Idaho Energy Efficiency and Peak Reduction Annual Report

January 1, 2016 – December 31, 2016

Issued May 1, 2017

ROCKY MOUNTAIN POWER

Let's turn the answers on.

1912–2012 100 Years

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List of Abbreviations and Acronyms

CFL	Compact Fluorescent Lighting
CAPAI	Community Action Partnership Association of Idaho
DSM	Demand-Side Management
EICAP	Eastern Idaho Community Action Plan
GWh	Gigawatt-hour
HVAC	Heating, Ventilation and Air Conditioning
IDHW	Idaho Department of Health and Welfare
IRP	Integrated Resource Plan
kWh	Kilowatt hour
LED	Light-emitting Diode
LIHEAP	Low Income Home Energy Assistance
MW	Megawatt
PCT	Participant Cost Test
PTRC	PacifiCorp Total Resource Cost Test with 10 percent adder
RIM	Ratepayer Impact Measure Test
SEICAA	South Eastern Idaho Community Action Agency
TRC	Total Resource Cost Test
UCT	Utility Cost Test
VFD	Variable Frequency Drive

EXECUTIVE SUMMARY

PacifiCorp dba Rocky Mountain Power ("Company") is a multi-jurisdictional electric utility providing retail service to customers in California, Idaho, Oregon, Utah, Washington, and Wyoming. Rocky Mountain Power serves approximately 75,000 customers in southeastern Idaho.

The Company, working in partnership with its retail customers and with the approval of the Idaho Public Utilities Commission ("Commission"), acquires energy efficiency and peak reduction resources as cost-effective alternatives to the acquisition of supply-side resources. These resources assist the Company in efficiently addressing load growth and contribute to the Company's ability to meet system peak requirements. Company energy efficiency and peak reduction programs provide participating Idaho customers with tools that enable them to reduce or assist in the management of their energy usage while reducing the overall costs to the Company's customers. These resources are relied upon in resource planning as a least cost alternative to supply-side resources.

This report provides details on program results, activities, expenditures, and the current status of the demand-side management ("DSM") Tariff Rider, Customer Efficiency Service Charge - Schedule 191 ("Schedule 191") for the reporting period from January 1, 2016, through December 31, 2016. The Company, on behalf of its customers, invested $4.5 million in energy efficiency resource acquisitions during the reporting period. The investment yielded approximately 21.6 gigawatt-hours ("GWh") in first year savings[1] and approximately 4.2 megawatts ("MW") of capacity reduction from energy efficiency.[2] Net benefits based on the projected value of the energy efficiency program savings over the life of the individual measures are estimated at $5.5 million.[3]

Overall, portfolio savings increased by 24 percent from 2015 levels, from 15.7 GWh compared to the acquisition of 19.5 GWh in 2016. Total portfolio expenditures increased by six percent from $4.2 million in 2015 to $4.5 million in 2016.

The Commission ordered that the costs for the Idaho Irrigation Load Control Program should be system allocated. Therefore, these costs are not recovered through Schedule 191. However, additional information on the Irrigation Load Control Program is provided later in this report.

The energy efficiency portfolio was cost effective based on four of five standard cost effectiveness tests for the reporting period. The ratepayer impact measure test was less than 1.0, indicating near-term upward pressure was placed on the price per kilowatt-hour given a reduction in sales. Table 1 provides the cost effectiveness of the energy efficiency portfolio.

[1] Reported savings at the generator. For line losses, see footnote 19.
[2] See Planning Section for explanation on how the capacity contribution savings values are calculated.
[3] See Table 1 – Utility Cost Test Net Benefits.

Table 1
Cost Effectiveness Energy Efficiency Portfolio (includes non-energy benefits)

Benefit/Cost Test	Benefit/Cost Ratio	Net Benefits
PacifiCorp Total Resource Cost Test plus 10 percent ("PTRC")[4]	1.75	$5,150,990
Total Resource Cost Test ("TRC")[5]	1.59	$4,090,471
Utility Cost Test ("UCT")[6]	2.22	$5,468,662
Participant Cost Test ("PCT")[7]	3.29	$12,070,986
Ratepayer Impact Test ("RIM")[8]	0.58	($7,157,327)

Portfolio-level cost effectiveness includes portfolio costs such as the Potential Assessment and DSM system database. Sector-level cost effectiveness, reported in the Residential and Non-Residential sections of this document, includes sector-specific EM&V (evaluation, measurement and verification) expenditures. The Company includes quantifiable non-energy benefits at the portfolio and residential level, as well as the Home Energy Saver and Low Income Weatherization program level. Appendix 1 provides 2016 cost effectiveness performance.

The Company, working with its third-party delivery administrators[9] collaborates with the following number of retailers, contractors, and vendors in the delivery of its energy efficiency programs in the state of Idaho. Table 2 shows the number of retailers, contractors and vendors by measure type.

Table 2
Energy Efficiency Infrastructure

Sector	Type	No.
Residential	Lighting Mid/Upstream Retailers	22
	Downstream Retailers	23
	HVAC Trade Allies	10
	Manufactured Homes Trade Allies	1
	Weatherization Trade Allies	14
Commercial and Industrial	Lighting Trade Allies	75
	HVAC Trade Allies	50
	Motors & VFD Trade Allies	54

[4] The PTRC plus 10 percent includes a benefit adder to account for non-quantified environmental and non-energy benefits of conservation resources over supply-side alternatives.
[5] The TRC compares the total cost of a supply-side resource to the total cost of energy efficiency resources, including costs paid by the customer in excess of the program incentives. The test is used to determine if an energy efficiency program is cost effective from a total cost perspective.
[6] The UCT compares the total cost incurred by the utility to the benefits associated with displacing or deferring supply-side resources.
[7] The PCT compares the resource paid directly by participants to the savings realized by the participants.
[8] The RIM examines the impact of energy efficiency on utility rates. Unlike supply-side investments, energy efficiency programs reduce energy sales. Reduced energy sales lowers revenues putting upward pressure on rates as the remaining fixed costs are spread over fewer kilowatt-hours.
[9] See program specific sections for backgrounds on third-party administrators.

REGULATORY ACTIVITIES

During the 2016 reporting period the Company filed a number of compliance and/or informational reports, updates, notices, and requests with the Commission in support of Company DSM programs. The following is a list of those activities:

- On January 19, 2016, the Company filed Advice No. 16-02 requesting approval to make changes to the Low Income Weatherization Program, administered through Electric Service Schedule 21. Key changes included 1) increasing income eligibility to 200 percent of federal poverty guidelines, 2) adding smart thermostats and light emitting diodes/fixtures as new offerings, 3) removing compact fluorescent lights as an eligible offering, and 4) other minor updates to the program. The requested modifications went into effect March 1, 2016 pursuant to the consent agenda approval at the decision meeting held February 29, 2016.

- On January 19, 2016, the Company filed to adjust the Electric Service Schedule 191 rate from 2.1 percent to 2.7 percent. The requested rate adjustment went into effect April 1, 2016 pursuant to Order No. 33491 issued March 31, 2016.

- On January 27, 2016, the Company filed to cancel the See ya later, Refrigerator program administered through Electric Service Schedule 117. The Commission approved the cancelation pursuant to Order No. 33497, effective March 1, 2016.

- On March 30, 2016, consistent with the flexible tariff process[10] for the wattsmart Business program approved in Order No. 32594, a notice of changes to the program was posted on the program website[11] 45 days prior to going into effect May 14, 2016. Key changes included lowering lighting incentives.

- On April 28, 2016, pursuant to Order No. 29976, the Company submitted its 2015 Idaho Energy Efficiency and Peak Reduction Annual Report.

- On October 11, 2016, the Company filed an application in Case No. PAC-E-16-14 requesting an order designating the Company's DSM expenses in the amount of $7.4m as prudently incurred for 2014 and 2015 program years.

- On November 7, 2016, consistent with the flexible tariff process for the wattsmart Business program approved in Order No. 32594, a notice of changes to the program was posted on the program website 45 days prior to going into effect December 22, 2016. Key changes included restructuring the enhanced offering for small business lighting into a small business direct install offering.

[10] See Direct Testimony of Nancy Goddard pp. 16-18 and Attachment C in Case No. PAC-E-12-10.
[11] https://www.rockymountainpower.net/bus/se/idaho.html

- On December 5, 2016, the Company circulated its 2017 Communications Plan to Commission Staff for informational purposes.

Meetings with Idaho Public Utilities Commission Staff ("Idaho Staff")

The Company consulted with Idaho Staff throughout 2016, with formal presentations on the following matters:

October 25, 2016

- Discussed the Company's 2015 Idaho Energy Efficiency and Peak Reduction Annual Report;
- Provided an overview of the Company's Application for prudency review of DSM expenditures incurred for 2014-2015 program years;
- Reviewed results from program evaluations for the 2013-2014 Refrigerator Recycling and Home Energy Savings programs;
- Reviewed results from the most recent Class 2 DSM Decrement Study;
- Reviewed year-to-date DSM activity for 2016;
- Discussed the 2017 Idaho Strategic Plan including forecast savings and program strategies; and
- Discussed upcoming changes to the wattsmart Business Program to be implemented through the 45-day flexible tariff process.

DSM EXPENDITURES

In Case Number PAC-E-05-10, approved in Order No. 29976, the Commission allowed the recovery of all DSM program costs through Schedule 191, with exception of the expenses associated with the Irrigation Load Control Program.[12] Schedule 191 charges appear as a line item on customer bills. The Company books eligible DSM program costs as incurred to the balancing account.

Schedule 191 balancing account activity for 2016 is outlined in Table 3.

Table 3
Schedule 191 Balancing Account Activity

Month	Monthly Program Costs - Fixed Assets	Monthly Net Accrued Costs	Rate Recovery	Carrying Charge	Accrual Basis Accumulated Balance	Cash Basis Accumulated Balance
Dec-15					$ 406,931	$ 714,687
Jan-16	$ 308,498	$ 84,114	$ (278,963)	$ 351	$ 436,817	$ 828,687
Feb-16	$ 293,643	$ (70,820)	$ (254,385)	$ 380	$ 476,455	$ 797,505
Mar-16	$ 289,163	$ 29,079	$ (222,879)	$ 425	$ 543,164	$ 893,294
Apr-16	$ 276,899	$ 62,898	$ (234,788)	$ 470	$ 585,746	$ 998,773
May-16	$ 332,717	$ 41,954	$ (353,553)	$ 479	$ 565,388	$ 1,020,369
Jun-16	$ 555,407	$ (4,901)	$ (556,401)	$ 471	$ 564,865	$ 1,014,945
Jul-16	$ 505,544	$ (112,406)	$ (847,814)	$ 328	$ 222,924	$ 560,597
Aug-16	$ 369,282	$ (2,598)	$ (710,166)	$ 44	$ (117,916)	$ 217,160
Sep-16	$ 367,845	$ (62,385)	$ (538,824)	$ (170)	$ (289,065)	$ (16,374)
Oct-16	$ 267,111	$ 22,633	$ (358,513)	$ (279)	$ (380,746)	$ (85,422)
Nov-16	$ 281,838	$ 55,020	$ (298,604)	$ (324)	$ (397,836)	$ (47,492)
Dec-16	$ 661,452	$ (78,557)	$ (340,263)	$ (198)	$ (76,845)	$ 194,942
2016 Totals	**$ 4,509,400**	**$ (35,969)**	**$ (4,995,153)**	**$ 1,977**		

Column Explanations:

Monthly Program Costs: Monthly expenditures for all energy efficiency program activities.
Monthly Net Accrued Costs: Monthly net change of program costs incurred during the period not yet posted.
Rate Recovery: Revenue collected through Schedule 191.
Carrying Charge: Monthly "interest" charge based on "Cash Basis Accumulated Balance" of the account. The current "interest rate" for the Accumulated Balance is 1 percent per year.
Cash Basis Accumulated Balance: A running total of account activities. A negative accumulative balance means cumulative revenue exceeds cumulative expenditures; positive accumulative balance means cumulative expenditures exceed cumulative revenue.
Accrual Basis Accumulative Balance: Current balance of account including accrued costs.

[12] Commission Order No. 32196 in Case No. PAC-E-10-07 ruled that costs associated with the Idaho Irrigation Load Control Program should be system allocated and not situs assigned to Idaho customers. The Commission recommended the Company treat the benefits of the program as a system resource for cost recovery purposes.

PLANNING PROCESS

Integrated Resource Plan

The Company develops a biennial integrated resource plan ("IRP") as a means of balancing cost, risk, uncertainty, supply reliability/deliverability and long-run public policy goals.[13] The plan presents a framework of future actions to ensure the Company continues to provide reliable, reasonable-cost service with manageable risks to the Company's customers. Energy efficiency and peak management opportunities are incorporated into the IRP based on their availability, characteristics and costs.

Energy efficiency and peak management resources are divided into four general classes:

- Class 1 DSM (resources from fully dispatchable or scheduled firm capacity product offerings/programs) – Capacity savings occur as a result of active Company control or advanced scheduling. After customers agree to participate, the timing and persistence of the load reduction are dispatched within the agreed limits and parameters.
- Class 2 DSM (resources from non-dispatchable, firm energy and capacity product offerings/programs) – Sustainable energy and related capacity savings are achieved through facilitation of technological advancements in equipment, appliances, lighting and structures or repeatable and predictable voluntary actions by customers to manage the energy use at their facility or home, also commonly referred to as energy efficiency resources.
- Class 3 DSM (resources from price responsive energy and capacity product offerings/programs) – Short-duration energy and capacity savings from actions taken by customers voluntarily based on pricing incentives or signals.
- Class 4 DSM (resources from non-incented behavioral-based savings achieved through broad energy education and communication efforts) – Energy and/or capacity reduction typically achieved from voluntary actions taken by customers to reduce costs or benefit the environment through education, communication and/or public pleas.

Class, 1, 2 and 3 DSM resources are included as resource options in the resource planning process. Class 4 DSM actions are not considered explicitly in the resource planning process, however, the impacts are captured naturally in long-term load growth patterns and forecasts.

As technical support for the IRP, a third-party demand-side resource potential assessment (Potentials Assessment) is conducted to estimate the magnitude, timing and cost of energy efficiency and peak management resources.[14] The main focus of the Potentials Assessment is on resources with sufficient reliability characteristics that are anticipated to be technically feasible and assumed achievable during the IRP's 20-year planning horizon. The estimated achievable energy efficiency potential identified in the 2015 Potentials Assessment for Idaho is 468 gigawatt

[13] Information on the Company's integrated resource planning process can be found at the following address: http://www.pacificorp.com/es/irp.html

[14] PacifiCorp Demand-Side Resource Potential Assessment for 2015-2034: http://www.pacificorp.com/es/dsm.html.

hours (GWh) by 2034, or 20 percent of projected baseline loads.[15] By definition this is the energy efficiency potential that may be achievable to acquire during the 20-year planning horizon; prior to screening for cost-effectiveness through the Company's integrated resource planning process.

The achievable technical potential of Class 2 (energy efficiency) resources for Idaho by sector is shown in Table 4. The 2015 Potentials Assessment indicates that approximately 4 percent of the achievable technical potential for the Company, excluding Oregon,[16] is available within its Idaho service area.[17]

Table 4
Idaho Energy Efficiency Achievable Technical Potential by Sector

Sector	Cumulative GWh in 2034	Percent of Baseline Sales
Residential	184	21%
Commercial	195	29%
Industrial	33	12%
Irrigation	54	10%
Street Lighting	1	34%

Demand-side resources vary in their reliability, load reduction and persistence over time. Based on the significant number of measures and resource options reviewed and evaluated in the Potentials Assessment, it is impractical to incorporate each as a stand-alone resource in the IRP. To address this issue, Class 2 DSM measures and Class 1 DSM programs are bundled by cost for modeling against competing supply-side resource options reducing the number of discrete resource options the IRP must consider to a more manageable number.

The Company evaluates program implementation cost-effectiveness (both prospectively and retrospectively) under a variety of tests to identify the relative impact and/or value (e.g. near-term rate impact, program value to participants, etc.) to customers and the Company.

Estimated Peak Contributions

The reported capacity reduction of 21.6 MW (at generation) for energy efficiency programs during 2016 represents the estimated MW impact of the energy efficiency portfolio during PacifiCorp's system peak period. An energy-to-capacity conversion factor developed from Class 2 DSM selections in the 2015 IRP is used to translate 2016 energy savings to estimated demand reduction during the system peak. The utilization of this factor in the MW calculation assumes that the energy efficiency resources acquired through the Company's programs have the same average load profile as those energy efficiency resources selected in the 2015 IRP. Utilization of this factor in

[15] Ibid, Volume 2, page 4-2.
[16] Oregon energy efficiency potentials assessments are performed by the Energy Trust of Oregon.
[17] Volume 1, Page 4-2, PacifiCorp Demand-Side Resource Potential Assessment for 2015-2034.

determining the MW contribution of energy efficiency programs for 2016 is detailed in Table 5 below.

Table 5
Estimated Peak Contribution

Description	Value
First year energy efficiency program MWh savings acquired during 2016	21,551
Conversion factor: Coincident MW/MWh	0.000196
Estimated coincident peak MW contribution of 2016 Idaho energy efficiency acquisitions	4.23

ENERGY EFFICIENCY PROGRAMS

Energy efficiency programs are offered to all major customer sectors: residential, commercial, industrial and agricultural. The overall energy efficiency portfolio included five programs: *Home Energy Saver* – Schedule 118, *Residential Refrigerator Recycling* – Schedule 117, *Low Income Weatherization* – Schedule 21, *Home Energy Reports, and wattsmart Business* – Schedule 140. Program savings and cost results for 2016 are provided in Table 6 below[18].

