



Appendix 1

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Estimated Peak Contributions  
2013

Rocky Mountain Power

## **Energy Efficiency Programs**

The MW reported savings of 3.54 (at generation) for energy efficiency programs during 2013 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 2013, it is calculated that 2.13 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 (1.31 MW in 2013 for each average MWh of energy efficiency acquired) is the same as the average load profile factor of energy efficiency resources selected in the 2013 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 2013 IRP. Utilization of this factor in determining the MW contribution of energy efficiency programs for 2013 is detailed in the table below.

<b>Line</b>	<b>Description</b>	<b>Value</b>
1	First year EE program savings acquired during 2013	9,433
2	Average MWh value (line 1 / 8760 hours)	1.08
3	Peak MW contribution of 2013 EE acquisitions	1.41

As demonstrated, it is estimated that the residential energy efficiency program acquisitions in 2013 contributed 1.41 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 2.13 MW's estimated for the business programs and the 1.41 MW's estimated for residential programs make up the 3.54 MW savings value of energy efficiency programs.



## Appendix 2

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# Energy Efficiency Cost Effectiveness

Rocky Mountain Power

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## Portfolio and Sector Level Cost Effectiveness

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

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

<b>Portfolio and Sector Cost Effectiveness Summary</b>	<b>PTRC</b>	<b>TRC</b>	<b>UCT</b>	<b>RIM</b>	<b>PCT</b>
Energy Efficiency Portfolio Including Portfolio and Self Direction Costs	1.95	1.77	2.61	0.65	3.46
C&I Energy Efficiency Portfolio	2.13	1.94	2.99	0.71	3.17
Residential Energy Efficiency Portfolio	1.88	1.71	2.48	0.55	4.37

### 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 lists the utility sector-level inputs. Table 2 lists the portfolio costs. Table 3, Table 4, and Table 5 provide the cost-effectiveness results for:

- Wyoming 2013 Total DSM Portfolio, Including Self Direction
- Wyoming 2013 C&I DSM Portfolio, Including Self Direction
- Wyoming 2013 Residential DSM Portfolio

Except for the rate impact test (RIM), the 2013 DSM portfolio proved cost-effective from all perspectives.

**Table 1. Portfolio Utility Inputs**

Parameter	Value
Discount Rate	6.88%
Residential Line Loss	9.51%
Commercial Line Loss	8.90%
Industrial Line Loss	5.61%
Residential Energy Rate (\$/kWh) (base year 2013)	\$0.1042
Commercial Energy Rate (\$/kWh) (base year 2013)	\$0.0827
Industrial Energy Rate (\$/kWh) (base year 2013)	\$0.0613
Inflation Rate <sup>1</sup>	1.90%

<sup>1</sup>Future rates determined using a 1.9% annual escalator.

**Table 2. Portfolio Costs 2013**

Cost	Value
Portfolio Category 1	\$154,847
Portfolio Category 2	\$42,650
Portfolio Category 3	\$29,531
Outreach & Communication	\$177,711
<b>Total</b>	<b>\$404,739</b>

**Table 3. Wyoming 2013 Total DSM Portfolio Cost-Effectiveness Results  
(Including Self Direction)**

Cost-Effectiveness Test	Levelized \$/kWh	Costs	Benefits	Net Benefits	Benefit/Cost Ratio
Total Resource Cost Test (PTRC) + Conservation Adder	\$0.038	\$7,050,174	\$13,759,081	\$6,708,907	1.95
Total Resource Cost Test (TRC) No Adder	\$0.038	\$7,050,174	\$12,508,256	\$5,458,081	1.77
Utility Cost Test (UCT)	\$0.026	\$4,784,348	\$12,508,256	\$7,723,908	2.61
Rate Impact Test (RIM)		\$19,145,421	\$12,508,256	(\$6,637,165)	0.65
Participant Cost Test (PCT)		\$6,225,794	\$21,555,591	\$15,329,797	3.46
Lifecycle Revenue Impacts (\$/kWh)					\$0.000046437
Discounted Participant Payback (years)					1.77

**Table 4. Wyoming 2013 C&I DSM Portfolio Cost-Effectiveness Results  
(Including Self Direction)**

<b>Cost-Effectiveness Test</b>	<b>Levelized \$/kWh</b>	<b>Costs</b>	<b>Benefits</b>	<b>Net Benefits</b>	<b>Benefit/Cost Ratio</b>
Total Resource Cost Test (PTRC) + Conservation Adder	\$0.035	\$4,972,021	\$10,609,817	\$5,637,797	2.13
Total Resource Cost Test (TRC) No Adder	\$0.035	\$4,972,021	\$9,645,288	\$4,673,268	1.94
Utility Cost Test (UCT)	\$0.022	\$3,226,893	\$9,645,288	\$6,418,395	2.99
Rate Impact Test (RIM)		\$13,529,890	\$9,645,288	(\$3,884,601)	0.71
Participant Cost Test (PCT)		\$4,700,997	\$14,894,415	\$10,193,419	3.17
Lifecycle Revenue Impacts (\$/kWh)	\$0.000037678				
Discounted Participant Payback (years)	2.20				

**Table 5. Wyoming 2013 Residential DSM Portfolio Cost-Effectiveness Results**

<b>Cost-Effectiveness Test</b>	<b>Levelized \$/kWh</b>	<b>Costs</b>	<b>Benefits</b>	<b>Net Benefits</b>	<b>Benefit/Cost Ratio</b>
Total Resource Cost Test (PTRC) + Conservation Adder	\$0.042	\$1,673,414	\$3,149,264	\$1,475,850	1.88
Total Resource Cost Test (TRC) No Adder	\$0.042	\$1,673,414	\$2,862,967	\$1,189,553	1.71
Utility Cost Test (UCT)	\$0.029	\$1,152,715	\$2,862,967	\$1,710,252	2.48
Rate Impact Test (RIM)		\$5,210,792	\$2,862,967	(\$2,347,825)	0.55
Participant Cost Test (PCT)		\$1,524,798	\$6,661,176	\$5,136,378	4.37
Lifecycle Revenue Impacts (\$/kWh)	\$0.000016426				
Discounted Participant Payback (years)	1.11				

## Program Level Cost Effectiveness

### Home Energy Savings Program

The tables below present the cost-effectiveness findings of the Wyoming Home Energy Savings program based on 2013 costs and savings estimates. The utility discount rate is from the 2013 PacifiCorp Integrated Resource Plan (IRP).

Cost-effectiveness was tested using: the 2013 IRP east residential house 35% load factor decrement for the non-lighting measure group; and the 2013 IRP east residential lighting 48% decrement for the lighting measure group. Table 6 lists the utility inputs. Table 7 lists the annual program costs. Table 8 shows the annual energy savings and measure lives. Table 9 shows the cost-effectiveness results. Except for rate impact test (RIM), the Home Energy Savings program proves cost-effective from all perspectives.

**Table 6. Home Energy Savings Utility Inputs**

Parameter	Value
Discount Rate	6.88%
Residential Line Loss	9.51%
Residential Energy Rate (\$/kWh) (base year 2013)	\$0.1042
Inflation Rate <sup>1</sup>	1.90%

<sup>1</sup>Future rates determined using a 1.9% annual escalator.

**Table 7. Home Energy Savings Annual Program Costs<sup>1</sup>**

Measure Group	Utility Admin	Program Development	Program Delivery	Incentives	Total Utility Costs	Gross Customer Costs
Non-Lighting	N/A	N/A	N/A	\$373,032	N/A	\$940,524
Lighting	N/A	N/A	N/A	\$214,426	N/A	\$584,274
<b>Total</b>	<b>\$40,737</b>	<b>\$8,706</b>	<b>\$342,020</b>	<b>\$587,458</b>	<b>\$978,921</b>	<b>\$1,524,798</b>

1N/A indicates that costs were not allocated by measure group in the input spreadsheet.

**Table 8. Home Energy Savings Annual Energy Savings**

Measure Group	Gross kWh Savings	Realization Rate	Adjusted Gross Savings	Net to Gross Percentage	Net kWh Savings	Measure Life
Non-Lighting	2,037,958	112%	2,281,443	77%	1,766,840	10
Lighting	5,579,608	78%	4,352,094	65%	2,828,861	10
<b>Total</b>	<b>7,617,566</b>		<b>6,633,538</b>		<b>4,595,702</b>	



**Table 9. Home Energy Savings Cost-Effectiveness Results**

Cost-Effectiveness Test	Levelized \$/kWh	Costs	Benefits	Net Benefits	Benefit/Cost Ratio
Total Resource Cost Test (PTRC) + Conservation Adder	\$0.041	\$1,499,620	\$2,862,710	\$1,363,090	1.91
Total Resource Cost Test (TRC) No Adder	\$0.041	\$1,499,620	\$2,602,464	\$1,102,844	1.74
Utility Cost Test (UCT)	\$0.027	\$978,921	\$2,602,464	\$1,623,543	2.66
Rate Impact Test (RIM)		\$4,684,625	\$2,602,464	(\$2,082,161)	0.56
Participant Cost Test (PCT)		\$1,524,798	\$5,936,356	\$4,411,558	3.89
Lifecycle Revenue Impacts (\$/kWh)	\$0.000026913				
Discounted Participant Payback (years)	1.38				

**See ya later, refrigerator®**

The tables below present the cost-effectiveness findings of the Wyoming See Ya Later Refrigerator program based on 2013 costs and savings estimates. The utility discount rate is from the 2013 PacifiCorp Integrated Resource Plan.

