the amount of eighty percent (80%) of eligible expenses. Standard projects are also referred to as “80% credit” projects.

- **Opt-out Projects.** Opt-out projects pertain to customers who demonstrate that there are no remaining cost effective electric DSM projects with a payback period of eight (8) years or less available at any of the eligible customer’s facilities used to meet the minimum usage requirements. To qualify for the opt-out credit, customers must hire an auditor retained by the Self-Direction Administrator to study the eligible facilities to ensure no remaining projects exist. Approved projects receive a Self-Direction credit in the amount of fifty percent (50%) of the DSM Surcharge for a period of two years.

**Standard Projects**

For the 2012 Program Year (January 1, 2012 through December 15, 2012), a total of fifty-five (55) projects were approved by the Self-Direction Administrator. Although Schedule No. 192 does not require pre-qualification, twenty-two (22) standard projects applied for pre-qualification prior to commencing construction activities. Thirty-three (33) projects were qualified as completed projects. Of the thirty-three (33) projects that received approval, sixteen (16) received pre-approval in 2012 or in previous program years. Key conservation measures are comparable to prior years and include lighting and mechanical retrofits.

**Table 1 – Self Direction Projects, Self Direction Credits Approved and Annual Savings for 2012**

Year	Number of Projects		Self-direction Credits Approved	Savings	
	Pre-Qualified	Completed		Annual Energy (MWh)	Ave. Monthly Peak (MW)
2012	22	33	\$ 3,588,586	15,515 MWh	2.199

Tables 5 through 22 below provide a summary of the credits paid to date and the projected credit disbursement through December 2021.

**“Opt Out” 50% Self-Direction Credit**

No opt-out projects were submitted to the program during 2012. This is the same as in prior years.

**Credits Utilized and Credit Caps**

As part of Docket No. 10-035-T03, individual credit caps associated with the separate project types (Transition, Standard, and Opt-Out) were eliminated and replaced with a \$5.0 million annual aggregate cap. As participation and completed project count increases, annual credit disbursement also increases. Information on credits utilized by type during calendar year 2012 is provided in Table 2 below.

**Table 2- Credits Utilized by Type 2012**

<b>Year</b>	<b>Standard Project Credits</b>	<b>Transition Credits</b>	<b>Opt-Out Credits</b>
2012	\$2,559,372	\$0	\$0

**Program Summary**

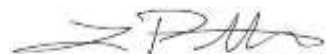
Program to date<sup>1</sup>, the Self-Direction Administrator has approved five (5) transition projects<sup>2</sup> and one-hundred eighty-nine (189) standard projects, for a total of one-hundred ninety-four (194). The total amount of Self-Direction credits authorized by this writing from 2004 through 2012 was \$20,518,560 to achieve 106,484 MWh of annual energy savings and an average monthly peak demand savings of 11,238 MW.

The following tables summarize the results for the 2012 calendar year and program-to-date:

- Table 3 summarizes the project savings, credits, and costs for all projects approved from 2004 through 2012.
- Table 4 summarizes the project savings, credits, and costs for the 2012 calendar year.
- Tables 5 - 22 provide information on credits utilized per month since program inception and a forecast of credits for 2012 through 2021 based on projects pre-approved and approved through December 2012.

Please be in touch with any questions.

Regards,



Lauren Pendleton  
Self-Direction Credit Program Administrator  
Nexant, Inc.  
888.682.1234

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<sup>1</sup> Through December 2012

<sup>2</sup> Transition projects were cost-effective electric conservation projects that were completed by the customer between August 1, 2001 and the date of Commission approval of Schedule 192 on September 23, 2003.

**Table 3. Program-to-date Self-Direction Program Savings and Credits<sup>3</sup>.  
(inclusive of projects approved for Self Direction Credits only)**

<b>Project Type</b>	<b>Measure Type</b>	<b># of Projects</b>	<b>Average Demand Savings (kW/mo)</b>	<b>Energy Savings (kWh/yr)</b>	<b>Eligible Expenses</b>	<b>Total Credit Amount</b>
Transition <sup>4</sup>	All	5	-	-	\$ 914,087	\$ 511,889
Standard	Commercial Lighting	58	3,289	19,385,839	\$5,751,365	\$4,601,092
Standard	Commercial Mechanical	8	627	4,282,273	\$1,446,473	\$1,157,179
Standard	Industrial Lighting	65	3,075	22,954,443	\$5,281,841	\$4,225,472
Standard	Industrial Mechanical	58	4,248	59,861,298	\$12,528,661	\$10,022,929
	<b>Total</b>	<b>194</b>	<b>11,238</b>	<b>106,483,853</b>	<b>\$25,922,427</b>	<b>\$20,518,561</b>

<sup>3</sup> Through December 31, 2012. Note: Individual line items were rounded to the whole kW, kWh, and dollar. The sum of the numbers may not equal the total amounts listed due to rounding.