Table 6
Idaho Program Results for January 1, 2016 – December 31, 2016[19]

Program	kWh/Yr Savings (at site)	kWh/Yr Savings (at generator)	Program Expenditures
Low Income Weatherization	140,069	156,129	$ 247,333
Refrigerator Recycling	5,121	5,708	$ 2,153
Home Energy Reporting	3,422,891	3,815,360	$ 126,140
Home Energy Saver	1,694,153	1,888,405	$ 598,378
Total Residential	**5,262,234**	**5,865,602**	**$ 974,004**
wattsmart Business	**14,187,885**	**15,685,790**	**$ 2,940,398**
Total Energy Efficiency	**19,450,119**	**21,551,392**	**$ 3,914,402**
Commercial & Industrial Evaluation Costs			$ 214,647
Residential Evaluation Costs			$ 149,526
Low Income Energy Conservation Education			$ 25,000
Outreach & Communications - WSB			$ 126,990
Potential Study			$ 55,406
Technical Reference Library			$ 4,798
DSM Central			$ 9,563
Total System benefit Expenditures - All Programs			**$ 4,500,332**

See Appendix 2 for breakdown of program expenditures by category.

[18]Active Idaho energy efficiency measures are reported in Appendix 6.
[19] The values at generation include line losses between the customer site and the generation source. The Company's line losses by sector for 2016 are 11.47 percent for residential, 10.75 percent for commercial, 7.52 percent for industrial and 11.45 percent for irrigation.

RESIDENTIAL PROGRAMS

The residential energy efficiency portfolio is comprised of four programs: *Home Energy Saver*, *Home Energy Reports, Residential Refrigerator Recycling*, and *Low Income Weatherization.* As shown in Table 7, the residential portfolio was cost effective based on four of the five standard cost effectiveness tests for the 2016 reporting period. The ratepayer impact test was less than 1.0 indicating that there is near term upward pressure placed on the price per kilowatt-hour given a reduction in sales.

Table 7
Cost Effectiveness for Residential Portfolio (Including Non-Energy Benefits)

Benefit/Cost Test	Benefit/Cost Ratio	Net Benefits
PTRC	2.11	$1,416,271
TRC	1.95	$1,204,690
UCT	1.29	$331,089
PCT	7.28	$2,562,448
RIM	0.47	($1,637,965)

Total Residential savings decreased by 35 percent when compared to 2015 performance, from 8,137,029 kWh in 2015 to 5,262,234 kWh in 2016. The decrease was led by a significant reduction in CFL lighting for the Home Energy Saver program, and the elimination of the Residential Refrigerator Recycling program. Information related to individual program performance, program management and program infrastructure is provided on the following pages.

HOME ENERGY SAVER PROGRAM

The *Home Energy Saver* program provides incentives for more efficient products and services installed or received by customers in new or existing homes, multi-family housing units or manufactured homes for residential customers under Electric Service Schedules 1 or 36. Landlords who own property where the tenant is billed under Electric Service Schedules 1 or 36 also qualify for the program. Program participation by measure category is provided in Table 8.

Table 8
Eligible Program Measures (Units)

Measure Category	kWh/Yr Savings (@ Site)	Total Incentive	Total Quantity
Appliances	13,408	$ 5,810	91
Building Shell	31,661	$ 14,827	31,445 (sq. ft)
Energy Kits	190,048	$ 9,798	415
HVAC	874,184	$ 120,202	292
Lighting	573,340	$ 38,768	31,848
Whole Home	11,511	$ 4,500	3
Grand Total	**1,694,153**	**$ 193,904**	**64,094**

The program was cost effective as shown in Table 9.

Table 9
Cost Effectiveness for Home Energy Saver Program (includes non-energy benefits)

Benefit/Cost Test	Benefit/Cost Ratio	Net Benefits
PTRC	3.07	$1,496,483
TRC	2.84	$1,324,237
UCT	1.82	$487,893
PCT	5.28	$1,748,979
RIM	0.55	($890,246)

Program savings decrease in 2016 compared to 2015 was primarily due to a decrease in CFL lighting. The largest participating retail chain in the Company's Idaho service territory moved away from CFL products early in 2016, contributing to a decrease in CFL availability. Secondly, the primary manufacturer of LEDs for independent retailers in the service territory was slow to adapt to static incentive levels for LEDs during the program year, which contributed to reduced savings from LED lighting.

Program Management

The program manager who is responsible for the *Home Energy Saver* program in Idaho is also responsible for the program in Utah and Wyoming. For each program and in each state the program manager is responsible for the cost effectiveness of the program, identifying and contracting with the program administrator through a competitive bid process, establishing and monitoring program performance and compliance, and recommending changes in the terms and conditions set out in the tariff.

Program Administration

The *Home Energy Saver* program is administered by CLEAResult. CLEAResult is responsible for the following:

- Retailer and trade ally engagement – CLEAResult identifies, recruits, supports and assists retailers to increase the sale of energy efficient lighting, appliances and electronics. CLEAResult enters into promotion agreements with each lighting manufacturer and retailer for the promotion of discounted CFL and LED bulbs. The agreements include specific retail locations, lighting products receiving incentives and not-to-exceed annual budgets. Weatherization and HVAC trade allies engaged with the program are provided with program materials, training, and regular updates.
- Inspections – CLEAResult recruits and hires inspectors to verify on an on-going basis the installation of measures. A summary of the inspection process is in Appendix 3.
- Managing savings acquisition to targets within budget.
- Continual improvement of program operations and customer satisfaction.
- Incentive processing and call-center operations – CLEAResult receives all requests for incentives, determines whether the applications are complete, works directly with customers when information is incorrect and/or missing from the application and processes the application for payment.
- Program specific customer communication and outreach – A summary of the communication and outreach conducted by CLEAResult on behalf of the Company is outlined in the Communication, Outreach, and Education section of this report.

The contract for *Home Energy Saver* program administration services for all states expired in March 2016. As a result, the Company initiated a request for proposal in 2015. CLEAResult was awarded a new contract which was effective April 1, 2016.

Infrastructure

The total number of retailers and trade allies participating in the program is currently 70. Detail of participating retailers by delivery channel and measure type is available in Appendix 4.

Program Changes

The Home Energy Saver program made changes to existing measures in its flexible tariff filing. The updated changes were made to better align with current market practices. The program also

added new offerings for smart thermostats and new homes, including new manufactured homes. Notice of program changes were effective January 30, 2016.

Evaluation

A process and impact evaluation for program years 2013-2014 was completed and published in 2016. Key finding include:

- Gross realization rate of 91 percent,
- Net-to-Gross of 75 percent,
- High program satisfaction with the non-lighting participants at 97 percent (lighting was upstream, therefore no surveys),
- The most commonly cited sources of program awareness for non-lighting participants were retailers at 43 percent,
- Including non-energy benefits, the program over the two year period was cost effective from the TRC perspective at 2.61.

A complete list of program evaluation recommendations and the Company's response is provided in Appendix 7.

HOME ENERGY REPORTS PROGRAM

The *Home Energy Reports* program is a behavioral program designed to decrease participant energy usage by providing comparative energy usage data for similar homes located in the same geographical area. Additionally, the report provides the participant with information on how to decrease their energy usage. Equipped with this information, participants can modify behavior and/or make structural equipment, lighting or appliance modifications to reduce their overall electric energy consumption.

The program achieved 3,422,891 kWh of savings in 2016. Program cost effectiveness is provided in Table 10.

Table 10
Cost Effectiveness for Home Energy Reports Program

Benefit/Cost Test	Benefit/Cost Ratio	Net Benefits
PTRC	1.69	$86,456
TRC	1.53	$67,129
UCT	1.53	$67,129
PCT	N/A	N/A
RIM	0.40	($295,964)

Reports were initially provided to approximately 17,600 customers in December 2014. The number of participant's decreases over time due to customer attrition related to general customer churn (customer move-outs) and customers requesting to be removed from the program. Since inception of the program, only 0.8% of customers have requested to be removed from the program. As of December 2016, 14,500 customers were active recipients of Home Energy Reports. In 2016, 40 total customers opted out of the program.

All participating customers may request an electronic report delivered via email as well as access to a web portal containing the same information about their usage provided in the report. In addition, all Idaho residential customers (including non-participants) have access to the web portal which contains other benefits such as a home energy audit tool, the ability for customers to update their home profile (for more accurate comparisons), and suggestions on ways to save energy.

Program Management

The program manager who is responsible for the *Home Energy Reports* program in Idaho is also responsible for the program in Utah and Wyoming as well as *Irrigation Load Control* program in Idaho and Utah and *Cool Keeper* program in Utah. For each program and in each state the program manager is responsible for the cost effectiveness of the program, identifying and contracting with the program administrator through a competitive bid process, establishing and monitoring program performance and compliance, and recommending changes in the terms and conditions set in each state's compliance requirements.

Program Administration

The *Home Energy Reports* program is administered by Oracle. Oracle's software creates individualized energy reports for utility customers that analyzes their energy usage and offers recommendations on how to save energy and money by making small behavioral changes to their energy consumption. The Company contracts with Oracle to provide energy savings, software services, and printing and delivery of energy reports to customers.

Oracle is responsible for the following:

- Selecting Qualifying Customers – Oracle conducts an analysis to identify qualifying customers that are then randomly selected into the program's treatment (those who will receive reports) and control groups (for measurement and verification).
- Customer Comparison Analysis – Oracle conducts statistical analysis to perform pattern recognition in order to derive actionable insights to selected customers. Oracle uses information about customers' homes (e.g., size, heat type, home type) to find similar homes for comparison.
- Energy Report Delivery – By mail or email.
- Web Portal Design and Support – Oracle operates and maintains a customer Web portal for participants to visit for additional information about their energy usage and saving opportunities.

Evaluation

A process and impact evaluation will be published in 2017.

REFRIGERATOR RECYCLING PROGRAM

The *Refrigerator Recycling* program, also known as "*See ya later, refrigerator*®," was designed to decrease electricity use through the voluntary removal and recycling of inefficient refrigerators and freezers. The program was available to residential, business customers and retailers.

On December 3, 2015, the Company filed to suspend the program due to the program administrator, JACO Environmental, effectively going out of business and thus unable to administer the program. Suspension of the program was granted effective December 7, 2015.

During December 2015, the Company began an expedited sole source procurement process to contract for remedial or "clean-up" appliance recycling services for customers that had signed up for the program, but were unable to be serviced due to JACO going out of business. A contract with Appliance Recycling Centers of America ("ARCA") was executed December 30, 2015, and customer outreach began in January 2016. ARCA contacted customers who had pick-ups scheduled with JACO that were canceled in late November and December 2015 and, if the customer was still interested, offer the same removal service and incentive. Clean-up services rendered by ARCA were conducted through March 2016.

On January 27, 2016, the Company filed to cancel the program due to the inability to administer the program cost effectively. The Commission granted the Company's request to cancel the program in Order No. 33497, effective March 1, 2016.

Customer participation in ARCA's clean-up services by measure is provided in Table 11.

Table 11
Clean-up Services Participation – Measures (Units)

Measures	Total kWh/Yr Savings @ Site	Total Incentive	Measure Quantity
Freezer Recycling	1,033	$ 50	1
Refrigerator Recycling	4,088	$ 200	4
Total	**5,121**	**$ 250**	**5**

Program level cost effectiveness was not calculated due to its cancellation. However, the minimal expenditures and savings are included in the residential level and portfolio level cost effectiveness calculations.

Evaluation

A process and impact evaluation for program years 2013-2014 was published in April 2016. Key findings include:

- The program achieved 1,273,559 kWh evaluated gross savings; 95% of reported gross savings.

- Overall net to gross decreased from 52% in the 2011-2012 evaluation to 41%. The evaluation found high free ridership levels due to 45% of respondents claiming they would have disposed of their units without the program.
- Program satisfaction remained high.

LOW INCOME WEATHERIZATION PROGRAM

The *Low Income Weatherization* program provides energy efficiency services through a partnership between the Company and local non-profit agencies to residential customers who meet income-eligible guidelines. Services are at no cost to the program participants.

In 2016, the program achieved 140,069 kWh of savings and treated 66 homes. Total homes treated as well as the type and frequency of specific energy efficiency measures installed in each home is provided in Table 12.

Table 12
Homes Receiving Specific Measures

Participation – Total # of Completed/Treated Homes	**66**
Number of Homes Receiving Specific Measures	
Attic Ventilation	45
Ceiling Insulation	50
CFL Bulbs	58
LED Light Bulbs	7
Duct Insulation	15
Floor Insulation	22
Furnace Repair	26
Furnace Replacements	9
Health & Safety Measures	66
Infiltration	66
Refrigerators	44
Replacement Windows	29
Thermal Doors	45
Wall Insulation	11
Water Heater Repair	28
Water Heater Replacement	1
Water Pipe Insulation	55

The *Low Income Weatherization* program was cost effective from the PTRC perspective of 1.04, but failed the TRC, UCT and RIM.[20] The marginal cost effectiveness of the program is largely due to the reduction in decrement values calculated for the 2015 IRP.[21] The Company will continue to monitor program savings and participation going forward. Table 13 shows 2016 program cost effectiveness.

[20] The Low Income Energy Conservation Education funding of $25,000 was excluded from the cost effectiveness.
[21] Decrement values represent the value of saved energy for assessing benefits from the PTRC, TRC, UCT, and RIM perspectives at the measure category, program, and/or portfolio level. The values and methodology used to develop them are presented in PacifiCorp's 2015 Class 2 Decrement Study: http://www.pacificorp.com/content/dam/pacificorp/doc/Energy_Sources/Demand_Side_Management/2015/2015_Class_2_DSM_Decrement_Study.pdf

Table 13
Cost Effectiveness for Low Income Weatherization (includes non-energy benefits)

Benefit/Cost Test	Benefit/Cost Ratio	Net Benefits
PTRC	1.04	$9,234
TRC	0.96	($10,704)
UCT	0.81	($47)
PCT	N/A	N/A
RIM	0.42	($274,562)

Program Management

The program manager who is responsible for the *Low Income Weatherization* program in Idaho is also responsible for the program in California, Utah, Washington and Wyoming; energy assistance programs in Idaho, California, Oregon, Utah, Washington and Wyoming; and bill discount programs in California, Utah and Washington. The program manager is responsible for the cost effectiveness of the weatherization program in each state, partnerships and agreements in place with local agencies that serve income eligible households, establishing and monitoring program performance and compliance, and recommending changes in the terms and conditions set out in the agency contracts and state specific tariffs.

Program Administration

The Company contracts with Eastern Idaho Community Action Partnership ("EICAP") and South Eastern Idaho Community Action Agency ("SEICAA") to provide services. The two agencies receive federal funds allocated to the Idaho Department of Health and Welfare ("IDHW") and administered by the Community Action Partnership Association of Idaho ("CAPAI"). Energy efficiency measures are installed in the homes of income eligible households throughout the Company's service territory by EICAP and SEICAA. The Company funds 85 percent of the cost of approved measures. Agencies cover remaining costs with the funding received by IDHW.

EICAP and SEICAA are responsible for the following:

- Income Verification – Agencies determine participant income eligibility based on CAPAI guidelines. Household's interested in obtaining weatherization services apply through the agencies. The 2016 income guidelines can be viewed at CAPAI's website http://www.idahocommunityaction.org/programs/weatherization-html/weatherization-assistance-program-income-guidelines-html/
- Energy Audit – Agencies use a United States Department of Energy approved audit tool to determine the cost effective measures to install in the participant's homes (audit results must indicate a savings to investment ratio of 1.0 or greater).
- Installation of Measures – Agencies install the energy efficiency measures.
- Post Inspections – Agencies inspect 100 percent of completed homes. CAPAI also inspects a random sample of homes. See Appendix 3 for verification summary.

- Billing Notification – Agencies are required to submit a billing to Company within 120 days after job completion. The agencies include a form indicating the measures installed and associated cost on each completed home along with their invoice.

Low Income Energy Conservation Education

Commission Order No. 32788 mandated the Company to fund the *Low Income Energy Conservation Education* with $25,000 annually. These education services are provided by EICAP and SEICAA and target participants who receive Low Income Home Energy Assistance Program (LIHEAP) funds. EICAP, SEICAA and the Company discussed the allocation of the annual funding amount with the agencies determining the efficiency measures to distribute. EICAP received $16,000 and SEICAA $9,000 for a total of $25,000 prior to the beginning of their 2016/2017 LIHEAP program year. While the conservation education activities do result in energy savings, the savings are not considered when calculating the performance results of the Low Income Weatherization program, other energy efficiency programs or portfolios results.[22]

The agencies provided a conservation education curriculum to households and reported the following activities and program specifics for 2016 in Table 14.

Table 14
2016 Conservation Education Activities

	EICAP	SEICCA
Annual Funds	$16,000	$9,000
Expenditures	$16,369 (EICAP used funds from 2015)	No Expenditures in 2016 (SEICCA used existing stock of measures)
2016 Unspent Funds	$16,000	$9,000
Households served	29	310

Distribution

EICAP distributed 29 kits that included a thermostat, 2 LED light bulbs and a clothesline. A total of 340 kits remain in stock.

EICAP reported the following: They were unable to staff an employee to provide energy conservation education throughout 2016 as they had originally planned due to other funding source issues and internal staffing changes. In 2017, they have an employee that will contact LIHEAP participants and invite them to receive energy conservation education and a kit upon completion. Idaho LIHEAP procedures are now streamlined to significantly decrease face to face appointments which forces them to contact customers that are not seen in person. The $16,000 received in 2016 was their ending balance as of 12/31/16 and will be applied in 2017 on additional efficiency measures.

