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Table of Contents

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Non-Residential Energy Efficiency 14

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Portfolio and Sector Level Cost Effectiveness

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Table 1 - Utility Inputs

Parameter	Value
Discount Rate	6.88%
Residential Line Loss	9.51%
Commercial Line Loss	8.90%
Industrial Line Loss	5.61%
Irrigation Line Loss	9.28%
Residential Energy Rate (\$/kWh)(base year 2014)	\$0.1071
Commercial Energy Rate (\$/kWh)(base year 2014)	\$0.0864
Industrial Energy Rate (\$/kWh)(base year 2014)	\$0.0637
Irrigation Energy Rate (\$/kWh)(base year 2014)	\$0.0919
Inflation Rate ¹	1.90%

¹ Future rates determined using a 1.9% annual escalator.

Table 2 – Portfolio Level Costs 2014

Cost	Value
Portfolio EM&V, DSM Central and Technical Reference Library - Category 1	\$41,939
Portfolio EM&V, DSM Central and Technical Reference Library - Category 2	\$142,442
Portfolio EM&V, DSM Central and Technical Reference Library - Category 3	\$256,553
Outreach & Communication	\$156,845
Total Costs	\$597,779

Table 3 - Benefit/Cost Ratios by Portfolio Type

Measure Group	PTRC	TRC	UCT	RIM	PCT
Total Portfolio	1.44	1.31	1.88	0.61	2.93
C&I Programs	1.33	1.21	1.88	0.61	2.55
Residential Programs	1.85	1.68	2.09	0.62	3.77

Table 4 – 2014 Total Energy Efficiency Portfolio Cost-Effectiveness Results

Cost-Effectiveness Test	Levelized \$/kWh	Costs	Benefits	Net Benefits	Benefit/Cost Ratio
Total Resource Cost Test (PTRC) + Conversation Adder	\$0.0630	\$6,733,084	\$9,693,926	\$2,960,842	1.44
Total Resource Cost Test (TRC) No Adder	\$0.0630	\$6,733,084	\$8,812,660	\$2,079,576	1.31
Utility Cost Test (UCT)	\$0.0438	\$4,682,806	\$8,812,660	\$4,129,853	1.88
Rate Impact Test (RIM)		\$14,482,789	\$8,812,660	-\$5,670,130	0.61
Participant Cost Test (PCT)		\$5,054,642	\$14,787,451	\$9,732,808	2.93
Lifecycle Revenue Impacts (\$/kWh)					\$0.000051258

Table 5 – 2014 C&I Energy Efficiency Portfolio Cost-Effectiveness Results

Cost-Effectiveness Test	Levelized \$/kWh	Costs	Benefits	Net Benefits	Benefit/Cost Ratio
Total Resource Cost Test (PTRC) + Conversation Adder	\$0.0619	\$4,713,212	\$6,250,362	\$1,537,150	1.33
Total Resource Cost Test (TRC) No Adder	\$0.0619	\$4,713,212	\$5,682,147	\$968,935	1.21
Utility Cost Test (UCT)	\$0.0398	\$3,026,538	\$5,682,147	\$2,655,609	1.88
Rate Impact Test (RIM)		\$9,292,364	\$5,682,147	-\$3,610,217	0.61
Participant Cost Test (PCT)		\$3,506,522	\$8,950,826	\$5,444,304	2.55
Lifecycle Revenue Impacts (\$/kWh)					\$0.000027831

Table 6 – 2014 Residential Energy Efficiency Portfolio Cost-Effectiveness Results

Cost-Effectiveness Test	Levelized \$/kWh	Costs	Benefits	Net Benefits	Benefit/Cost Ratio
Total Resource Cost Test (PTRC) + Conversation Adder	\$0.0607	\$1,863,027	\$3,443,564	\$1,580,537	1.85
Total Resource Cost Test (TRC) No Adder	\$0.0607	\$1,863,027	\$3,130,513	\$1,267,486	1.68
Utility Cost Test (UCT)	\$0.0488	\$1,499,423	\$3,130,513	\$1,631,089	2.09
Rate Impact Test (RIM)		\$5,033,580	\$3,130,513	-\$1,903,068	0.62
Participant Cost Test (PCT)		\$1,548,120	\$5,836,625	\$4,288,504	3.77
Lifecycle Revenue Impacts (\$/kWh)					\$0.000023301

Program Level Cost Effectiveness

Home Energy Savings Program

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Table 7 – Home Energy Savings Inputs

Parameter	Value
Discount Rate	6.88%
Residential Line Loss	9.51%
Residential Energy Rate (\$/kWh)(base year 2014)	\$0.1071
Inflation Rate ¹	1.90%

¹ Future rates determined using a 1.9% annual escalator.

Table 8 – Home Energy Savings Annual Program Costs

Measure Group	Engineering Costs	Utility Admin	Program Delivery	Program Dev.	Incentives	Total Utility Costs	Gross Customer Costs
Appliances	\$0	\$1,168	\$33,844	\$0	\$42,175	\$77,187	\$185,187
Home Electronics	\$0	\$2,566	\$74,355	\$0	\$62,835	\$139,755	\$251,746
HVAC	\$0	\$3,991	\$115,663	\$0	\$58,800	\$178,455	\$61,242
Lighting	\$0	\$54,336	\$124,791	\$0	\$414,079	\$593,206	\$899,501
Weatherization	\$0	\$6,252	\$181,178	\$0	\$84,980	\$272,411	\$150,445
Total	\$0	\$68,313	\$529,832	\$0	\$662,869	\$1,261,014	\$1,548,120

Table 9 – Home Energy Savings – Savings by Measure Category

Measure Group	Gross kWh Savings	Realization Rate	Adjusted Gross kWh Savings	Net to Gross Ratio	Net kWh Savings	Measure Life
Appliances	102,423	97%	99,350	60%	59,610	14
Home Electronics	225,020	73%	164,265	57%	93,631	6
HVAC	350,033	100%	350,033	60%	210,020	19
Lighting	4,765,210	100%	4,765,210	65%	3,097,387	6
Weatherization	548,302	100%	548,302	100%	548,302	30
Total	5,990,989	99%	5,927,160	68%	4,008,950	9

Table 10 - Benefit/Cost Ratios by Measure Category

Measure Group	PTRC	TRC	UCT	RIM	PCT
Appliances	0.38	0.34	0.65	0.34	0.84
Home Electronics	0.19	0.17	0.27	0.19	0.63
HVAC	2.54	2.31	2.03	0.77	8.94
Lighting	1.71	1.56	2.00	0.50	3.55
Weatherization	3.99	3.62	4.49	0.98	7.06
Total	1.94	1.76	2.27	0.64	3.30

Table 11 – Home Energy Savings Program Level Cost-Effectiveness Results

Cost-Effectiveness Test	Levelized \$/kWh	Costs	Benefits	Net Benefits	Benefit/Cost Ratio
Total Resource Cost Test (PTRC) + Conversation Adder	\$0.0585	\$1,624,618	\$3,149,298	\$1,524,681	1.94
Total Resource Cost Test (TRC) No Adder	\$0.0585	\$1,624,618	\$2,862,999	\$1,238,381	1.76
Utility Cost Test (UCT)	\$0.0454	\$1,261,014	\$2,862,999	\$1,601,985	2.27
Rate Impact Test (RIM)		\$4,460,020	\$2,862,999	-\$1,597,021	0.64
Participant Cost Test (PCT)		\$1,548,120	\$5,116,351	\$3,568,231	3.30
Lifecycle Revenue Impacts (\$/kWh)					\$0.000019553
Discounted Participant Payback (years)					2.08

Table 12 through Table 16 provides cost-effectiveness results for all five measures.

**Table 12 - Home Energy Savings Appliances Cost-Effectiveness Results
(2013 IRP East Residential Whole House 35%)**

Cost-Effectiveness Test	Levelized \$/kWh	Costs	Benefits	Net Benefits	Benefit/Cost Ratio
Total Resource Cost Test (PTRC) + Conversation Adder	\$0.2474	\$146,124	\$55,080	-\$91,044	0.38
Total Resource Cost Test (TRC) No Adder	\$0.2474	\$146,124	\$50,073	-\$96,051	0.34
Utility Cost Test (UCT)	\$0.1307	\$77,187	\$50,073	-\$27,114	0.65
Rate Impact Test (RIM)		\$145,213	\$50,073	-\$95,140	0.34
Participant Cost Test (PCT)		\$185,187	\$155,552	-\$29,635	0.84
Lifecycle Revenue Impacts (\$/kWh)					\$0.000000733
Discounted Participant Payback (years)					n/a

**Table 13 - Home Energy Savings Home Electronics Cost-Effectiveness Results
(2013 IRP East Residential Whole House 35%)**

Cost-Effectiveness Test	Levelized \$/kWh	Costs	Benefits	Net Benefits	Benefit/Cost Ratio
Total Resource Cost Test (PTRC) + Conversation Adder	\$0.4635	\$220,416	\$41,309	-\$179,107	0.19
Total Resource Cost Test (TRC) No Adder	\$0.4635	\$220,416	\$37,553	-\$182,862	0.17
Utility Cost Test (UCT)	\$0.2939	\$139,755	\$37,553	-\$102,202	0.27
Rate Impact Test (RIM)		\$194,350	\$37,553	-\$156,797	0.19
Participant Cost Test (PCT)		\$251,746	\$158,615	-\$93,131	0.63
Lifecycle Revenue Impacts (\$/kWh)					\$0.000002990
Discounted Participant Payback (years)					36.08

**Table 14 - Home Energy Savings HVAC Cost-Effectiveness Results
(2013 IRP East Residential Cooling 10%)**

Cost-Effectiveness Test	Levelized \$/kWh	Costs	Benefits	Net Benefits	Benefit/Cost Ratio
Total Resource Cost Test (PTRC) + Conversation Adder	\$0.0615	\$156,400	\$398,018	\$241,619	2.54
Total Resource Cost Test (TRC) No Adder	\$0.0615	\$156,400	\$361,835	\$205,435	2.31
Utility Cost Test (UCT)	\$0.0702	\$178,455	\$361,835	\$183,380	2.03
Rate Impact Test (RIM)		\$471,643	\$361,835	-\$109,808	0.77
Participant Cost Test (PCT)		\$61,242	\$547,447	\$486,205	8.94
Lifecycle Revenue Impacts (\$/kWh)					\$0.000000620
Discounted Participant Payback (years)					0.11

**Table 15 - Home Energy Savings Lighting Cost-Effectiveness Results
(2013 IRP East Residential Lighting 48%)**

Cost-Effectiveness Test	Levelized \$/kWh	Costs	Benefits	Net Benefits	Benefit/Cost Ratio
Total Resource Cost Test (PTRC) + Conversation Adder	\$0.0486	\$763,803	\$1,308,296	\$544,493	1.71
Total Resource Cost Test (TRC) No Adder	\$0.0486	\$763,803	\$1,189,360	\$425,557	1.56
Utility Cost Test (UCT)	\$0.0377	\$593,206	\$1,189,360	\$596,153	2.00
Rate Impact Test (RIM)		\$2,399,242	\$1,189,360	-\$1,209,883	0.50
Participant Cost Test (PCT)		\$899,501	\$3,192,596	\$2,293,095	3.55
Lifecycle Revenue Impacts (\$/kWh)					\$0.000023069
Discounted Participant Payback (years)					1.46

**Table 16 - Home Energy Savings Weatherization Cost-Effectiveness Results
(2013 IRP East Residential Cooling 10%)**

Cost-Effectiveness Test	Levelized \$/kWh	Costs	Benefits	Net Benefits	Benefit/Cost Ratio
Total Resource Cost Test (PTRC) + Conversation Adder	\$0.0400	\$337,875	\$1,346,596	\$1,008,720	3.99
Total Resource Cost Test (TRC) No Adder	\$0.0400	\$337,875	\$1,224,178	\$886,303	3.62
Utility Cost Test (UCT)	\$0.0323	\$272,411	\$1,224,178	\$951,767	4.49
Rate Impact Test (RIM)		\$1,249,572	\$1,224,178	-\$25,394	0.98
Participant Cost Test (PCT)		\$150,445	\$1,062,142	\$911,697	7.06
Lifecycle Revenue Impacts (\$/kWh)					\$0.000000090
Discounted Participant Payback (years)					1.10

Refrigerator Recycling (See ya later, refrigerator)

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Vcdrg"3; /"U NT"Ucxkpi u'd { "O gcuwtg"Ecvgi qt { "

Vcdrg"42/"Dgpgkv'Equv'Tcvku'd { "O gcuwtg"Ecvgi qt { "

Vcdrg"43/"U NT"Rtqi tco "Ngxgn'Equv'Ghgevkxpgguu'Tguwuu"

Vcdrg"44/"U NT"Thgtki gtcvqtu'Equv'Ghgevkxpgguu'Tguwuu"

Vcdrg"45/"U NT"Hggj gtu'Equv'Ghgevkxpgguu'Tguwuu"

Vcdrg"46/"U NT"Mku'Equv'Ghgevkxpgguu'Tguwuu"

Table 17 – SYLR Inputs

Parameter	Value
Discount Rate	6.88%
Residential Line Loss	9.51%
Residential Energy Rate (\$/kWh)(base year 2014)	\$0.1071
Inflation Rate ¹	1.90%

¹ Future rates determined using a 1.9% annual escalator.