<sup>4</sup> Transition projects were cost-effective electric conservation projects that were completed by the customer between August 1, 2001 and the date of Commission approval of Schedule 192 on September 23, 2003.

**Table 4 - CY 2012 Self-Direction Program Savings, Credits, and Costs<sup>5</sup>**

Measure Type	# of Projects	Average Demand Savings (kW/mo)	Energy Savings (kWh/yr)	Eligible Expenses	Total Credit Amount	Administrative Costs <sup>6</sup>	Measure Life Estimate <sup>7</sup>
Commercial Lighting	11	920	6,810,087	\$2,321,603	\$1,857,282	\$600,706	15
Commercial Mechanical	2	236	674,100	\$512,734	\$410,187		15
Industrial Lighting	13	375	2,983,908	\$964,546	\$771,636		15
Industrial Mechanical	7	668	5,046,490	\$686,850	\$549,480		15
<b>Total</b>	<b>33</b>	<b>2,199</b>	<b>15,514,585</b>	<b>\$4,485,732</b>	<b>\$3,588,586</b>	<b>\$600,706</b>	

<sup>5</sup> Individual line items were rounded to the whole kW, kWh, and dollar. The sum of the numbers may not equal the total amounts listed due to rounding.

<sup>6</sup> Costs include the 2012 Self Direction program year review done by a PacifiCorp cost-effectiveness evaluator.

<sup>7</sup> Measure life adjusted to provide consistency with Energy FinAnswer program, which is a commonly evaluated alternative for projects. These assumptions represent a change from 2008 analysis.

**Tables 5 through 22. Self-Direction Program Credits Dispersed and Projections**

**Table 5 Program Year 2004,  
Year End Summary**

<b>Month</b>	<b>56% Self Direction Credits*</b>	<b>80% Self Direction Credits*</b>
April-04	\$ -	\$ -
May-04	\$ 5,351	\$ -
June-04	\$ 41,991	\$ -
July-04	\$ 15,446	\$ -
August-04	\$ 29,740	\$ -
September-04	\$ 25,237	\$ 11,282
October-04	\$ 23,201	\$ 10,282
November-04	\$ 19,952	\$ 14,905
December-04	\$ 20,358	\$ 16,613
January-05	\$ 19,024	\$ 14,986
February-05	\$ 21,940	\$ 17,892
March-05	\$ 17,382	\$ 12,884
<b>FY 2005 Total</b>	<b>\$ 239,623</b>	<b>\$ 98,843</b>

**Table 6 Program Year 2005,  
Year End Summary**

<b>Month</b>	<b>56% Self Direction Credits*</b>	<b>80% Self Direction Credits*</b>
April-05	\$ 18,464	\$ 21,952
May-05	\$ 24,605	\$ 33,964
June-05	\$ 33,708	\$ 20,094
July-05	\$ (8,312)	\$ 66,572
August-05	\$ 19,198	\$ 51,957
September-05	\$ 21,886	\$ 52,096
October-05	\$ 7,174	\$ 49,880
November-05	\$ 15,384	\$ 45,745
December-05	\$ 1,016	\$ 51,411
January-06**	\$ 5,937	\$ 60,588
February-06**	\$ 4,105	\$ 65,140
March-06**	\$ 4,567	\$ 46,823
<b>FY2006 Total</b>	<b>\$ 147,731</b>	<b>\$ 566,222</b>