Cost-effectiveness was tested using: the 2013 IRP east residential house 35% load factor decrement for refrigerators and freezers; and the 2013 IRP east residential lighting 48% load factor decrement for kits. Table 10 lists the utility inputs. Table 11 lists annual program costs. Table 12 provides the annual energy savings and measure lives. Table 13 shows the program cost-effectiveness results. Except for the rate impact test (RIM), the program proved cost-effective from all perspectives.

**Table 10. SYLR Utility Inputs**

Parameter	Value
Discount Rate	6.88%
Residential Line Loss	9.51%
Residential Energy Rate (\$/kWh) (base year 2013)	\$0.1042
Inflation Rate <sup>1</sup>	1.90%

<sup>1</sup>Future rates determined using a 1.9% annual escalator.

**Table 11. SYLR Annual Program Costs**

Measure	Utility Admin	Program Admin	Program Development	Incentives	Total Utility Costs
Refrigerators	\$10,686	\$63,107	\$7,445	\$25,720	\$106,957
Freezers	\$1,882	\$11,115	\$1,311	\$5,440	\$19,748
Kits	\$306	\$1,808	\$213	\$4,204	\$6,531
<b>Total</b>	<b>\$12,874</b>	<b>\$76,030</b>	<b>\$8,969</b>	<b>\$35,364</b>	<b>\$133,237</b>

**Table 12. SYLR Annual Energy Savings**

Measure	Gross kWh Savings	Realization Rate	Adjusted Gross Savings	Net-to-Gross Percentage	Net kWh Savings	Measure Life
Refrigerators	744,594	98%	729,702	42%	306,475	7
Freezers	122,400	105%	128,520	42%	53,978	5
Kits	46,464	45%	20,909	42%	8,782	6
<b>Total</b>	<b>913,458</b>		<b>879,131</b>		<b>369,235</b>	

**Table 13. SYLR Program Cost-Effectiveness Results**

Cost-Effectiveness Test	Levelized \$/kWh	Costs	Benefits	Net Benefits	Benefit/Cost Ratio
Total Resource Cost Test (PTRC) + Conservation Adder	\$0.059	\$133,237	\$172,518	\$39,281	1.29
Total Resource Cost Test (TRC) No Adder	\$0.059	\$133,237	\$156,835	\$23,598	1.18
Utility Cost Test (UCT)	\$0.059	\$133,237	\$156,835	\$23,598	1.18
Rate Impact Test (RIM)		\$354,864	\$156,835	(\$198,030)	0.44
Participant Cost Test (PCT)		\$0	\$563,048	\$563,048	N/A
Lifecycle Revenue Impacts (\$/kWh)					\$0.000003402
Discounted Participant Payback (years)					N/A

### Low-Income Weatherization

The tables below present the cost-effectiveness findings of the Wyoming Low Income Weatherization program based on 2013 costs and savings estimates. The utility discount rate is from the 2013 PacifiCorp Integrated Resource Plan.

Cost-effectiveness was tested using the 2013 IRP east residential house 35% load factor decrement. Table 14 lists the utility inputs. Table 15 lists the annual program costs. Table 16 provides the annual energy savings and measure life. Table 17 shows the program cost-effectiveness results. Except for the RIM, the program proves cost-effective from all perspectives.

**Table 14. Low Income Weatherization Utility Inputs**

Parameter	Value
Discount Rate	6.88%
Residential Line Loss	9.51%
Residential Energy Rate (\$/kWh) (base year 2013)	\$0.1042
Inflation Rate <sup>1</sup>	1.90%

<sup>1</sup>Future rates determined using a 1.9% annual escalator.

**Table 15. Low Income Weatherization Annual Program Costs**

	Utility Admin	Program Admin	Program Development	Incentives	Total Utility Costs
Low Income Weatherization	\$6,323	\$3,103	\$106	\$31,026	\$40,558

**Table 16. Low Income Weatherization Annual Energy Savings**

	Gross kWh Savings	Realization Rate	Adjusted Gross Savings	Net-to-Gross Percentage	Net kWh Savings	Measure Life
Low Income Weatherization	82,787	100%	82,787	100%	82,787	27

**Table 17. Low Income Weatherization Cost-Effectiveness Results**

Cost-Effectiveness Test	Levelized \$/kWh	Costs	Benefits	Net Benefits	Benefit/Cost Ratio
Total Resource Cost Test (PTRC) + Conservation Adder	\$0.035	\$40,558	\$114,036	\$73,478	2.81
Total Resource Cost Test (TRC) No Adder	\$0.035	\$40,558	\$103,669	\$63,111	2.56
Utility Cost Test (UCT)	\$0.035	\$40,558	\$103,669	\$63,111	2.56
Rate Impact Test (RIM)		\$171,303	\$103,669	(\$67,635)	0.61
Participant Cost Test (PCT)		\$0	\$161,771	\$161,771	N/A
Lifecycle Revenue Impacts (\$/kWh)					\$0.000000473
Discounted Participant Payback (years)					N/A

## FinAnswer Express

The tables below present the cost-effectiveness findings of the Wyoming FinAnswer Express program based on 2013 costs and savings estimates. The utility discount rate is from the 2013 PacifiCorp Integrated Resource Plan.

Cost-effectiveness was tested using the 2013 IRP east system 70% load factor decrement. Table 18 lists the utility inputs. Table 19 lists the annual program costs. Table 20 shows the annual energy savings and measure lives. Table 21 provides the cost-effectiveness results for the program overall. Except for the rate impact test (RIM), the program proved cost-effective from all perspectives. Table 22 provides the cost-effectiveness results for Category 2 measures, and Table 23 provides the results for Category 3 measures.

**Table 18. FinAnswer Express Utility Inputs**

Parameter	Value
Discount Rate	6.88%
Commercial Line Loss	8.90%
Industrial Line Loss	5.61%
Commercial Energy Rate (\$/kWh) (base year 2013)	\$0.0827
Industrial Energy Rate (\$/kWh) (base year 2013)	\$0.0613
Inflation Rate	1.90%

<sup>1</sup>Future rates determined using a 1.9% annual escalator.

**Table 19. FinAnswer Express Annual Program Costs**

	Engineering Costs	Utility Admin	Program Admin	Program Development	Incentives	Total Utility Costs	Gross Customer Costs
Category 2	\$174,781	\$65,693	\$327,433	\$41,767	\$721,412	\$1,331,087	\$2,216,929
Category 3	\$41,368	\$20,265	\$169,736	\$36,608	\$342,846	\$610,824	\$859,885
<b>Total</b>	<b>\$216,149</b>	<b>\$85,958</b>	<b>\$497,169</b>	<b>\$78,376</b>	<b>\$1,064,258</b>	<b>\$1,941,910</b>	<b>\$3,076,815</b>

**Table 20. FinAnswer Express Annual Energy Savings**

	Gross kWh Savings	Realization Rate	Adjusted Gross Savings	Net-to-Gross Percentage	Net kWh Savings	Measure Life
Category 2	4,865,024	108%	5,254,226	80%	4,203,381	13
Category 3	2,685,813	108%	2,900,678	80%	2,320,542	13
<b>Total</b>	<b>7,550,837</b>		<b>8,154,904</b>		<b>6,523,923</b>	

**Table 21. FinAnswer Express Portfolio Cost-Effectiveness Results**

Cost-Effectiveness Test	Levelized \$/kWh	Costs	Benefits	Net Benefits	Benefit/Cost Ratio
Total Resource Cost Test (PTRC) + Conservation Adder	\$0.052	\$3,339,104	\$4,846,348	\$1,507,244	1.45
Total Resource Cost Test (TRC) No Adder	\$0.052	\$3,339,104	\$4,405,771	\$1,066,667	1.32
Utility Cost Test (UCT)	\$0.030	\$1,941,910	\$4,405,771	\$2,463,861	2.27
Rate Impact Test (RIM)		\$7,143,900	\$4,405,771	(\$2,738,129)	0.62
Participant Cost Test (PCT)		\$3,076,815	\$7,566,745	\$4,489,930	2.46
Lifecycle Revenue Impacts (\$/kWh)	\$0.000029238				
Discounted Participant Payback (years)	3.22				

**Table 22. FinAnswer Express Category 2 Cost-Effectiveness Results**

Cost-Effectiveness Test	Levelized \$/kWh	Costs	Benefits	Net Benefits	Benefit/Cost Ratio
Total Resource Cost Test (PTRC) + Conservation Adder	\$0.058	\$2,383,218	\$3,146,919	\$763,701	1.32
Total Resource Cost Test (TRC) No Adder	\$0.058	\$2,383,218	\$2,860,836	\$477,618	1.20
Utility Cost Test (UCT)	\$0.032	\$1,331,087	\$2,860,836	\$1,529,749	2.15
Rate Impact Test (RIM)		\$4,677,303	\$2,860,836	(\$1,816,467)	0.61
Participant Cost Test (PCT)		\$2,216,929	\$4,904,182	\$2,687,253	2.21
Lifecycle Revenue Impacts (\$/kWh)	\$0.000019397				
Discounted Participant Payback (years)	3.78				

**Table 23. FinAnswer Express Category 3 Cost-Effectiveness Results**

Cost-Effectiveness Test	Levelized \$/kWh	Costs	Benefits	Net Benefits	Benefit/Cost Ratio
Total Resource Cost Test (PTRC) + Conservation Adder	\$0.042	\$955,886	\$1,699,429	\$743,543	1.78
Total Resource Cost Test (TRC) No Adder	\$0.042	\$955,886	\$1,544,935	\$589,049	1.62
Utility Cost Test (UCT)	\$0.027	\$610,824	\$1,544,935	\$934,112	2.53
Rate Impact Test (RIM)		\$2,466,597	\$1,544,935	(\$921,662)	0.63
Participant Cost Test (PCT)		\$859,885	\$2,662,563	\$1,802,678	3.10
Lifecycle Revenue Impacts (\$/kWh)	\$0.000009842				
Discounted Participant Payback (years)	2.27				

## Energy FinAnswer

The tables below present the cost-effectiveness findings of the Wyoming FinAnswer program based on 2013 costs and savings estimates. The utility discount rate is from the 2013 PacifiCorp Integrated Resource Plan.