Table 18 – SYLR Annual Program Costs

Measure Group	Engineering Costs	Utility Admin	Program Delivery	Program Dev.	Incentives	Total Utility Costs	Gross Customer Costs
Refrigerators	\$0	\$14,292	\$60,372	\$13,329	\$25,560	\$113,553	\$0
Freezers	\$0	\$2,857	\$12,069	\$2,665	\$6,120	\$23,711	\$0
Kits	\$0	\$533	\$2,252	\$497	\$4,407	\$7,689	\$0
Total	\$0	\$17,682	\$74,693	\$16,491	\$36,087	\$144,954	\$0

Table 19 – SYLR Savings by Measure Category

Measure Group	Gross kWh Savings	Realization Rate	Adjusted Gross kWh Savings	Net to Gross Ratio	Net kWh Savings	Measure Life
Refrigerators	722,238	100%	722,238	39%	281,673	7
Freezers	144,388	100%	144,388	51%	73,638	5
Kits	26,937	100%	26,937	100%	26,937	6
Total	893,563	100%	893,563	43%	382,248	7

Table 20 - Benefit/Cost Ratios by Measure Category

Measure Group	PTRC	TRC	UCT	RIM	PCT
Refrigerators	1.26	1.14	1.14	0.43	n/a
Freezers	1.16	1.05	1.05	0.41	n/a
Kits	1.48	1.35	1.35	0.44	n/a
Total	1.25	1.14	1.14	0.43	n/a

Table 21 – SYLR Program Level Cost-Effectiveness Results

Cost-Effectiveness Test	Levelized \$/kWh	Costs	Benefits	Net Benefits	Benefit/Cost Ratio
Total Resource Cost Test (PTRC) + Conversation Adder	\$0.0695	\$144,954	\$181,340	\$36,386	1.25
Total Resource Cost Test (TRC) No Adder	\$0.0695	\$144,954	\$164,855	\$19,901	1.14
Utility Cost Test (UCT)	\$0.0695	\$144,954	\$164,855	\$19,901	1.14
Rate Impact Test (RIM)		\$384,591	\$164,855	-\$219,737	0.43
Participant Cost Test (PCT)		\$0	\$603,890	\$603,890	n/a
Lifecycle Revenue Impacts (\$/kWh)					\$0.000003531
Discounted Participant Payback (years)					n/a

Table 22 through Table 24 provides cost-effectiveness results for all three measures.

Table 22 – SYLR Refrigerators Cost-Effectiveness Results (2013 IRP East Residential Whole House 35%)

Cost-Effectiveness Test	Levelized \$/kWh	Costs	Benefits	Net Benefits	Benefit/Cost Ratio
Total Resource Cost Test (PTRC) + Conversation Adder	\$0.0696	\$113,553	\$142,510	\$28,956	1.26
Total Resource Cost Test (TRC) No Adder	\$0.0696	\$113,553	\$129,554	\$16,001	1.14
Utility Cost Test (UCT)	\$0.0696	\$113,553	\$129,554	\$16,001	1.14
Rate Impact Test (RIM)		\$300,877	\$129,554	-\$171,323	0.43
Participant Cost Test (PCT)		\$0	\$505,877	\$505,877	n/a
Lifecycle Revenue Impacts (\$/kWh)					\$0.000002753
Discounted Participant Payback (years)					n/a

**Table 23 – SYLR Freezers Cost-Effectiveness Results
(2013 IRP East Residential Whole House 35%)**

Cost-Effectiveness Test	Levelized \$/kWh	Costs	Benefits	Net Benefits	Benefit/Cost Ratio
Total Resource Cost Test (PTRC) + Conversation Adder	\$0.0743	\$23,711	\$27,452	\$3,741	1.16
Total Resource Cost Test (TRC) No Adder	\$0.0743	\$23,711	\$24,957	\$1,245	1.05
Utility Cost Test (UCT)	\$0.0743	\$23,711	\$24,957	\$1,245	1.05
Rate Impact Test (RIM)		\$60,318	\$24,957	-\$35,362	0.41
Participant Cost Test (PCT)		\$0	\$77,898	\$77,898	n/a
Lifecycle Revenue Impacts (\$/kWh)					\$0.000000829
Discounted Participant Payback (years)					n/a

**Table 24 - SYLR Kits Cost-Effectiveness Results
(2013 IRP East Residential Lighting 48%)**

Cost-Effectiveness Test	Levelized \$/kWh	Costs	Benefits	Net Benefits	Benefit/Cost Ratio
Total Resource Cost Test (PTRC) + Conversation Adder	\$0.0562	\$7,689	\$11,378	\$3,689	1.48
Total Resource Cost Test (TRC) No Adder	\$0.0562	\$7,689	\$10,344	\$2,654	1.35
Utility Cost Test (UCT)	\$0.0562	\$7,689	\$10,344	\$2,654	1.35
Rate Impact Test (RIM)		\$23,396	\$10,344	-\$13,052	0.44
Participant Cost Test (PCT)		\$0	\$20,114	\$20,114	n/a
Lifecycle Revenue Impacts (\$/kWh)					\$0.000000249
Discounted Participant Payback (years)					n/a

"

Low Income Weatherization

"

P cxi cpv'guko cvgf "y g'equv/ghgevkxpgguu'tguwuu'hqt"y g"Y {qo kpi "Nqy "Kpego g"Y gcvj gtlk cvkqp"Rtqi tco ." dcugf "qp"4236"equu"cpf "ucxkpi u'guko cvgu'r tqxkf gf "d{ "RcekhEqr 0Vj ku'o go q'r tqxkf gu'y g'equv/ghgevkxpgguu'tguwuu'hqt"y g"qxgtcmr tqi tco 0"

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Equv/ghgevkxpgguu'y cu'vgugf "wukpi "y g"4235"TR'Gcu/T gukf gpvcn"Y j qrg"J qwug"57" "rqcf "hcevt" f getgo gp0Vj g'r tqi tco "r cuugu'y g'equv/ghgevkxpgguu'hqt"cm'y g"vguu"gzegr v'y g"TKO "cpf "RE V'vguu0Vj g" o go q'eqpuku"qh'y g'hqmqy kpi "vcdgu0"

"

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Vcdrg"48/"Nqy "Kpego g"Y gcvj gtlk cvkqp"CppwcnRtqi tco "Equu"

Vcdrg"49/"Nqy "Kpego g"Y gcvj gtlk cvkqp"Ucxkpi u'd{ "O gcuwg"Ecvgi qt { "

Vcdrg"4: "/"Nqy "Kpego g"Y gcvj gtlk cvkqp"Rtqi tco "NgxgnEquv/GHgevkxpgguu"Tuwuu"

Table 25 – Low Income Weatherization Inputs

Parameter	Value
Discount Rate	6.88%
Residential Line Loss	9.51%
Residential Energy Rate (\$/kWh)(base year 2014)	\$0.1071
Inflation Rate ¹	1.90%

¹ Future rates determined using a 1.9% annual escalator.

Table 26 – Low Income Weatherization Annual Program Costs

Measure Group	Engineering Costs	Utility Admin	Program Delivery	Program Dev.	Incentives	Total Utility Costs	Gross Customer Costs
Low Income Weatherization	\$0	\$5,582	\$2,087	\$76	\$20,871	\$28,616	\$0
Total	\$0	\$5,582	\$2,087	\$76	\$20,871	\$28,616	\$0

Table 27 – Low Income Weatherization Savings by Measure Category

Measure Group	Gross kWh Savings	Realization Rate	Adjusted Gross kWh Savings	Net to Gross Ratio	Net kWh Savings	Measure Life
Low Income Weatherization	57,382	100%	57,382	100%	57,382	26
Total	57,382	100%	57,382	100%	57,382	26

Table 28 – Low Income Weatherization Program Level Cost-Effectiveness Results

Cost-Effectiveness Test	Levelized \$/kWh	Costs	Benefits	Net Benefits	Benefit/Cost Ratio
Total Resource Cost Test (PTRC) + Conversation Adder	\$0.0346	\$28,616	\$112,926	\$84,310	3.95
Total Resource Cost Test (TRC) No Adder	\$0.0346	\$28,616	\$102,660	\$74,044	3.59
Utility Cost Test (UCT)	\$0.0346	\$28,616	\$102,660	\$74,044	3.59
Rate Impact Test (RIM)		\$124,129	\$102,660	-\$21,469	0.83
Participant Cost Test (PCT)		\$0	\$116,384	\$116,384	n/a
Lifecycle Revenue Impacts (\$/kWh)					\$0.000000088
Discounted Participant Payback (years)					n/a

Non-Residential Energy Efficiency

Non-Residential Category 2

"
 P cxi cpv'guko cvgf 'y g'equv/ghgevkxpggu'tguwmu'ht 'y g'Y {qo kpi 'Y cwuo ctv'Dwulpguu'Rtqi tco 'Ecvgi qt { "
 4."dcugf "qp"4236"equw'cpf "ucxkpi u'guko cvgu'r tqxf gf "d{ 'RcekHEqtr 0Vj ku'o go q'r tqxf gu'y g'equv
 ghgevkxpggu'tguwmu'ht 'y g'qxgtcmr tqi tco "cpf 'ht 'y g'gki j v'o gcuwtg'ecvgi qtkgu0
 "

Equv/ghgevkxpggu'y cu'vugvf 'wukpi 'y g'4235"KR"gcuv'u{ ungo '92' "hcf 'hcevqt 'f getgo gp0Vj g'r tqi tco "
 r cuugu'y g'equv/ghgevkxpggu'ht 'cm'y g'vguw'gzegr v'y g'TKO "vgu0Vj g'o go q"eqpuku'qh'y g'hqmjy kpi "
 vdrgu0
 "

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- Vcdrg"53/"Cpwen'Ego o gtekn'cpf "Kp' wu'tkn'Ucxkpi u'd{ "O gcuwtg"V{ r g"*Ecvgi qt { "4+"
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- Vcdrg"5; /"Y cwuo ctv'Dwulpguu'Nki j vki 'Equv/Ghgevkxpggu'T guwmu"*Ecvgi qt { "4+"
- Vcdrg"62/"Y cwuo ctv'Dwulpguu'O qvtu'Equv/Ghgevkxpggu'T guwmu"*Ecvgi qt { "4+"
- Vcdrg"63/"Y cwuo ctv'Dwulpguu'Y gcvj gk cvkqp'Equv/Ghgevkxpggu'T guwmu"*Ecvgi qt { "4+"

Table 29 - Utility Inputs (Category 2)

Parameter	Value
Discount Rate	6.88%
Commercial Line Loss	8.90%
Industrial Line Loss	5.61%
Irrigation Line Loss	9.28%
Commercial Energy Rate (\$/kWh)(base year 2014)	\$0.0864
Industrial Energy Rate (\$/kWh)(base year 2014)	\$0.0637
Irrigation Energy Rate (\$/kWh)(base year 2014)	\$0.0919
Inflation Rate ¹	1.90%

¹ Future rates determined using a 1.9% annual escalator.

Table 30 - Annual Commercial and Industrial Program Costs by Measure Category (Category 2)

Measure Group	Engineering Costs	Utility Admin	Program Admin	Program Dev.	Incentives	Total Utility Costs	Gross Customer Costs
Additional Measures	\$9,464	\$4,018	\$23,439	\$4,167	\$23,186	\$64,273	\$51,542
Compressed Air	\$9,860	\$4,186	\$24,421	\$4,341	\$40,802	\$83,611	\$63,410
Freezers	\$142	\$60	\$351	\$62	\$700	\$1,316	\$228
HVAC	\$8,749	\$3,714	\$21,669	\$3,852	\$40,900	\$78,883	\$110,097
Irrigation	\$2,280	\$968	\$5,646	\$1,004	\$8,080	\$17,977	\$55,308
Lighting	\$124,194	\$52,725	\$307,589	\$54,678	\$508,924	\$1,048,110	\$2,094,240
Motors	\$34,120	\$14,485	\$84,505	\$15,022	\$67,783	\$215,915	\$150,862
Weatherization	\$305	\$129	\$755	\$134	\$3,411	\$4,734	\$4,915
Total	\$189,114	\$80,286	\$468,374	\$83,260	\$693,786	\$1,514,820	\$2,530,602

Table 31 - Annual Commercial and Industrial Savings by Measure Category (Category 2)

Measure Group	Gross kWh Savings	Realization Rate	Adjusted Gross kWh Savings	Net to Gross Ratio	Net kWh Savings	Measure Life
Additional Measures	261,071	100%	261,071	80%	208,857	15
Compressed Air	272,014	100%	272,014	80%	217,611	15
Freezers	3,912	100%	3,912	80%	3,130	12
HVAC	241,354	100%	241,354	80%	193,083	15
Irrigation	62,888	100%	62,888	80%	50,310	15
Lighting	3,426,063	100%	3,426,063	80%	2,740,850	14
Motors	941,253	100%	941,253	80%	753,002	15
Weatherization	8,405	100%	8,405	80%	6,724	20
Total	5,216,960	100%	5,216,960	80%	4,173,568	14

Table 32 - Benefit/Cost Ratios by Measure Category (Category 2)

Measure Group	PTRC	TRC	UCT	RIM	PCT
Additional Measures	2.06	1.87	2.40	0.72	4.06
Compressed Air	1.95	1.77	1.98	0.56	4.79
Freezers	2.78	2.52	1.53	0.52	17.20
HVAC	1.38	1.25	2.00	0.59	2.49
Irrigation	0.89	0.81	2.42	0.69	1.17
Lighting	1.00	0.91	1.92	0.57	1.73
Motors	2.32	2.11	2.63	0.64	6.02
Weatherization	1.41	1.28	1.42	0.54	2.68
Total	1.20	1.09	2.05	0.59	2.13

Table 33 - Wattsmart Business Program Level Cost-Effectiveness Results (Category 2)

Cost-Effectiveness Test	Levelized \$/kWh	Costs	Benefits	Net Benefits	Benefit/Cost Ratio
Total Resource Cost Test (PTRC) + Conversation Adder	\$0.0677	\$2,845,516	\$3,422,307	\$576,791	1.20
Total Resource Cost Test (TRC) No Adder	\$0.0677	\$2,845,516	\$3,111,188	\$265,673	1.09
Utility Cost Test (UCT)	\$0.0360	\$1,514,820	\$3,111,188	\$1,596,368	2.05
Rate Impact Test (RIM)		\$5,277,527	\$3,111,188	-\$2,166,339	0.59
Participant Cost Test (PCT)		\$2,530,602	\$5,397,170	\$2,866,568	2.13
Lifecycle Revenue Impacts (\$/kWh)					\$0.000016700

Table 34 through Table 41 provides cost-effectiveness results for all eight measures.