**Table 7 Program Year 2006,  
Year End Summary**

<b>Month</b>	<b>56% Self Direction Credits*</b>	<b>80% Self Direction Credits*</b>
January-06	\$ 5,937	\$ 60,588
February-06	\$ 4,105	\$ 65,140
March-06	\$ 4,567	\$ 46,823
April-06	\$ 4,601	\$ 88,941
May-06	\$ 4,604	\$ 83,725
June-06	\$ 5,165	\$ 105,286
July-06	\$ 5,216	\$ 108,617
August-06	\$ 4,640	\$ 97,999
September-06	\$ 3,749	\$ 58,757
October-06	\$ 3,355	\$ 69,776
November-06	\$ 2,978	\$ 62,398
December-06	\$ 8,281	\$ 72,631
<b>CY2006 Total</b>	<b>\$ 57,198</b>	<b>\$ 920,681</b>

**Table 8 Program Year 2007,  
Year End Summary**

<b>Month</b>	<b>56% Self Direction Credits*</b>	<b>80% Self Direction Credits*</b>
January-07	\$ (2,091)	\$ 70,629
February-07	\$ 3,155	\$ 87,387
March-07	\$ 3,276	\$ 80,363
April-07	\$ 3,191	\$ 74,099
May-07	\$ 3,248	\$ 76,683
June-07	\$ 3,675	\$ 107,624
July-07	\$ 3,137	\$ 121,658
August-07	\$ 4,064	\$ 122,189
September-07	\$ 3,868	\$ 138,622
October-07	\$ 4,094	\$ 116,608
November-07	\$ 10,516	\$ 108,338
December-07	\$ 9,930	\$ 120,156
<b>CY2007 Total</b>	<b>\$ 50,061</b>	<b>\$ 1,224,356</b>

**Table 9 Program Year 2008,  
Year End Summary**

<b>Month</b>	<b>56% Self Direction Credits*</b>	<b>80% Self Direction Credits*</b>
January-08	\$ (9,931)	\$ 133,325
February-08	\$ 3,496	\$ 124,792
March-08	\$ 4,885	\$ 126,207
April-08	\$ -	\$ 140,256
May-08	\$ -	\$ 138,372
June-08	\$ -	\$ 159,009
July-08	\$ -	\$ 158,315
August-08	\$ -	\$ 163,744
September-08	\$ 17,630	\$ 178,534
October-08	\$ (17,630)	\$ 175,267
November-08	\$ (1,315)	\$ 130,448
December-08	\$ -	\$ 129,676
<b>CY2008Total</b>	<b>\$ (2,866)</b>	<b>\$ 1,757,945</b>

**Table 10 Program Year 2009,  
Year End Summary**

<b>Month</b>	<b>56% Self Direction Credits*</b>	<b>80% Self Direction Credits*</b>
January-09	\$ -	\$ 126,127
February-09	\$ -	\$ 141,703
March-09	\$ -	\$ 110,502
April-09	\$ -	\$ 131,669
May-09	\$ -	\$ 145,628
June-09	\$ -	\$ 177,750
July-09	\$ -	\$ 181,368
August-09	\$ -	\$ 185,473
September-09	\$ -	\$ 223,484
October-09	\$ -	\$ 354,483
November-09	\$ -	\$ 280,926
December-09	\$ -	\$ 212,829
<b>CY2009 Total</b>	<b>\$ -</b>	<b>\$ 2,271,941</b>



**Table 11 Program Year 2010,  
Year End Summary**

<b>Month</b>	<b>56% Self Direction Credits*</b>	<b>80% Self Direction Credits*</b>
January-10	\$ -	\$ 136,916
February-10	\$ -	\$ 142,348
March-10	\$ -	\$ 185,191
April-10	\$ -	\$ 187,450
May-10	\$ -	\$ 201,550
June-10	\$ -	\$ 285,340
July-10	\$ -	\$ 308,743
August-10	\$ -	\$ 311,719
September-10	\$ -	\$ 271,197
October-10	\$ -	\$ 179,169
November-10	\$ -	\$ 149,845
December-10	\$ -	\$ 167,370
<b>CY2010 Total</b>	<b>\$ -</b>	<b>\$ 2,526,837</b>

**Table 12 Program Year 2011,  
Year End Summary**

<b>Month</b>	<b>56% Self Direction Credits*</b>	<b>80% Self Direction Credits*</b>
January-11	\$ -	\$ 204,153
February-11	\$ -	\$ 148,315
March-11	\$ -	\$ 139,492
April-11	\$ -	\$ 175,698
May-11	\$ -	\$ 174,109
June-11	\$ -	\$ 230,428
July-11	\$ -	\$ 242,906
August-11	\$ -	\$ 235,091
September-11	\$ -	\$ 237,714
October-11	\$ -	\$ 227,285
November-11	\$ -	\$ 230,379
December-11	\$ -	\$ 228,333
<b>CY2011 Total</b>	<b>\$ -</b>	<b>\$ 2,473,904</b>