Cost-effectiveness was tested using the 2013 IRP east system 70% load factor decrement. Table 24 lists the utility inputs. Table 25 lists the annual program costs. Table 26 shows the annual energy savings and measure lives. Table 27 provides the cost-effectiveness results for the program overall. Except for the rate impact test (RIM), the program proved cost-effective from all perspectives. Table 28 provides the cost-effectiveness results for Category 2 measures, and Table 29 provides the results for Category 3 measures.

**Table 24. Energy FinAnswer Utility Inputs**

Parameter	Value
Discount Rate	6.88%
Industrial Line Loss	5.61%
Industrial Energy Rate (\$/kWh) (base year 2013)	\$0.0613
Inflation Rate <sup>1</sup>	1.90%

<sup>1</sup> Future rates determined using a 1.9% annual escalator.

**Table 25. Energy FinAnswer Annual Program Costs**

	Engineering Costs	Utility Admin	Program Development	Incentives	Total Utility Costs	Gross Customer Costs
Category 2	\$32,642	\$18,924	\$18,932	\$16,712	\$87,210	\$87,826
Category 3	\$141,976	\$70,474	\$30,373	\$797,342	\$1,040,165	\$1,364,659
<b>Total</b>	<b>\$174,618</b>	<b>\$89,398</b>	<b>\$49,305</b>	<b>\$814,054</b>	<b>\$1,127,374</b>	<b>\$1,452,485</b>

**Table 26. Energy FinAnswer Annual Energy Savings**

	Gross kWh Savings	Realization Rate	Adjusted Gross Savings	Net-to-Gross Percentage	Net kWh Savings	Measure Life
Category 2	93,748	102%	95,623	80%	76,498	15
Category 3	8,861,365	102%	9,038,592	80%	7,230,874	15
<b>Total</b>	<b>8,955,113</b>		<b>9,134,215</b>		<b>7,307,372</b>	

**Table 27. Energy FinAnswer Portfolio Cost-Effectiveness Results**

Cost-Effectiveness Test	Levelized \$/kWh	Costs	Benefits	Net Benefits	Benefit/Cost Ratio
Total Resource Cost Test (PTRC) + Conservation Adder	\$0.019	\$1,475,308	\$5,478,235	\$4,002,927	3.71
Total Resource Cost Test (TRC) No Adder	\$0.019	\$1,475,308	\$4,980,214	\$3,504,906	3.38
Utility Cost Test (UCT)	\$0.015	\$1,127,374	\$4,980,214	\$3,852,839	4.42
Rate Impact Test (RIM)		\$5,957,673	\$4,980,214	(\$977,460)	0.84
Participant Cost Test (PCT)		\$1,452,485	\$6,851,928	\$5,399,443	4.72
Lifecycle Revenue Impacts (\$/kWh)					\$0.000009481
Discounted Participant Payback (years)					1.15

**Table 28. Energy FinAnswer Category 2 Cost-Effectiveness Results**

Cost-Effectiveness Test	Levelized \$/kWh	Costs	Benefits	Net Benefits	Benefit/Cost Ratio
Total Resource Cost Test (PTRC) + Conservation Adder	\$0.178	\$140,758	\$57,350	(\$83,409)	0.41
Total Resource Cost Test (TRC) No Adder	\$0.178	\$140,758	\$52,136	(\$88,622)	0.37
Utility Cost Test (UCT)	\$0.110	\$87,210	\$52,136	(\$35,073)	0.60
Rate Impact Test (RIM)		\$137,776	\$52,136	(\$85,640)	0.38
Participant Cost Test (PCT)		\$87,826	\$79,920	(\$7,906)	0.91
Lifecycle Revenue Impacts (\$/kWh)	\$0.000000831				
Discounted Participant Payback (years)	N/A				

**Table 29. Energy FinAnswer Category 3 Cost-Effectiveness Results**

Cost-Effectiveness Test	Levelized \$/kWh	Costs	Benefits	Net Benefits	Benefit/Cost Ratio
Total Resource Cost Test (PTRC) + Conservation Adder	\$0.018	\$1,334,550	\$5,420,885	\$4,086,335	4.06
Total Resource Cost Test (TRC) No Adder	\$0.018	\$1,334,550	\$4,928,077	\$3,593,528	3.69
Utility Cost Test (UCT)	\$0.014	\$1,040,165	\$4,928,077	\$3,887,913	4.74
Rate Impact Test (RIM)		\$5,819,897	\$4,928,077	(\$891,820)	0.85
Participant Cost Test (PCT)		\$1,364,659	\$6,772,007	\$5,407,349	4.96
Lifecycle Revenue Impacts (\$/kWh)	\$0.000008650				
Discounted Participant Payback (years)	1.03				

### Self-Direction Credit

The tables below present the cost-effectiveness findings of the Wyoming Self-Direction Credit program based on 2013 costs and savings estimates. The utility discount rate is from the 2013 PacifiCorp Integrated Resource Plan.



Cost-effectiveness was tested using the 2013 IRP east system 70% load factor decrement. Table 30 lists the utility inputs. Table 31 lists annual program costs. Table 32 provides the annual energy savings and measure lives. Table 33 and Table 34 show the program cost-effectiveness results for the program (overall) and for Category 3 measures (specifically). The tables do not include cost-effectiveness results for Category 2 measures as these incurred costs but did not produce energy savings. Except for the rate impact test (RIM), the overall program proved cost-effective from all perspectives.

**Table 30. Self Direction Utility Inputs**

Parameter	Value
Discount Rate	6.88%
Industrial Line Loss	5.61%
Industrial Energy Rate (\$/kWh) (base year 2013)	\$0.0613
Inflation Rate <sup>1</sup>	1.90%

<sup>1</sup>Future rates determined using a 1.9% annual escalator.

**Table 31. Self Direction Annual Program Costs**

Measure	Engineering Costs	Utility Admin	Program Admin	Program Development	Incentives	Total Utility Costs	Gross Customer Costs
Category 2	\$9,988	\$138	\$202	\$93	\$0	\$10,420	\$0
Category 3	\$0	\$1,773	\$7,908	\$150	\$137,358	\$147,189	\$171,697
<b>Total</b>	<b>\$9,988</b>	<b>\$1,911</b>	<b>\$8,110</b>	<b>\$243</b>	<b>\$137,358</b>	<b>\$157,609</b>	<b>\$171,697</b>

**Table 32. Self Direction Annual Energy Savings**

Measure	Gross kWh Savings	Realization Rate	Adjusted Gross Savings	Net-to-Gross Percentage	Net kWh Savings	Measure Life
Category 2	—	102%	—	80%	—	0
Category 3	713,785	102%	728,061	80%	582,449	9.33
<b>Total</b>	<b>713,785</b>		<b>728,061</b>		<b>582,449</b>	

**Table 33. Self Direction Portfolio Cost-Effectiveness Results**

Cost-Effectiveness Test	Levelized \$/kWh	Costs	Benefits	Net Benefits	Benefit/Cost Ratio
Total Resource Cost Test (PTRC) + Conservation Adder	\$0.036	\$157,609	\$285,234	\$127,625	1.81
Total Resource Cost Test (TRC) No Adder	\$0.036	\$157,609	\$259,304	\$101,695	1.65
Utility Cost Test (UCT)	\$0.036	\$157,609	\$259,304	\$101,695	1.65
Rate Impact Test (RIM)		\$428,317	\$259,304	(\$169,013)	0.61
Participant Cost Test (PCT)		\$171,697	\$475,743	\$304,045	2.77
Lifecycle Revenue Impacts (\$/kWh)					\$0.000002185
Discounted Participant Payback (years)					0.94

**Table 34. Self Direction Category 3 Cost-Effectiveness Results**

Cost-Effectiveness Test	Levelized \$/kWh	Costs	Benefits	Net Benefits	Benefit/Cost Ratio
Total Resource Cost Test (PTRC) + Conservation Adder	\$0.033	\$147,189	\$285,234	\$138,046	1.94
Total Resource Cost Test (TRC) No Adder	\$0.033	\$147,189	\$259,304	\$112,115	1.76
Utility Cost Test (UCT)	\$0.033	\$147,189	\$259,304	\$112,115	1.76
Rate Impact Test (RIM)		\$417,896	\$259,304	(\$158,593)	0.62
Participant Cost Test (PCT)		\$171,697	\$475,743	\$304,045	2.77
Lifecycle Revenue Impacts (\$/kWh)					\$0.000002050
Discounted Participant Payback (years)					0.94



## Appendix 3

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# Wyoming Measure Installation Verifications

Rocky Mountain Power

# Wyoming 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

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

- Central air conditioner / heat pump tune-ups
- Duct sealing and insulation
- Heat pump / Central air conditioner best practice installation and sizing
- Heat pump water heater
- Insulation
- Windows

Pre and post site inspections of 100 percent by Program Administrator staff of all multi-family projects, as well as contractor installed measures in new homes such as insulation, windows, and heating and cooling system installs or sizing.

No site inspections are conducted for the following measures (unless part of new homes inspection process). 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.