Table 34 - Wattsmart Business Additional Measures Cost-Effectiveness Results (Category 2)

Cost-Effectiveness Test	Levelized \$/kWh	Costs	Benefits	Net Benefits	Benefit/Cost Ratio
Total Resource Cost Test (PTRC) + Conversation Adder	\$0.0379	\$82,320	\$169,441	\$87,121	2.06
Total Resource Cost Test (TRC) No Adder	\$0.0379	\$82,320	\$154,038	\$71,717	1.87
Utility Cost Test (UCT)	\$0.0296	\$64,273	\$154,038	\$89,765	2.40
Rate Impact Test (RIM)		\$212,982	\$154,038	-\$58,944	0.72
Participant Cost Test (PCT)		\$51,542	\$209,072	\$157,530	4.06
Lifecycle Revenue Impacts (\$/kWh)					\$0.000000423
Discounted Participant Payback (years)					2.15

Table 35 - Wattsmart Business Compressed Air Cost-Effectiveness Results (Category 2)

Cost-Effectiveness Test	Levelized \$/kWh	Costs	Benefits	Net Benefits	Benefit/Cost Ratio
Total Resource Cost Test (PTRC) + Conversation Adder	\$0.0414	\$93,537	\$182,043	\$88,506	1.95
Total Resource Cost Test (TRC) No Adder	\$0.0414	\$93,537	\$165,494	\$71,957	1.77
Utility Cost Test (UCT)	\$0.0370	\$83,611	\$165,494	\$81,883	1.98
Rate Impact Test (RIM)		\$293,768	\$165,494	-\$128,274	0.56
Participant Cost Test (PCT)		\$63,410	\$303,498	\$240,088	4.79
Lifecycle Revenue Impacts (\$/kWh)					\$0.000000921
Discounted Participant Payback (years)					1.19

Table 36 - Wattsmart Business Freezers Cost-Effectiveness Results (Category 2)

Cost-Effectiveness Test	Levelized \$/kWh	Costs	Benefits	Net Benefits	Benefit/Cost Ratio
Total Resource Cost Test (PTRC) + Conversation Adder	\$0.0287	\$798	\$2,216	\$1,418	2.78
Total Resource Cost Test (TRC) No Adder	\$0.0287	\$798	\$2,014	\$1,216	2.52
Utility Cost Test (UCT)	\$0.0474	\$1,316	\$2,014	\$699	1.53
Rate Impact Test (RIM)		\$3,893	\$2,014	-\$1,879	0.52
Participant Cost Test (PCT)		\$228	\$3,922	\$3,694	17.20
Lifecycle Revenue Impacts (\$/kWh)					\$0.000000017
Discounted Participant Payback (years)					n/a

Table 37 - Wattsmart Business HVAC Cost-Effectiveness Results (Category 2)

Cost-Effectiveness Test	Levelized \$/kWh	Costs	Benefits	Net Benefits	Benefit/Cost Ratio
Total Resource Cost Test (PTRC) + Conversation Adder	\$0.0628	\$126,061	\$173,517	\$47,456	1.38
Total Resource Cost Test (TRC) No Adder	\$0.0628	\$126,061	\$157,743	\$31,682	1.25
Utility Cost Test (UCT)	\$0.0393	\$78,883	\$157,743	\$78,860	2.00
Rate Impact Test (RIM)		\$265,353	\$157,743	-\$107,610	0.59
Participant Cost Test (PCT)		\$110,097	\$273,986	\$163,890	2.49
Lifecycle Revenue Impacts (\$/kWh)					\$0.000000773
Discounted Participant Payback (years)					4.42

Table 38 - Wattsmart Business Irrigation Cost-Effectiveness Results (Category 2)

Cost-Effectiveness Test	Levelized \$/kWh	Costs	Benefits	Net Benefits	Benefit/Cost Ratio
Total Resource Cost Test (PTRC) + Conversation Adder	\$0.1036	\$54,144	\$47,949	-\$6,194	0.89
Total Resource Cost Test (TRC) No Adder	\$0.1036	\$54,144	\$43,590	-\$10,553	0.81
Utility Cost Test (UCT)	\$0.0344	\$17,977	\$43,590	\$25,613	2.42
Rate Impact Test (RIM)		\$63,478	\$43,590	-\$19,888	0.69
Participant Cost Test (PCT)		\$55,308	\$64,956	\$9,648	1.17
Lifecycle Revenue Impacts (\$/kWh)					\$0.000000143
Discounted Participant Payback (years)					15.88

Table 39 - Wattsmart Business Lighting Cost-Effectiveness Results (Category 2)

Cost-Effectiveness Test	Levelized \$/kWh	Costs	Benefits	Net Benefits	Benefit/Cost Ratio
Total Resource Cost Test (PTRC) + Conversation Adder	\$0.0815	\$2,214,579	\$2,215,292	\$713	1.00
Total Resource Cost Test (TRC) No Adder	\$0.0815	\$2,214,579	\$2,013,902	-\$200,677	0.91
Utility Cost Test (UCT)	\$0.0386	\$1,048,110	\$2,013,902	\$965,792	1.92
Rate Impact Test (RIM)		\$3,537,571	\$2,013,902	-\$1,523,669	0.57
Participant Cost Test (PCT)		\$2,094,240	\$3,620,749	\$1,526,509	1.73
Lifecycle Revenue Impacts (\$/kWh)					\$0.000011746
Discounted Participant Payback (years)					7.80

Table 40 - Wattsmart Business Motors Cost-Effectiveness Results (Category 2)

Cost-Effectiveness Test	Levelized \$/kWh	Costs	Benefits	Net Benefits	Benefit/Cost Ratio
Total Resource Cost Test (PTRC) + Conversation Adder	\$0.0344	\$268,822	\$624,430	\$355,608	2.32
Total Resource Cost Test (TRC) No Adder	\$0.0344	\$268,822	\$567,663	\$298,841	2.11
Utility Cost Test (UCT)	\$0.0276	\$215,915	\$567,663	\$351,748	2.63
Rate Impact Test (RIM)		\$887,937	\$567,663	-\$320,274	0.64
Participant Cost Test (PCT)		\$150,862	\$907,811	\$756,949	6.02
Lifecycle Revenue Impacts (\$/kWh)					\$0.000002300
Discounted Participant Payback (years)					1.37

Table 41 - Wattsmart Business Weatherization Cost-Effectiveness Results (Category 2)

Cost-Effectiveness Test	Levelized \$/kWh	Costs	Benefits	Net Benefits	Benefit/Cost Ratio
Total Resource Cost Test (PTRC) + Conversation Adder	\$0.0626	\$5,255	\$7,418	\$2,163	1.41
Total Resource Cost Test (TRC) No Adder	\$0.0626	\$5,255	\$6,744	\$1,489	1.28
Utility Cost Test (UCT)	\$0.0564	\$4,734	\$6,744	\$2,010	1.42
Rate Impact Test (RIM)		\$12,545	\$6,744	-\$5,801	0.54
Participant Cost Test (PCT)		\$4,915	\$13,175	\$8,260	2.68
Lifecycle Revenue Impacts (\$/kWh)					\$0.000000031
Discounted Participant Payback (years)					2.65

Non-Residential Category 3

P cxi cpv'guko cvgf 'y g'equv/ghgevkxpggu't guwmu'hqt 'y g'Y {qo kpi 'Y cwuo ctv'Dwulpguu'Rtqi tco 'Ecvgi qt { "5."dcugf "qp"4236"equw"cpf "ucxkpi u'guko cvgu'r tqxkf gf "d{ 'RcekHEqtr 0Vj ku'o go q'r tqxkf gu'y g'equv/ghgevkxpggu't guwmu'hqt 'y g'qxgtcmr' tqi tco "cpf 'hqt 'y g'ukz 'o gcuwtg'ecvgi qtkgu0'

Equv/ghgevkxpggu'y cu'vugvf 'wulpi 'y g'4235"KR"gcuv'u{ ungo '92' "hcf 'hcevqt 'f getgo gp0Vj g'r tqi tco " r cuugu'y g'equv/ghgevkxpggu'hqt 'cm'v' g'v'guu'z'egr v'y g'TKO "v'gu0Vj g'o go q"eqpukuu'qh'y g'hqmy kpi "

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- Vcdrg"67/"Dgpghv'Equv'Tcvku'd{ "O gcuwtg'Ecvgi qt { "Ecvgi qt { "5+"
- Vcdrg"68/"Y cwuo ctv'Dwulpguu'Rtqi tco 'Ngxgn'Equv/Ghgevkxpggu'T guwmu"*Ecvgi qt { "5+"
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- Vcdrg"73/"Y cwuo ctv'Dwulpguu'O qvtu'Equv/Ghgevkxpggu'T guwmu"*Ecvgi qt { "5+"
- Vcdrg"74/"Y cwuo ctv'Dwulpguu'Y gcvj gt k cvkp 'Equv/Ghgevkxpggu'T guwmu"*Ecvgi qt { "5+"

Table 42 - Utility Inputs (Category 3)

Parameter	Value
Discount Rate	6.88%
Commercial Line Loss	8.90%
Industrial Line Loss	5.61%
Irrigation Line Loss	9.28%
Commercial Energy Rate (\$/kWh)(base year 2014)	\$0.0864
Industrial Energy Rate (\$/kWh)(base year 2014)	\$0.0637
Irrigation Energy Rate (\$/kWh)(base year 2014)	\$0.0919
Inflation Rate ¹	1.90%

¹ Future rates determined using a 1.9% annual escalator.

Table 43 - Annual Commercial and Industrial Program Costs by Measure Category (Category 3)

Measure Group	Engineering Costs	Utility Admin	Program Admin	Program Dev.	Incentives	Total Utility Costs	Gross Customer Costs
Compressed Air	\$4,166	\$4,096	\$5,020	\$1,477	\$12,863	\$27,622	\$26,821
HVAC	\$1,390	\$1,367	\$1,675	\$493	\$4,800	\$9,725	-\$20,800
Irrigation	\$69,265	\$68,116	\$83,473	\$24,563	\$84,350	\$329,766	\$105,437
Lighting	\$39,870	\$39,208	\$48,048	\$14,139	\$59,708	\$200,972	\$312,061
Motors	\$79,458	\$78,139	\$95,756	\$28,177	\$261,288	\$542,818	\$551,818
Weatherization	\$20	\$20	\$24	\$7	\$1,749	\$1,820	\$583
Total	\$194,168	\$190,946	\$233,996	\$68,856	\$424,758	\$1,112,723	\$975,920

Table 44 - Annual Commercial and Industrial Savings by Measure Category (Category 3)

Measure Group	Gross kWh Savings	Realization Rate	Adjusted Gross kWh Savings	Net to Gross Ratio	Net kWh Savings	Measure Life
Compressed Air	88,705	100%	88,705	80%	70,964	15
HVAC	29,600	100%	29,600	80%	23,680	15
Irrigation	1,475,000	100%	1,475,000	80%	1,180,000	15
Lighting	849,029	100%	849,029	80%	679,223	14
Motors	1,692,053	100%	1,692,053	80%	1,353,642	15
Weatherization	427	100%	427	80%	342	20
Total	4,134,814	100%	4,134,814	80%	3,307,851	15

Table 45 - Benefit/Cost Ratios by Measure Category (Category 3)

Measure Group	PTRC	TRC	UCT	RIM	PCT
Compressed Air	1.64	1.49	1.95	0.56	3.67
HVAC	0.00	0.00	1.99	0.59	0.00
Irrigation	3.34	3.04	3.04	0.86	10.76
Lighting	1.38	1.25	2.43	0.69	2.24
Motors	1.53	1.39	1.86	0.63	2.88
Weatherization	0.70	0.64	0.19	0.15	3.85
Total	1.93	1.75	2.31	0.71	3.64

Table 46 - Wattsmart Business Program Level Cost-Effectiveness Results (Category 3)

Cost-Effectiveness Test	Levelized \$/kWh	Costs	Benefits	Net Benefits	Benefit/Cost Ratio
Total Resource Cost Test (PTRC) + Conversation Adder	\$0.0431	\$1,468,701	\$2,828,055	\$1,359,354	1.93
Total Resource Cost Test (TRC) No Adder	\$0.0431	\$1,468,701	\$2,570,959	\$1,102,258	1.75
Utility Cost Test (UCT)	\$0.0327	\$1,112,723	\$2,570,959	\$1,458,236	2.31
Rate Impact Test (RIM)		\$3,615,842	\$2,570,959	-\$1,044,882	0.71
Participant Cost Test (PCT)		\$975,920	\$3,553,656	\$2,577,736	3.64
Lifecycle Revenue Impacts (\$/kWh)					\$0.000007504

Table 47 through Table 52 provides cost-effectiveness results for all six measures.