**Table 13 Program Year 2012,  
Year End Summary**

Month	56% Self Direction Credits*	80% Self Direction Credits*
January-12	\$ -	\$ 212,030.82
February-12	\$ -	\$ 205,922.25
March-12	\$ -	\$ 190,952.25
April-12	\$ -	\$ 209,376.42
May-12	\$ -	\$ 149,516.46
June-12	\$ -	\$ 197,288.15
July-12	\$ -	\$ 210,455.19
August-12	\$ -	\$ 231,437.43
September-12	\$ -	\$ 212,772.41
October-12	\$ -	\$ 214,157.68
November-12	\$ -	\$ 190,697.67
December-12	\$ -	\$ 334,765.10
<b>CY2012 Total</b>	<b>\$ -</b>	<b>\$ 2,559,371.83</b>

**Table 14 Program Year 2013,  
Forecast**

Month	56% Self Direction Credits*	80% Self Direction Credits*
January-13	\$ -	\$ 250,763
February-13	\$ -	\$ 235,609
March-13	\$ -	\$ 233,800
April-13	\$ -	\$ 230,954
May-13	\$ -	\$ 230,954
June-13	\$ -	\$ 215,702
July-13	\$ -	\$ 201,558
August-13	\$ -	\$ 199,763
September-13	\$ -	\$ 199,763
October-13	\$ -	\$ 164,526
November-13	\$ -	\$ 164,526
December-13	\$ -	\$ 142,752
<b>CY2013 Total</b>	<b>\$ -</b>	<b>\$ 2,470,669</b>

**Table 15 Program Year 2014,  
Forecast**

Month	56% Self Direction Credits*	80% Self Direction Credits*
January-14	\$ -	\$ 131,339
February-14	\$ -	\$ 131,339
March-14	\$ -	\$ 131,339
April-14	\$ -	\$ 127,275
May-14	\$ -	\$ 127,275
June-14	\$ -	\$ 125,454
July-14	\$ -	\$ 125,454
August-14	\$ -	\$ 125,454
September-14	\$ -	\$ 125,454
October-14	\$ -	\$ 119,751
November-14	\$ -	\$ 119,751
December-14	\$ -	\$ 119,751
<b>CY2014 Total</b>	<b>\$ -</b>	<b>\$ 1,509,640</b>

**Table 16 Program Year 2015,  
Forecast**

Month	56% Self Direction Credits*	80% Self Direction Credits*
January-15	\$ -	\$ 64,363
February-15	\$ -	\$ 64,363
March-15	\$ -	\$ 64,363
April-15	\$ -	\$ 64,363
May-15	\$ -	\$ 64,363
June-15	\$ -	\$ 64,363
July-15	\$ -	\$ 64,363
August-15	\$ -	\$ 55,201
September-15	\$ -	\$ 55,201
October-15	\$ -	\$ 43,253
November-15	\$ -	\$ 43,253
December-15	\$ -	\$ 43,253
<b>CY2015 Total</b>	<b>\$ -</b>	<b>\$ 690,700</b>

**Table 17 Program Year 2016,  
Forecast**

<b>Month</b>	<b>56% Self Direction Credits*</b>	<b>80% Self Direction Credits*</b>
January-16	\$ -	\$ 43,253
February-16	\$ -	\$ 39,866
March-16	\$ -	\$ 39,866
April-16	\$ -	\$ 39,233
May-16	\$ -	\$ 34,758
June-16	\$ -	\$ 25,330
July-16	\$ -	\$ 25,330
August-16	\$ -	\$ 25,330
September-16	\$ -	\$ 21,167
October-16	\$ -	\$ 21,167
November-16	\$ -	\$ 21,167
December-16	\$ -	\$ 14,885
<b>CY2016 Total</b>	<b>\$ -</b>	<b>\$ 365,252</b>