- Air conditioners
- Ceiling fans
- Clothes washers
- Dishwasher
- Ductless heat pump
- Evaporative coolers
- Home electronics (Flat Panel Televisions / Monitors / Desktops)
- Heat pump upgrades/conversions
- Light fixtures
- Refrigerators / Freezers
- Water heaters (excluding Heat Pump Heaters)

#### Other measures

- CFLs – 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  $\geq 5$  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.

#### **FinAnswer Express**

##### For trade ally delivered 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.

## **Self Direction**

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.

## **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 4

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# Wyoming Program Evaluations

Rocky Mountain Power

## Wyoming 2013 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 2013 and the third party evaluator who completed the evaluation. Program evaluations are available for review at [www.pacificorp.com/es/dsm/wyoming.html](http://www.pacificorp.com/es/dsm/wyoming.html)

Program	Years Evaluated	Evaluator
See ya later, refrigerator®	2011-2012	The Cadmus Group

Company responses to the program recommendations contained in the 2011 – 2012 evaluation are provided below.

The third party evaluator’s recommendations and Company’s responses are provided in Table 1:

Table 1  
See ya later, refrigerator® Evaluation Recommendations

Evaluation Recommendations	Rocky Mountain Power Action Plan
Rocky Mountain Power should consider adjusting its expected per-unit savings to reflect the evaluated per-unit gross savings values of 1,130 kWh for refrigerators, 944 kWh for freezers, and 57 kWh for kits, as found in this evaluation.	Program updated refrigerator and freezer savings per the evaluation. Kit savings were updated using the evaluated per-unit savings methodology with updated baseline wattage to account for the 2014 provisions of EISA.
Rocky Mountain Power should consider revising the measures provided in the kits, as the EISA standards in 2014 will lead to decreased savings for 60-Watt replacement CFLs. If kit measures are revised, Rocky Mountain Power should update expected per-unit savings for kits accordingly.	Kit savings were updated using the evaluated per-unit savings methodology with updated baseline wattage to account for the 2014 provisions of EISA.
The program administrator and Rocky Mountain Power should continue with improved tracking of energy saving kit delivery, including recording whether or not a kit was delivered to each participant. This change has already been implemented beginning in 2013.	As noted, improved kit tracking was put in place at the beginning of 2013.



<b>Evaluation Recommendations</b>	<b>Rocky Mountain Power Action Plan</b>
For future cost-effectiveness calculations, Cadmus recommends that Rocky Mountain Power update measure lives to align them with the values adopted in the most recent Regional Technical Forum (RTF) measure workbooks: Refrigerators: 7 years; Freezers: 5 years; CFLs (kits): 6 years.	Measure lives have been implemented into the TRL effect January 1, 2014.



## Appendix 5

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# Wyoming Low Income Guidelines

Rocky Mountain Power

**Income Guidelines for 2013-2014 LIEAP Season**

<b>FAMILY SIZE</b>	<b>MONTHLY</b>	<b>ANNUAL</b>		<b>FAMILY SIZE</b>	<b>MONTHLY</b>	<b>ANNUAL</b>
1	\$1,999	\$23,983		9	\$5,419	\$65,031
2	\$2,614	\$31,362		10	\$5,535	\$66,414
3	\$3,229	\$38,742		11	\$5,650	\$67,798
4	\$3,843	\$46,121		12	\$5,765	\$69,182
5	\$4,458	\$53,500		13	\$5,880	\$70,565
6	\$5,073	\$60,880		14	\$5,996	\$71,949
7	\$5,189	\$62,263		15	\$6,111	\$73,332
8	\$5,304	\$63,647				



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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):** Wyoming  
**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: 144 - Date and Time: 04/10/2014 02:38:18 PM

Company Name	Specialties	Business Type	Join Date	Projects Completed
<b>Trane*</b> 2817 S. 1030 W. Salt Lake City, UT Phone: 801-486-0500 Website: www.trane.com	Controls HVAC - unitary Motors and VFDs	Distributor Manufacturer - Rep	03/01/2005	Completed
<b>Arrow Electric Inc</b> 1300 E Richards Douglas, WY Phone: 307-358-2334 Website: arrowelectricinc.com	Lighting	Contractor	08/01/2009	Completed 1
<b>TreeFrog LED, Inc.</b> 7594 North Swansea Court Eagle Mountain, UT Phone: 801-372-8720 Website: www.treefrogled.com	Lighting	Distributor	07/29/2013	Completed
<b>Codale Electric Supply - Rock Springs</b> 1718 Desora Dr Rock Springs, WY Phone: 307-922-5000 Website: codale.com	Lighting	Distributor	02/01/2009	Completed 16
<b>Casper Electric Inc</b> 3150 E Yellowstone Hwy Casper, WY Phone: 307-237-3003	Controls HVAC - evaporative HVAC - unitary Lighting Motors and VFDs	Contractor Engineering Firm	01/01/2009	Completed 31
<b>JRC Inc.</b> 3041 West 2100 South Salt Lake City, UT Phone: 801-972-3970 Website: jrclight.com	Controls Lighting	Manufacturer - Rep Other	06/18/2007	Completed 11
<b>Casper Winlectric</b> 1743 East Yellowstone Hwy Casper, WY Phone: 307-235-5222	Lighting	Distributor	01/24/2013	Completed

<b>PVE, Inc</b> 1040 North 2200 West, Suite 100 Salt Lake City, UT Phone: 801-359-3158	<b>Specialties</b> Controls HVAC - evaporative HVAC - unitary Lighting Motors and VFDs	<b>Business Type</b> Engineering Firm	<b>Join Date</b> 07/29/2013	<b>Projects Completed</b> Completed
<b>Mountain West Mechanical</b> 2336 W. 5200 S. Rexburg, ID Phone: 208-356-0370 Website: www.mountainwestmechanical.com	<b>Specialties</b> HVAC - evaporative HVAC - unitary	<b>Business Type</b> Contractor	<b>Join Date</b> 03/17/2014	<b>Projects Completed</b> Completed
<b>Bar-T Electric, Inc.</b> 488 W. North St. Powell, WY Phone: 307-754-8480	<b>Specialties</b> Lighting	<b>Business Type</b> Contractor	<b>Join Date</b> 10/01/2011	<b>Projects Completed</b> 2
<b>Rocky Mountain Electric</b> P.O. Box 50067 Casper, WY Phone: 307-472-3336	<b>Specialties</b> Lighting	<b>Business Type</b> Contractor	<b>Join Date</b> 12/09/2009	<b>Projects Completed</b> 5
<b>LOC Electric, Inc.</b> P.O. Box 803 Green River, WY Phone: 307-875-7311	<b>Specialties</b> Lighting	<b>Business Type</b> Contractor	<b>Join Date</b> 02/04/2009	<b>Projects Completed</b> 7
<b>Ameresco Inc</b> 639 Isbell Rd. Suite 360 Reno, NV Phone: 508-598-4506 Website: ameresco.com	<b>Specialties</b> HVAC - unitary Motors and VFDs Other: Other Specialty	<b>Business Type</b> Other	<b>Join Date</b> 05/01/2009	<b>Projects Completed</b> Completed
<b>AC Electric, LLC</b> Box 991, 492 E South St. Powell, WY Phone: 307-754-5872	<b>Specialties</b> Lighting	<b>Business Type</b> Contractor	<b>Join Date</b> 03/07/2014	<b>Projects Completed</b> Completed
<b>Washakie Electric Inc.</b> Worland, WY Phone: 307-347-4215	<b>Specialties</b> Lighting	<b>Business Type</b> Contractor	<b>Join Date</b> 07/23/2010	<b>Projects Completed</b> Completed
<b>Childress Electric</b> 1219 Daisy St. Rawlins, WY Phone: 307-328-3831	<b>Specialties</b> Lighting	<b>Business Type</b> Contractor	<b>Join Date</b> 09/25/2012	<b>Projects Completed</b> 6
<b>Crum Electric Supply - Evanston</b> 231 Allegiance Cir Evanston, WY Phone: 307-789-6120 Website: crum.com	<b>Specialties</b> HVAC - unitary Lighting Motors and VFDs	<b>Business Type</b> Distributor	<b>Join Date</b> 05/01/2009	<b>Projects Completed</b> 1
<b>C.D.'s Electric Inc</b> 242 Aspen Hills Court Evanston, WY Phone: 307-679-1734	<b>Specialties</b> Lighting	<b>Business Type</b> Contractor	<b>Join Date</b> 06/01/2009	<b>Projects Completed</b> 4
<b>Intermountain Electric Service Inc - Riverton</b> 701 S Federal Blvd Riverton, WY Phone: 307-856-7321 Website: intermountainelectric.com	<b>Specialties</b> HVAC - unitary Lighting Motors and VFDs	<b>Business Type</b> Contractor	<b>Join Date</b> 02/01/2009	<b>Projects Completed</b> Completed