Table 47 - Wattsmart Business Compressed Air Cost-Effectiveness Results (Category 3)

Cost-Effectiveness Test	Levelized \$/kWh	Costs	Benefits	Net Benefits	Benefit/Cost Ratio
Total Resource Cost Test (PTRC) + Conversation Adder	\$0.0491	\$36,216	\$59,365	\$23,149	1.64
Total Resource Cost Test (TRC) No Adder	\$0.0491	\$36,216	\$53,968	\$17,752	1.49
Utility Cost Test (UCT)	\$0.0375	\$27,622	\$53,968	\$26,346	1.95
Rate Impact Test (RIM)		\$96,155	\$53,968	-\$42,187	0.56
Participant Cost Test (PCT)		\$26,821	\$98,530	\$71,709	3.67
Lifecycle Revenue Impacts (\$/kWh)					\$0.000000303
Discounted Participant Payback (years)					2.31

Table 48 - Wattsmart Business HVAC Cost-Effectiveness Results (Category 3)

Cost-Effectiveness Test	Levelized \$/kWh	Costs	Benefits	Net Benefits	Benefit/Cost Ratio
Total Resource Cost Test (PTRC) + Conversation Adder	–	-\$11,715	\$21,280	\$32,995	–
Total Resource Cost Test (TRC) No Adder	–	-\$11,715	\$19,346	\$31,061	–
Utility Cost Test (UCT)	\$0.0395	\$9,725	\$19,346	\$9,621	1.99
Rate Impact Test (RIM)		\$32,594	\$19,346	-\$13,248	0.59
Participant Cost Test (PCT)		-\$20,800	\$33,386	\$54,186	0.00
Lifecycle Revenue Impacts (\$/kWh)					\$0.000000095
Discounted Participant Payback (years)					n/a

Table 49 - Wattsmart Business Irrigation Cost-Effectiveness Results (Category 3)

Cost-Effectiveness Test	Levelized \$/kWh	Costs	Benefits	Net Benefits	Benefit/Cost Ratio
Total Resource Cost Test (PTRC) + Conversation Adder	\$0.0269	\$329,765	\$1,100,983	\$771,217	3.34
Total Resource Cost Test (TRC) No Adder	\$0.0269	\$329,765	\$1,000,893	\$671,128	3.04
Utility Cost Test (UCT)	\$0.0269	\$329,766	\$1,000,893	\$671,128	3.04
Rate Impact Test (RIM)		\$1,169,942	\$1,000,893	-\$169,049	0.86
Participant Cost Test (PCT)		\$105,437	\$1,134,571	\$1,029,134	10.76
Lifecycle Revenue Impacts (\$/kWh)					\$0.000001214
Discounted Participant Payback (years)					0.28

Table 50 - Wattsmart Business Lighting Cost-Effectiveness Results (Category 3)

Cost-Effectiveness Test	Levelized \$/kWh	Costs	Benefits	Net Benefits	Benefit/Cost Ratio
Total Resource Cost Test (PTRC) + Conversation Adder	\$0.0581	\$390,913	\$538,254	\$147,341	1.38
Total Resource Cost Test (TRC) No Adder	\$0.0581	\$390,913	\$489,322	\$98,409	1.25
Utility Cost Test (UCT)	\$0.0299	\$200,972	\$489,322	\$288,350	2.43
Rate Impact Test (RIM)		\$711,794	\$489,322	-\$222,472	0.69
Participant Cost Test (PCT)		\$312,061	\$698,234	\$386,174	2.24
Lifecycle Revenue Impacts (\$/kWh)					\$0.000001715
Discounted Participant Payback (years)					5.78

Table 51 - Wattsmart Business Motors Cost-Effectiveness Results (Category 3)

Cost-Effectiveness Test	Levelized \$/kWh	Costs	Benefits	Net Benefits	Benefit/Cost Ratio
Total Resource Cost Test (PTRC) + Conversation Adder	\$0.0514	\$722,984	\$1,107,796	\$384,811	1.53
Total Resource Cost Test (TRC) No Adder	\$0.0514	\$722,984	\$1,007,087	\$284,103	1.39
Utility Cost Test (UCT)	\$0.0386	\$542,818	\$1,007,087	\$464,269	1.86
Rate Impact Test (RIM)		\$1,603,140	\$1,007,087	-\$596,053	0.63
Participant Cost Test (PCT)		\$551,818	\$1,586,690	\$1,034,872	2.88
Lifecycle Revenue Impacts (\$/kWh)					\$0.000004280
Discounted Participant Payback (years)					3.17

Table 52 - Wattsmart Business Weatherization Cost-Effectiveness Results (Category 3)

Cost-Effectiveness Test	Levelized \$/kWh	Costs	Benefits	Net Benefits	Benefit/Cost Ratio
Total Resource Cost Test (PTRC) + Conversation Adder	\$0.1261	\$537	\$377	-\$161	0.70
Total Resource Cost Test (TRC) No Adder	\$0.1261	\$537	\$343	-\$195	0.64
Utility Cost Test (UCT)	\$0.4268	\$1,820	\$343	-\$1,477	0.19
Rate Impact Test (RIM)		\$2,217	\$343	-\$1,874	0.15
Participant Cost Test (PCT)		\$583	\$2,245	\$1,662	3.85
Lifecycle Revenue Impacts (\$/kWh)					\$0.000000010
Discounted Participant Payback (years)					n/a

Non-Residential Category 2 & 3

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Table 53 - Utility Inputs

Parameter	Value
Discount Rate	6.88%
Commercial Line Loss	8.90%
Industrial Line Loss	5.61%
Irrigation Line Loss	9.28%
Commercial Energy Rate (\$/kWh)(base year 2014)	\$0.0864
Industrial Energy Rate (\$/kWh)(base year 2014)	\$0.0637
Irrigation Energy Rate (\$/kWh)(base year 2014)	\$0.0919
Inflation Rate ¹	1.90%

¹ Future rates determined using a 1.9% annual escalator.

Table 54 - Annual Commercial and Industrial Program Costs

Measure Group	Engineering Costs	Utility Admin	Program Admin	Program Dev.	Incentives	Total Utility Costs	Gross Customer Costs
Category 2	\$189,114	\$80,286	\$468,374	\$83,260	\$693,786	\$1,514,820	\$2,530,602
Category 3	\$194,168	\$190,946	\$233,996	\$68,856	\$424,758	\$1,112,723	\$975,920
Total	\$383,282	\$271,232	\$702,370	\$152,116	\$1,118,544	\$2,627,543	\$3,506,522

Table 55 - Annual Commercial and Industrial Savings by Program Category

Measure Group	Gross kWh Savings	Realization Rate	Adjusted Gross kWh Savings	Net to Gross Ratio	Net kWh Savings	Measure Life
Category 2	5,216,960	100%	5,216,960	80%	4,173,568	14
Category 3	4,134,814	100%	4,134,814	80%	3,307,851	15
Total	9,351,774	100%	9,351,774	80%	7,481,419	14

Table 56 - Benefit/Cost Ratios by Program Category

Measure Group	PTRC	TRC	UCT	RIM	PCT
Category 2	1.20	1.09	2.05	0.59	2.13
Category 3	1.93	1.75	2.31	0.71	3.64
Total	1.45	1.32	2.16	0.64	2.55

Table 57 - Wattsmart Business Program Level Cost-Effectiveness Results (Category 2 & 3)

Cost-Effectiveness Test	Levelized \$/kWh	Costs	Benefits	Net Benefits	Benefit/Cost Ratio
Total Resource Cost Test (PTRC) + Conversation Adder	\$0.0567	\$4,314,217	\$6,250,362	\$1,936,146	1.45
Total Resource Cost Test (TRC) No Adder	\$0.0567	\$4,314,217	\$5,682,148	\$1,367,931	1.32
Utility Cost Test (UCT)	\$0.0345	\$2,627,543	\$5,682,148	\$3,054,604	2.16
Rate Impact Test (RIM)		\$8,893,369	\$5,682,148	-\$3,211,221	0.64
Participant Cost Test (PCT)		\$3,506,522	\$8,950,826	\$5,444,304	2.55
Lifecycle Revenue Impacts (\$/kWh)					\$0.000011939

Table 58 - Wattsmart Business Program Level Cost-Effectiveness Results (Category 2)

Cost-Effectiveness Test	Levelized \$/kWh	Costs	Benefits	Net Benefits	Benefit/Cost Ratio
Total Resource Cost Test (PTRC) + Conversation Adder	\$0.0677	\$2,845,516	\$3,422,307	\$576,791	1.20
Total Resource Cost Test (TRC) No Adder	\$0.0677	\$2,845,516	\$3,111,188	\$265,673	1.09
Utility Cost Test (UCT)	\$0.0360	\$1,514,820	\$3,111,188	\$1,596,368	2.05
Rate Impact Test (RIM)		\$5,277,527	\$3,111,188	-\$2,166,339	0.59
Participant Cost Test (PCT)		\$2,530,602	\$5,397,170	\$2,866,568	2.13
Lifecycle Revenue Impacts (\$/kWh)					\$0.000016700

Table 59 - Wattsmart Business Program Level Cost-Effectiveness Results (Category 3)

Cost-Effectiveness Test	Levelized \$/kWh	Costs	Benefits	Net Benefits	Benefit/Cost Ratio
Total Resource Cost Test (PTRC) + Conversation Adder	\$0.0431	\$1,468,701	\$2,828,055	\$1,359,354	1.93
Total Resource Cost Test (TRC) No Adder	\$0.0431	\$1,468,701	\$2,570,959	\$1,102,258	1.75
Utility Cost Test (UCT)	\$0.0327	\$1,112,723	\$2,570,959	\$1,458,236	2.31
Rate Impact Test (RIM)		\$3,615,842	\$2,570,959	-\$1,044,882	0.71
Participant Cost Test (PCT)		\$975,920	\$3,553,656	\$2,577,736	3.64
Lifecycle Revenue Impacts (\$/kWh)					\$0.000007504



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Cu'r ctv'qh'vj g'vj kf/r ctv' 'r tqi tco 'gxcn'cvkqpu'*y q/{ gct'e{ eng+'r tqeguu.'vj g'Eqo r cp{ 'ku' ko r ngo gpv'kpi 'ugo k'cppwcn'ewuxgo gt'uwtxg{ u'vq'eqmgev'gxcn'cvkqp/tgrgxc'pv'f cvc'bo qtg'ht'gs wgpv'v'f "

vq'ewtghqt"o go qt { "hquucpf"qyj gt"fgtcevqtu"lwej "cu'ewuqo gtu"o qxlpi "cpf"fcv"pqv'dg'tgef knf " cxckrdng"cv'gxcnvcvqp"vko g+0Vj ku'y kn'ugt.xg"cu'c"hwvj gt"ej gen'xgthf kpi "ewuqo gt"r ctv'ekr cvkqp" cpf "o gcuwtgu'lpucnrgf 0"" ""

Cf fklqpcntgeqtf "tgxkgy u'cpf "ukg"lpur ge'vapu"lpenf kpi "o gvtkpi lf cv'ni i kpi +ku'eqpf wevgf "cu" r ctv'qh'yj g'r tqeguu'cpf "ko r cev'gxcnvcvapu."c"lpcn'xgthf cvkqp"qh'o gcuwtg'lpucnvcvapu0'



Appendix 4

Home Energy Savings Retailers
2014

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2014 Participating Wyoming Upstream Retailers

Retailer	City	CFLs
Ace Hardware - Baileys	Casper	√
Ace Hardware - Cazin's	Evanston	√
Ace Hardware #10776	Kemmerer	√
Ace Hardware #11263	Green River	√
Ace Hardware #8349	Rock Springs	√
Big Lots #4444	Casper	√
Dollar Tree #2891	Rock Springs	√
Dollar Tree #3288	Casper	√
Dollar Tree #3851	Casper	√
Family Dollar #5599	Rawlins	√
Family Dollar #5767	Mills	√
Family Dollar #6014	Green River	√
Family Dollar #6081	Casper	√
Family Dollar #8278	Rock Springs	√
Family Dollar #9163	Kemmerer	√
Family Dollar #9399	Pinedale	√
Habitat for Humanity ReStore #3	Mills	√
Home Depot #6001	Casper	√
Home Depot #6003	Rock Springs	√
Menards #3243	Casper	√
Ridley's #1153	Pinedale	√
Ridley's #1163	Kemmerer	√
Sam's Club #6425	Casper	√
Smith's #182	Rock Springs	√
Smith's #185	Casper	√
Smith's #187	Green River	√
Smith's #86	Evanston	√
Target #0164	Casper	√
Walgreens #09092	Rock Springs	√
Walgreens #7462	Casper	√
Walgreens #7601	Casper	√
Walmart #1456	Evanston	√
Walmart #1617	Casper	√
Walmart #3778	Casper	√

2014 Participating Wyoming Downstream Retailers

Retailer	City	Ceiling Fan	Clothes Washer	Dishwasher	Electric Water Heater	Evaporative Cooler	Fixture	Freezer	Refrigerator	Room Air Conditioner	No Redemptions in 2014
Ace Hardware - Cazin's	Evanston		√	√	√				√	√	
Best Buy #1527	Casper		√	√					√		
Brown's Western Appliance	Worland		√	√					√		
Cost Plus	Casper			√					√		
Gizmo's/Cost Plus Appliance	Cody										√
Home Depot #6001	Casper	√	√	√	√	√	√	√	√	√	
Home Depot #6003	Rock Springs		√	√	√	√	√	√	√	√	
John Paras Furniture & Appliance	Rock Springs		√	√					√		
Kmart #4736	Casper										√
Kmart #4837	Riverton										√
Kmart #7107	Rock Springs										√
Kmart #9792	Laramie										√
Kusel's Home Furnishings	Riverton								√		
Letz's TV and Appliance	Casper		√	√					√	√	
Menards #3243	Casper		√	√	√	√	√		√	√	
Meyer's Gambles	Lander		√	√				√	√		
Neilson's Furniture and Appliance	Kemmerer		√	√					√		
Radio Shack	Riverton										√
Rasmusson Furniture	Rawlins		√	√				√	√		
Sam's Club #6425	Casper								√	√	
Schofield's Appliance	Evanston		√	√					√		
Sears #1867	Laramie		√	√					√		
Sears #2341	Casper		√	√				√	√		
Sears #3018	Riverton		√	√				√	√		
Sears #3359	Cody		√	√				√	√		
Sears #3410	Sheridan		√	√				√	√		
Sears #3578	Rock Springs		√	√				√	√		
Sears #3911	Jackson		√						√		
Sutherlands #2219	Casper					√	√			√	
Wal-Mart - Supercenter #1412	Laramie										√
Wal-Mart - Supercenter #1457	Riverton								√		
Wal-Mart - Supercenter #1778	Cody										√