[22] Order No. 32788

SEICAA distributed the following measures in 2016:

- A total of 640 shower timers (53 remain in inventory) and 239 night lights (depleted stock) that were purchased in 2013;
- A total of 254 CFLs and 37 power timers that were purchased in 2014 (depleted stock of these items);
- A total of 140 window kits (30 remain in inventory), 139 LED night lights (104 remain in inventory), 202 weather-stripping tape (32 remain in inventory), 19 13-watt CFLs (175 remain in inventory) and 61 conservation sockets (160 remain in inventory) purchased in 2015.
- A total of 1,731 measures were distributed to 310 households.

SEICAA reported the following: They did not purchase efficiency measures in 2016. Their efforts were centered on depleting their remaining stock of measures which will allow for less confusion in tracking inventory in the future. SEICAA intends to purchase complete kits packaged in boxes that will be distributed to income eligible Rocky Mountain Power customers prior to the receipt of their 2017 funding. With the aforementioned LIHEAP procedure changes, SEICAA no longer sees more than 50% of LIHEAP participants in their office. Pre-packaged efficiency kits will be mailed to the participants that do not visit their office, with kit and postage costs covered by Company funds.

Table 15 provides information regarding the education offered by the agencies.

Table 15
Additional Information on Education by Agencies

	EICAP	SEICAA
Program Design	Educate Rocky Mountain Power customers about how to conserve energy and understand their bill.	Reduce electricity usage and monthly bills for participants of the LIHEAP program.
Target Audience	Rocky Mountain Power customers who receive energy assistance.	LIHEAP recipients who have not received weatherization program services are a priority. Households can also be identified through SEICAA's other programs.
How Company Funds Were Used	Energy efficiency measures purchased with 2015 funds.	Purchased and distributed energy conservation measures with 2016 funding prior to 2016/2017 LIHEAP program year.
Program Benefits to Participants	Households receive useful tips and tools to help them save energy while applying for LIHEAP.	Households are educated on how they can reduce kWh usage through behavioral changes in addition to the energy savings benefits of installing energy conservation measures they receive during LIHEAP intake. All conservation items are easy-to-install measures.

Evaluation

No Low Income Weatherization evaluation activities occurred in 2016. The Company anticipates a process and impact evaluation for program years 2013-2015 to be published in 2017.

NON-RESIDENTIAL ENERGY EFFICIENCY

The commercial, industrial and agricultural energy efficiency program portfolio is offered through a single Non-Residential Energy Efficiency program called wattsmart Business.

The wattsmart Business program is intended to maximize the efficient use of electricity for new and existing non-residential customers through the installation of energy efficiency measures and energy management protocols. Qualifying measures include any measures which, when implemented in an eligible facility, result in verifiable electric energy efficient improvements.

Total non-residential program savings increased 88%, from 7,554,665 kWh in 2015 to 14,187,885 kWh in 2016. Energy savings from the commercial sector had the largest savings increase due to the downward trend in the price of LED lighting.

Total incentives, savings and completed projects are provided in Table 16 by customer sector.

Table 16
Savings by Sector

Sector	Total kWh/Yr Savings (@ Site)	Total kW Savings (@ Site)	Total Incentive	Total Projects
Agricultural	2,170,629	216	$ 321,358	54
Commercial	10,736,202	1,650	$ 1,384,526	230
Industrial	1,281,054	166	$ 178,649	14
Grand Total	**14,187,885**	**2,031**	**$ 1,884,533**	**298**

Services offered through the wattsmart Business program include:

- Typical Upgrades: provides streamlined incentives for lighting, HVAC, compressed air and other equipment upgrades that increase electrical energy efficiency and exceed code requirements.
- Small Business Lighting: provides enhanced incentives for lighting retrofits installed by approved trade allies at eligible small business customer facilities.
- Custom Analysis: offers investment-grade energy analysis studies and recommendations for more complex projects.
- Energy Management: provides expert facility and process analysis to help lower energy costs by optimizing customer's energy use.
- Energy Project Manager Co-funding: available to customers who can commit to an annual goal of completing projects resulting in a minimum of 1,000,000 kWh per year in energy savings.

Total incentives and savings by measure category is provided in Table 17.

Table 17
Savings by Measure Category[23]

Measure Category	Total kWh/Yr Savings (@ Site)	Total kW Savings (@ Site)	Total Incentive	Total Projects
Building Shell	93,498	64	$ 29,384	6
Compressed Air	121,290	-	$ 18,194	1
Farm & Dairy	354,914	4	$ 45,606	10
Food Service Equipment	181,412	28	$ 16,075	9
HVAC	998,655	221	$ 160,975	13
Irrigation	2,085,568	203	$ 309,989	46
Lighting	9,789,714	1,467	$ 1,235,605	213
Motors	254,897	32	$ 32,744	10
Refrigeration	307,937	13	$ 35,962	2
Grand Total	**14,187,885**	**2,031**	**$ 1,884,533**	**310**

The Non-Residential Portfolio was cost effective with a calculated TRC of 1.57 and UCT of 2.69. Program performance results for 2016 are provided in Table 18 below.

Table 18
Cost Effectiveness for Non-Residential Portfolio

Benefit/Cost Test	Includes Portfolio Costs		Excludes Portfolio Costs	
	Benefit/Cost Ratio	Net Benefits	Benefit/Cost Ratio	Net Benefits
PTRC	1.73	$3,931,475	1.80	$4,146,122
TRC	1.57	$3,082,538	1.64	$3,297,184
UCT	2.69	$5,334,330	2.89	$5,548,977
PCT	2.95	$9,508,538	2.95	$9,508,538
RIM	0.61	($5,322,605)	0.62	($5,107,959)

Program Management

The program manager overseeing the business energy efficiency program activity in Idaho is also responsible for the programs in Utah and Wyoming. For each state the program manager is responsible for the management of the program administrators, cost effectiveness, identifying and contracting with the program administrators through a competitive bid process, program marketing, achieving and monitoring program performance and compliance, and recommending changes in the terms and conditions of the program.

[23] Total project counts do not match measure category tables because projects can be in multiple categories.

Program Administration

The program is primarily administered through two delivery channels that are differentiated based upon customer needs: contracted DSM delivery and internal DSM delivery.

Contracted DSM Delivery

The Contracted DSM Delivery channel generally targets typical opportunities which serves small to medium sized business customers and, to a lesser extent, large business customers. Administration is provided through Company contracts with Nexant, Inc. ("Nexant") and Cascade Energy ("Cascade") who manage trade ally coordination, training and application processing services for commercial measures and industrial/agricultural measures respectively.

Nexant and Cascade are responsible for the following:

- Trade ally engagement – includes identification, recruiting, training, supporting and assisting trade allies to increase sales and installation of energy efficient equipment at qualifying business customer facilities.
- Incentive processing and administrative support – includes handling incoming inquiries as assigned, processing incentive applications, developing and maintaining standardized analysis tools, providing program design services, and evaluation and regulatory support upon request.
- Custom analysis and project facilitation for small/medium customer projects.
- Managing savings acquisition to targets within budget.
- Continual improvement of program operations and customer satisfaction.
- Inspections – includes verifying on an on-going basis the installation of measures. A summary of the inspection process is in Appendix 3.

Internal DSM Delivery

The Internal DSM Delivery channel targets large energy users who generally have multiple opportunities for energy efficiency improvements, such as those that require complex custom analysis. These large projects are administered by internal Company project managers and allows for a single point of contact to assist customers with their various opportunities. In this delivery channel, project managers are responsible for the following:

- Single point of contact for large customers to assist with their energy efficiency projects.
- Provide customer outreach and education of energy efficiency opportunities.
- Facilitate custom energy efficiency analysis, quality assurance and verification of savings through a pre-contracted group of engineering firms. (See Table 20 below.)
- Manage engineering firms to ensure program compliance, quality of work and customer satisfaction.
- Manage wattsmart Business projects through the whole project lifecycle.

The contracts for the outsourced delivery channel expired June 30, 2016. Following a competitive bid process, these contracts were awarded to Nexant and Cascade for another 3-year term. A third contract, awarded to Willdan Energy Solutions ("Willdan"), will administer the Small Business Direct Installation offer within the wattsmart Business Program. Additional information is included in the Program Changes section.

Infrastructure

Contracted DSM Delivery

To help increase and improve the supplier and installation contractor infrastructure for energy-efficient equipment and services, the Company established and developed trade ally networks for lighting, HVAC and motors/VFDs. This work includes identifying and recruiting trade allies, providing program and technical training and providing sales support on an ongoing basis. The current list of trade allies who have applied and been approved as participating vendors are posted on the Company website and is included as Appendix 5 to this report. In most cases, customers are not required to select a vendor from these lists to receive an incentive.[24]

The current count of participating trade allies by technology is in Table 19.

Table 19
Participating Trade Allies[25]

Lighting trade allies	HVAC trade allies	Motor and VFD trade allies
75	50	54

Internal DSM Delivery

Given the diversity of the non-residential customers served by the Company, a pre-approved, pre-contracted group of engineering firms are used to perform facility specific energy efficiency analysis, quality assurance and verification services. Each customer's project is directly managed by one of the Company's in-house project managers. The project manager works directly with the customer or through the appropriate Company regional business manager located in Idaho.

On October 31, 2016 the contracts for engineering firms providing these services expired; consequently, the Company initiated a request for proposals in early 2016 to obtain contracts with qualified firms to provide these services to customers. Twelve firms were selected. Table 20 lists the engineering firms under contract with the Company both before this bid cycle and afterward.

[24] Customers receiving Small Business Lighting incentives do need to use an approved contractor that has been selected from a competitive request for bid process.
[25] Some trade allies may participate in more than one technology so the count of unique participating firms is less than the total count by technology.

Table 20
Engineering Firms

Engineering Firm	Main Office Location	Contracted prior to 10/31/16	Contracted after 11/01/16
Abacus Resource Management Company	Beaverton, OR	X	
Brendle Group	Fort Collins, CO	X	X
Cascade Energy Engineering	Cedar Hills, UT	X	X
Compression Engineering Corp	Salt Lake City, UT	X	
Ecova	Portland, OR	X	
EMP2, Inc	Richland, VA	X	X
Energy Resource Integration, LLC	Sausalito, CA	X	X
Energy and Resource Solutions	North Andover, MA	X	
EnerNOC Inc.	Portland, OR	X	
EnSave, Incorporated	Richmond, VT	X	X
ETC Group, Incorporated	Salt Lake City, UT	X	X
Evergreen Consulting Group	Beaverton, OR	X	X
Fazio Engineering	Weston, OR	X	
kW Engineering, Inc.	Salt Lake City, UT	X	X
Lincus Incorporated	Tempe, AZ	X	
Nexant, Incorporated	Salt Lake City, UT	X	X
QEI Energy Management, Inc.	Beaverton, OR	X	
RM Energy Consulting	Pleasant Grove, UT	X	X
Rick Rumsey, LLC	Ammon, ID	X	X
SBW Consulting, Inc.	Bellevue, WA	X	
Solarc Architecture & Engineering, Inc.	Eugene, OR	X	X
Triple Point Energy	Portland, OR	X	

Program Changes

Several notable changes occurred within the wattsmart Business Program in 2016 that targeted the small business sector and lighting. These changes include the redesign of the Small Business Lighting offering to the Small Business Direct Installation offering, and a restructuring of LED lighting incentives.

Small Business Lighting was restructured to the Small Business Direct Installation. The program change was designed to expand the program offering from lighting to additional energy efficient measures. The intent is to serve the hard-to-reach small business market segment through offering an incentive, in the form of a direct installation of energy efficient measures, by a certified and/or licensed contractor. This program will be provided to targeted geographical areas and is intended to include energy audits of customers' facilities identifying qualifying energy savings measures that could be installed, and the associated costs. Project proposals based on completed audits will be provided that fit within customers' operational and budgetary parameters. Customers can then choose to move forward with the entire project installing all qualifying upgrades, or select a portion of qualifying upgrades from the project proposal. Depending on the size and demographics of each area, the following tactics may be used to engage with small business customers:

- Direct customer events,
- Community fairs, street fairs, and "Main Street" events,
- Geo-targeted pop-up events and workshops,
- City Council and Chamber of Commerce Meetings,
- Trade/Business Association Events,
- Door to door (in person and print),
- Digital (website), and
- Direct-mail, email blasts or print media.

The newly designed Small Business Direct Install offer is structured to increase participation, particularly in rural communities where program participation has historically been lower than urban communities. As mentioned in the Program Administration section, a new outsourced delivery contractor, Willdan, will administer this program.

The Company also restructured LED lighting. LED technology has become the predominant lighting technology in energy efficiency projects, and that trend is anticipated to continue. Long lamp life (30,000 hours+), reduced lifetime maintenance costs, absence of hazardous materials (i.e. mercury), controllability, higher efficacy (lumens/watt) and decreasing costs relative to traditional technologies have contributed to a shift toward using LED products on most energy efficiency projects.

To address the continuing and rapid shift to more efficient LED technologies, the Company revamped the form and value of lighting incentives listed in the lighting retrofits table on the website[26]. The Company moved away from incenting lighting in technology-specific categories and transitioned to a true pay-for-savings approach. Under the new incentive structure interior, exterior and street/pole lighting are all incentivized at a specific cost per kWh saved, regardless of what type of technology is installed. Lighting incentives were also lowered proportionately due to decreasing costs for LED technology.

Other minimal changes to the program that occurred in 2016 include methodology changes for calculating VFD savings for dairy vacuum pumps, as well as changes to the incentive structures for potato/onion storage fan VFD.

Evaluation

The wattsmart Business program evaluation for program years 2014-2015 was performed in 2016 and published in early 2017. The evaluation is available on the Company's website at http://www.pacificorp.com/es/dsm/idaho.html.

[26] https://www.rockymountainpower.net/bus/se/idaho/il/lighting/lighting-retrofits.html

PEAK REDUCTION PROGRAM

Peak Reduction programs assist the Company in balancing customer energy use during heavy peak summer hours. Further, it assists in deferring the need for higher cost investments in delivery infrastructure and generation resources that would otherwise be needed to serve those loads for a select few hours each year. These programs help the Company maximize the efficiency of the Company's existing electrical system and reduce costs for all customers.

Irrigation Load Control

The *Irrigation Load Control* program is offered to irrigation customers receiving electric service on Schedule 10, Irrigation and Soil Drainage Pumping Power Service. Participants enrolled with a third party administrator to allow the curtailment of their electricity usage in exchange for an incentive. Customer incentives are based on a site's average available load during load control program hours adjusted for the number of opt outs or non-participation. The program hours are 12pm to 8pm Mountain Time, Monday through Friday, and exclude holidays. For most participants, their irrigation equipment is set up with a dispatchable two-way control system giving the Company control of the equipment. Under this control option, participants are provided a day-ahead notification of control events and have the choice to opt-out of a limited number of dispatch events per season.

A summary of the program performance, participation and cost effectiveness results for the program period of May 31, 2016 – August 19, 2016 are provided in Tables 21 and 22.

Table 21
Irrigation Load Control Program Performance

Total Enrolled MW (Gross – at Gen)	257
Average Realized Load MW (at Gen)	109
Maximum Realized Load MW (at Gen)	163
Participation Customers	207
Participation (Sites)	1,340

Table 22
Cost Effectiveness for Irrigation Load Control

Benefit/Cost Test	Benefit/Cost Ratio
PTRC	Pass
TRC	Pass
UCT	Pass
PCT	N/A
RIM	Pass

Program Management

The program manager who is responsible for the *Irrigation Load Control* program in Idaho is also responsible for the *Irrigation Load Control* and *Cool Keeper* programs in Utah along with *Home Energy Report* in Idaho, Utah and Wyoming. For each state the program manager is responsible for managing the program administrator, the cost effectiveness of the program, contracting with program administrator through a competitive bid process, establishing and monitoring program performance and compliance, and recommending changes to increase participation.

Program Administration

EnerNoc administers and manages the *Irrigation Load Control* program through a pay-for-performance structure and is responsible for all aspects of the program.

Load Control Events and Performance

There were seven control events initiated in 2016. The date, time and estimated impact for each event is provided in Table 23.

Table 23
Irrigation Load Control Events

Date	Event	Event Times	Estimated Load Reduction - Idaho at Gen (MW)
June 21, 2016	1	3pm-7pm MDT	161
June 27, 2016	2	3pm-7pm MDT	163
June 29, 2016	3	3pm-7pm MDT	153
July 21, 2016	4	3pm-7pm MDT	98
July 26, 2016	5	3pm-7pm MDT	74
July 28, 2016	6	3pm-7pm MDT	78
August 15, 2016	7	3pm-7pm MDT	66
August 17, 2016	8	3pm-7pm MDT	80

Evaluation

No evaluation activities occurred during 2016.

COMMUNICATIONS, OUTREACH AND EDUCATION

The Company uses earned media, customer communications, paid media, and program specific media to communicate the value of energy efficiency and provide information regarding low-cost, no-cost energy efficiency measures. The Company endeavors to educate customers on the availability of technical assistance, services and incentives with the overall goal to engage customers in reducing their energy usage.

The Company calls this multi-faceted campaign "wattsmart" and shares a common theme: Rocky Mountain Power wants to help you save money and energy.

Customer Communications

As part of the Company's regular communications to its customers, newsletters across all customer classes promote energy efficiency initiatives and case studies. Inserts and outer envelopes are also used consistently to feature energy efficiency messages and programs. In 2016, the Company issued two newsletters focused on seasonal energy efficiency information targeted for the fall and spring.

Table 24 shows the communication source and the frequency of the message.