<b>Crum Electric Supply - Cody</b> 3307 Bighorn Avenue Cody, WY Phone: 307-527-5252 Website: www.crum.com	<b>Specialties</b> Lighting	<b>Business Type</b> Distributor	<b>Join Date</b> 05/01/2009	<b>Projects Completed</b> 7
<b>HanitaTek Window Film</b> 4010 La Reunion Pkwy, #100 Dallas, TX Phone: 800-660-5559 Website: www.HanitaTek.com	<b>Specialties</b> Building envelope	<b>Business Type</b> Distributor Manufacturer - Rep	<b>Join Date</b> 09/09/2013	<b>Projects Completed</b> 1
<b>Cobb Electric LLC</b> 903 Leah Douglas, WY Phone: 307-351-0440	<b>Specialties</b> Lighting	<b>Business Type</b> Contractor	<b>Join Date</b> 01/01/2009	<b>Projects Completed</b> 5
<b>Hoffman Electric*</b> 217 E. Main Street Riverton, WY Phone: 307-856-3408 Website: hoffmanelectric.net	<b>Specialties</b> Controls Lighting Motors and VFDs	<b>Business Type</b> Contractor	<b>Join Date</b> 04/10/2010	<b>Projects Completed</b> 20
<b>CTA</b> 13 N. 23rd Street Billings, MT Phone: 406-248-7455	<b>Specialties</b> Lighting	<b>Business Type</b> Architect	<b>Join Date</b> 05/12/2009	<b>Projects Completed</b> 3
<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> 1
<b>Frontier Electric</b> P.O. Box 937 Pinedale, WY Phone: 307-367-6434	<b>Specialties</b> Lighting	<b>Business Type</b> Contractor	<b>Join Date</b> 03/01/2012	<b>Projects Completed</b> 1
<b>Chesbro Electric Inc</b> 2651 4th Ave W Buffalo, WY Phone: 307-684-8613 Website: <a href="http://www.chesbroelectricwindsolar.com/">http://www.chesbroelectricwindsolar.com/</a>	<b>Specialties</b> Lighting	<b>Business Type</b> Contractor	<b>Join Date</b> 09/01/2009	<b>Projects Completed</b> 17
<b>Envision Electric, Inc.</b> P.O. Box 2022 Casper, WY Phone: 307-262-9990	<b>Specialties</b> Lighting	<b>Business Type</b> Contractor	<b>Join Date</b> 04/07/2009	<b>Projects Completed</b> 1
<b>Modern Electric Co.*</b> 246 W. 1st Street Casper, WY Phone: 307-266-1711 Website: modern-electric.com	<b>Specialties</b> Lighting	<b>Business Type</b> Contractor	<b>Join Date</b> 01/19/2009	<b>Projects Completed</b> 145
<b>H &amp; H Electric*</b> 125 Highway 93 Douglas, WY Phone: 307-358-1826	<b>Specialties</b> Lighting	<b>Business Type</b> Contractor	<b>Join Date</b> 08/24/2009	<b>Projects Completed</b> 4
<b>Precision-Paragon [P2]</b> 23281 La Palma Ave Yorba Linda, CA Phone: 714-386-5550 Website: www.p-2.com	<b>Specialties</b> Lighting	<b>Business Type</b> Manufacturer - Rep Other: Manufacturer	<b>Join Date</b> 03/13/2013	<b>Projects Completed</b> 1

# Energy Efficiency Alliance



<b>Colvin Engineering Associates, Inc.</b> 244 W 300 N Suite 200, Salt Lake City, UT Phone: 801-322-2400	<b>Specialties</b> Controls HVAC - evaporative HVAC - unitary Other: Other Specialty	<b>Business Type</b> Architect Engineering Firm	<b>Join Date</b> 04/29/2013	<b>Projects Completed</b>
<b>JM Electrical Services</b> PO Box 2712 Rock Springs, WY Phone: 307-382-5152	<b>Specialties</b> Lighting	<b>Business Type</b> Contractor	<b>Join Date</b> 09/22/2012	<b>Projects Completed</b> null
<b>GenPro Energy Solutions LLC</b> 13261 Timberline Plaza Suite B, Piedmond, SD Phone: 605-341-9920	<b>Specialties</b> Controls Farm and Dairy Irrigation Lighting	<b>Business Type</b> Distributor Manufacturer - Rep	<b>Join Date</b> 07/29/2013	<b>Projects Completed</b>
<b>Heil Electric LLC</b> 440 Buena Vista PO Box 952 Lander, WY Phone: 307-332-5197	<b>Specialties</b> Lighting	<b>Business Type</b> Contractor	<b>Join Date</b> 03/11/2009	<b>Projects Completed</b> 1
<b>Sika Sarnafil Incorporated</b> 2881 South 900 West Salt Lake City, UT Phone: 801-575-8648 Website: usa.sarnafil.sika.com	<b>Specialties</b> Building envelope	<b>Business Type</b> Contractor	<b>Join Date</b> 11/01/2011	<b>Projects Completed</b>
<b>JRW &amp; Associates, PLLC</b> 1152 Bond Ave Rexburg, ID Phone: 208-359-2309	<b>Specialties</b> Building envelope	<b>Business Type</b> Architect	<b>Join Date</b> 10/21/2013	<b>Projects Completed</b>
<b>Brosius Electric, LLC</b> 912 Jersey Ave Lovel, WY Phone: 307-250-1076	<b>Specialties</b> Lighting	<b>Business Type</b> Contractor	<b>Join Date</b> 01/31/2014	<b>Projects Completed</b>
<b>Engineered Systems Assoc., Inc.</b> 1355 E. Center Street Pocatello, ID Phone: 208-233-0501	<b>Specialties</b> Controls HVAC - evaporative HVAC - unitary Motors and VFDs	<b>Business Type</b> Engineering Firm	<b>Join Date</b> 01/10/2014	<b>Projects Completed</b>
<b>Williams Electric</b> Evansville, WY Phone: 307-266-4700	<b>Specialties</b> Lighting	<b>Business Type</b> Contractor	<b>Join Date</b> 04/10/2010	<b>Projects Completed</b>
<b>Crum Electric Supply - Casper</b> 1165 English Avenue Casper, WY Phone: 307-266-6278 Website: crum.com	<b>Specialties</b> Lighting	<b>Business Type</b> Distributor	<b>Join Date</b> 05/01/2009	<b>Projects Completed</b> 1
<b>Engineering Economics, Inc.</b> 780 Simms Street Suite 210 Golden, CO Phone: 800-869-6902	<b>Specialties</b> Building envelope Controls HVAC - evaporative HVAC - unitary	<b>Business Type</b> Engineering Firm	<b>Join Date</b> 01/20/2014	<b>Projects Completed</b>
<b>American Electric</b> 4145 Almy Rd 105 Evanston, WY Phone: 307-789-3130	<b>Specialties</b> Lighting	<b>Business Type</b> Contractor	<b>Join Date</b> 01/01/2009	<b>Projects Completed</b> 5
<b>Voltech Electric, Inc.</b> Laramie, WY Phone: 307-721-3938	<b>Specialties</b> Lighting	<b>Business Type</b> Contractor	<b>Join Date</b> 10/10/2010	<b>Projects Completed</b>



# Energy Efficiency Alliance



Company Name	Specialties	Business Type	Join Date	Projects Completed
<b>qatest</b> 2324 amy street fostercity, CA Phone: 343-434-3434 x 3434	Appliances	Architect	04/02/2013	22
<b>LONG Buildings Technologies, Inc. - Wyoming</b> P.O. Box 51089 Casper, WY Phone: 307-265-5997 Website: long.com	Lighting	Contractor	01/19/2009	Completed
<b>TLC Electric, Inc.</b> P.O. Box 10191 Jackson, WY Phone: 307-413-2309	Lighting	Contractor	07/01/2012	Completed
<b>Grainger, Inc.</b> 1110 Wilkins Cir Casper, WY Phone: 307-577-5797 Website: www.grainger.com	Lighting	Distributor	02/24/2014	Completed
<b>YESCO- Young Electric Sign Company - Denver, CO</b> 3770 Joliet Street Denver, CO Phone: 303-949-8149 Website: yesco.com	Lighting	Contractor	02/01/2012	Completed
<b>Riverton Sheet Metal Works Inc</b> 217 N 3rd E Riverton, WY Phone: 307-856-3431	HVAC - unitary Motors and VFDs	Contractor	01/01/2009	Completed
<b>Trident Electric LLC.</b> P.O. Box 1609 Laramie, WY Phone: 307-399-6315	Controls Lighting Motors and VFDs	Contractor	05/10/2010	Completed
<b>Allred's Incorporated</b> 1410 Gibson Avenue Ogden, UT Phone: 801-621-6426 Website: www.allreds.net	HVAC - unitary	Distributor	05/11/2011	Completed
<b>Mountain West Electrical Services, LLC</b> P.O. Box 2102 208 Fayette Pole Creek Road, Pinedale, WY Phone: 307-367-8400 Website: www.mwesllc.com	Compressed Air Controls Farm and Dairy Food Service HVAC - evaporative HVAC - unitary Irrigation Lighting Motors and VFDs Office Equipment Other: Other Specialty	Contractor	03/26/2013	Completed
<b>Intermountain Electric Service, Inc. - Big Piney</b> P.O. Box 40 Big Piney, WY Phone: 307-276-3049 Website: intermountainelectric.com	HVAC - unitary Lighting Motors and VFDs	Contractor	03/03/2009	Completed
<b>Paradise Valley Electric Inc.</b> 120 Paradise Valley Rd Riverton, WY Phone: 307-856-9296	Lighting	Contractor	03/03/2009	5