Retailer	City	Ceiling Fan	Clothes Washer	Dishwasher	Electric Water Heater	Evaporative Cooler	Fixture	Freezer	Refrigerator	Room Air Conditioner	No Redemptions in 2014
Walmart #1456	Evanston										√
Walmart #1461	Rock Springs										√
Walmart #1617	Casper										√
Walmart #3778	Casper										√

2014 Participating Wyoming Home Electronics Retailers

Retailer	City	Computer Monitor	Desktop Computer	Flat Panel Television	No Redemptions in 2014
Ace Hardware - Cazin's	Evanston			√	
Best Buy #1527	Casper	√	√	√	
Brown's Western Appliance	Worland				√
Cost Plus	Casper				√
Gizmo's/Cost Plus Appliance	Cody				√
Home Depot #6001	Casper				√
Home Depot #6003	Rock Springs				√
John Paras Furniture & Appliance	Rock Springs				√
Kmart #4736	Casper			√	
Kmart #4837	Riverton				√
KMart #7107	Rock Springs			√	
Kmart #9792	Laramie			√	
Kusel's Home Furnishings	Riverton				√
Letz's TV and Appliance	Casper			√	
Menards #3243	Casper			√	
Meyer's Gambles	Lander				√
Neilson's Furniture and Appliance	Kemmerer			√	
Radio Shack	Riverton			√	
Rasmusson Furniture	Rawlins			√	
Sam's Club #6425	Casper			√	
Schofield's Appliance	Evanston				√
Sears #1867	Laramie				√
Sears #2341	Casper			√	
Sears #3018	Riverton				√
Sears #3359	Cody				√
Sears #3410	Sheridan				√
Sears #3578	Rock Springs			√	
Sears #3911	Jackson				√
Sutherlands #2219	Casper				√
Wal-Mart - Supercenter #1412	Laramie			√	
Wal-Mart - Supercenter #1457	Riverton			√	
Wal-Mart - Supercenter #1778	Cody			√	

Retailer	City	Computer Monitor	Desktop Computer	Flat Panel Television	No Redemptions in 2014
Walmart #1456	Evanston			√	
Walmart #1461	Rock Springs			√	
Walmart #1617	Casper			√	
Walmart #3778	Casper			√	

2014 Participating Wyoming HVAC Trade Allies

Trade Ally Name	City	Central Air Conditioner (CAC) Equipment	CAC Best Practice Installation	CAC Proper Sizing	CAC Tune-up	Duct Sealing & Insulation	Evaporative Cooler	Heat Pump Conversion	Heat Pump Upgrade	Heat Pump, Ductless	HP Tune-up	No Redemptions in 2014
Alpine Heating & Air Conditioning	Idaho Falls											√
Casper Tin Shop	Casper	√		√				√		√		
Gary's Plumbing & Heating	Laramie											√

List of 2014 Participating Wyoming Weatherization Trade Allies

Trade Ally Name	City	Attic Insulation	Floor Insulation	Wall Insulation	Windows	No Redemptions in 2014
Casper Window and Door	Casper					√
F&R Insulation	Cody	√				
Insulation, Inc	Rock Springs	√				

Percentage of 2014 Wyoming Applications by Category

Customer City	% of All Applications	% of Appliance & Fixture Applications	% of Home Electronics Applications	% of HVAC Applications	% of Weatherization Applications
CASPER	31.27%	30.17%	30.57%	72.29%	22.00%
ROCK SPRINGS	15.30%	18.37%	11.80%	9.64%	16.00%
LARAMIE	9.59%	4.38%	16.15%	0.00%	18.00%
EVANSTON	7.40%	7.29%	8.28%	2.41%	2.00%
GREEN RIVER	6.13%	8.36%	3.28%	6.02%	8.00%
LANDER	3.45%	4.11%	2.95%	0.00%	2.00%
RAWLINS	3.24%	3.65%	2.95%	1.20%	0.00%
RIVERTON	2.78%	1.39%	4.34%	1.20%	8.00%
CODY	2.29%	1.46%	3.52%	0.00%	2.00%
DOUGLAS	2.19%	2.25%	2.21%	0.00%	2.00%
WORLAND	2.19%	3.51%	0.49%	0.00%	6.00%
EVANSVILLE	1.34%	1.06%	1.72%	1.20%	0.00%
GLENROCK	1.30%	1.26%	1.07%	4.82%	2.00%
KEMMERER	1.23%	1.72%	0.74%	0.00%	0.00%
THERMOPOLIS	1.13%	1.19%	1.07%	1.20%	0.00%
PINEDALE	0.95%	1.19%	0.66%	0.00%	2.00%
MILLS	0.92%	0.80%	1.23%	0.00%	0.00%
BAR NUNN	0.81%	0.80%	0.82%	0.00%	4.00%
BUFFALO	0.74%	0.80%	0.74%	0.00%	0.00%
GREYBULL	0.42%	0.46%	0.41%	0.00%	0.00%
BEAR RIVER	0.39%	0.46%	0.16%	0.00%	4.00%
BIG PINEY	0.39%	0.53%	0.25%	0.00%	0.00%
LOVELL	0.39%	0.33%	0.49%	0.00%	0.00%
POWELL	0.39%	0.07%	0.82%	0.00%	0.00%
HANNA	0.35%	0.27%	0.49%	0.00%	0.00%
MARBLETON	0.35%	0.46%	0.25%	0.00%	0.00%
BOULDER	0.32%	0.40%	0.25%	0.00%	0.00%
DANIEL	0.25%	0.40%	0.08%	0.00%	0.00%
DIAMONDVILLE	0.25%	0.27%	0.25%	0.00%	0.00%
COKEVILLE	0.21%	0.33%	0.00%	0.00%	2.00%
HUDSON	0.21%	0.27%	0.16%	0.00%	0.00%
LABARGE	0.21%	0.40%	0.00%	0.00%	0.00%
SINCLAIR	0.18%	0.20%	0.16%	0.00%	0.00%
ROLLING HILLS	0.14%	0.27%	0.00%	0.00%	0.00%

Customer City	% of All Applications	% of Appliance & Fixture Applications	% of Home Electronics Applications	% of HVAC Applications	% of Weatherization Applications
SHOSHONI	0.14%	0.13%	0.16%	0.00%	0.00%
BASIN	0.11%	0.13%	0.08%	0.00%	0.00%
BYRON	0.11%	0.07%	0.16%	0.00%	0.00%
GLENDO	0.11%	0.13%	0.08%	0.00%	0.00%
MIDWEST	0.11%	0.07%	0.16%	0.00%	0.00%
RELIANCE	0.11%	0.07%	0.16%	0.00%	0.00%
ATLANTIC CITY	0.07%	0.00%	0.16%	0.00%	0.00%
BAIROIL	0.07%	0.07%	0.08%	0.00%	0.00%
LINCH	0.07%	0.00%	0.16%	0.00%	0.00%
MANDERSON	0.07%	0.07%	0.08%	0.00%	0.00%
SUPERIOR	0.07%	0.13%	0.00%	0.00%	0.00%
CORA	0.04%	0.07%	0.00%	0.00%	0.00%
KIRBY	0.04%	0.00%	0.08%	0.00%	0.00%
MUDDY GAP	0.04%	0.07%	0.00%	0.00%	0.00%



Appendix 5

Energy Efficiency Alliance

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 2009, 2010, 2011, 2012 and/or 2013.

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: 157 - Date and Time: 05/14/2015 04:32:21 PM

Company Name	Specialties	Business Type	Join Date	Projects Completed
Crum Electric Supply - Gillette 901 Edwards St Gillette, WY - 82718 Phone: 307-682-7203 Website: crum.com	Lighting	Distributor	05/01/2009	Completed
Eagle Electric LLC 6713 W. Yellowstone Hwy Casper, WY - 82604 Phone: 307-266-4404	Lighting	Contractor	09/27/2012	2 Completed
Clark's Quality Roofing, Inc. 334 W. Anderson Avenue Salt Lake City, UT - 84107 Phone: 801-266-3575 Website: clarkroof.com	Building envelope	Contractor	09/19/2012	Completed
YESCO LLC - Young Electric Sign Co. - Salt Lake City, UT 1605 S. Gramercy Road Salt Lake City, UT - 84104 Phone: 801-464-6454 Website: www.yesco.com	Appliances Controls Lighting Motors and VFDs	Contractor Manufacturer - Rep	09/22/2012	62 Completed
Candle3 LLC 6385 Corporate Dr. Colorado Springs, CO - 80919 Phone: 719-930-9099 Website: www.candle3.com	Controls Lighting	Distributor Manufacturer - Rep	11/21/2014	Completed
Intermountain Electric Service, Inc. - Rock Springs 507 Mitchelson Rock Springs, WY - 82901 Phone: 307-362-1417 Website: intermountainelectric.com	HVAC - unitary Lighting Motors and VFDs	Contractor	02/01/2009	2 Completed
E2 Electrical Contractor, Inc. 1317 Edgar Street Rock Springs, WY - 82901 Phone: 307-705-7682	Lighting Motors and VFDs	Contractor	01/30/2013	Completed

Johnson Engineering Associates 110 Superior Court Laramie, WY - 82072 Phone: 307-721-2109	Specialties Lighting	Business Type Engineering Firm Other	Join Date 05/01/2009	Projects Completed 1
HD Supply Facilities Maintenance, Ltd. 10641 Scripps Summit Court San Diego, CA - 92131 Phone: 858-831-2231 Website: www.hdsupplysolutions.com	Specialties Appliances HVAC - evaporative HVAC - unitary	Business Type Distributor	Join Date 01/22/2014	Projects Completed 1
Heil Electric LLC 440 Buena Vista PO Box 952 Lander, WY - 82520 Phone: 307-332-5197	Specialties Lighting	Business Type Contractor	Join Date 03/11/2009	Projects Completed 3
Hedlund Electric, LLC 7929 W. Sims Creek Rd. Casper, WY - 82604 Phone: 307-333-4720	Specialties Lighting	Business Type Contractor	Join Date 09/16/2014	Projects Completed 3
C.D.'s Electric Inc 242 Aspen Hills Court Evanston, WY - 82930 Phone: 307-679-1734	Specialties Lighting	Business Type Contractor	Join Date 06/01/2009	Projects Completed 4
Pacheco Company LLC 3646 E. Summer Hill Salt Lake City, UT - 84121 Phone: 801-541-3375 Website: www.pachecoco.com	Specialties Lighting Other: Other Specialty	Business Type Contractor Distributor Manufacturer - Rep	Join Date 02/12/2015	Projects Completed 1
Green Creative LLC 533 Airport Blvd., Suite 212 Burlingame, CA - 94010 Phone: 866-774-5433 Website: www.gc-lighting.com	Specialties Lighting	Business Type Manufacturer - Rep	Join Date 06/25/2013	Projects Completed 1
Instrument Electric Service Inc 918 Pendell Blvd Mills, WY - 82644 Phone: 307-235-2009 Website: www.instrumentelectric.com	Specialties Controls Lighting Motors and VFDs Other: Other Specialty	Business Type Contractor Distributor Engineering Firm Other: UL panel Shop	Join Date 04/25/2013	Projects Completed 1
Jadeco Inc. P.O. Box 788 Thermopolis, WY - 82443 Phone: 307-864-2505 Website: jadecoelectric.com	Specialties Lighting	Business Type Contractor	Join Date 08/27/2009	Projects Completed 2
Electrical Solutions, LLC. 1502 Mill St. Laramie, WY - 82072 Phone: 307-742-7483	Specialties Lighting	Business Type Contractor	Join Date 04/11/2011	Projects Completed 6
Riverton Sheet Metal Works Inc 217 N 3rd E Riverton, WY - 82501 Phone: 307-856-3431	Specialties HVAC - unitary Motors and VFDs	Business Type Contractor	Join Date 01/01/2009	Projects Completed 1
Rocky Mountain Electric - Casper P.O. Box 50067 Casper, WY - 82605 Phone: 307-472-3336	Specialties Lighting	Business Type Contractor	Join Date 12/09/2009	Projects Completed 5
Denver Electrical Contractors 1855 W. Union Ave. Unit V Sheridan, CO - 80110 Phone: 303-432-8879 Website: www.denverelectrical.com	Specialties Lighting Motors and VFDs	Business Type Other: Electrical Design Build Engineering and Construction	Join Date 12/02/2013	Projects Completed 5