Table 24
Communication Source and Frequency

Communication Source	Frequency of Message
Web: **rockymountainpower.net/wattsmart** and promotional URL **wattsmart.com** link directly to the energy efficiency landing page. Once there customers can self-select their state for specific programs and incentives.	Messages rotate each month based on the season.
Twitter	Tweets posted on a weekly basis.
Facebook	Information and tips posted three - five times a week. Promoted posts and mobile ads are also used where appropriate.
Voices residential newsletter	Newsletters are sent via bill insert and email six times a year; each issue includes energy efficiency tips and incentive program information.
wattsup insert - seasonal change inserts dedicated to energy efficiency.	May and October
Home Energy Saver/wattsmart Starter Kit program inserts.	2-3 per year
Energy Connections, Energy Insights -- newsletters to businesses and communities.	Articles appear in both monthly and quarterly publications.

Paid Media/ wattsmart campaign

In 2016, the Company continued to use the wattsmart advertising campaign that was originally developed in late 2014. The overall paid media plan objective is to effectively reach our customers through a multi-media mix that extends both reach and frequency. Tapping into all resources with consistent messaging has been the Company's approach and will continue to be refined.

Key strategies include:

- Implement an advertising campaign that featured wattsmart energy efficiency messaging.
- Promote customer conservation (behavioral changes) and increase participation and savings through the Company's wattsmart DSM programs.
- Motivate customers in Idaho to reduce consumption independently or to do so by participating in the Company's wattsmart DSM programs.
- Educate customers on how these programs can help them save money on their utility bills, reduce energy consumption and keep costs down for customers.

The audiences for these messages were prioritized as follows:

- Residential customers
- Low-income customers
- Small/mid-size business customers
- Large commercial/industrial customers
- Retailers, contractors & trade allies

General key messages:

- Using energy wisely at home and in your business saves you money.
- Rocky Mountain Power is your energy partner
    - We want to help you keep your costs down.
    - We offer wattsmart programs and cash incentives to help you save money and energy in your home or business.

To reach residential customers, the Company used TV, radio, social, and digital. We reminded customers about Wattsmart, Idaho – the right place for savings. In Wattsmart, folks turn off lights and electronics when not in use. They only use efficient appliances and make sure their homes are well insulated. The payoff for the campaign is – *You may not live in Wattsmart, but you can learn to live wattsmart.*

Each of the ads is focused on a different piece of messaging:

- Incentives
- Weatherization
- Lighting (LED)
- Turning off the lights and unplugging electronics when not in use
- Keeping the thermostat set to 68 degrees in the winter

New creative was developed to target business customers to include TV, radio, print, social, and digital. Ads were case study focused and highlighted business customers that saved energy and money by being wattsmart.

Table 25 outlines each communication channel and provides the overall impressions achieved in 2016.

Table 25
Communication Channels

Communication Channel	Value to Communication Portfolio	Impressions to date
Television	Television has the broadest reach and works as the most effective media channel.	Idaho Falls: A selection of ads ran at 30 and 15-second spots. • 770,000 residential impressions • 1,203,000 business impressions
Radio	Given the cost relative to television, radio builds on communications delivered via television while providing for increased frequency of messages.	Idaho Falls: • 605 spots • 585,000 estimated impressions*
Newspaper	Supports broadcast messages and guarantees coverage in areas harder to reach with broadcast.	A total of 36 insertions targeting business customers were provided to: • Jefferson Star/Shelley Pioneer • Idaho State Journal • Idaho Falls Post Register • News-Examiner • Preston Citizen • Rexburg Standard Journal • 899,842 total impressions
Digital Display	Include banner ads on local sites, blogs, behavioral ad targeting, and pay-per-click ad placements.	1,045,505 total impressions
Internet Search (i.e. Google)	20,622 total impressions	20,622 total impressions
Twitter (@RMP_Idaho)	Tweets energy efficiency tips, Tweets posted on a weekly basis	1,011 Twitter followers
Facebook www.facebook.com/ rockymountainpower.wattsmart	Awareness regarding energy efficiency tips and a location to share information.	Facebook advertising –384,617 total impressions

*Radio impressions are not quantified. Impression is estimated.

The total number impressions for the *watt*smart campaign were 4,908,586 impressions.

Residential Creative Links

TV

- Wattsmart, Idaho - 68 degrees
- Wattsmart, Idaho - Apple pie

- Wattsmart, Idaho - Caulking gun

Radio
- Wattsmart, Idaho - The Festival
- Wattsmart, Idaho - Good place

Online
- Wattsmart, Idaho (68 degrees)
- Wattsmart Idaho - turn off lights and electronics
- Wattsmart Idaho - Powerstrip

Business Creative Links

TV
- Countryside Veterinary case study TV

Radio
- Countryside Veterinary Radio

Print
- Walters Farm and Produce
- Countryside Veterinary

Online
- Walters Farm and Produce

Program Specific

All energy efficiency program marketing and communications are under the wattsmart umbrella to ensure a seamless transition from changing customer behavior to the actions they could take by participating in specific programs. Separate marketing activities administered by and specific to the programs ran in conjunction with the wattsmart campaign.

Home Energy Saver

Information on the *Home Energy Saver* program is communicated to customers, retailers and trade allies through a variety of channels, including bill inserts, newsletters, emails, website and social media.

In January 2016, the Company ran Facebook ads to promote the free wattsmart Starter Kits for customers. This resulted in approximately 646 clicks.

A bill insert encouraging customers to take advantage of the $100 smart thermostat incentive was distributed in February bills.

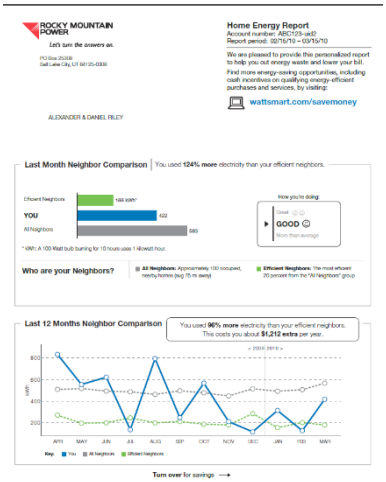
During 2016, program communications delivered approximately 154,475 impressions. A breakdown of estimated impressions by channel is shown in Table 26. These estimates do not reflect all of the customer, retailer and trade ally touchpoints.

Table 26
Communication Channels

Communications Channel	2016 Estimated Impressions
Facebook ads - kits	48,475
Bill insert – smart thermostat	106,000

Home Energy Reports program

The reports provide information about the household's energy use compared to other similar households, and offer personalized energy-saving tips. Customers can also login to the program website to access tools including a progress tracker, bill comparison, home energy assessment and more.



In 2016, the Company included information in the reports to promote insulation incentives and renewable energy choices.

wattsmart Business

During 2016, communications reminded customers to inquire about incentives for lighting, HVAC, compressed air, and other energy efficiency measures. Radio and print ads featured case study examples from program participants which were repurposed in social media. Eblasts and digital search directed viewers to the Company's website.[27] This was in addition to customer direct contact by Company project managers and corporate and community managers, trade ally partners, articles in the Company newsletters, Chamber newsletter outreach and content on the Company website and on Facebook.

[27] www.wattsmart.com

Emails focused on vertical markets were sent to office/retail, grocery/convenience stores and restaurant/lodging businesses. A separate webinar was held for restaurants and food service customers to educate and inform them about incentives and savings available to their industry.

One customer was recognized as wattsmart Business Partner of the year and presented with a trophy. A second customer was recognized for savings achievements. Both of these accomplishments were announced in a press release.[28]

The Company continued to use a wattsmart "open sign" for businesses and approved vendors to display. Customers were photographed with the "open sign" and the photos were used in the case studies, newsletter articles and on Facebook.

The program's breakdown of impressions by media type is shown in Table 27.

Table 27
Impressions by Media Type

Communications Channel	2016
Radio	273,000
Print	426,880
Eblasts	7,974
Search	537

[28] https://www.rockymountainpower.net/about/nr/nr2016/rocky-mountain-power-honors-golden-valley-natural-byu-idaho.html

EVALUATIONS

Evaluations are performed by independent external evaluators to validate energy and demand savings derived from the Company's energy efficiency programs. Industry best practices are adopted by the Company with regards to principles of operation, methodologies, evaluation methods, definitions of terms, and protocols including those outlined in the National Action Plan for Energy Efficiency Program Impact Evaluation and the California Evaluation Framework guides.

A component of the overall evaluation efforts is aimed at the reasonable verification of installations of energy efficient measures through review of documentation, surveys and/or ongoing onsite inspections.

Verification of the potential to achieve savings involves regular inspection and commissioning of equipment. The Company engages in programmatic verification activities, including inspections, quality assurance reviews, and tracking checks and balances as part of routine program implementation and may rely upon these practices in the verification of installation information for the purposes of savings verifications in advance of more formal impact evaluation results. A summary of the inspection process is included in Appendix 3.

Evaluation, measurement and verification tasks are segregated within the Company organization to ensure they are performed and managed by personnel who are not responsible for program management.

Information on evaluation activities completed or in progress during 2016 is summarized in Table 28 below. Summaries of the recommendations are provided in Appendix 7. The evaluation report is available at www.pacificorp.com/es/dsm/idaho.html.

Table 28
Program Evaluations

Program	Years Evaluated	Evaluator	Progress Status
Home Energy Saver	2013 – 2014	Cadmus	Completed
See ya, Later Refrigerator	2013 – 2014	Cadmus	Completed
wattsmart Business	2014 - 2015	Cadmus	Completed 2017
Home Energy Saver	2015 - 2016	Cadmus	In Progress
Low Income Weatherization	2013 - 2015	Opinion Dynamics	In Progress

ROCKY MOUNTAIN POWER
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Appendix 1

Idaho Cost Effectiveness

NAVIGANT

Memorandum

To: Nikki Karpavich, PacifiCorp/Rocky Mountain Power

From: David Basak, Navigant

Date: April 11, 2017

Re: Cost-Effectiveness for the Portfolio and Sector Level - Idaho

Navigant estimated the cost-effectiveness for the overall energy efficiency portfolio and component sectors, based on 2016 costs and savings estimates provided by PacifiCorp. This memo provides the cost-effectiveness results for the overall energy efficiency portfolio and the two sector components.

The portfolio passes the cost-effectiveness for all the tests except the RIM test. The memo consists of the following tables.

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Table 1 - Utility Inputs

Parameter	Value
Discount Rate	6.66%
Residential Line Loss	11.47%
Commercial Line Loss	10.75%
Industrial Line Loss	7.52%
Irrigation Line Loss	11.45%
Residential Energy Rate ($/kWh)	$0.1041
Commercial Energy Rate ($/kWh)	$0.0892
Industrial Energy Rate ($/kWh)	$0.0656
Irrigation Energy Rate ($/kWh)	$0.0905
Inflation Rate[1]	1.9%

[1] Future rates determined using a 1.9% annual escalator.

Table 2 – Portfolio Level Costs 2016

Expense	Cost
Commercial and Industrial Evaluation Costs	$214,647
Residential Evaluation Costs	$149,526
Low Income Energy Conservation Education	$25,000
Outreach & Communications Wattsmart	$126,990
Technical Reference Library and Potential Study	$60,204
DSM Central	$9,563
Total Costs	**$585,929**

Table 3 – Benefit/Cost Ratios by Portfolio Type

Measure Group	PTRC	TRC	UCT	RIM	PCT
Total Portfolio (Including NEBs)	1.75	1.59	2.22	0.58	3.29
Total Portfolio	1.59	1.45	2.22	0.58	3.23
C&I Programs	1.73	1.57	2.69	0.61	2.95
Residential Programs (Including NEBs)	2.11	1.95	1.29	0.47	7.28
Residential Programs	1.28	1.16	1.29	0.47	6.48

Table 4 – 2016 Total Portfolio (Including NEBs) Cost-Effectiveness Results

Cost-Effectiveness Test	Levelized $/kWh	Costs	Benefits	Net Benefits	Benefit/Cost Ratio
Total Resource Cost Test (PTRC) + Conservation Adder	$0.0521	$6,875,190	$12,026,179	$5,150,990	1.75
Total Resource Cost Test (TRC) No Adder	$0.0521	$6,875,190	$10,965,661	$4,090,471	1.59
Utility Cost Test (UCT)	$0.0341	$4,500,332	$9,968,994	$5,468,662	2.22
Rate Impact Test (RIM)		$17,126,321	$9,968,994	-$7,157,327	0.58
Participant Cost Test (PCT)		$5,277,519	$17,348,505	$12,070,986	3.29
Lifecycle Revenue Impacts ($/kWh)					$0.0001731074

Table 5 - 2016 Total Portfolio Cost-Effectiveness Results

Cost-Effectiveness Test	Levelized $/kWh	Costs	Benefits	Net Benefits	Benefit/Cost Ratio
Total Resource Cost Test (PTRC) + Conservation Adder	$0.0521	$6,875,190	$10,965,893	$4,090,704	1.59
Total Resource Cost Test (TRC) No Adder	$0.0521	$6,875,190	$9,968,994	$3,093,804	1.45
Utility Cost Test (UCT)	$0.0341	$4,500,332	$9,968,994	$5,468,662	2.22
Rate Impact Test (RIM)		$17,126,321	$9,968,994	-$7,157,327	0.58
Participant Cost Test (PCT)		$5,277,519	$17,025,286	$11,747,767	3.23
Lifecycle Revenue Impacts ($/kWh)					$0.0001731074

Table 6 – 2016 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) + Conservation Adder	$0.0473	$5,406,837	$9,338,313	$3,931,475	1.73
Total Resource Cost Test (TRC) No Adder	$0.0473	$5,406,837	$8,489,375	$3,082,538	1.57
Utility Cost Test (UCT)	$0.0276	$3,155,045	$8,489,375	$5,334,330	2.69
Rate Impact Test (RIM)		$13,811,980	$8,489,375	-$5,322,605	0.61
Participant Cost Test (PCT)		$4,869,198	$14,377,736	$9,508,538	2.95
Lifecycle Revenue Impacts ($/kWh)					$0.0001180057

Table 7 – 2016 Residential Energy Efficiency Portfolio (Including NEBs) Cost-Effectiveness Results

Cost-Effectiveness Test	Levelized $/kWh	Costs	Benefits	Net Benefits	Benefit/Cost Ratio
Total Resource Cost Test (PTRC) + Conservation Adder	$0.0721	$1,271,595	$2,687,867	$1,416,271	2.11
Total Resource Cost Test (TRC) No Adder	$0.0721	$1,271,595	$2,476,286	$1,204,690	1.95
Utility Cost Test (UCT)	$0.0651	$1,148,530	$1,479,619	$331,089	1.29
Rate Impact Test (RIM)		$3,117,584	$1,479,619	-$1,637,965	0.47
Participant Cost Test (PCT)		$408,321	$2,970,769	$2,562,448	7.28
Lifecycle Revenue Impacts ($/kWh)					$0.0000681456

Table 8 – 2016 Residential Energy Efficiency Portfolio Cost-Effectiveness Results

Cost-Effectiveness Test	Levelized $/kWh	Costs	Benefits	Net Benefits	Benefit/Cost Ratio
Total Resource Cost Test (PTRC) + Conservation Adder	$0.0721	$1,271,595	$1,627,581	$355,985	1.28
Total Resource Cost Test (TRC) No Adder	$0.0721	$1,271,595	$1,479,619	$208,024	1.16
Utility Cost Test (UCT)	$0.0651	$1,148,530	$1,479,619	$331,089	1.29
Rate Impact Test (RIM)		$3,117,584	$1,479,619	-$1,637,965	0.47
Participant Cost Test (PCT)		$408,321	$2,647,550	$2,239,229	6.48
Lifecycle Revenue Impacts ($/kWh)					$0.0000681456

The tables below summarize the non-energy benefits for the Low Income and Home Energy Savings programs.

Table 9 – Low Income Non-Energy Benefits (2016)

Non-Energy Benefit	Program Impact	Perspective Adjusted
Health & Safety Benefit	$35,758.42	PTRC, TRC
Total NEB	$1,498.86	PTRC, TRC
Total	**$37,257.28**	

Table 10 - Home Energy Savings Non-Energy Benefits by Measure

Measure Name	Non-Energy Benefits Water ($/yr)	Non-Energy Benefits Other ($/yr)	Quantity	Measure Life	Total NEBs ($/yr)	Discount Rate	Total Net Present Value Benefits
Appliances	$2,562	$0	91	13.8	$2,562	6.66%	$24,207.66
Energy Kits - DHW	$9,567	$0	415	10.1	$9,567	6.66%	$73,276.16
Energy Kits - Lighting	$0	$1,163	415	10.1	$1,163	6.66%	$8,904.06
Lighting	$0	$24,884	31848	8.7	$24,884	6.66%	$171,294.96

NAVIGANT

Memorandum

To: Nikki Karpavich, PacifiCorp/Rocky Mountain Power

From: David Basak, Navigant

Date: April 4, 2017

Re: Cost-Effectiveness Results for the Wattsmart Business Program - Idaho

Navigant estimated the cost-effectiveness results for the Idaho Wattsmart Business Program, based on 2016 costs and savings estimates provided by PacifiCorp. This memo provides the cost-effectiveness results for the overall program and for the 9 measure categories.

Cost-effectiveness was tested using the 2015 IRP east system load shape decrement. The program passes PTRC, TRC, UCT and PCT cost-effectiveness tests. The memo consists of the following tables.

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Table 1 - Utility Inputs

Parameter	Value
Discount Rate	6.66%
Residential Line Loss	11.47%
Commercial Line Loss	10.75%
Industrial Line Loss	7.52%
Irrigation Line Loss	11.45%
Residential Energy Rate ($/kWh)	$0.1041
Commercial Energy Rate ($/kWh)	$0.0892
Industrial Energy Rate ($/kWh)	$0.0656
Irrigation Energy Rate ($/kWh)	$0.0905
Inflation Rate[1]	1.9%

[1] Future rates determined using a 1.9% annual escalator.