<b>Amp Electric</b> PO Box 1389 Riverton, WY Phone: 307-463-7345	<b>Specialties</b> Lighting	<b>Business Type</b> Contractor	<b>Join Date</b> 11/01/2011	<b>Projects Completed</b> 1
<b>New Fork Electric, Inc.</b> P.O. Box 983 Big Piney, WY Phone: 307-749-6792	<b>Specialties</b> Lighting	<b>Business Type</b> Contractor	<b>Join Date</b> 09/25/2012	<b>Projects Completed</b> 1
<b>Financial Energy Management, Inc.</b> 4636 S. Broadway Englewood, CO Phone: 303-562-7145 Website: www.financialenergy.com	<b>Specialties</b> Lighting	<b>Business Type</b> Contractor	<b>Join Date</b> 04/12/2013	<b>Projects Completed</b> 4
<b>Graybar Electric - Billings MT</b> 1465 Monad Road Billings, MT Phone: 406-237-2569 Website: www.graybar.com	<b>Specialties</b> Lighting	<b>Business Type</b> Distributor	<b>Join Date</b> 01/17/2014	<b>Projects Completed</b> Completed
<b>ProTech Electric Inc</b> 6651 White Rock Dr Casper, WY Phone: 307-265-8045 Website: protechelectric.net	<b>Specialties</b> Lighting	<b>Business Type</b> Contractor	<b>Join Date</b> 01/01/2009	<b>Projects Completed</b> 5
<b>Intermountain Electric Service Inc - Evanston</b> 110 Commerce Dr Evanston, WY Phone: 307-789-6500 Website: intermountainelectric.com	<b>Specialties</b> HVAC - unitary Lighting Motors and VFDs	<b>Business Type</b> Contractor	<b>Join Date</b> 02/01/2009	<b>Projects Completed</b> Completed
<b>Honeywell International</b> 2371 S. Presidents Way Suite A Salt Lake City, UT Phone: 801-978-7136 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> Completed
<b>HD Supply Utilities</b> 836 N Glenn Rd Casper, WY Phone: 307-237-4719 Website: HDSupply.com	<b>Specialties</b> Lighting	<b>Business Type</b> Distributor	<b>Join Date</b> 12/01/2008	<b>Projects Completed</b> Completed
<b>Automation 8 Electronics, Inc.</b> 111 Big Horn Rd. Casper, WY Phone: 307-234-9311	<b>Specialties</b> Lighting	<b>Business Type</b> Contractor	<b>Join Date</b> 11/14/2012	<b>Projects Completed</b> null
<b>Case, Lowe &amp; Hart, Inc.</b> 2484 Washington Blvd. Suite 510, Ogden, UT Phone: 801-399-5821 Website: www.clhae.com	<b>Specialties</b> Building envelope Compressed Air Controls HVAC - evaporative HVAC - unitary Lighting Motors and VFDs	<b>Business Type</b> Architect Engineering Firm	<b>Join Date</b> 05/17/2013	<b>Projects Completed</b> Completed
<b>CCMS Lighting, Inc.</b> 88 A Elm Street Hopkinton, MA Phone: 508-435-5837 Website: ccmslighting.com	<b>Specialties</b> Lighting	<b>Business Type</b> Other	<b>Join Date</b> 05/01/2011	<b>Projects Completed</b> Completed
<b>L &amp; L Electric</b> 777 E Cedar St. Rawlings, WY Phone: 307-324-4303	<b>Specialties</b> Lighting	<b>Business Type</b> Contractor	<b>Join Date</b> 02/01/2012	<b>Projects Completed</b> Completed

<b>Wyoming Lighting Associates</b> 130 S. Lincoln Casper, WY Phone: 307-237-0693 Website: www.wyominglighting.com	<b>Specialties</b> Lighting	<b>Business Type</b> Manufacturer - Rep	<b>Join Date</b> 10/16/2012	<b>Projects Completed</b> 1
<b>Eagle Electric LLC</b> 6713 W. Yellowstone Hwy Casper, WY Phone: 307-266-4404	<b>Specialties</b> Lighting	<b>Business Type</b> Contractor	<b>Join Date</b> 09/27/2012	<b>Projects Completed</b> 2
<b>Intermountain Electric Service, Inc. - Rock Springs</b> 507 Mitchelson Rock Springs, WY Phone: 307-362-1417 Website: intermountainelectric.com	<b>Specialties</b> HVAC - unitary Lighting Motors and VFDs	<b>Business Type</b> Contractor	<b>Join Date</b> 02/01/2009	<b>Projects Completed</b> 2
<b>Johnson Engineering Associates</b> 110 Superior Court Laramie, WY Phone: 307-721-2109	<b>Specialties</b> Lighting	<b>Business Type</b> Engineering Firm Other	<b>Join Date</b> 05/01/2009	<b>Projects Completed</b> 1
<b>Johnson Controls, Inc.</b> 2255 Technology Parkway West Valley City, UT Phone: 801-946-4059	<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> 2
<b>Crum Electric Supply - Cheyenne</b> 1010 Dunn Avenue South Cheyenne, WY Phone: 307-778-8442 Website: www.crum.com	<b>Specialties</b> HVAC - unitary Lighting Motors and VFDs	<b>Business Type</b> Distributor	<b>Join Date</b> 05/01/2009	<b>Projects Completed</b> 2
<b>Jadeco Inc.</b> P.O. Box 788 Thermopolis, WY Phone: 307-864-2505 Website: jadecolectric.com	<b>Specialties</b> Lighting	<b>Business Type</b> Contractor	<b>Join Date</b> 08/27/2009	<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> Controls Lighting Motors and VFDs	<b>Business Type</b> Contractor	<b>Join Date</b> 10/02/2002	<b>Projects Completed</b> 396
<b>ITC Electrical Technologies</b> 4630 E Magnolia St Casper, WY Phone: 307-234-3544 Website: itcet.com	<b>Specialties</b> Lighting	<b>Business Type</b> Contractor	<b>Join Date</b> 04/07/2009	<b>Projects Completed</b> 2
<b>Fireside Plumbing, Heating, &amp; Electrical</b> P.O. Box 230 Evanston, WY Phone: 307-789-6716 Website: www.firesidewyo.com	<b>Specialties</b> HVAC - evaporative HVAC - unitary Lighting Motors and VFDs	<b>Business Type</b> Contractor	<b>Join Date</b> 03/22/2013	<b>Projects Completed</b> 2
<b>City Service Electric Co. Inc.</b> 1919 E Yellowstone Hwy Casper, WY Phone: 307-265-0659	<b>Specialties</b> Lighting	<b>Business Type</b> Contractor	<b>Join Date</b> 01/20/2009	<b>Projects Completed</b> 22
<b>Wired Electric</b> 3741 Aspen Pl Casper, WY Phone: 307-262-9523	<b>Specialties</b> Lighting	<b>Business Type</b> Contractor	<b>Join Date</b> 01/01/2012	<b>Projects Completed</b> 8

# Energy Efficiency Alliance



<b>Compressor - Pump &amp; Service, Inc.</b> 3333 W. 2400 S. Salt Lake City, UT Phone: 801-973-0154 Website: www.compressor-pump.com	<b>Specialties</b> Compressed Air	<b>Business Type</b> Distributor	<b>Join Date</b> 10/21/2013	<b>Projects Completed</b> 7
<b>3M Company</b> 3M Center Bldg 235-2S-27 St Paul, MN Phone: 651-736-1549 Website: www.3m.com/windowfilm	<b>Specialties</b> Building envelope	<b>Business Type</b> Manufacturer - Rep	<b>Join Date</b> 04/25/2013	<b>Projects Completed</b> 1
<b>HD Supply Facilities Maintenance, Ltd.</b> 10641 Scripps Summit Court San Diego, CA Phone: 858-831-2231 Website: www.hdsupplysolutions.com	<b>Specialties</b> Appliances HVAC - evaporative HVAC - unitary	<b>Business Type</b> Distributor	<b>Join Date</b> 01/22/2014	<b>Projects Completed</b> 1
<b>Northwestern Electric*</b> PO Box 2781 Casper, WY Phone: 307-266-4206	<b>Specialties</b> Lighting	<b>Business Type</b> Contractor	<b>Join Date</b> 02/13/2009	<b>Projects Completed</b> 5
<b>Perfect Power Electric Inc.</b> P.O. Box 201 Lander, WY Phone: 307-332-7184	<b>Specialties</b> Lighting	<b>Business Type</b> Contractor	<b>Join Date</b> 07/09/2009	<b>Projects Completed</b> 2
<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> 1
<b>McKinstry Essention, LLC</b> 112 N. Rubey Dr. Suite 200, Golden, CO Phone: 435-632-8433 Website: www.mckinstry.com	<b>Specialties</b> Building envelope Compressed Air Controls HVAC - evaporative HVAC - unitary Irrigation Lighting Motors and VFDs Other: Other Specialty	<b>Business Type</b> Engineering Firm	<b>Join Date</b> 02/12/2014	<b>Projects Completed</b> 1
<b>Fremont Electric Inc.*</b> 910 S Adams Laramie, WY Phone: 307-721-4176	<b>Specialties</b> Lighting	<b>Business Type</b> Contractor	<b>Join Date</b> 01/26/2009	<b>Projects Completed</b> 16
<b>Utah Yamas Controls Inc.</b> 13526 S. 110 W. Draper, UT Phone: 801-990-1950 Website: www.utahyamas.com	<b>Specialties</b> Building envelope Controls HVAC - evaporative HVAC - unitary Lighting Motors and VFDs Other: Other Specialty	<b>Business Type</b> Contractor Distributor Engineering Firm Manufacturer - Rep	<b>Join Date</b> 01/21/2013	<b>Projects Completed</b> 1
<b>Crum Electric Supply - Rock Springs</b> 800 Elk St Rock Springs, WY Phone: 307-362-4415 Website: crum.com	<b>Specialties</b> Lighting	<b>Business Type</b> Distributor	<b>Join Date</b> 05/01/2009	<b>Projects Completed</b> 1
<b>Consolidated Electrical Distributors* - Logan, UT</b> 636 N. 600 W. Logan, UT Phone: 435-752-8905	<b>Specialties</b> Farm and Dairy Irrigation Lighting	<b>Business Type</b> Distributor	<b>Join Date</b> 03/26/2005	<b>Projects Completed</b> 42