Energy Efficiency Alliance



<p>Royal Engineering, Inc.</p> <p>2335 S. State Street Suite 100, Provo, UT - 84606 Phone: 801-375-2228 Website: www.royaleng.com</p>	<p>Specialties Building envelope Controls HVAC - evaporative HVAC - unitary Lighting Motors and VFDs</p>	<p>Business Type Engineering Firm</p>	<p>Join Date 12/31/2014</p>	<p>Projects Completed Completed</p>
<p>AC Electric, LLC</p> <p>Box 991, 492 E South St. Powell, WY - 82435 Phone: 307-754-5872</p>	<p>Specialties Lighting</p>	<p>Business Type Contractor</p>	<p>Join Date 03/07/2014</p>	<p>Projects Completed Completed</p>
<p>Energy Efficient Lighting</p> <p>2228 Bryan Circle Salt Lake City, UT - 84108 Phone: 801-913-1965</p>	<p>Specialties Lighting</p>	<p>Business Type Distributor</p>	<p>Join Date 09/16/2013</p>	<p>Projects Completed 1</p>
<p>Harris Mechanical Intermountain</p> <p>1925 South Milestone Drive Suite E, Salt Lake City, UT - 84104 Phone: 801-433-2640 Website: www.hmcc.com</p>	<p>Specialties HVAC - evaporative HVAC - unitary</p>	<p>Business Type Contractor</p>	<p>Join Date 01/27/2014</p>	<p>Projects Completed Completed</p>
<p>LMS - Lighting Maintenance Service - Wyoming</p> <p>663 West 4330 South Salt Lake City, UT - 84123 Phone: 801-281-0400</p>	<p>Specialties Lighting</p>	<p>Business Type Other: Lighting Maintenance</p>	<p>Join Date 09/17/2014</p>	<p>Projects Completed 12</p>
<p>Trane*</p> <p>2817 S. 1030 W. Salt Lake City, UT - 84119 Phone: 801-486-0500 Website: www.trane.com</p>	<p>Specialties Controls HVAC - unitary Motors and VFDs</p>	<p>Business Type Distributor Manufacturer - Rep</p>	<p>Join Date 03/01/2005</p>	<p>Projects Completed Completed</p>
<p>Crum Electric Supply - Casper</p> <p>1165 English Avenue Casper, WY - 82601 Phone: 307-266-6278 Website: crum.com</p>	<p>Specialties Lighting</p>	<p>Business Type Distributor</p>	<p>Join Date 05/01/2009</p>	<p>Projects Completed 2</p>
<p>Crum Electric Supply - Cheyenne</p> <p>1010 Dunn Avenue South Cheyenne, WY - 82001 Phone: 307-778-8442 Website: www.crum.com</p>	<p>Specialties HVAC - unitary Lighting Motors and VFDs</p>	<p>Business Type Distributor</p>	<p>Join Date 05/01/2009</p>	<p>Projects Completed Completed</p>
<p>Bastion Technologies, LLC</p> <p>175 W 7065 S Midvale, UT - 84047 Phone: 800-328-6024 Website: www.bastiontech.com</p>	<p>Specialties Lighting</p>	<p>Business Type Distributor Manufacturer - Rep Other: consultant</p>	<p>Join Date 07/30/2014</p>	<p>Projects Completed 12</p>
<p>JM Electrical Services</p> <p>PO Box 2712 Rock Springs, WY - 82902 Phone: 307-382-5152</p>	<p>Specialties Lighting</p>	<p>Business Type Contractor</p>	<p>Join Date 09/22/2012</p>	<p>Projects Completed null</p>
<p>Intermountain Electric Service, Inc. - Big Piney</p> <p>P.O. Box 40 Big Piney, WY - 83113 Phone: 307-276-3049 Website: intermountainelectric.com</p>	<p>Specialties HVAC - unitary Lighting Motors and VFDs</p>	<p>Business Type Contractor</p>	<p>Join Date 03/03/2009</p>	<p>Projects Completed Completed</p>
<p>Casper Winlectric</p> <p>1743 East Yellowstone Hwy Casper, WY - 82601 Phone: 307-235-5222</p>	<p>Specialties Lighting</p>	<p>Business Type Distributor</p>	<p>Join Date 01/24/2013</p>	<p>Projects Completed Completed</p>

PVE, Inc 1040 North 2200 West, Suite 100 Salt Lake City, UT - 84107 Phone: 801-359-3158	Specialties Controls HVAC - evaporative HVAC - unitary Lighting Motors and VFDs	Business Type Engineering Firm	Join Date 07/29/2013	Projects Completed Completed
4 Dimensional Lighting, LLC* 940 Foster Rd. Casper, WY - 82601 Phone: 307-472-1965	Specialties Controls Food Service Lighting Motors and VFDs	Business Type Distributor Manufacturer - Rep	Join Date 01/26/2009	Projects Completed 204
Restaurant and Store Equipment Company 230 West 700 South Salt Lake City, UT - 84101 Phone: 801-364-1981 Website: rescosl.com	Specialties Appliances Food Service	Business Type Distributor	Join Date 10/15/2013	Projects Completed Completed
WESCO Distribution - Wyoming HC 70 500 Mainline Green River, WY - 82935 Phone: 307-875-4910 Website: wesco.com	Specialties HVAC - unitary Lighting Motors and VFDs	Business Type Distributor	Join Date 02/01/2009	Projects Completed 14
Primary Electric Inc. 2332 Cottonwood Laramie, WY - 82070 Phone: 307-742-7447	Specialties Lighting	Business Type Contractor	Join Date 01/26/2009	Projects Completed 5
Compressor - Pump & Service, Inc. 3333 W. 2400 S. Salt Lake City, UT - 84119 Phone: 801-973-0154 Website: www.compressor-pump.com	Specialties Compressed Air	Business Type Distributor	Join Date 10/21/2013	Projects Completed Completed
Mountain West Electrical Services, LLC P.O. Box 2102 208 Fayette Pole Creek Road, Pinedale, WY - 82941 Phone: 307-367-8400 Website: www.mwesllc.com	Specialties Compressed Air Controls Farm and Dairy Food Service HVAC - evaporative HVAC - unitary Irrigation Lighting Motors and VFDs Office Equipment Other: Other Specialty	Business Type Contractor	Join Date 03/26/2013	Projects Completed Completed
ESL Vision LLC P.O. Box 58565 Salt Lake City, UT - 84102 Phone: 801-415-5177 Website: www.eslvision.com	Specialties Controls Lighting	Business Type Distributor Manufacturer - Rep	Join Date 01/13/2013	Projects Completed Completed
JRC Inc. 3041 West 2100 South Salt Lake City, UT - 84119 Phone: 801-972-3970 Website: jrclight.com	Specialties Controls Lighting	Business Type Manufacturer - Rep Other	Join Date 06/18/2007	Projects Completed 12
Consolidated Electrical Distributors* - Logan, UT 636 N. 600 W. Logan, UT - 84321 Phone: 435-752-8905	Specialties Farm and Dairy Irrigation Lighting	Business Type Distributor	Join Date 03/26/2005	Projects Completed 58
TreeFrog LED, Inc. 7594 North Swansea Court Eagle Mountain, UT - 84005 Phone: 801-372-8720 Website: www.treefrogled.com	Specialties Lighting	Business Type Distributor	Join Date 07/29/2013	Projects Completed Completed

CCMS Lighting, Inc. 88 A Elm Street Hopkinton, MA - 01748 Phone: 508-435-5837 Website: ccmslighting.com	Specialties Lighting	Business Type Other	Join Date 05/01/2011	Projects Completed 7
Mark Clary 2302 West 8540 South West Jordan, UT - 84088 Phone: 801-233-0882	Specialties Lighting	Business Type Architect	Join Date 08/08/2013	Projects Completed 1
Fireside Plumbing, Heating & Electric P.O. Box 230 Evanston, WY - 82931 Phone: 307-789-6716 Website: www.firesidewyo.com	Specialties HVAC - evaporative HVAC - unitary Motors and VFDs	Business Type Contractor	Join Date 03/22/2013	Projects Completed 1
Process Systems International P.O. Box 6187 103N. 5th East, Riverton, WY - 82501 Phone: 307-856-4600 Website: www.prosystemsintl.com	Specialties Controls Lighting Motors and VFDs Office Equipment	Business Type Contractor	Join Date 11/12/2014	Projects Completed 2
H-C Design & Consulting P.O. Box 10545 Bozeman, MT - 59719 Phone: 406-522-7700	Specialties Food Service	Business Type Manufacturer - Rep	Join Date 07/01/2013	Projects Completed 1
Titan LED - North Logan 641 E 2200 N North Logan, UT - 84341 Phone: 801-784-8260 Website: www.titanled.net	Specialties Lighting	Business Type Manufacturer - Rep	Join Date 07/08/2014	Projects Completed 5
Castle Rock Electric P.O. Box 339 Green River , WY - 82935 Phone: 307-875-3012	Specialties Lighting	Business Type Contractor	Join Date 04/10/2010	Projects Completed 29
H & H Electric* 125 Highway 93 Douglas, WY - 82633 Phone: 307-358-1826	Specialties Lighting	Business Type Contractor	Join Date 08/24/2009	Projects Completed 4
Wind River Blasting LLC 3905 Spy Glass Circle Riverton, WY - 82501 Phone: 307-851-7440	Specialties Lighting	Business Type Other: consultant	Join Date 06/03/2014	Projects Completed 3
Custom Lighting Services, LLC 9901 South Prosperity Road West Jordan, UT - 84081 Phone: 801-569-9219 Website: www.blackandmcdonald.com	Specialties Controls Lighting	Business Type Contractor Engineering Firm	Join Date 11/01/2013	Projects Completed 1
Envision Electric, Inc. P.O. Box 2022 Casper, WY - 82602 Phone: 307-262-9990	Specialties Lighting	Business Type Contractor	Join Date 04/07/2009	Projects Completed 1
LONG Building Technologies, Inc. P.O. Box 51089 3534 Salt Creek Highway, Casper, WY - 82601 Phone: 307-265-5997 Website: www.long.com	Specialties Lighting	Business Type Distributor Manufacturer - Rep	Join Date 09/27/2012	Projects Completed 1

Energy Efficiency Alliance



YESCO- Young Electric Sign Company - Corporate SLC, UT 2401 Foothill Drive Salt Lake City, UT - 84109 Phone: 801-487-8481 Website: www.yesco.com	Specialties Lighting	Business Type Contractor	Join Date 06/02/2014	Projects Completed 8
Atlantic Electric, Inc. P.O. Box 51163 Casper, WY - 82605 Phone: 307-265-8658	Specialties Lighting	Business Type Contractor	Join Date 11/23/2009	Projects Completed 8
Crum Electric Supply - Rock Springs 800 Elk St Rock Springs, WY - 82901 Phone: 307-362-4415 Website: crum.com	Specialties Lighting	Business Type Distributor	Join Date 05/01/2009	Projects Completed 8
D&S Electrical 363 West Chubbuck Road Pocatello, ID - 83202 Phone: 208-731-3701	Specialties Lighting Motors and VFDs	Business Type Distributor	Join Date 12/01/2008	Projects Completed 43
Automation 8 Electronics, Inc. 111 Big Horn Rd. Casper, WY - 82601 Phone: 307-234-9311	Specialties Lighting	Business Type Contractor	Join Date 11/14/2012	Projects Completed 1
Optica Energy Management, LLC 1772 Ross Dr Ogden, UT - 84403 Phone: 888-442-4866 Website: www.opticaenergy.com	Specialties HVAC - unitary Lighting Motors and VFDs	Business Type Distributor Other: Energy Management Company	Join Date 04/11/2013	Projects Completed 11
Engineering System Solutions DBA ES2 4943 N 29 E Suite A Idaho Falls, ID - 83401 Phone: 208-552-9874 Website: www.es2eng.com	Specialties Appliances Building envelope Controls HVAC - evaporative HVAC - unitary Lighting Motors and VFDs	Business Type Engineering Firm	Join Date 05/08/2014	Projects Completed 1
Sprecher Electric* 128 N Center Casper, WY - 82601 Phone: 307-265-8135	Specialties Lighting	Business Type Contractor Distributor	Join Date 02/26/2009	Projects Completed 25
Eco Safe Lighting 4600 NW Camas Meadows Drive, Suite 210 Camas, WA - 98607 Phone: 360-567-1923 Website: http://www.est-lights.com/about-us/	Specialties Lighting	Business Type Distributor	Join Date 02/11/2013	Projects Completed 1
MARS Electric p.o. box 732 1664 wyoming ave, laramie, WY - 82073 Phone: 307-760-6943	Specialties Appliances Lighting	Business Type Contractor	Join Date 07/16/2013	Projects Completed 1
Wyoming Lighting Associates 130 S. Lincoln Casper, WY - 82601 Phone: 307-237-0693 Website: www.wyominglighting.com	Specialties Lighting	Business Type Manufacturer - Rep	Join Date 10/16/2012	Projects Completed 1
WHW Engineering Inc. 8619 Sandy Parkway #101 Sandy, UT - 84070 Phone: 801-466-4021	Specialties HVAC - evaporative HVAC - unitary Motors and VFDs	Business Type Engineering Firm	Join Date 02/23/2015	Projects Completed 1