Table 2 – Annual Wattsmart Business Program Costs by Measure Category

Measure Group	Engineering Costs	Utility Admin	Program Admin	Program Dev.	Incentives	Total Utility Costs	Gross Customer Costs
Building Shell	$694	$267	$3,799	$900	$29,384	$35,044	$98,912
Compressed Air	$900	$347	$5,578	$1,168	$18,194	$26,185	$57,013
Farm & Dairy	$2,634	$1,014	$16,321	$3,417	$45,606	$68,992	$113,855
Food Service Equipment	$1,346	$518	$7,181	$1,746	$16,075	$26,867	$57,199
HVAC	$7,411	$2,853	$104,185	$9,614	$160,975	$285,039	$543,518
Irrigation	$15,478	$5,959	$136,413	$20,077	$309,989	$487,915	$764,669
Lighting	$72,653	$27,972	$492,258	$94,241	$1,235,605	$1,922,730	$2,981,459
Motors	$1,892	$728	$7,718	$2,454	$32,744	$45,535	$117,434
Refrigeration	$2,285	$880	$0	$2,964	$35,962	$42,092	$135,139
Total	**$105,294**	**$40,539**	**$773,452**	**$136,580**	**$1,884,533**	**$2,940,398**	**$4,869,198**

Table 3 – Annual Wattsmart Business Program Savings by Measure Category

Measure Group	Gross kWh Savings	Realization Rate	Adjusted Gross kWh Savings	Net to Gross Ratio	Net kWh Savings	Measure Life
Building Shell	93,498	100%	93,498	82%	76,668	15
Compressed Air	121,290	100%	121,290	82%	99,458	15
Farm & Dairy	354,914	100%	354,914	82%	291,029	15
Food Service Equipment	181,412	100%	181,412	82%	148,758	6
HVAC	998,655	100%	998,655	82%	818,897	15
Irrigation	2,085,568	100%	2,085,568	82%	1,710,166	7
Lighting	9,789,714	100%	9,789,714	86%	8,419,154	14
Motors	254,897	100%	254,897	82%	209,016	15
Refrigeration	307,937	100%	307,937	100%	307,937	15
Total	**14,187,885**	**100%**	**14,187,885**	**85%**	**12,081,083**	**13**

Table 4 - Benefit/Cost Ratios by Measure Category

Measure Group	PTRC	TRC	UCT	RIM	PCT
Building Shell	0.77	0.70	1.74	0.54	1.25
Compressed Air	1.48	1.35	2.81	0.58	2.47
Farm & Dairy	2.01	1.83	3.09	0.59	3.52
Food Service Equipment	0.96	0.87	1.87	0.50	1.83
HVAC	1.26	1.14	2.28	0.59	2.14
Irrigation	1.05	0.95	1.57	0.53	1.95
Lighting	2.13	1.94	3.28	0.64	3.50
Motors	1.44	1.31	3.15	0.69	1.96
Refrigeration	1.78	1.62	5.44	0.80	2.08
Total	**1.80**	**1.64**	**2.89**	**0.62**	**2.95**

Table 5 – Wattsmart Business Program Level Cost-Effectiveness Results

Cost-Effectiveness Test	Levelized $/kWh	Costs	Benefits	Net Benefits	Benefit/Cost Ratio
Total Resource Cost Test (PTRC) + Conservation Adder	$0.0454	$5,192,191	$9,338,313	$4,146,122	1.80
Total Resource Cost Test (TRC) No Adder	$0.0454	$5,192,191	$8,489,375	$3,297,184	1.64
Utility Cost Test (UCT)	$0.0257	$2,940,398	$8,489,375	$5,548,977	2.89
Rate Impact Test (RIM)		$13,597,334	$8,489,375	-$5,107,959	0.62
Participant Cost Test (PCT)		$4,869,198	$14,377,736	$9,508,538	2.95
Lifecycle Revenue Impacts ($/kWh)					$0.0001132468

Table 6 through Table 14 provide cost-effectiveness results for all 9 measures.

Table 6 - Wattsmart Business Building Shell Cost-Effectiveness Results (Decrement - East System - 40%, Load Shape – HVAC)

Cost-Effectiveness Test	Levelized $/kWh	Costs	Benefits	Net Benefits	Benefit/Cost Ratio
Total Resource Cost Test (PTRC) + Conservation Adder	$0.1073	$86,768	$67,131	-$19,637	0.77
Total Resource Cost Test (TRC) No Adder	$0.1073	$86,768	$61,028	-$25,740	0.70
Utility Cost Test (UCT)	$0.0433	$35,044	$61,028	$25,985	1.74
Rate Impact Test (RIM)		$112,467	$61,028	-$51,438	0.54
Participant Cost Test (PCT)		$98,912	$123,802	$24,890	1.25
Lifecycle Revenue Impacts ($/kWh)					$0.0000009869
Discounted Participant Payback (years)					12.92

Table 7 - Wattsmart Business Compressed Air Cost-Effectiveness Results (Decrement - East System - 40%, Load Shape – Industrial Machinery General)

Cost-Effectiveness Test	Levelized $/kWh	Costs	Benefits	Net Benefits	Benefit/Cost Ratio
Total Resource Cost Test (PTRC) + Conservation Adder	$0.0522	$54,742	$81,055	$26,313	1.48
Total Resource Cost Test (TRC) No Adder	$0.0522	$54,742	$73,687	$18,944	1.35
Utility Cost Test (UCT)	$0.0250	$26,185	$73,687	$47,501	2.81
Rate Impact Test (RIM)		$126,622	$73,687	-$52,935	0.58
Participant Cost Test (PCT)		$57,013	$140,677	$83,665	2.47
Lifecycle Revenue Impacts ($/kWh)					$0.0000010156
Discounted Participant Payback (years)					4.67

Table 8 - Wattsmart Business Farm & Dairy Cost-Effectiveness Results (Decrement - East System - 40%, Load Shape – Industrial Machinery General)

Cost-Effectiveness Test	Levelized $/kWh	Costs	Benefits	Net Benefits	Benefit/Cost Ratio
Total Resource Cost Test (PTRC) + Conservation Adder	$0.0384	$116,746	$234,726	$117,980	2.01
Total Resource Cost Test (TRC) No Adder	$0.0384	$116,746	$213,387	$96,641	1.83
Utility Cost Test (UCT)	$0.0227	$68,992	$213,387	$144,396	3.09
Rate Impact Test (RIM)		$360,495	$213,387	-$147,108	0.59
Participant Cost Test (PCT)		$113,855	$401,099	$287,244	3.52
Lifecycle Revenue Impacts ($/kWh)					$0.0000028225
Discounted Participant Payback (years)					2.68

Table 9 - Wattsmart Business Food Service Equipment Cost-Effectiveness Results (Decrement - East System - 40%, Load Shape – Industrial Machinery General)

Cost-Effectiveness Test	Levelized $/kWh	Costs	Benefits	Net Benefits	Benefit/Cost Ratio
Total Resource Cost Test (PTRC) + Conservation Adder	$0.0758	$57,695	$55,187	-$2,508	0.96
Total Resource Cost Test (TRC) No Adder	$0.0758	$57,695	$50,170	-$7,525	0.87
Utility Cost Test (UCT)	$0.0353	$26,867	$50,170	$23,303	1.87
Rate Impact Test (RIM)		$99,464	$50,170	-$49,295	0.50
Participant Cost Test (PCT)		$57,199	$104,608	$47,409	1.83
Lifecycle Revenue Impacts ($/kWh)					$0.0000023799
Discounted Participant Payback (years)					3.20

Table 10 - Wattsmart Business HVAC Cost-Effectiveness Results (Decrement - East System - 40%, Load Shape – HVAC)

Cost-Effectiveness Test	Levelized $/kWh	Costs	Benefits	Net Benefits	Benefit/Cost Ratio
Total Resource Cost Test (PTRC) + Conservation Adder	$0.0659	$569,748	$716,402	$146,655	1.26
Total Resource Cost Test (TRC) No Adder	$0.0659	$569,748	$651,275	$81,527	1.14
Utility Cost Test (UCT)	$0.0330	$285,039	$651,275	$366,236	2.28
Rate Impact Test (RIM)		$1,105,424	$651,275	-$454,149	0.59
Participant Cost Test (PCT)		$543,518	$1,161,445	$617,928	2.14
Lifecycle Revenue Impacts ($/kWh)					$0.0000087135
Discounted Participant Payback (years)					5.77

Table 11 - Wattsmart Business Irrigation Cost-Effectiveness Results
(Decrement - East System - 40%, Load Shape – Irrigation)

Cost-Effectiveness Test	Levelized $/kWh	Costs	Benefits	Net Benefits	Benefit/Cost Ratio
Total Resource Cost Test (PTRC) + Conservation Adder	$0.0806	$804,955	$844,884	$39,929	1.05
Total Resource Cost Test (TRC) No Adder	$0.0806	$804,955	$768,076	-$36,878	0.95
Utility Cost Test (UCT)	$0.0489	$487,915	$768,076	$280,162	1.57
Rate Impact Test (RIM)		$1,454,601	$768,076	-$686,525	0.53
Participant Cost Test (PCT)		$764,669	$1,488,875	$724,206	1.95
Lifecycle Revenue Impacts ($/kWh)					$0.0000283957
Discounted Participant Payback (years)					3.02

Table 12 - Wattsmart Business Lighting Cost-Effectiveness Results
(Decrement - East System - 40%, Load Shape – Commercial Lighting)

Cost-Effectiveness Test	Levelized $/kWh	Costs	Benefits	Net Benefits	Benefit/Cost Ratio
Total Resource Cost Test (PTRC) + Conservation Adder	$0.0384	$3,251,180	$6,929,244	$3,678,065	2.13
Total Resource Cost Test (TRC) No Adder	$0.0384	$3,251,180	$6,299,313	$3,048,133	1.94
Utility Cost Test (UCT)	$0.0227	$1,922,730	$6,299,313	$4,376,583	3.28
Rate Impact Test (RIM)		$9,843,668	$6,299,313	-$3,544,356	0.64
Participant Cost Test (PCT)		$2,981,459	$10,445,999	$7,464,540	3.50
Lifecycle Revenue Impacts ($/kWh)					$0.0000729148
Discounted Participant Payback (years)					2.41

Table 13 - Wattsmart Business Motors Cost-Effectiveness Results
(Decrement - East System - 40%, Load Shape – Industrial Machinery General)

Cost-Effectiveness Test	Levelized $/kWh	Costs	Benefits	Net Benefits	Benefit/Cost Ratio
Total Resource Cost Test (PTRC) + Conservation Adder	$0.0522	$109,088	$157,577	$48,489	1.44
Total Resource Cost Test (TRC) No Adder	$0.0522	$109,088	$143,252	$34,164	1.31
Utility Cost Test (UCT)	$0.0218	$45,535	$143,252	$97,716	3.15
Rate Impact Test (RIM)		$207,536	$143,252	-$64,284	0.69
Participant Cost Test (PCT)		$117,434	$230,305	$112,871	1.96
Lifecycle Revenue Impacts ($/kWh)					$0.0000012334
Discounted Participant Payback (years)					6.28

Table 14 - Wattsmart Business Refrigeration Cost-Effectiveness Results (Decrement - East System – 40%, Load Shape – Commercial Refrigeration)

Cost-Effectiveness Test	Levelized $/kWh	Costs	Benefits	Net Benefits	Benefit/Cost Ratio
Total Resource Cost Test (PTRC) + Conservation Adder	$0.0435	$141,269	$252,105	$110,837	1.78
Total Resource Cost Test (TRC) No Adder	$0.0435	$141,269	$229,187	$87,918	1.62
Utility Cost Test (UCT)	$0.0130	$42,092	$229,187	$187,095	5.44
Rate Impact Test (RIM)		$287,055	$229,187	-$57,868	0.80
Participant Cost Test (PCT)		$135,139	$280,926	$145,787	2.08
Lifecycle Revenue Impacts ($/kWh)					$0.0000011103
Discounted Participant Payback (years)					4.92

NAVIGANT

Memorandum

To: Nikki Karpavich, PacifiCorp/Rocky Mountain Power

From: David Basak, Navigant

Date: April 3, 2017

Re: Cost-Effectiveness Results for the Home Energy Savings Program - Idaho

Navigant estimated the cost-effectiveness results for the Idaho Home Energy Savings Program, based on 2016 costs and savings estimates provided by PacifiCorp. This memo provides the cost-effectiveness results for the overall program and for the 7 measure categories.

Cost-effectiveness was tested using the 2015 IRP east residential whole house 31% and east residential lighting 47% decrements. The program passes the cost-effectiveness for all the tests except the RIM test. The memo consists of the following tables.

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Table 1 - Home Energy Savings Inputs

Parameter	Value
Discount Rate	6.66%
Residential Line Loss	11.47%
Residential Energy Rate ($/kWh)	$0.1041
Inflation Rate[1]	1.9%

[1] Future rates determined using a 1.9% annual escalator.

Table 2 – 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	$136	$4,296	$47	$5,810	$10,289	$16,095
Building Shell	$0	$321	$10,144	$112	$14,827	$25,404	$29,300
Energy Kits - DHW	$0	$1,806	$27,924	$627	$7,730	$38,087	$8,528
Energy Kits - Lighting	$0	$122	$1,878	$42	$2,068	$4,110	$2,492
HVAC	$0	$8,868	$280,094	$3,080	$120,202	$412,243	$163,041
Lighting	$0	$5,816	$53,295	$2,020	$38,768	$99,898	$183,818
Whole Home	$0	$117	$3,688	$41	$4,500	$8,346	$5,047
Total	**$0**	**$17,186**	**$381,319**	**$5,969**	**$193,904**	**$598,378**	**$408,321**

Table 3 – 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	13,408	100%	13,408	100%	13,408	14
Building Shell	31,661	100%	31,661	100%	31,661	35
Energy Kits - DHW	178,071	79%	140,676	90%	126,608	10
Energy Kits - Lighting	11,978	79%	9,462	90%	8,516	9
HVAC	874,184	82%	716,831	96%	688,158	18
Lighting	573,340	100%	573,340	55%	315,337	9
Whole Home	11,511	100%	11,511	80%	9,209	32
Total	**1,694,153**	**88%**	**1,496,890**	**80%**	**1,192,897**	**14**

Table 4 - Benefit/Cost Ratios by Measure Category

Measure Group	PTRC	TRC	UCT	RIM	PCT
Appliances with NEBs	1.68	1.64	0.92	0.37	2.80
Appliances	0.51	0.46	0.92	0.37	1.30
Building Shell	1.48	1.34	2.11	0.63	2.55
Energy Kits with NEBs - DHW	3.87	3.69	1.76	0.45	23.87
Energy Kits - DHW	1.94	1.77	1.76	0.45	15.28
Energy Kits with NEBs - Lighting	3.14	3.04	1.00	0.38	7.44
Energy Kits - Lighting	1.06	0.96	1.00	0.38	3.87
HVAC	1.93	1.76	1.91	0.59	6.59
Lighting with NEBs	6.68	6.20	1.53	0.43	3.89
Lighting	1.03	0.94	1.53	0.43	2.71
Whole Home	1.49	1.36	1.28	0.43	5.06
Total (with NEBs)	**3.07**	**2.84**	**1.82**	**0.55**	**5.28**
Total	**1.66**	**1.51**	**1.82**	**0.55**	**4.49**

Table 5 – Home Energy Savings Program Level (without NEBs) Cost-Effectiveness Results

Cost-Effectiveness Test	Levelized $/kWh	Costs	Benefits	Net Benefits	Benefit/Cost Ratio
Total Resource Cost Test (PTRC) + Conservation Adder	$0.0585	$721,443	$1,194,898	$473,455	1.66
Total Resource Cost Test (TRC) No Adder	$0.0585	$721,443	$1,086,271	$364,827	1.51
Utility Cost Test (UCT)	$0.0485	$598,378	$1,086,271	$487,893	1.82
Rate Impact Test (RIM)		$1,976,517	$1,086,271	-$890,246	0.55
Participant Cost Test (PCT)		$408,321	$1,834,081	$1,425,760	4.49
Lifecycle Revenue Impacts ($/kWh)					$0.0000171858
Discounted Participant Payback (years)					1.73

Table 6 through Table 12 provides cost-effectiveness results without NEBs for all 7 measures.