<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> Manufacturer - Rep Other	<b>Join Date</b> 01/23/2013	<b>Projects Completed</b> 18
<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> 18
<b>YESCO LLC - Salt Lake City, UT</b> 1605 S. Gramercy Road Salt Lake City, UT Phone: 801-464-6454 Website: www.yesco.com	<b>Specialties</b> Appliances Controls Lighting Motors and VFDs	<b>Business Type</b> Contractor Manufacturer - Rep	<b>Join Date</b> 09/22/2012	<b>Projects Completed</b> 40
<b>Summit Electric, LLC*</b> 490 Foster Road Casper, WY Phone: 307-577-1131	<b>Specialties</b> Lighting	<b>Business Type</b> Contractor Distributor	<b>Join Date</b> 02/01/2009	<b>Projects Completed</b> 13
<b>Denver Electrical Contractors</b> 1855 W. Union Ave. Unit V Sheridan , CO Phone: 303-432-8879 Website: www.denverelectrical.com	<b>Specialties</b> Lighting Motors and VFDs	<b>Business Type</b> Other: Electrical Design Build Engineering and Construction	<b>Join Date</b> 12/02/2013	<b>Projects Completed</b> 13
<b>Primary Electric Inc.</b> 2332 Cottonwood Laramie, WY Phone: 307-742-7447	<b>Specialties</b> Lighting	<b>Business Type</b> Contractor	<b>Join Date</b> 01/26/2009	<b>Projects Completed</b> 5
<b>Rock Springs Winelectric</b> Rock Springs, WY Phone: 307-382-9150	<b>Specialties</b> Lighting	<b>Business Type</b> Distributor	<b>Join Date</b> 01/19/2009	<b>Projects Completed</b> 13
<b>MARS Electric</b> p.o. box 732 1664 wyoming ave, laramie, WY Phone: 307-760-6943	<b>Specialties</b> Appliances Lighting	<b>Business Type</b> Contractor	<b>Join Date</b> 07/16/2013	<b>Projects Completed</b> 13
<b>4 Dimensional Lighting, LLC*</b> 940 Foster Rd. Casper, WY Phone: 307-472-1965	<b>Specialties</b> Controls Food Service Lighting Motors and VFDs	<b>Business Type</b> Distributor Manufacturer - Rep	<b>Join Date</b> 01/26/2009	<b>Projects Completed</b> 144
<b>Shane Electric Inc</b> PO Box 2848 Gillette, WY Phone: 307-687-2872	<b>Specialties</b> Lighting	<b>Business Type</b> Contractor	<b>Join Date</b> 09/01/2009	<b>Projects Completed</b> 13
<b>Crum Electric Supply - Gillette</b> 901 Edwards St Gillette, WY Phone: 307-682-7203 Website: crum.com	<b>Specialties</b> Lighting	<b>Business Type</b> Distributor	<b>Join Date</b> 05/01/2009	<b>Projects Completed</b> 13
<b>Electric Service Company</b> 615 SW Wyoming Blvd Mills, WY Phone: 307-266-1000	<b>Specialties</b> Controls Lighting Motors and VFDs	<b>Business Type</b> Contractor	<b>Join Date</b> 03/17/2014	<b>Projects Completed</b> 13
<b>Codale Electric Supply - Casper</b> 3131 Wood Court Casper, WY Phone: 702-261-8900 Website: www.codale.com	<b>Specialties</b> Lighting	<b>Business Type</b> Distributor	<b>Join Date</b> 06/27/2013	<b>Projects Completed</b> 13

<b>Green Creative LLC</b> 533 Airport Blvd., Suite 212 Burlingame, CA Phone: 866-774-5433 Website: www.gc-lighting.com	<b>Specialties</b> Lighting	<b>Business Type</b> Manufacturer - Rep	<b>Join Date</b> 06/25/2013	<b>Projects Completed</b> Completed
<b>D&amp;S Electrical</b> 363 West Chubbuck Road Chubbuck, ID Phone: 208-731-3701	<b>Specialties</b> Lighting Motors and VFDs	<b>Business Type</b> Distributor	<b>Join Date</b> 12/01/2008	<b>Projects Completed</b> 36
<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>Network Consulting Services, inc.</b> 563 West 500 South Suite 245, Bountiful, UT Phone: 801-295-7555 Website: <a href="http://www.ncsi.us">http://www.ncsi.us</a>	<b>Specialties</b> Office Equipment	<b>Business Type</b> Architect Contractor Engineering Firm Manufacturer - Rep	<b>Join Date</b> 04/29/2013	<b>Projects Completed</b> Completed
<b>Electrical Solutions, LLC.</b> 1502 Mill St. Laramie, WY Phone: 307-742-7483	<b>Specialties</b> Lighting	<b>Business Type</b> Contractor	<b>Join Date</b> 04/11/2011	<b>Projects Completed</b> 4
<b>Dealers Electrical Supply</b> 928 N. Federal Riverton, WY Phone: 307-856-1741 Website: <a href="http://dealerselectrical.com">dealerselectrical.com</a>	<b>Specialties</b> Lighting	<b>Business Type</b> Distributor	<b>Join Date</b> 06/19/2012	<b>Projects Completed</b> Completed
<b>LED Industries Inc</b> 3001 N. US Highway 12 Spring Grove, IL Phone: 801-801-5969	<b>Specialties</b> Lighting	<b>Business Type</b> Manufacturer - Rep	<b>Join Date</b> 12/18/2013	<b>Projects Completed</b> Completed
<b>E2 Electrical Contractor, Inc.</b> 1317 Edgar Street Rock Springs, WY Phone: 307-705-7682	<b>Specialties</b> Lighting Motors and VFDs	<b>Business Type</b> Contractor	<b>Join Date</b> 01/30/2013	<b>Projects Completed</b> Completed
<b>Cooper Lighting</b> 1121 Highway 74 South Peachtree, GA Phone: 770-486-3092 Website: <a href="http://www.cooperlighting.com">www.cooperlighting.com</a>	<b>Specialties</b> Controls Lighting	<b>Business Type</b> Manufacturer - Rep	<b>Join Date</b> 12/13/2012	<b>Projects Completed</b> Completed
<b>Petroleum Equipment Co</b> 1174 So. 300 W Salt Lake City, UT Phone: 801-487-8276 Website: <a href="http://www.petro-equip.net">www.petro-equip.net</a>	<b>Specialties</b> Lighting	<b>Business Type</b> Distributor	<b>Join Date</b> 10/03/2013	<b>Projects Completed</b> Completed
<b>WESCO Distribution - Wyoming</b> HC 70 500 Mainline Green River, WY Phone: 307-875-4910 Website: <a href="http://wesco.com">wesco.com</a>	<b>Specialties</b> HVAC - unitary Lighting Motors and VFDs	<b>Business Type</b> Distributor	<b>Join Date</b> 02/01/2009	<b>Projects Completed</b> 14
<b>Custom Lighting Services, LLC</b> 9901 South Prosperity Road West Jordan, UT Phone: 801-569-9219 Website: <a href="http://www.blackandmcdonald.com">www.blackandmcdonald.com</a>	<b>Specialties</b> Controls Lighting	<b>Business Type</b> Contractor Engineering Firm	<b>Join Date</b> 11/01/2013	<b>Projects Completed</b> Completed