Mountain West Mechanical 2336 W. 5200 S. Rexburg, ID - 83440 Phone: 208-356-0370 Website: www.mountainwestmechanical.com	Specialties HVAC - evaporative HVAC - unitary	Business Type Contractor	Join Date 03/17/2014	Projects Completed Completed
Precision-Paragon [P2] 23281 La Palma Ave Yorba Linda, CA - 92887 Phone: 714-386-5550 Website: www.p-2.com	Specialties Lighting	Business Type Manufacturer - Rep Other: Manufacturer	Join Date 03/13/2013	Projects Completed Completed
Valley Implement 213 West 8th North Preston, ID - 83263 Phone: 208-852-0430 Website: valley-implement.com	Specialties Controls Irrigation Motors and VFDs	Business Type Contractor	Join Date 12/05/2012	Projects Completed null
Crescent Electric Supply - Casper 535 N. Beverly Casper, WY - 82609 Phone: 307-235-5060	Specialties Lighting	Business Type Distributor	Join Date 09/12/2014	Projects Completed Completed
Rock Springs Winlectric 999 1/2 Elk St. Rock Springs, WY - 82901 Phone: 307-382-9150	Specialties Lighting	Business Type Distributor	Join Date 01/19/2009	Projects Completed Completed
Northwestern Electric* PO Box 2781 Casper, WY - 82602 Phone: 307-266-4206	Specialties Lighting	Business Type Contractor	Join Date 02/13/2009	Projects Completed 5
City Service Electric Co. Inc. 1919 E Yellowstone Hwy Casper, WY - 82602 Phone: 307-265-0659	Specialties Lighting	Business Type Contractor	Join Date 01/20/2009	Projects Completed 26
Casper Electric Inc 3150 E Yellowstone Hwy Casper, WY - 82609 Phone: 307-237-3003	Specialties Controls HVAC - evaporative HVAC - unitary Lighting Motors and VFDs	Business Type Contractor Engineering Firm	Join Date 01/01/2009	Projects Completed 33
Electrical Support Services LLC 1037 E 1400 N. Shelly, ID - 83274 Phone: 208-251-6022	Specialties Farm and Dairy Irrigation Lighting Motors and VFDs	Business Type Contractor	Join Date 03/12/2015	Projects Completed Completed
HD Supply Utilities 836 N Glenn Rd Casper, WY - 82604 Phone: 307-237-4719 Website: HDSupply.com	Specialties Lighting	Business Type Distributor	Join Date 12/01/2008	Projects Completed Completed
American Electric 4145 Almy Rd 105 Evanston, WY - 82930 Phone: 307-789-3130	Specialties Lighting	Business Type Contractor	Join Date 01/01/2009	Projects Completed 5
Utah Yamas Controls Inc.* 13526 S. 110 W. Draper, UT - 84020 Phone: 801-990-1950 Website: www.utahyamas.com	Specialties Building envelope Controls HVAC - evaporative HVAC - unitary Lighting Motors and VFDs Other: Other Specialty	Business Type Contractor Distributor Engineering Firm Manufacturer - Rep	Join Date 01/21/2013	Projects Completed Completed

Energy Efficiency Alliance



BKJ Holdings, LLC 3458 E Fairway Lane Spanish Fork, UT - 84660 Phone: 801-636-5969	Specialties Lighting	Business Type Distributor Manufacturer - Rep	Join Date 01/06/2015	Projects Completed 0
Crum Electric Supply - Evanston 231 Allegiance Cir Evanston, WY - 82930 Phone: 307-789-6120 Website: crum.com	Specialties HVAC - unitary Lighting Motors and VFDs	Business Type Distributor	Join Date 05/01/2009	Projects Completed 1
Network Consulting Services, inc. 563 West 500 South Suite 245, Bountiful, UT - 84010 Phone: 801-295-7555 Website: http://www.ncsi.us	Specialties Office Equipment	Business Type Architect Contractor Engineering Firm Manufacturer - Rep	Join Date 04/29/2013	Projects Completed 0
Boyle Electric Inc 707 Garfield ST Lander, WY - 82520 Phone: 307-332-8139 Website: boyleelectric.com	Specialties Motors and VFDs	Business Type Contractor	Join Date 02/01/2009	Projects Completed 1
Crum Electric Supply - Cody 3307 Bighorn Avenue Cody, WY - 82414 Phone: 307-527-5252 Website: www.crum.com	Specialties Lighting	Business Type Distributor	Join Date 05/01/2009	Projects Completed 0
Hatch Lighting 4133 N 45 E Idaho Falls, ID - 83401 Phone: 208-200-3000	Specialties Lighting	Business Type Distributor	Join Date 05/06/2014	Projects Completed 2
Cobb Electric LLC 903 Leah Douglas, WY - 82633 Phone: 307-351-0440	Specialties Lighting	Business Type Contractor	Join Date 01/01/2009	Projects Completed 5
Wyatt Electric* 490 Foster Cir Casper, WY - 82601 Phone: 307-262-1251	Specialties Lighting	Business Type Contractor	Join Date 05/01/2010	Projects Completed 44
Codale Electric Supply, Inc - Rock Springs 1718 Desora Dr Rock Springs, WY - 82901 Phone: 307-922-5000 Website: codale.com	Specialties Lighting	Business Type Distributor	Join Date 02/01/2009	Projects Completed 22
Electrical Marketing Solutions (DBA) EMS 2139 S West Temple Salt Lake City, UT - 84115 Phone: 801-869-1445 Website: http://emsreps.com/	Specialties Controls Lighting	Business Type Manufacturer - Rep	Join Date 12/31/2014	Projects Completed 0
Honeywell International 2371 S. Presidents Way Suite A Salt Lake City, UT - 84120 Phone: 801-978-7136 Website: honeywell.com	Specialties Controls HVAC - evaporative HVAC - unitary Motors and VFDs	Business Type Contractor Distributor Manufacturer - Rep	Join Date 05/01/2006	Projects Completed 0
Wheeler Electric 469 West 16th St. Idaho Falls, ID - 83402 Phone: 208-522-1906 Website: wheelerelectric.com	Specialties Building envelope Compressed Air Controls Farm and Dairy Food Service Lighting Motors and VFDs	Business Type Contractor	Join Date 01/01/2007	Projects Completed 5

RealWinWin, Inc. 1926 Arch Street, 4F Philadelphia, PA - 19103 Phone: 215-732-4480 x 349 Website: www.realwinwin.com	Specialties Appliances Building envelope Controls Food Service HVAC - evaporative HVAC - unitary Lighting Motors and VFDs Office Equipment	Business Type Other: Energy Efficiency Incentive Administration and Consultation	Join Date 10/14/2013	Projects Completed 6
Engineering Design Associates 1607 CY Avenue Suite 303, Casper, WY - 82604 Phone: 307-766-5033 Website: EDAengineering.com	Specialties Lighting	Business Type Engineering Firm	Join Date 03/10/2010	Projects Completed
Bar-T Electric, Inc. 488 W. North St. Powell, WY - 82435 Phone: 307-754-8480	Specialties Lighting	Business Type Contractor	Join Date 10/01/2011	Projects Completed 2
Colvin Engineering Associates, Inc. 244 W 300 N Suite 200, Salt Lake City, UT - 84103 Phone: 801-322-2400	Specialties Controls HVAC - evaporative HVAC - unitary Other: Other Specialty	Business Type Architect Engineering Firm	Join Date 04/29/2013	Projects Completed
Case, Lowe & Hart, Inc. 2484 Washington Blvd. Suite 510, Ogden, UT - 84401 Phone: 801-399-5821 Website: www.clhae.com	Specialties Building envelope Compressed Air Controls HVAC - evaporative HVAC - unitary Lighting Motors and VFDs	Business Type Architect Engineering Firm	Join Date 05/17/2013	Projects Completed
Amp Electric PO Box 1389 Riverton, WY - 82501 Phone: 307-463-7345	Specialties Lighting	Business Type Contractor	Join Date 11/01/2011	Projects Completed 9
Voltech Electric, Inc. Laramie, WY - Phone: 307-721-3938	Specialties Lighting	Business Type Contractor	Join Date 10/10/2010	Projects Completed
Loeb Lighting Services 1800 E 5th Ave Columbia, OH - 43219 Phone: 800-866-5616	Specialties Controls Lighting	Business Type Distributor	Join Date 03/16/2015	Projects Completed
Van Boerum & Frank Associates 330 South 300 East Salt Lake City, UT - 84111 Phone: 801-530-3148 Website: www.vbfa.com	Specialties Building envelope Controls HVAC - evaporative HVAC - unitary Lighting Motors and VFDs	Business Type Architect Engineering Firm Other	Join Date 01/01/2012	Projects Completed
Engineering Economics, Inc. 780 Simms Street Suite 210 Golden, CO - 80401 Phone: 800-869-6902	Specialties Building envelope Controls HVAC - evaporative HVAC - unitary	Business Type Engineering Firm	Join Date 01/20/2014	Projects Completed
Valley Implement 2570 N Main Logan, UT - 84341 Phone: 435-787-1586 Website: valley-implement.com	Specialties Controls Farm and Dairy Irrigation Motors and VFDs	Business Type Contractor	Join Date 12/05/2012	Projects Completed null

CTA	Specialties	Business Type	Join Date	Projects Completed
13 N. 23rd Street Billings, MT - 59101 Phone: 406-248-7455	Lighting	Architect	05/12/2009	3
Verismic Software Inc. 65 Enterprise Aliso Viejo, CA - 92656 Phone: 949-270-1903 x 4736 Website: www.verismic.com	Office Equipment Other: Other Specialty	Contractor Distributor Manufacturer - Rep Other	01/16/2013	Projects Completed
LOC Electric, Inc. P.O. Box 803 Green River, WY - 82935 Phone: 307-875-7311	Lighting	Contractor	02/04/2009	7
Frontier Electric P.O. Box 937 Pinedale, WY - 82941 Phone: 307-367-6434	Lighting	Contractor	03/01/2012	Projects Completed
Smart Building Solutions 2876 South 460 West Salt Lake City, UT - 84115 Phone: 801-733-6000 Website: www.intellivex.com	Building envelope Controls HVAC - evaporative HVAC - unitary Lighting Motors and VFDs Office Equipment Other: Other Specialty	Distributor Manufacturer - Rep	03/04/2015	Projects Completed
West Plains Engineering, Inc. 145 S Durbin Suite 205, Casper, WY - 82601 Phone: 307-234-9484 Website: www.westplainsengineering.com	Building envelope HVAC - evaporative HVAC - unitary Lighting Motors and VFDs Other: Other Specialty	Engineering Firm	04/08/2013	7 Projects Completed
Allred's Incorporated - Logan 642 North 1000 West Unit # 104 Logan, UT - 84321 Phone: 435-774-1200 Website: www.allreds.net	HVAC - unitary	Distributor	05/11/2011	Projects Completed
The Lighting Agency 2661 17th Street Denver, CO - 80211 Phone: 303-455-1012 Website: www.thelightingagency.com	Controls Lighting	Manufacturer - Rep	12/10/2014	Projects Completed
Nordic Lighting PO Box 2296 Casper, WY - 82602 Phone: 307-259-3943	Lighting	Distributor Other	07/24/2013	Projects Completed
JRW & Associates, PLLC 1152 Bond Ave Rexburg, ID - 83440 Phone: 208-359-2309	Building envelope	Architect	10/21/2013	Projects Completed
Ovation Engineering & Consulting 1113 N Victoria Way Salt Lake City, UT - 84116 Phone: 801-871-0900	Controls Lighting	Engineering Firm	12/08/2014	Projects Completed
Sika Sarnafil Incorporated* 2881 South 900 West Salt Lake City, UT - 84119 Phone: 801-575-8648 Website: usa.sarnafil.sika.com	Building envelope	Contractor	11/01/2011	Projects Completed

ITC Electrical Technologies 4630 E Magnolia St Casper, WY - 82604 Phone: 307-234-3544 Website: itcet.com	Specialties Lighting	Business Type Contractor	Join Date 04/07/2009	Projects Completed 2
Intermountain Electric Service , Inc. - Evanston 110 Commerce Dr Evanston, WY - 82930 Phone: 307-789-6500 Website: intermountainelectric.com	Specialties HVAC - unitary Lighting Motors and VFDs	Business Type Contractor	Join Date 02/01/2009	Projects Completed 2
New Fork Electric, Inc. P.O. Box 983 Big Piney, WY - 83113 Phone: 307-749-6792	Specialties Lighting	Business Type Contractor	Join Date 09/25/2012	Projects Completed 1
Homespun Electrical, LLC PO Box 1042 Lander, WY - 82520 Phone: 307-851-2079	Specialties Appliances Building envelope Compressed Air Controls HVAC - evaporative HVAC - unitary Lighting Motors and VFDs Office Equipment	Business Type Contractor	Join Date 02/27/2015	Projects Completed 2
Catalyst LED Lighting Solutions 2817 N 12th St Coeur d Alene, ID - 83815 Phone: 480-789-3773 Website: http://www.catalystleds.com	Specialties Lighting	Business Type Distributor Manufacturer - Rep	Join Date 05/01/2014	Projects Completed 2
Wired Electric 3741 Aspen Pl Casper, WY - 82604 Phone: 307-262-9523	Specialties Lighting	Business Type Contractor	Join Date 01/01/2012	Projects Completed 15
Chesbro Electric Inc 2651 4th Ave W Buffalo, WY - 82834 Phone: 307-684-8613 Website: http://www.chesbroelectricwindsolar.com/	Specialties Lighting	Business Type Contractor	Join Date 09/01/2009	Projects Completed 20
Anchor Electric, Inc.* PO Box 40046 Casper, WY - 82604 Phone: 307-234-8799	Specialties Lighting	Business Type Contractor	Join Date 02/13/2009	Projects Completed 23
Electric Service Company 615 SW Wyoming Blvd Mills, WY - 82644 Phone: 307-266-1000	Specialties Controls Lighting Motors and VFDs	Business Type Contractor	Join Date 03/17/2014	Projects Completed 2
Dealers Electrical Supply 928 N. Federal Riverton, WY - 82501 Phone: 307-856-1741 Website: dealers-electrical.com	Specialties Lighting	Business Type Distributor	Join Date 06/19/2012	Projects Completed 2
Grainger, Inc. 1110 Wilkins Cir Casper, WY - 82601 Phone: 307-577-5797 Website: www.grainger.com	Specialties Lighting	Business Type Distributor	Join Date 02/24/2014	Projects Completed 3