Table 6 - Home Energy Savings Appliances Cost-Effectiveness Results
(Decrement - East Residential Whole House - 31%, Load Shape – Water Heating)

Cost-Effectiveness Test	Levelized $/kWh	Costs	Benefits	Net Benefits	Benefit/Cost Ratio
Total Resource Cost Test (PTRC) + Conservation Adder	$0.1526	$20,574	$10,398	-$10,176	0.51
Total Resource Cost Test (TRC) No Adder	$0.1526	$20,574	$9,453	-$11,122	0.46
Utility Cost Test (UCT)	$0.0763	$10,289	$9,453	-$837	0.92
Rate Impact Test (RIM)		$25,341	$9,453	-$15,888	0.37
Participant Cost Test (PCT)		$16,095	$20,861	$4,766	1.30
Lifecycle Revenue Impacts ($/kWh)					$0.0000003067
Discounted Participant Payback (years)					8.55

Table 7 - Home Energy Savings Building Shell Cost-Effectiveness Results
(Decrement - East Residential Whole House - 31%, Load Shape – Cooling)

Cost-Effectiveness Test	Levelized $/kWh	Costs	Benefits	Net Benefits	Benefit/Cost Ratio
Total Resource Cost Test (PTRC) + Conservation Adder	$0.0746	$39,877	$58,972	$19,095	1.48
Total Resource Cost Test (TRC) No Adder	$0.0746	$39,877	$53,611	$13,734	1.34
Utility Cost Test (UCT)	$0.0475	$25,404	$53,611	$28,207	2.11
Rate Impact Test (RIM)		$85,435	$53,611	-$31,824	0.63
Participant Cost Test (PCT)		$29,300	$74,858	$45,558	2.55
Lifecycle Revenue Impacts ($/kWh)					$0.0000002536
Discounted Participant Payback (years)					4.69

Table 8 - Home Energy Savings Energy Kits – DHW Cost-Effectiveness Results
(Decrement - East Residential Whole House - 31%, Load Shape – Water Heating)

Cost-Effectiveness Test	Levelized $/kWh	Costs	Benefits	Net Benefits	Benefit/Cost Ratio
Total Resource Cost Test (PTRC) + Conservation Adder	$0.0385	$38,033	$73,870	$35,837	1.94
Total Resource Cost Test (TRC) No Adder	$0.0385	$38,033	$67,154	$29,122	1.77
Utility Cost Test (UCT)	$0.0385	$38,087	$67,154	$29,067	1.76
Rate Impact Test (RIM)		$148,391	$67,154	-$81,237	0.45
Participant Cost Test (PCT)		$8,528	$130,289	$121,761	15.28
Lifecycle Revenue Impacts ($/kWh)					$0.0000021450
Discounted Participant Payback (years)					0.06

Table 9 - Home Energy Savings Energy Kits – Lighting Cost-Effectiveness Results
(Decrement - East Residential Lighting - 47%, Load Shape – Lighting)

Cost-Effectiveness Test	Levelized $/kWh	Costs	Benefits	Net Benefits	Benefit/Cost Ratio
Total Resource Cost Test (PTRC) + Conservation Adder	$0.0700	$4,285	$4,531	$246	1.06
Total Resource Cost Test (TRC) No Adder	$0.0700	$4,285	$4,119	-$166	0.96
Utility Cost Test (UCT)	$0.0672	$4,110	$4,119	$9	1.00
Rate Impact Test (RIM)		$10,930	$4,119	-$6,812	0.38
Participant Cost Test (PCT)		$2,492	$9,646	$7,154	3.87
Lifecycle Revenue Impacts ($/kWh)					$0.0000001980
Discounted Participant Payback (years)					0.47

Table 10 - Home Energy Savings HVAC Cost-Effectiveness Results
(Decrement - East Residential Whole House - 31%, Load Shape – Cooling)

Cost-Effectiveness Test	Levelized $/kWh	Costs	Benefits	Net Benefits	Benefit/Cost Ratio
Total Resource Cost Test (PTRC) + Conservation Adder	$0.0547	$448,561	$867,578	$419,017	1.93
Total Resource Cost Test (TRC) No Adder	$0.0547	$448,561	$788,707	$340,146	1.76
Utility Cost Test (UCT)	$0.0503	$412,243	$788,707	$376,464	1.91
Rate Impact Test (RIM)		$1,328,816	$788,707	-$540,109	0.59
Participant Cost Test (PCT)		$163,041	$1,074,965	$911,924	6.59
Lifecycle Revenue Impacts ($/kWh)					$0.0000082065
Discounted Participant Payback (years)					0.59

Table 11 - Home Energy Savings Lighting Cost-Effectiveness Results
(Decrement - East Residential Lighting - 47%, Load Shape - Lighting)

Cost-Effectiveness Test	Levelized $/kWh	Costs	Benefits	Net Benefits	Benefit/Cost Ratio
Total Resource Cost Test (PTRC) + Conservation Adder	$0.0716	$162,231	$167,767	$5,537	1.03
Total Resource Cost Test (TRC) No Adder	$0.0716	$162,231	$152,516	-$9,715	0.94
Utility Cost Test (UCT)	$0.0441	$99,898	$152,516	$52,617	1.53
Rate Impact Test (RIM)		$352,448	$152,516	-$199,932	0.43
Participant Cost Test (PCT)		$183,818	$497,948	$314,130	2.71
Lifecycle Revenue Impacts ($/kWh)					$0.0000058111
Discounted Participant Payback (years)					4.72

Table 12 - Home Energy Savings Whole Home Cost-Effectiveness Results (Decrement - East Residential Whole House - 31%, Load Shape – Whole House)

Cost-Effectiveness Test	Levelized $/kWh	Costs	Benefits	Net Benefits	Benefit/Cost Ratio
Total Resource Cost Test (PTRC) + Conservation Adder	$0.0526	$7,883	$11,781	$3,899	1.49
Total Resource Cost Test (TRC) No Adder	$0.0526	$7,883	$10,710	$2,828	1.36
Utility Cost Test (UCT)	$0.0557	$8,346	$10,710	$2,365	1.28
Rate Impact Test (RIM)		$25,156	$10,710	-$14,445	0.43
Participant Cost Test (PCT)		$5,047	$25,513	$20,466	5.06
Lifecycle Revenue Impacts ($/kWh)					$0.0000001257
Discounted Participant Payback (years)					0.56

In addition to the energy benefits reported above, appliances, energy savings kits and lighting in the Home Energy Savings program offer significant non-energy benefits (NEBs). Table 13 through Table 17 detail the non-energy benefits and cost-effectiveness results.

Table 13 - Home Energy Savings Non-Energy Benefits by Measure

Measure Name	Non-Energy Benefits Water ($/yr)	Non-Energy Benefits Other ($/yr)	Quantity	Measure Life	Total NEBs ($/yr)	Discount Rate	Total Net Present Value Benefits
Appliances	$2,562	$0	91	13.8	$2,562	6.66%	$24,207.66
Energy Kits - DHW	$9,567	$0	415	10.1	$9,567	6.66%	$73,276.16
Energy Kits - Lighting	$0	$1,163	415	10.1	$1,163	6.66%	$8,904.06
Lighting	$0	$24,884	31848	8.7	$24,884	6.66%	$171,294.96

The following tables provide the cost-effectiveness results after adding in the non-energy benefits detailed above beginning with the overall program results.

Table 14 - Home Energy Savings Program (with NEBs) Cost-Effectiveness Results (Decrement - East Residential Lighting - 47%, Load Shape - Lighting)

Cost-Effectiveness Test	Levelized $/kWh	Costs	Benefits	Net Benefits	Benefit/Cost Ratio
Total Resource Cost Test (PTRC) + Conservation Adder	$0.0585	$721,443	$2,217,926	$1,496,483	3.07
Total Resource Cost Test (TRC) No Adder	$0.0585	$721,443	$2,045,680	$1,324,237	2.84
Utility Cost Test (UCT)	$0.0485	$598,378	$1,086,271	$487,893	1.82
Rate Impact Test (RIM)		$1,976,517	$1,086,271	-$890,246	0.55
Participant Cost Test (PCT)		$408,321	$2,157,299	$1,748,979	5.28
Lifecycle Revenue Impacts ($/kWh)					$0.0000019156
Discounted Participant Payback (years)					1.73

Table 15 - Home Energy Savings Appliances (with NEBs) Cost-Effectiveness Results (Decrement - East Residential Whole House - 31%, Load Shape – Water Heating)

Cost-Effectiveness Test	Levelized $/kWh	Costs	Benefits	Net Benefits	Benefit/Cost Ratio
Total Resource Cost Test (PTRC) + Conservation Adder	$0.1526	$20,574	$34,606	$14,031	1.68
Total Resource Cost Test (TRC) No Adder	$0.1526	$20,574	$33,660	$13,086	1.64
Utility Cost Test (UCT)	$0.0763	$10,289	$9,453	-$837	0.92
Rate Impact Test (RIM)		$25,341	$9,453	-$15,888	0.37
Participant Cost Test (PCT)		$16,095	$45,069	$28,974	2.80
Lifecycle Revenue Impacts ($/kWh)					$0.0000003067
Discounted Participant Payback (years)					8.55

Table 16 - Home Energy Savings Energy Kit – DHW (with NEBs) Cost-Effectiveness Results (Decrement - East Residential Whole House - 31%, Load Shape – Water Heating)

Cost-Effectiveness Test	Levelized $/kWh	Costs	Benefits	Net Benefits	Benefit/Cost Ratio
Total Resource Cost Test (PTRC) + Conservation Adder	$0.0385	$38,033	$147,146	$109,113	3.87
Total Resource Cost Test (TRC) No Adder	$0.0385	$38,033	$140,431	$102,398	3.69
Utility Cost Test (UCT)	$0.0385	$38,087	$67,154	$29,067	1.76
Rate Impact Test (RIM)		$148,391	$67,154	-$81,237	0.45
Participant Cost Test (PCT)		$8,528	$203,566	$195,038	23.87
Lifecycle Revenue Impacts ($/kWh)					$0.0000021450
Discounted Participant Payback (years)					0.06

Table 17 - Home Energy Savings Energy Kit – Lighting (with NEBs) Cost-Effectiveness Results (Decrement - East Residential Lighting - 47%, Load Shape - Lighting)

Cost-Effectiveness Test	Levelized $/kWh	Costs	Benefits	Net Benefits	Benefit/Cost Ratio
Total Resource Cost Test (PTRC) + Conservation Adder	$0.0700	$4,285	$13,435	$9,150	3.14
Total Resource Cost Test (TRC) No Adder	$0.0700	$4,285	$13,023	$8,738	3.04
Utility Cost Test (UCT)	$0.0672	$4,110	$4,119	$9	1.00
Rate Impact Test (RIM)		$10,930	$4,119	-$6,812	0.38
Participant Cost Test (PCT)		$2,492	$18,550	$16,058	7.44
Lifecycle Revenue Impacts ($/kWh)					$0.0000001980
Discounted Participant Payback (years)					0.47

Table 18 - Home Energy Savings Lighting (with NEBs) Cost-Effectiveness Results (Decrement - East Residential Lighting - 47%, Load Shape - Lighting)

Cost-Effectiveness Test	Levelized $/kWh	Costs	Benefits	Net Benefits	Benefit/Cost Ratio
Total Resource Cost Test (PTRC) + Conservation Adder	$0.0716	$162,231	$1,084,408	$922,177	6.68
Total Resource Cost Test (TRC) No Adder	$0.0716	$162,231	$1,005,537	$843,307	6.20
Utility Cost Test (UCT)	$0.0441	$99,898	$152,516	$52,617	1.53
Rate Impact Test (RIM)		$352,448	$152,516	-$199,932	0.43
Participant Cost Test (PCT)		$183,818	$714,779	$530,960	3.89
Lifecycle Revenue Impacts ($/kWh)					$0.0000058111
Discounted Participant Payback (years)					4.72

NAVIGANT

Memorandum

To: Nikki Karpavich, PacifiCorp/Rocky Mountain Power

From: David Basak, Navigant

Date: April 3, 2017

Re: Cost-Effectiveness Results for the Low Income Weatherization Program - Idaho

Navigant estimated the cost-effectiveness results for the Idaho Low Income Weatherization Program, based on 2016 costs and savings estimates provided by PacifiCorp. This memo provides the cost-effectiveness results for the overall program.

Cost-effectiveness was tested using the 2015 IRP east residential whole house 31% load factor decrement. The program does not pass any of the cost-effectiveness tests.

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Table 1 - Low Income Weatherization Inputs

Parameter	Value
Discount Rate	6.66%
Residential Line Loss	11.47%
Residential Energy Rate ($/kWh)(base year 2016)	$0.1041
Inflation Rate[1]	1.9%

[1] Future rates determined using a 1.9% annual escalator.

Table 2 - Low Income Weatherization Annual Program Costs

Measure Group	Engineering Costs	Utility Admin	Program Delivery	Program Admin	Incentives	Total Utility Costs	Gross Customer Costs
Low Income Weatherization	$0	$12,986	$13,429	$357	$220,561	$247,333	$0
Total	**$0**	**$12,986**	**$13,429**	**$357**	**$220,561**	**$247,333**	**$0**

Table 3 - 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	140,069	100%	140,069	100%	140,069	25
Total	**140,069**	**100%**	**140,069**	**100%**	**140,069**	**25**

Table 4 - Benefit/Cost Ratios by Measure Category

Measure Group	PTRC	TRC	UCT	RIM	PCT
Low Income Weatherization with NEBs	1.04	0.96	0.81	0.42	n/a
Low Income Weatherization	0.89	0.81	0.81	0.42	n/a

Table 5 - Low Income Weatherization Program Level (without NEBs) Cost-Effectiveness (Decrement - East Residential Whole House - 31%, Load Shape – Cooling)

Cost-Effectiveness Test	Levelized $/kWh	Costs	Benefits	Net Benefits	Benefit/Cost Ratio
Total Resource Cost Test (PTRC) + Conservation Adder	$0.1223	$247,333	$219,310	-$28,024	0.89
Total Resource Cost Test (TRC) No Adder	$0.1223	$247,333	$199,372	-$47,961	0.81
Utility Cost Test (UCT)	$0.1223	$247,333	$199,372	-$47,961	0.81
Rate Impact Test (RIM)		$473,935	$199,372	-$274,562	0.42
Participant Cost Test (PCT)		$0	$447,163	$447,163	n/a
Lifecycle Revenue Impacts ($/kWh)					$0.0000030377
Discounted Participant Payback (years)					n/a

In addition to the energy benefits reported above, the Low Income program offers significant non-energy benefits (NEBs). Table 6 details the non-energy benefits and Table 7 provides the cost-effectiveness results.

Table 6 - Low Income Weatherization Non-Energy Benefits

Non-Energy Benefit	Program Impact	Perspective Adjusted
Health and Safety Benefit	$35,758.42	PTRC, TRC
Total NEB	$1,498.86	PTRC, TRC
Total	**$37,257.28**	**-**

Table 7 - Low Income Weatherization Program (with NEBs) Level Cost-Effectiveness Results (Decrement - East Residential Whole House - 31%, Load Shape – Cooling)

Cost-Effectiveness Test	Levelized $/kWh	Costs	Benefits	Net Benefits	Benefit/Cost Ratio
Total Resource Cost Test (PTRC) + Conservation Adder	$0.1223	$247,333	$256,567	$9,234	1.04
Total Resource Cost Test (TRC) No Adder	$0.1223	$247,333	$236,630	-$10,704	0.96
Utility Cost Test (UCT)	$0.1223	$247,333	$199,372	-$47,961	0.81
Rate Impact Test (RIM)		$473,935	$199,372	-$274,562	0.42
Participant Cost Test (PCT)		$0	$447,163	$447,163	n/a
Lifecycle Revenue Impacts ($/kWh)					$0.0000030377
Discounted Participant Payback (years)					n/a

NAVIGANT

Memorandum

To: Nikki Karpavich, PacifiCorp/Rocky Mountain Power

From: David Basak, Navigant

Date: April 3, 2017

Re: Cost-Effectiveness Results for the Home Energy Reporting Program - Idaho

Navigant estimated the cost-effectiveness results for the Idaho Home Energy Reporting Program, based on 2016 costs and savings estimates provided by PacifiCorp. This memo provides the cost-effectiveness results for the overall program.

Cost-effectiveness was tested using the 2015 IRP east residential whole house 31% load factor decrement. The program passes the cost-effectiveness for all the tests except the RIM and PCT tests.

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Table 1 - Home Energy Reporting Inputs

Parameter	Value
Discount Rate	6.66%
Residential Line Loss	11.47%
Residential Energy Rate ($/kWh)	$0.1041
Inflation Rate[1]	1.9%

[1] Future rates determined using a 1.9% annual escalator.

Table 2 – Home Energy Reporting Annual Program Costs

Measure Group	Engineering Costs	Utility Admin	Program Dev.	Program Delivery	Incentives	Total Utility Costs	Gross Customer Costs
Home Energy Reports	$0	$7,648	$802	$117,690	$0	$126,140	$0
Total	**$0**	**$7,648**	**$802**	**$117,690**	**$0**	**$126,140**	**$0**

Table 3 – Home Energy Reporting Savings by Measure Category

Measure Group	Gross kWh Savings	Realization Rate	Adjusted Gross kWh Savings	Net to Gross Ratio	Net kWh Savings	Measure Life
Home Energy Reports	3,422,891	100%	3,422,891	100%	3,422,891	1
Total	**3,422,891**	**100%**	**3,422,891**	**100%**	**3,422,891**	**1**

Table 4 - Home Energy Reporting Program Level Cost-Effectiveness Results
(Decrement - East Residential Whole House - 31%, Load Shape – Whole House)

Cost-Effectiveness Test	Levelized $/kWh	Costs	Benefits	Net Benefits	Benefit/Cost Ratio
Total Resource Cost Test (PTRC) + Conservation Adder	$0.0386	$126,140	$212,596	$86,456	1.69
Total Resource Cost Test (TRC) No Adder	$0.0386	$126,140	$193,269	$67,129	1.53
Utility Cost Test (UCT)	$0.0386	$126,140	$193,269	$67,129	1.53
Rate Impact Test (RIM)		$489,233	$193,269	-$295,964	0.40
Participant Cost Test (PCT)		$0	$363,093	$363,093	n/a
Lifecycle Revenue Impacts ($/kWh)					$0.0000431967
Discounted Participant Payback (years)					0.00

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Appendix 2
Program Expenditures by Category
2016

Program Year	Program	Adjusted Total	Admin - Program Delivery Total	Admin - Utility Total	Customer Incentive Total	Dealer/Trade Ally Incentive Total	Engineering Total	Evaluation Total	Marketing Total	Prog Develop Total
2016	Home Energy Reporting	$ 126,140	$ 117,690	$ 7,648					$ 705	$ 97
2016	Home Energy Savings	$ 598,378	$ 381,319	$ 17,186	$ 54,659	$ 139,245		$ 1,210	$ 1,248	$ 3,510
2016	Low Income Weatherization	$ 247,333	$ 13,429	$ 12,986	$ 220,561			$ 255	$ 59	$ 42
2016	Low Income Education	$ 25,000		$ 25,000						
2016	See Ya Later Refrigerator	$ 2,153	$ 380	$ 754	$ 33			$ 521		$ 465
2016	wattsmart Business - Agricultural	$ 332,565		$ 7,712	$ 321,358		$ 3,495			
2016	wattsmart Business - Commercial	$ 1,533,267		$ 23,645	$ 1,384,526		$ 40,192	$ 84,900	$ 4	
2016	wattsmart Business - Industrial	$ 249,442		$ 9,182	$ 178,649		$ 61,607	$ -	$ 4	
2016	wattsmart Business - Portfolio	$ 825,124	$ 773,452					$ 9,430	$ 36,398	$ 5,843
2016	Outreach & Comm - wattsmart	$ 126,990	$ -	$ 657					$ 126,333	
2016	Portfolio - DSM Central	$ 9,563	$ 8,316	$ 1,247						
2016	Portfolio - TRL	$ 4,798	$ 680	$ 4,118						
2016	Portfolio - Potential Study	$ 55,406	$ 53,596	$ 1,810						
2016	Portfolio Evaluation - C&I	$ 214,647	$ 48,818	$ 13,603				$ 152,225		
2016	Portfolio Evaluation - Residential	$ 149,526		$ 16,044				$ 133,482		
	Total of all programs	**$ 4,500,332**	**$ 1,397,681**	**$ 141,592**	**$ 2,159,786**	**$ 139,245**	**$ 105,294**	**$ 382,023**	**$ 164,752**	**$ 9,958**

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Appendix 3
Idaho Energy Efficiency
Measure Installation Verifications

Idaho Measure Installation Verifications

Low Income Weatherization

All projects

- All measures are qualified through US Department of Energy approved audit tool.
- 100 percent inspection by agency inspector of all homes treated, reconciling work completed and quality (corrective action includes measure verification) prior to invoicing Company.
- Community Action Partnership Association of Idaho (CAPAI) follows with random inspections.
- Company program manager joins CAPAI and state inspectors during their monitoring session provided their random selection of homes includes dwellings funded by Rocky Mountain Power.