<b>Tobin Electric</b> P.O. Box 51003 Casper, WY Phone: 307-472-5268	<b>Specialties</b> Lighting	<b>Business Type</b> Contractor	<b>Join Date</b> 07/15/2009	<b>Projects Completed</b> Completed
<b>Clark's Quality Roofing, Inc.</b> 334 W. Anderson Avenue Salt Lake City, UT Phone: 801-266-3575 Website: clarkroof.com	<b>Specialties</b> Building envelope	<b>Business Type</b> Contractor	<b>Join Date</b> 09/19/2012	<b>Projects Completed</b> null
<b>Rexel</b> 2965 Commodore Dr Carrollton, TX Phone: 972-389-5621 Website: www.rixelusa.com	<b>Specialties</b> Lighting	<b>Business Type</b> Distributor	<b>Join Date</b> 05/10/2010	<b>Projects Completed</b> Completed
<b>Energy Efficient Lighting</b> 2228 Bryan Circle Salt Lake City, UT Phone: 801-913-1965	<b>Specialties</b> Lighting	<b>Business Type</b> Distributor	<b>Join Date</b> 09/16/2013	<b>Projects Completed</b> 1
<b>RealWinWin, Inc.</b> 1926 Arch Street, 4F Philadelphia, PA Phone: 215-732-4480 Website: www.realwinwin.com	<b>Specialties</b> Appliances Building envelope Controls Food Service HVAC - evaporative HVAC - unitary Lighting Motors and VFDs Office Equipment	<b>Business Type</b> Other: Energy Efficiency Incentive Administration and Consultation	<b>Join Date</b> 10/14/2013	<b>Projects Completed</b> Completed
<b>Castle Rock Electric</b> P.O. Box 339 Green River, WY Phone: 307-875-3012	<b>Specialties</b> Lighting	<b>Business Type</b> Contractor	<b>Join Date</b> 04/10/2010	<b>Projects Completed</b> 28
<b>Real Green LED</b> 4280 W. 200 N. Cedar City, UT Phone: 951-235-0382 Website: www.realgreen.net	<b>Specialties</b> Lighting	<b>Business Type</b> Distributor	<b>Join Date</b> 09/01/2012	<b>Projects Completed</b> Completed
<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> Completed
<b>Felt Lighting Inc.</b> 1220 East 3300 South Salt Lake City, UT Phone: 801-484-8571 Website: www.feltlighting.com	<b>Specialties</b> Controls Lighting	<b>Business Type</b> Distributor	<b>Join Date</b> 11/27/2013	<b>Projects Completed</b> 1
<b>Wyatt Electric*</b> 490 Foster Cir Casper, WY Phone: 307-262-1251	<b>Specialties</b> Lighting	<b>Business Type</b> Contractor	<b>Join Date</b> 05/01/2010	<b>Projects Completed</b> 35
<b>Prettyman Electric</b> 5901 S. Jonquil Drive 5901 S. Jonquil Drive, Taylorsville, UT Phone: 801-243-4055	<b>Specialties</b> Appliances Building envelope Compressed Air Controls Food Service HVAC - evaporative HVAC - unitary Irrigation Lighting Motors and VFDs	<b>Business Type</b> Contractor Other: Design Build, Repair, Service, Maintenance	<b>Join Date</b> 12/05/2013	<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> 0
<b>Nordic Lighting</b> PO Box 2296 Casper, WY Phone: 307-259-3943	<b>Specialties</b> Lighting	<b>Business Type</b> Contractor	<b>Join Date</b> 07/24/2013	<b>Projects Completed</b> 0
<b>G.S.G. Architecture</b> 123 Casper, WY Phone: 307-234-8968 Website: gsgarchitecture.com	<b>Specialties</b> Lighting	<b>Business Type</b> Architect Other	<b>Join Date</b> 05/01/2010	<b>Projects Completed</b> 0
<b>H-C Design &amp; Consulting</b> P.O. Box 10545 Bozeman, MT Phone: 406-522-7700	<b>Specialties</b> Food Service	<b>Business Type</b> Manufacturer - Rep	<b>Join Date</b> 07/01/2013	<b>Projects Completed</b> 0
<b>Sprecher Electric*</b> 128 N Center Casper, WY Phone: 307-265-8135	<b>Specialties</b> Lighting	<b>Business Type</b> Contractor Distributor	<b>Join Date</b> 02/26/2009	<b>Projects Completed</b> 22
<b>American Mechanical Systems Service, LLC</b> 7530 South State Street Midvale, UT Phone: 801-428-0400 Website: www.ams-ut.com	<b>Specialties</b> Controls HVAC - unitary Motors and VFDs	<b>Business Type</b> Contractor	<b>Join Date</b> 11/30/2012	<b>Projects Completed</b> 0
<b>Harris Mechanical Intermountain</b> 1925 South Milestone Drive Suite E, Salt Lake City, UT Phone: 801-433-2640 Website: www.hmcc.com	<b>Specialties</b> HVAC - evaporative HVAC - unitary	<b>Business Type</b> Contractor	<b>Join Date</b> 01/27/2014	<b>Projects Completed</b> 0
<b>Anchor Electric, Inc.*</b> PO Box 40046 Casper, WY Phone: 307-234-8799	<b>Specialties</b> Lighting	<b>Business Type</b> Contractor	<b>Join Date</b> 02/13/2009	<b>Projects Completed</b> 23
<b>West Plains Engineering, Inc.</b> 145 S Durbin Suite 205, Casper, WY Phone: 307-234-9484 Website: www.westplainsengineering.com	<b>Specialties</b> Building envelope HVAC - evaporative HVAC - unitary Lighting Motors and VFDs Other: Other Specialty	<b>Business Type</b> Engineering Firm	<b>Join Date</b> 04/08/2013	<b>Projects Completed</b> 1
<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>Instrument Electric Service Inc</b> 918 Pendell Blvd Mills, WY Phone: 307-235-2009 Website: www.instrumentelectric.com	<b>Specialties</b> Controls Lighting Motors and VFDs Other: Other Specialty	<b>Business Type</b> Contractor Distributor Engineering Firm Other: UL panel Shop	<b>Join Date</b> 04/25/2013	<b>Projects Completed</b> 0
<b>Atlantic Electric, Inc.</b> P.O. Box 51163 Casper, WY Phone: 307-265-8658	<b>Specialties</b> Lighting	<b>Business Type</b> Contractor	<b>Join Date</b> 11/23/2009	<b>Projects Completed</b> 6



<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> 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>Engineering Design Associates</b> 1607 CY Avenue Suite 303, Casper, WY Phone: 307-766-5033 Website: EDAengineering.com	<b>Specialties</b> Lighting	<b>Business Type</b> Engineering Firm	<b>Join Date</b> 03/10/2010	<b>Projects Completed</b> Completed
<b>Van Boerum &amp; Frank Associates</b> 330 South 300 East Salt Lake City, UT Phone: 801-530-3148 Website: www.vbfa.com	<b>Specialties</b> Building envelope Controls HVAC - evaporative HVAC - unitary Lighting Motors and VFDs	<b>Business Type</b> Architect Engineering Firm Other	<b>Join Date</b> 01/01/2012	<b>Projects Completed</b> Completed
<b>Restaurant and Store Equipment Company</b> 230 West 700 South Salt Lake City, UT Phone: 801-364-1981 Website: rescosl.com	<b>Specialties</b> Appliances Food Service	<b>Business Type</b> Distributor	<b>Join Date</b> 10/15/2013	<b>Projects Completed</b> Completed
<b>Boyle Electric Inc</b> 707 Garfield ST Lander, WY Phone: 307-332-8139 Website: boyleelectric.com	<b>Specialties</b> Lighting Motors and VFDs	<b>Business Type</b> Contractor	<b>Join Date</b> 02/01/2009	<b>Projects Completed</b> 1



## Appendix 7

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# Communications, Outreach, and Education

Rocky Mountain Power

## Communications, Outreach, and Education

### 2013 Earned Media

Earned media is managed by Rocky Mountain Power's external communications department in cooperation with the company's customer and community managers in Wyoming. The company identified one news story in 2013 that mentioned its energy efficiency programs (there may be additional news stories not posted online):

- 9/21/13 – Casper Star-Tribune: Rocky Mountain Power offers refrigerator roundup  
[http://trib.com/business/rocky-mountain-power-offers-refrigerator-roundup/article\\_39b5e82b-1e8e-5f4b-9328-c1c2f6a4c642.html](http://trib.com/business/rocky-mountain-power-offers-refrigerator-roundup/article_39b5e82b-1e8e-5f4b-9328-c1c2f6a4c642.html)
- 9/26/13 – Casper Journal: Recycle old refrigerators  
[http://trib.com/business/rocky-mountain-power-offers-refrigerator-roundup/article\\_39b5e82b-1e8e-5f4b-9328-c1c2f6a4c642.html](http://trib.com/business/rocky-mountain-power-offers-refrigerator-roundup/article_39b5e82b-1e8e-5f4b-9328-c1c2f6a4c642.html)
- 12/1/13 – Wyoming Business Report: Wyoming's energy efficiency lousy as ever per capita  
[http://www.wyomingbusinessreport.com/Current\\_Edition/Wyomings\\_energy\\_efficiency\\_lousy\\_as\\_ever\\_per\\_capita](http://www.wyomingbusinessreport.com/Current_Edition/Wyomings_energy_efficiency_lousy_as_ever_per_capita)
- 12/23/13 – Pinedale Online: Refrigerator recycling program  
<http://www.pinedaleonline.com/news/2013/12/Refrigeratorrecyclin.htm>

The company distributed four news releases to media in Wyoming during 2013 that included information about its energy efficiency programs:

- 9/19/13 – See ya Later, Refrigerator! 2013 Refrigerator Roundup is underway  
<https://www.rockymountainpower.net/about/nr/nr2013/slrrru.html>
- 10/23/13 – Mountain Cement completes third large energy-saving project  
<https://www.rockymountainpower.net/about/nr/nr2013/mcctlesp.html>
- 11/8/13 – Rocky Mountain Power proposes credit for Idaho customers early next year  
[https://www.rockymountainpower.net/about/nr/nr2013/rocky\\_mountain\\_powerproposesc\\_redditforidahocustomersearlynextyear.html](https://www.rockymountainpower.net/about/nr/nr2013/rocky_mountain_powerproposesc_redditforidahocustomersearlynextyear.html)
- 12/2/13 – Wyoming communities shine during Rocky Mountain Power's Refrigerator Roundup  
<https://www.rockymountainpower.net/about/nr/nr2013/wcsdrmpr.html>

### Links to 2013 Advertisements

#### Television

30 second spots

- [Math girl - new](#)
- [Tuba - new](#)

- [Wyoming winters](#)
- [Long underwear](#)

15 second spots

- [Bathroom/Wattsimple](#)
- [Dog/Wattsrunning](#)
- [Kilowatts/Wattsup](#)
- [Lightbulb/Wattsout](#)
- [Holiday](#)

### **Radio**

- [wattsmart Decor](#)
- [wattsmart Drain](#)
- [wattsmart Newspaper](#)
- [wattsmart Sweater](#)
- [wattsmart Save energy](#)
- [Finanswer Radio](#)
- [Dream Business](#)

### **Newspaper**

- [Goofy dog](#) – insulation
- [Warm Hat](#)
- [We can all be wattsmart](#)
- [Finanswer Thank You ad](#)
- [Church & Dwight ad](#)
- [Mountain Cement from Laramie](#)

### **Outdoor**

- [Chills and bills](#)
- [Spring for energy savings](#)
- [Light switch](#)

### **Inserts**

- [wattsup insert \(May\)](#)
- [wattsup insert \(October\)](#)
- [Bill envelope](#)