Intermountain Electric Service, Inc. - Riverton 701 S Federal Blvd Riverton, WY - 82501 Phone: 307-856-7321 Website: intermountainelectric.com	Specialties HVAC - unitary Lighting Motors and VFDs	Business Type Contractor	Join Date 02/01/2009	Projects Completed 7
Paradise Valley Electric Inc. 120 Paradise Valley Rd Riverton, WY - 82501 Phone: 307-856-9296	Specialties Lighting	Business Type Contractor	Join Date 03/03/2009	Projects Completed 5
LONG Buildings Technologies, Inc. - Wyoming 3534 Salt Creek Highway Casper, WY - 82601 Phone: 307-265-5997 Website: www.long.com	Specialties Lighting	Business Type Contractor	Join Date 01/19/2009	Projects Completed 1
Perfect Power Electric Inc. P.O. Box 201 Lander, WY - 82520 Phone: 307-332-7184	Specialties Lighting	Business Type Contractor	Join Date 07/09/2009	Projects Completed 3
Modern Electric Co.* 246 W. 1st Street Casper, WY - 82601 Phone: 307-266-1711 Website: modern-electric.com	Specialties Lighting	Business Type Contractor	Join Date 01/19/2009	Projects Completed 164
American Mechanical Systems Service, LLC 7530 South State Street Midvale, UT - 84047 Phone: 801-428-0400 Website: www.ams-ut.com	Specialties Controls HVAC - unitary Motors and VFDs	Business Type Contractor	Join Date 11/30/2012	Projects Completed 1
Childress Electric 1219 Dalsy St. Rawlins, WY - 82301 Phone: 307-328-3831	Specialties Lighting	Business Type Contractor	Join Date 09/25/2012	Projects Completed 6
Aspen Engineering and Environmental LLC 140 Aspen Circle Park City, UT - 84098 Phone: 435-565-1535 Website: www.a2e-llc.com	Specialties Building envelope Controls HVAC - evaporative HVAC - unitary Lighting Motors and VFDs	Business Type Engineering Firm	Join Date 03/18/2013	Projects Completed 1
Architectural Nexus, Inc. 2505 East Parleys Way Salt Lake City, UT - 84109 Phone: 801-924-5000 Website: www.archnexus.com	Specialties Appliances Building envelope Controls HVAC - evaporative HVAC - unitary Lighting Motors and VFDs Office Equipment	Business Type Architect	Join Date 08/18/2014	Projects Completed 1
ProTech Electric Inc 6651 White Rock Dr Casper, WY - 82604 Phone: 307-265-8045 Website: protechelectric.net	Specialties Lighting	Business Type Contractor	Join Date 01/01/2009	Projects Completed 19
Tobin Electric P.O. Box 51003 Casper, WY - 82605 Phone: 307-472-5268	Specialties Lighting	Business Type Contractor	Join Date 07/15/2009	Projects Completed 1

Summit Electric, LLC* 490 Foster Road Casper, WY - 82601 Phone: 307-577-1131	Specialties Lighting	Business Type Contractor Distributor	Join Date 02/01/2009	Projects Completed 14
Brosius Electric, LLC 912 Jersey Ave Lovel, WY - 82431 Phone: 307-250-1076	Specialties Lighting	Business Type Contractor	Join Date 01/31/2014	Projects Completed 1
Engineered Systems Assoc., Inc. 1355 E. Center Street Pocatello, ID - 83201 Phone: 208-233-0501	Specialties Controls HVAC - evaporative HVAC - unitary Motors and VFDs	Business Type Engineering Firm	Join Date 01/10/2014	Projects Completed 1
Washakie Electric Inc. Worland, WY - Phone: 307-347-4215	Specialties Lighting	Business Type Contractor	Join Date 07/23/2010	Projects Completed 1
DiVi Energy, LLC 191 North 290 West Lindon, UT - 84042 Phone: 801-243-1811	Specialties Lighting	Business Type Manufacturer - Rep Other	Join Date 01/23/2013	Projects Completed 60
Financial Energy Management, Inc. 4636 S. Broadway Englewood, CO - 80113 Phone: 303-562-7145 Website: www.financialenergy.com	Specialties Lighting	Business Type Contractor	Join Date 04/12/2013	Projects Completed 4
Electrical Dynamics, Inc 118 S 5th West Riverton, WY - 82501 Phone: 307-856-4677 Website: www.ediwyo.com	Specialties Lighting	Business Type Contractor	Join Date 06/04/2014	Projects Completed 19
Trident Electric LLC.* P.O. Box 1609 Laramie, WY - 82073 Phone: 307-399-6315	Specialties Controls Lighting Motors and VFDs	Business Type Contractor	Join Date 05/10/2010	Projects Completed 1
Cooper Lighting 1121 Highway 74 South Peachtree, GA - 30269 Phone: 770-486-3092 Website: www.cooperlighting.com	Specialties Controls Lighting	Business Type Manufacturer - Rep	Join Date 12/13/2012	Projects Completed 1
McKinstry Essention, LLC 112 N. Rubey Dr. Suite 200, Golden, CO - 80403 Phone: 435-632-8433 Website: www.mckinstry.com	Specialties Building envelope Compressed Air Controls HVAC - evaporative HVAC - unitary Irrigation Lighting Motors and VFDs Other: Other Specialty	Business Type Engineering Firm	Join Date 02/12/2014	Projects Completed 1
Arrow Electric Inc 1300 E Richards Douglas, WY - 82633 Phone: 307-358-2334 Website: arrowelectricinc.com	Specialties Lighting	Business Type Contractor	Join Date 08/01/2009	Projects Completed 1
Green Light National, LLC 1001 South 400 East Orem, UT - 84077 Phone: 801-722-8677 Website: www.greenlightnational.com	Specialties Lighting	Business Type Contractor Distributor	Join Date 02/18/2015	Projects Completed 24

Felt Lighting Inc. 1220 East 3300 South Salt Lake City, UT - 84106 Phone: 801-484-8571 Website: www.feltlighting.com	Specialties Controls Lighting	Business Type Distributor	Join Date 11/27/2013	Projects Completed 1
GE 664 East 1300 North Pleasant Grove, UT - 84062 Phone: 801-785-8838 Website: www.gelighting.com	Specialties Controls Lighting	Business Type Manufacturer - Rep	Join Date 09/04/2014	Projects Completed 1
Hussmann Corporation 1385 W 2200 St Salt Lake City, UT - 84119 Phone: 805-458-7615 Website: hussmann.com	Specialties Controls Food Service HVAC - evaporative HVAC - unitary Lighting Motors and VFDs	Business Type Manufacturer - Rep	Join Date 01/14/2015	Projects Completed 1
Graybar Electric - Billings MT 1465 Monad Road Billings, MT - 59102 Phone: 406-237-2569 Website: www.graybar.com	Specialties Lighting	Business Type Distributor	Join Date 01/17/2014	Projects Completed 1
Codale Electric Supply, Inc - Casper 3131 Wood Court Casper, WY - 82601 Phone: 702-261-8900 Website: www.codale.com	Specialties Lighting	Business Type Distributor	Join Date 06/27/2013	Projects Completed 1
American Electric Company, Inc. 78 West 13775 South, Suite 9 Draper, UT - 84020 Phone: 801-254-0782 Website: www.americanelectric.cc	Specialties Appliances Building envelope Controls Lighting Motors and VFDs Other: Other Specialty	Business Type Contractor	Join Date 04/06/2015	Projects Completed 1
Johnson Controls, Inc.* 2255 Technology Parkway West Valley City, UT - 84119 Phone: 801-946-4059	Specialties Controls HVAC - evaporative HVAC - unitary Motors and VFDs	Business Type Contractor Manufacturer - Rep	Join Date 06/01/2007	Projects Completed 1
Fremont Electric Inc.* 910 S Adams Laramie, WY - 82070 Phone: 307-721-4176	Specialties Lighting	Business Type Contractor	Join Date 01/26/2009	Projects Completed 23
Hoffman Electric* 217 E. Main Street Riverton, WY - 82501 Phone: 307-856-3408 Website: hoffmanelectric.net	Specialties Controls Lighting Motors and VFDs	Business Type Contractor	Join Date 04/10/2010	Projects Completed 22



Appendix 6

Wyoming Program Evaluations

Rocky Mountain Power

Wyoming 2014 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 2014 and the third party evaluator who completed the evaluation. Program evaluations are available for review at www.pacificorp.com/es/dsm/wyoming.html

Program	Years Evaluated	Evaluator
Home Energy Savings	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
Home Energy Savings Program Evaluation Recommendations

Evaluation Recommendations	Rocky Mountain Power Action Plan
Standardize the measure naming conventions across years and states to improve the ability to replicate and compare program data.	Program continuously strives to harmonize data and naming conventions; process is ongoing.
To further enhance the program administrator’s methodology for calculating and minimizing CFL leakage, review the confidence surrounding geocoded addresses to ensure that store locations are accurately mapped. Also, consider using Rocky Mountain Power’s actual service area territory boundary to refine the model (as opposed to identifying the service area territory boundary by ZIP codes).	The data used in the retail sales allocation tool, which is used to minimize leakage, is reviewed on a regular basis to ensure accurate mapping of store locations and utility service territory.
Review options for how best to understand and track the impact of EISA for 60- and 40- watt bulbs in 2014. Some states have allowed utilities to	The program continues to monitor bulbs sales to understand trends in the market.

Evaluation Recommendations	Rocky Mountain Power Action Plan
<p>stagger changing the baseline for bulbs impacted by EISA. Specific knowledge of bulb stocking practices (or sales) in Rocky Mountain service territory could help make a case to stagger the 2013 and 2014 baselines impacted by EISA.</p>	
<p>In order to reduce the number of rejected applications, incorporate as many of the best practices stated in Appendix M into the HES incentive forms as deemed cost-effective. Cadmus suggests prioritizing the following:</p> <ul style="list-style-type: none"> ○ Keep the incentive form length to a minimum. ○ Encourage trade allies to fill out the paperwork through training or bonuses to decrease the number of rejected applications. ○ Utilize a paperless application process for all incentive applications. 	<p>Paperless online incentive applications are available for all appliance measures. Paper based incentive applications have been revised and are now shorter. Training trade allies on filling out paperwork correctly is ongoing.</p>



Appendix 7

Communications, Outreach, and Education

Rocky Mountain Power

Communications, Outreach, and Education

Links to 2014 Advertisements

Television

30s

- [Wattsmart, Wyoming - appliances](#)
- [Wattsmart, Wyoming - 68 degrees](#)
- [Wattsmart, Wyoming - caulk](#)
- [Wattsmart, Wyoming - insulation](#)
- [See ya later, refrigerator](#)

Radio

- [Wattsmart, Wyoming - Festival](#)
- [Wattsmart, Wyoming - Good Place](#)
- [Be wattsmart](#)
- [Wattsmart, Wyoming – non-seasonal](#)
- [Dream Business is an energy-efficient business in Wyoming not Hawaii](#)
- [Dream Business is an energy-efficient business in Wyoming, not Alaska](#)
- [Dream Business is an energy-efficient business in Wyoming, not Switzerland.](#)

Newspaper

- [Wattsmart, Wyoming 68 degrees](#)
- [Wattsmart, Wyoming - lights off/horse barn](#)
- [Wattsmart, Wyoming - caulking capitol](#)
- [Business Thank You ad](#)
- [Univ. of Wyoming case study ad](#)
- [Irrigation/farm ad](#)
- [Wyoming Medical Center case study ad](#)
- [Wyoming Business magazine ad](#) features Mountain Cement in Laramie

Direct Mail and Eblasts

- [See ya later, refrigerator](#)
- [Spring lighting eblast](#)
- [HVAC May 13, 2014 eblast](#)
- [Building Envelope August 2014 eblast](#)
- [Heating December 2014](#)
- [Irrigation customer letter](#)
- [Irrigation application](#)

wattsmart Residential Program Trade Ally Logo



wattsmart Business Vendor Trade Ally Logo



Outdoor

- [Chills and bills](#)
- [Welcome to Wattsmart](#)

Inserts

- [Voices Newsletter – January 2014 – Tame your winter costs](#)
- [Voices Newsletter – March 2014 – Refresh your home and save](#)
- [Voices Newsletter – April 2014 – Fridge recycling](#)
- [wattsup insert \(May\) - The right place for summer savings](#)
- [Voices Newsletter – July 2014 - Save on cooling off](#)
- [Voices Newsletter – September 2014 - fridge recycling/insulation](#)
- [wattsup insert \(October\)](#)
- [Voices Newsletter – November 2014 - Insulation](#)
- [Bill envelope- March 2014](#)
- [Bill envelope – October 2014](#)
- [Insulation incentives – February 2014](#)
- [See ya later, refrigerator – August 2014](#)
- [Insulation incentives – September 2014](#)

Collateral

- [Winter wattsmart handout](#)
- [wattsmart homebuyer checklist](#)
- [Summer wattsmart handout](#)

Digital

- [Weatherbug](#)
- [Wattsmart Wyoming - powerstrip](#) 300 x 250 animated
- [Wattsmart Wyoming - powerstrip](#) 728 x 90 animated
- [Wattsmart Wyoming - powerstrip](#) 890 x 765 static
- [Wattsmart Wyoming - lights](#) 300 x 250 animated
- [Wattsmart Wyoming - lights](#) 728 x 90 animated
- [Wattsmart Wyoming - lights](#) 890 x 765 static
- [Wattsmart Wyoming - electronics](#) 890 x 765 static
- [Wattsmart, Wyoming - turn off electronics \(static, 300x250\)](#)
- [Wattsmart, Wyoming - turn off electronics \(animated, 300x250\)](#)
- [See ya later, refrigerator \(animated 300x600\)](#)
- [See ya later, refrigerator \(animated 728x90\)](#)

[Business energy efficiency programs](#)

- [Leaderboard 468x60](#)
- [160x600 \(static\)](#)
- [600x160 \(animated\)](#)
- [300x600 \(static\)](#)
- [300x600 \(animated\)](#)