Home Energy Saver

Site inspections are performed by Program Administrator staff for the following retrofit measures. Inspections are performed on $\geq$ 5 percent of single family homes, $\geq$ 5 percent of manufactured homes, and 100 percent of multifamily projects.

- Duct sealing
- Duct sealing and insulation
- Ductless heat pumps
- Gas furnace with electrically commutated motor (ECM)
- Ground source heat pumps
- Heat pumps
- Heat pump best practices installation and proper sizing
- Heat pump tune-ups
- Heat pump water heaters
- Insulation
- Windows

Site inspections are not conducted for the following measures. However, all post-purchase incented measures undergo a quality assurance review prior to the issuance of the customer/dealer incentive and recording of savings (e.g. 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.

- Central air conditioners
- Clothes washers
- Evaporative coolers
- Freezers
- Refrigerators

Site inspections are not conducted for the following measures, which are delivered via an upstream, manufacturer buy-down model. Promotion agreement contracts are signed with

manufacturers and retailers to set incentive levels, final product prices, and limits to the total number of units that can be purchased per customer. Program Administrator verifies measures for product eligibility and correct pricing. Pricing is also verified by Program Administrator field visits to retail locations.

- CFL bulbs
- LED bulbs
- Light fixtures
- Room air conditioners
- Advanced power strips

Customer eligibility for *watt*smart Starter Kits is verified using the customer's account number and last name, and cross-verifying with the current PacifiCorp customer database.

wattsmart Business

<u>For projects delivered by third party program administrator</u>

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 (typical upgrades/listed measures, custom measures)

- 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.

<u>For Company in-house project manager delivered projects</u>

Lighting and non-lighting

- 100 percent pre/post-installation site inspections by third party consulting engineering firms, invoice reconciled to inspection results.
- No pre-inspection for new construction

All Programs

As part of the third-party program evaluations (two-year cycle) process, the Company has 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.

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Appendix 4
Home Energy Savings Retailers
2016

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Table 1: 2016 Participating Midstream/Upstream Retailers

Retailer	City	State	CFLs	LEDs	Fixtures
Ace Hardware #14355	Rexburg	ID	x	x	
Ace Hardware #15881	Lava Hot Spring	ID		x	
Broulim's Fresh Foods #1	Montpelier	ID	x	x	
Broulim's Fresh Foods #2	Rexburg	ID		x	
Costco #1033	Pocatello	ID	x	x	x
Do It Best - Malad City	Malad City	ID	x	x	x
Do It Best - Yellowstone	Rigby	ID	x	x	
Dollar Tree #2762	Pocatello	ID	x		
Dollar Tree #3691	Rexburg	ID	x		
Downey Food Center #1	Downey	ID	x	x	
Family Dollar #6790	Montpelier	ID		x	
Family Dollar #8427	Malad City	ID	x	x	
Home Depot #1807	Chubbuck	ID	x	x	
Lowe's #2587	Pocatello	ID	x	x	
Stokes Marketplace	Preston	ID	x		
Thomas Market Inc. #1	Malad City	ID	x	x	
True Value Agri - Service	Terreton	ID	x	x	
True Value Hardware #10217	Montpelier	ID	x	x	
True Value Hardware #10919	Rigby	ID	x	x	
Wal-Mart - Supercenter #1995	Chubbuck	ID	x	x	
Wal-Mart #1878	Rexburg	ID	x	x	x
Wal-Mart #1905	Blackfoot	ID	x	x	

Table 2: 2016 Participating Downstream Retailers

Participating Retailer (Retailers who are actively enrolled in the program)	City*	State	Clothes Washer	Clothes Dryer	Smart Thermostat	Refrigerator	Freezer	Evaporative Cooler - Tier 2	Heat Pump Water Heater	Heat Pump Water Heater, Self-installed	Insulation-Attic	Insulation-Attic, Self-Installed	Insulation-Wall	Windows	No Redemptions in 2016
Home Depot #1802	Idaho Falls	ID	x		x	x		x				x		x	
Home Depot #4401	Riverdale	ID						x							
Home Depot #4414*	Logan	UT	x					x							
Home Depot #4421*	Sandy	UT						x							
Lowe's #1501*	Logan	UT	x												
Lowe's #1906	Idaho Falls	ID	x		x				x			x			
Sears #2278	Idaho Falls	ID	x												
Best Buy #944	Idaho Falls	ID			x										
Denning's Showcase	Idaho Falls	ID	x												
Sears #3290	Rexburg	ID	x												
Sears #3539*	Logan	UT	x												
Lowe's of Pocatello	Pocatello	ID	x						x						
Wal-Mart #1902	Idaho Falls	ID			x										

Retailer located in Utah but participated in the program

Redemptions from Non-Participating Retailer's (Retailer may not be located in the service territory)	City*	State	Clothes Washer	Clothes Dryer	Smart Thermostat	Refrigerator	Freezer	Evaporative Cooler - Tier 2	Heat Pump Water Heater	Heat Pump Water Heater, Self-installed	Insulation-Attic	Insulation-Attic,Self-	Insulation-Wall	Windows
Amazon.com	Online	N/A			x									
BestBuy.com	Online	N/A	x		x		x							
Bomgaars	Preston	ID						x						
Brand Source	Rexburg	ID	x											
HomeDepot.com	Online	N/A	x											
Lowe's of Wilkesboro	Wilkesboro	NC	x											
Lowes.com	Online	N/A							x					
Sears.com	Online	N/A	x											
Stronks & Sons Do It Best	Ashton	ID	x											
Yellowstone Doit Center LLC	Rigby	ID												x

Table 3: 2016 Participating Idaho HVAC Trade Allies

Trade Ally Name (Trade ally may be located outside of the territory)	City	State	Central Air Conditioner Equipment	Duct Sealing & Insulation	Efficient Gas Furnace with ECM	Electric System to Ground Source Heat Pump Conversion	Electric System to Ground Source Heat Pump Conversion	Electric System to Heat Pump Conversion - Tier 1	Electric System to Heat Pump Conversion - Tier 2	Evaporative Cooler - Tier 2	Heat Pump to Heat Pump Upgrade - Tier 1	Heat Pump, Ductless	Heat Pump, Multi-Head, Ductless	Heat Pump, Single-Head, Ductless
Alpha Mechanical Heating & AC	Idaho Falls	ID										x		
Alpine Heating	Idaho Falls	ID	x		x							x		
Conan Heating Inc.	Idaho Falls	ID	x		x	x						x		
Excellence Heating & Cooling	Idaho Falls	ID				x								
First Call Jewel Inc.	Idaho Falls	ID	x		x		x					x		
Modern Plumbing Heating & Electric	Rigby	ID			x									
Sermon Service & Electric	Idaho Falls	ID		x										
Sprinter Heating and Hydronics	Rigby	ID	x											
Young Electric, Heating, and Air	Idaho Falls	ID										x		
Mathews Plumbing & Heating Inc	Shelley	ID										x		

Table 4: 2016 Participating Idaho Weatherization Trade Allies

Trade Ally Name (Trade ally may be located outside of the territory)	City	State	Insulation-Attic	Insulation-Floor	Insulation-Wall	Windows	No Redemptions in 2016
Advanced Insulation	Idaho Falls	ID	x	x	x		
BMC West	Idaho Falls	ID	x			x	
Bruce Allsop Insulation	Hyrum	UT	x	x	x		
Campbell's Quality Exteriors	Idaho Falls	ID				x	
Chris Kent Inc	Idaho Falls	ID				x	
Green Acres Home Improvement	Idaho Falls	ID				x	
High Country Glass & Mirror, Inc.	St. Anthony	ID				x	
Johnson Brothers, Inc	Idaho Falls	ID				x	
K-Designers	Billings	MT				x	
Mountain River Homes	Rexburg	ID				x	
Newt Construction LLC	Idaho Falls	ID				x	
USI Cardalls LLC	Logan	UT	x				
Valley Glass	Idaho Falls	ID				x	
American Exteriors LLC	West Valley City	UT				x	

Table 5: 2016 Participating Idaho Manufactured Homes Trade Allies

Trade Ally Name (Trade ally may be located outside of the territory)	City	State	Manufactured Homes Duct Sealing	No redemptions in 2016
Home Energy Experts	Centerville	UT	x	

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Appendix 5

*watt*smart Business Energy Efficiency Alliance 2016

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 2013, 2014 and/or 2015.

Search Criteria:

Selected State(s):	Idaho
Specialties:	HVAC - evaporative HVAC - unitary
Business Type:	--ANY--

Search Results: 42 - Date and Time: 03/30/2017 02:54:06 PM

	Specialties	Business Type	Join Date	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	
American Mechanical Systems Service, LLC 7530 South State Street Midvale, UT - 84047 Phone: 801-428-0400 Website: www.ams-ut.com	Controls HVAC - unitary Motors and VFDs	Contractor	11/30/2012	
Architectural Nexus, Inc. 2505 East Parleys Way Salt Lake City, UT - 84109 Phone: 801-924-5000 Website: www.archnexus.com	Appliances Building envelope Controls HVAC - evaporative HVAC - unitary Lighting Motors and VFDs Office Equipment	Architect	08/18/2014	
Aspen Engineering and Environmental LLC 140 Aspen Circle Park City, UT - 84098 Phone: 435-565-1535 Website: www.a2e-llc.com	Building envelope Controls HVAC - evaporative HVAC - unitary Motors and VFDs	Engineering Firm	03/18/2013	
Case, Lowe & Hart, Inc. 2484 Washington Blvd. Suite 510, Ogden, UT - 84401 Phone: 801-399-5821 Website: www.clhae.com	Building envelope Compressed Air Controls HVAC - evaporative HVAC - unitary Motors and VFDs	Architect Engineering Firm	05/17/2013	
Colvin Engineering Associates, Inc. 244 W 300 N Suite 200, Salt Lake City, UT - 84103 Phone: 801-322-2400	Controls HVAC - evaporative HVAC - unitary Other: Other Specialty	Architect Engineering Firm	04/29/2013	
Conan's Inc. 429 W. 18th Street P.O. Box 2253, Idaho Falls, ID - 83402 Phone: 208-522-3372	Controls HVAC - evaporative HVAC - unitary	Contractor	02/12/2015	
Coolerado Corporation 4700 W. 60th Ave., Ste. 3 Arvada, CO - 80003 Phone: 303-375-0878 Website: coolerado.com	HVAC - evaporative HVAC - unitary	Distributor Manufacturer - Rep	03/01/2007	

Energy Efficiency Alliance

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	Specialties	Business Type	Join Date	Projects Completed
DesignTek Consulting Group, LLC 1600 W. 2200 S. Salt Lake City, UT - 84119 Phone: 801-255-5449 Website: www.designtekconsulting.com	Compressed Air Controls HVAC - evaporative HVAC - unitary Lighting Motors and VFDs	Contractor Engineering Firm	11/11/2013	
Encentiv Energy, LLC 1501 Ardmore Blvd. Suite 102, Pittsburgh, PA - 15221 Phone: 412-723-1516 Website: www.encentivenergy.com	Building envelope Controls HVAC - evaporative HVAC - unitary Lighting Motors and VFDs	Other: Energy Efficiency Analytics Other: Energy Efficiency Rebate Processing	11/11/2015	1
Energy Management Corporation* 501 West 700 South Salt Lake City, UT - 84101 Phone: 801-366-4100 Website: emcsolutions.com	HVAC - unitary Motors and VFDs	Distributor	05/01/2004	
Engineered Systems Assoc., Inc. 1355 E. Center Street Pocatello, ID - 83201 Phone: 208-233-0501	Controls HVAC - evaporative HVAC - unitary Motors and VFDs	Engineering Firm	01/10/2014	
Engineering Economics, Inc. 780 Simms Street Suite 210 Golden, CO - 80401 Phone: 800-869-6902	Building envelope Controls HVAC - evaporative HVAC - unitary	Engineering Firm	01/20/2014	
Engineering System Solutions DBA ES2 4943 N 29 E Suite A Idaho Falls, ID - 83401 Phone: 208-552-9874 Website: www.es2eng.com	Appliances Building envelope Controls HVAC - evaporative HVAC - unitary Lighting Motors and VFDs	Engineering Firm	05/08/2014	
Green Planet Company 63 East 11400 South #257 Sandy , UT - 84070 Phone: 801-980-1518 Website: www.greenplanetcompany.com	Appliances HVAC - unitary Lighting Motors and VFDs	Distributor Manufacturer - Rep	05/07/2014	14
Gustave A. Larson Company 1395 Northgate Mile Idaho Falls, ID - 83401 Phone: 208-522-3270 Website: galarson.com	HVAC - unitary Motors and VFDs	Distributor	09/01/2008	
Harris Mechanical Intermountain 1925 South Milestone Drive Suite E, Salt Lake City, UT - 84104 Phone: 801-433-2640 Website: www.hmcc.com	HVAC - evaporative HVAC - unitary	Contractor	01/27/2014	
HD Supply Facilities Maintenance, Ltd. 10641 Scripps Summit Court San Diego, CA - 92131 Phone: 858-831-2231 Website: www.hdsupplysolutions.com	Appliances HVAC - evaporative HVAC - unitary	Distributor	01/22/2014	
High Country Heating 3939 E 240 N Rigby, ID - 83442 Phone: 208-745-7021 Website: www.modernphe.com	HVAC - evaporative HVAC - unitary	Contractor	06/18/2014	

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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**
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**
Johnson Controls, Inc. 2255 Technology Parkway West Valley City, UT - 84119 Phone: 801-903-7532	**Specialties** Controls HVAC - evaporative HVAC - unitary Motors and VFDs	**Business Type** Contractor Manufacturer - Rep	**Join Date** 06/01/2007	**Projects Completed**
Lennox 1008 W 2780 S Salt Lake City, UT - 84119 Phone: 801-556-6114 Website: lennoxcommercial.com	**Specialties** HVAC - unitary	**Business Type** Distributor	**Join Date** 11/01/2005	**Projects Completed**
Lewis Corporation 15136 Hunziker Pocatello, ID - 83202 Phone: 208-238-1202 Website: lcorp.com	**Specialties** HVAC - unitary	**Business Type** Contractor	**Join Date** 08/01/2008	**Projects Completed**
Lux Energy Group 1111 South 120 East Farmington, UT - 84025 Phone: 801-989-8375	**Specialties** Building envelope Compressed Air Controls HVAC - evaporative HVAC - unitary Lighting Motors and VFDs	**Business Type** Engineering Firm Other: Energy Resource Managers	**Join Date** 10/13/2015	**Projects Completed**
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 Motors and VFDs Other: Other Specialty	**Business Type** Engineering Firm	**Join Date** 02/12/2014	**Projects Completed**
Midgley-Huber, Inc.* 2465 Progress Drive Salt Lake City, UT - 84119 Phone: 801-972-5011 Website: Migley-huber.com	**Specialties** HVAC - evaporative HVAC - unitary	**Business Type** Manufacturer - Rep	**Join Date** 05/01/2007	**Projects Completed**
MKK Consulting Engineers Inc. 4760 S. Highland Drive Suite 106 Salt Lake City, UT - 84115 Phone: 303-796-6000	**Specialties** Compressed Air Controls HVAC - evaporative HVAC - unitary Lighting Motors and VFDs	**Business Type** Engineering Firm	**Join Date** 01/18/2016	**Projects Completed**
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**

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Musgrove Engineering, PA 234 Whisperwood Way ` Boise, ID - 83709 Phone: 208-384-0585 Website: musgrovepa.com	**Specialties** Compressed Air Controls Food Service HVAC - evaporative HVAC - unitary Motors and VFDs Office Equipment	**Business Type** Engineering Firm	**Join Date** 07/28/2015	**Projects Completed**
Norbryhn Equipment Company 3711 E. Newby St. Nampa, ID - 83687 Phone: 208-465-5700 Website: norbryhn.com	**Specialties** HVAC - unitary Motors and VFDs	**Business Type** Distributor	**Join Date** 05/01/2012	**Projects Completed**
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** 17
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**
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** 43
Royal Engineering, Inc. 2335 S. State Street Suite 100, Provo, UT - 84606 Phone: 801-375-2228 Website: www.royaleng.com	**Specialties** Building envelope Controls HVAC - evaporative HVAC - unitary Lighting Motors and VFDs	**Business Type** Engineering Firm	**Join Date** 12/31/2014	**Projects Completed**
Site Based Energy 105 Lewis St, Suite 102 Ketchum, ID - 83340 Phone: 208-301-2293 Website: www.SiteBasedEnergy.com	**Specialties** Building envelope Farm and Dairy HVAC - evaporative HVAC - unitary Lighting Motors and VFDs	**Business Type** Distributor Engineering Firm	**Join Date** 05/11/2015	**Projects Completed** 2
Smart Building Solutions 2876 South 460 West Salt Lake City, UT - 84115 Phone: 801-733-6000 Website: www.intellivex.com	**Specialties** Building envelope Controls HVAC - evaporative HVAC - unitary Lighting Motors and VFDs Office Equipment Other: Other Specialty	**Business Type** Distributor Manufacturer - Rep	**Join Date** 03/04/2015	**Projects Completed**
Trane* 2817 S. 1030 W. Salt Lake City, UT - 84119 Phone: 801-486-0500 Website: www.trane.com	**Specialties** Controls HVAC - unitary Motors and VFDs	**Business Type** Distributor Manufacturer - Rep	**Join Date** 03/01/2005	**Projects Completed**
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** 1

Energy Efficiency Alliance

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 Motors and VFDs	**Business Type** Architect Engineering Firm Other	**Join Date** 01/01/2012	**Projects Completed**
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**
Young Electric, Heating & Air, inc. 1573 W. Sunnyside Road Idaho Falls,, ID - 83402 Phone: 208-357-1899 Website: www.youngehainc.com	**Specialties** Controls HVAC - evaporative HVAC - unitary Lighting	**Business Type** Contractor	**Join Date** 12/03/2014	**Projects Completed**

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 2013, 2014 and/or 2015.