**Table 18 Program Year 2017,  
Forecast**

<b>Month</b>	<b>56% Self Direction Credits*</b>	<b>80% Self Direction Credits*</b>
January-17	\$ -	\$ 13,274
February-17	\$ -	\$ 13,274
March-17	\$ -	\$ 13,274
April-17	\$ -	\$ 13,274
May-17	\$ -	\$ 13,274
June-17	\$ -	\$ 13,274
July-17	\$ -	\$ 13,274
August-17	\$ -	\$ 13,274
September-17	\$ -	\$ 13,274
October-17	\$ -	\$ 13,274
November-17	\$ -	\$ 13,274
December-17	\$ -	\$ 13,274
<b>CY2017 Total</b>	<b>\$ -</b>	<b>\$ 159,289</b>

**Table 19 Program Year 2018,  
Forecast**

Month	56% Self Direction Credits*	80% Self Direction Credits*
January-18	\$ -	\$ 11,888
February-18	\$ -	\$ 11,888
March-18	\$ -	\$ 11,888
April-18	\$ -	\$ 11,888
May-18	\$ -	\$ 11,888
June-18	\$ -	\$ 11,888
July-18	\$ -	\$ 11,888
August-18	\$ -	\$ 11,888
September-18	\$ -	\$ 11,888
October-18	\$ -	\$ 11,888
November-18	\$ -	\$ 11,888
December-18	\$ -	\$ 11,888
<b>CY2018 Total</b>	<b>\$ -</b>	<b>\$ 142,657</b>

**Table 20 Program Year 2019,  
Forecast**

Month	56% Self Direction Credits*	80% Self Direction Credits*
January-19	\$ -	\$ 11,888
February-19	\$ -	\$ 11,888
March-19	\$ -	\$ 11,888
April-19	\$ -	\$ 11,888
May-19	\$ -	\$ 11,888
June-19	\$ -	\$ 9,528
July-19	\$ -	\$ 9,528
August-19	\$ -	\$ 9,528
September-19	\$ -	\$ 9,528
October-19	\$ -	\$ 9,528
November-19	\$ -	\$ 9,528
December-19	\$ -	\$ 9,528
<b>CY2019 Total</b>	<b>\$ -</b>	<b>\$ 126,134</b>

**Table 21 Program Year 2020,  
Forecast**

Month	56% Self Direction Credits*	80% Self Direction Credits*
January-20	\$ -	\$ 6,304
February-20	\$ -	\$ 6,304
March-20	\$ -	\$ 6,304
April-20	\$ -	\$ 4,386
May-20	\$ -	\$ 4,386
June-20	\$ -	\$ 4,386
July-20	\$ -	\$ 4,386
August-20	\$ -	\$ 4,386
September-20	\$ -	\$ 4,386
October-20	\$ -	\$ 4,386
November-20	\$ -	\$ 4,386
December-20	\$ -	\$ 4,386
<b>CY2020 Total</b>	<b>\$ -</b>	<b>\$ 58,384</b>

**Table 22 Program Year 2021,  
Forecast**

Month	56% Self Direction Credits*	80% Self Direction Credits*
January-21	\$ -	\$ 4,386
February-21	\$ -	\$ 4,386
March-21	\$ -	\$ 4,386
April-21	\$ -	\$ 4,386
May-21	\$ -	\$ 4,386
June-21	\$ -	\$ 4,386
July-21	\$ -	\$ 4,386
August-21	\$ -	\$ 4,386
September-21	\$ -	\$ 4,386
October-21	\$ -	\$ 4,386
November-21	\$ -	\$ 4,386
December-21	\$ -	\$ 4,386
<b>CY2021 Total</b>	<b>\$ -</b>	<b>\$ 43,857</b>

**Tables 5-22 Notes:**

Credits exclude administrative fees.

Credits based upon projects submitted through December 31, 2012.

\*Credits up through the December 2012 Billing Period are actual amounts disbursed by the Company. Credits starting in January 2013 are projections based on projects approved through December 15, 2012. Projections exclude potential participants or projects not yet enrolled in the program and assume the current collection rate of 3.20%. Monthly and credit year total values were rounded up individually.

\*\*Credits are repeated due to change in fiscal to calendar year accounting.

\*\*\*The March 31, 2014 expiration of Schedule 192 Self-Direction Credit and Schedule 193 Demand-side Management Cost Adjustment was removed in 2012. Accordingly, Tables 5 - 22 provide information on credits utilized per month since program inception and a forecast of credits for 2012 until they are applied in full through December 2021 based on projects pre-approved and approved through December 2012.