Search Criteria:

Selected State(s):	Idaho
Specialties:	Lighting
Business Type:	--ANY--

Search Results: 69 - Date and Time: 03/30/2017 02:55:31 PM

Advanced Lighting, Inc. - Idaho* 3099 south 1030 west Salt Lake City, UT - 84119 Phone: 801-972-9530	**Specialties** Lighting	**Business Type** Distributor	**Join Date** 04/28/2014	**Projects Completed** 7
All American Lighting Inc. P.O. Box 2996 Idaho Falls, ID - 83206 Phone: 208-237-2164	**Specialties** Lighting	**Business Type** Distributor	**Join Date** 03/01/2010	**Projects Completed** 7
Alloway Commercial Lighting 1420 Grove Street Boise, ID - 83702 Phone: 208-344-2507 Website: www.allowaylighting.com	**Specialties** Lighting	**Business Type** Distributor	**Join Date** 09/26/2012	**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**
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**
Bastion Technologies, LLC 175 W 7065 S Midvale, UT - 84047 Phone: 800-328-6024 Website: www.bastiontech.com	**Specialties** Lighting	**Business Type** Distributor Manufacturer - Rep Other: consultant	**Join Date** 07/30/2014	**Projects Completed** 24
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** 2
Bradley Engineering 382 Walnut Street Idaho Falls, ID - 83402 Phone: 208-523-2862 Website: www.bradleyengineering.com	**Specialties** Lighting	**Business Type** Engineering Firm	**Join Date** 09/22/2012	**Projects Completed** 9

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Bright Star Energy Management, LLC 214 S. Cole Rd. Boise, ID - 83709 Phone: 208-922-6460 Website: brightstarenergy.net	**Specialties** Lighting	**Business Type** Other	**Join Date** 07/01/2012	**Projects Completed** 18
Candle3 LLC 6385 Corporate Dr. Colorado Springs, CO - 80919 Phone: 719-930-9099 Website: www.candle3.com	**Specialties** Controls Lighting	**Business Type** Distributor Manufacturer - Rep	**Join Date** 11/21/2014	**Projects Completed** 1
CAO Group, Inc. 4628 W. Skyhawk Drive West Jordan, UT - 84084 Phone: 801-256-9282 Website: www.caolighting.com	**Specialties** Lighting	**Business Type** Engineering Firm Other: Manufacturer	**Join Date** 11/16/2015	**Projects Completed** 4
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
Consolidated Electrical Distributors - Idaho Falls* 865 Pancheri Idaho Falls, ID - 83402 Phone: 208-523-2022	**Specialties** Lighting	**Business Type** Distributor	**Join Date** 09/24/2012	**Projects Completed** 21
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** 71
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**
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** 48
David Petersen Electric 78 N 285 E Blackfoot, ID - 83221 Phone: 208-680-5424	**Specialties** Controls Lighting	**Business Type** Contractor	**Join Date** 04/20/2015	**Projects Completed**
Delta T Corporation 2348 Innovation Drive Lexington, KY - 40511 Phone: 877-244-3267 Website: www.bigasssolutions.com	**Specialties** Lighting Other: Other Specialty	**Business Type** Distributor Manufacturer - Rep	**Join Date** 11/16/2015	**Projects Completed**
DesignTek Consulting Group, LLC 1600 W. 2200 S. Salt Lake City, UT - 84119 Phone: 801-255-5449 Website: www.designtekconsulting.com	**Specialties** Compressed Air Controls HVAC - evaporative HVAC - unitary Lighting Motors and VFDs	**Business Type** Contractor Engineering Firm	**Join Date** 11/11/2013	**Projects Completed**
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** 98

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	Specialties	Business Type	Join Date	Projects Completed
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/	Lighting	Distributor	02/11/2013	
Electrical Marketing Solutions (DBA) EMS 2139 S West Temple Salt Lake City, UT - 84115 Phone: 801-869-1445 Website: http://emsreps.com/	Controls Lighting	Manufacturer - Rep	12/31/2014	5
Electrical Support Services LLC 1037 E 1400 N. Shelly, ID - 83274 Phone: 208-251-6022	Farm and Dairy Irrigation Lighting Motors and VFDs	Contractor	03/12/2015	2
Electrical Wholesale Supply Co., Inc. - Blackfoot* 560 Jensen Grove Rd. Blackfoot, ID - 83221 Phone: 208-542-4995 Website: www.ewscoinc.com	Controls Lighting Motors and VFDs	Distributor	09/22/2012	
Electrical Wholesale Supply Co., Inc. - Corporate* 1355 Fremont Ave Idaho Falls, ID - 83405 Phone: 208-523-2901 Website: www.ewscoinc.com	Controls Lighting Motors and VFDs	Distributor	09/22/2012	
Electrical Wholesale Supply Co., Inc. - Driggs* 83C Rocky Road Ind Lp. Driggs, ID - 83422 Phone: 208-354-1228 Website: www.ewscoinc.com	Controls Lighting Motors and VFDs	Contractor Distributor	09/22/2012	26
Electrical Wholesale Supply Co., Inc. - Home Lighting* 650 W. Sunnyside Rd. Idaho Falls, ID - 83402 Phone: 208-523-2300 Website: www.homelightingcenter.com	Controls Lighting Motors and VFDs	Distributor	09/22/2012	
Electrical Wholesale Supply Co., Inc. - Idaho Falls* 3140 McNeil Dr. Idaho Falls, ID - 83402 Phone: 208-523-2800 Website: www.ewscoinc.com	Lighting	Distributor	09/22/2012	46
Electrical Wholesale Supply Co., Inc. - Pocatello* 220 West Maple Pocatello, ID - 83206 Phone: 208-233-1362 Website: www.ewscoinc.com	Controls Lighting Motors and VFDs	Distributor	09/22/2012	
Electrical Wholesale Supply Co., Inc. - Rexburg* 899 Jetstream Dr. Rexburg, ID - 83440 Phone: 208-356-7282 Website: www.ewscoinc.com	Controls Lighting Motors and VFDs	Distributor	09/22/2012	29
Elysium Energy LLC 14466 South Long Ridge Drive Herriman , UT - 84096 Phone: 801-440-6821	Lighting Other: Other Specialty	Other	04/30/2015	17

Energy Efficiency Alliance

Encentiv Energy, LLC 1501 Ardmore Blvd. Suite 102, Pittsburgh, PA - 15221 Phone: 412-723-1516 Website: www.encentivenergy.com	**Specialties** Building envelope Controls HVAC - evaporative HVAC - unitary Lighting Motors and VFDs	**Business Type** Other: Energy Efficiency Analytics Other: Energy Efficiency Rebate Processing	**Join Date** 11/11/2015	**Projects Completed** 1
Energy Planning Associates, Inc (DBA) Envirobrite 148 Maritime Dr Sanford, FL - 32771 Phone: 407-302-0001 Website: www.envirobrite.net	**Specialties** Lighting	**Business Type** Manufacturer - Rep	**Join Date** 07/24/2015	**Projects Completed**
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**
Express Lighting LLC 7050 South State Street Midvale, UT - 84047 Phone: 801-617-1133 Website: www.express.lighting	**Specialties** Lighting	**Business Type** Distributor Manufacturer - Rep	**Join Date** 12/01/2015	**Projects Completed** 4
Fanlight Corp 2000 S Grove Ave Bldg B Ontario, CA - 91761 Phone: 909-930-6868 Website: plusriteusa.com / mynaturazled.com	**Specialties** Lighting	**Business Type** Manufacturer - Rep	**Join Date** 02/22/2016	**Projects Completed**
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**
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** 40
Green Planet Company 63 East 11400 South #257 Sandy , UT - 84070 Phone: 801-980-1518 Website: www.greenplanetcompany.com	**Specialties** Appliances HVAC - unitary Lighting Motors and VFDs	**Business Type** Distributor Manufacturer - Rep	**Join Date** 05/07/2014	**Projects Completed** 14
Harris Lighting Products 1405 W. 800 N. Preston, ID - 83263 Phone: 208-852-2890	**Specialties** Lighting	**Business Type** Distributor Manufacturer - Rep	**Join Date** 04/01/2007	**Projects Completed** 78
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** 12
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**

Energy Efficiency Alliance

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	Specialties	Business Type	Join Date	Projects Completed
Larsen Electric, LLC 250 Laurel Lane Chubbuck, ID - 83202 Phone: 208-237-2058 Website: larsenelectric.net	Lighting	Contractor	03/23/2016	
Loeb Lighting Services 1800 E 5th Ave Columbia, OH - 43219 Phone: 800-866-5616	Controls Lighting	Distributor	03/16/2015	
Lux Energy Group 1111 South 120 East Farmington, UT - 84025 Phone: 801-989-8375	Building envelope Compressed Air Controls HVAC - evaporative HVAC - unitary Lighting Motors and VFDs	Engineering Firm Other: Energy Resource Managers	10/13/2015	
Mark Clary 2302 West 8540 South West Jordan, UT - 84088 Phone: 801-233-0882	Lighting	Architect	08/08/2013	
MKK Consulting Engineers Inc. 4760 S. Highland Drive Suite 106 Salt Lake City, UT - 84115 Phone: 303-796-6000	Compressed Air Controls HVAC - evaporative HVAC - unitary Lighting Motors and VFDs	Engineering Firm	01/18/2016	
Nulite Electric LLC 3570 Brookfield Ln. Ammon, ID - 83406 Phone: 208-680-9990 Website: nourlsited.org	Controls Lighting Motors and VFDs	Contractor	08/26/2014	1
Optica Energy Management, LLC 1772 Ross Dr Ogden, UT - 84403 Phone: 888-442-4866 Website: www.opticaenergy.com	HVAC - unitary Lighting Motors and VFDs	Distributor Other: Energy Management Company	04/11/2013	17
Ovation Engineering & Consulting 1113 N Victoria Way Salt Lake City, UT - 84116 Phone: 801-871-0900	Controls Lighting	Engineering Firm	12/08/2014	
Pacheco Company LLC 3646 E. Summer Hill Salt Lake City, UT - 84121 Phone: 801-541-3375 Website: www.pachecoco.com	Lighting Other: Other Specialty	Contractor Distributor Manufacturer - Rep	02/12/2015	
Patriot Electric, Heating & Air Inc. 1347 E 1500 N Terreton, ID - 83450 Phone: 208-680-7345 Website: www.facebook.com/PtriotElectricHeatingAir	Controls Lighting Motors and VFDs	Contractor	08/26/2014	13
Platt Electric Supply - Idaho Falls* 919 Pancheri Street Idaho Falls, ID - 83402 Phone: 208-524-6171	Controls Lighting Motors and VFDs	Distributor	01/01/2009	17

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ROCKY MOUNTAIN POWER

	Specialties	Business Type	Join Date	Projects Completed
PVE, Inc* 1040 North 2200 West, Suite 100 Salt Lake City, UT - 84107 Phone: 801-359-3158	Controls HVAC - evaporative HVAC - unitary Lighting Motors and VFDs	Engineering Firm	07/29/2013	
RealWinWin, Inc. 1926 Arch Street, 4F Philadelphia, PA - 19103 Phone: 215-732-4480 x 349 Website: www.realwinwin.com	Appliances Building envelope Controls Food Service HVAC - evaporative HVAC - unitary Lighting Motors and VFDs Office Equipment	Other: Energy Efficiency Incentive Administration and Consultation	10/14/2013	43
RME, Inc 8685 W State St Boise, ID - 83714 Phone: 208-853-2968 Website: rmeinc.net	Controls Lighting	Contractor Engineering Firm	10/14/2014	
Rocky Mountain Electric - Idaho Falls 6698 N. 25th E Idaho Falls, ID - 83401 Phone: 208-587-9682 x 6	Lighting	Contractor	08/27/2014	
Royal Engineering, Inc. 2335 S. State Street Suite 100, Provo, UT - 84606 Phone: 801-375-2228 Website: www.royaleng.com	Building envelope Controls HVAC - evaporative HVAC - unitary Lighting Motors and VFDs	Engineering Firm	12/31/2014	
Royal Wholesale Electric - Logan* 917 W 600 N Ste 101 Logan, UT - 84321 Phone: 435-752-7692 Website: royalutah.com	Lighting	Distributor	01/09/2008	19
Site Based Energy 105 Lewis St, Suite 102 Ketchum, ID - 83340 Phone: 208-301-2293 Website: www.SiteBasedEnergy.com	Building envelope Farm and Dairy HVAC - evaporative HVAC - unitary Lighting Motors and VFDs	Distributor Engineering Firm	05/11/2015	2
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	
Titan LED - North Logan 641 E 2200 N North Logan, UT - 84341 Phone: 801-784-8260 Website: www.titanled.net	Lighting	Manufacturer - Rep	07/08/2014	5
Town & Country Electric, Inc. 1223 11th Ave. North Nampa, ID - 83687 Phone: 208-467-2148 Website: town-and-country-electric.com	Lighting	Contractor	01/01/2009	

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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** 1
Voss Electric Co. 6547 S Racine Circle, Suite 100 Centennial , CO - 80111 Phone: 303-243-5503 Website: vosslighting.com	**Specialties** Controls Lighting	**Business Type** Distributor	**Join Date** 09/09/2016	**Projects Completed**
Western Land Management LLC 2815 East Linwood Lane Manila, UT - 84046 Phone: 949-285-9454	**Specialties** Food Service Lighting	**Business Type** Distributor	**Join Date** 01/29/2016	**Projects Completed**
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
YESCO LLC - Young Electric Sign Co. - Salt Lake City, UT* 1605 S. Gramercy Road Salt Lake City, UT - 84104 Phone: 801-464-6413 Website: www.yesco.com	**Specialties** Appliances Controls Lighting Motors and VFDs	**Business Type** Contractor Manufacturer - Rep	**Join Date** 09/22/2012	**Projects Completed** 70
Young Electric, Heating & Air, inc. 1573 W. Sunnyside Road Idaho Falls,, ID - 83402 Phone: 208-357-1899 Website: www.youngehainc.com	**Specialties** Controls HVAC - evaporative HVAC - unitary Lighting	**Business Type** Contractor	**Join Date** 12/03/2014	**Projects Completed**

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 2013, 2014 and/or 2015.

Search Criteria:

Selected State(s):	Idaho
Specialties:	Motors and VFDs
Business Type:	--ANY--

Search Results: 47 - Date and Time: 03/30/2017 02:51:35 PM

	Specialties	Business Type	Join Date	Projects Completed
Architectural Nexus, Inc. 2505 East Parleys Way Salt Lake City, UT - 84109 Phone: 801-924-5000 Website: www.archnexus.com	Appliances Building envelope Controls HVAC - evaporative HVAC - unitary Lighting Motors and VFDs Office Equipment	Architect	08/18/2014	
Lux Energy Group 1111 South 120 East Farmington, UT - 84025 Phone: 801-989-8375	Building envelope Compressed Air Controls HVAC - evaporative HVAC - unitary Lighting Motors and VFDs	Engineering Firm Other: Energy Resource Managers	10/13/2015	
Engineered Systems Assoc., Inc. 1355 E. Center Street Pocatello, ID - 83201 Phone: 208-233-0501	Controls HVAC - evaporative HVAC - unitary Motors and VFDs	Engineering Firm	01/10/2014	
Utah Yamas Controls Inc.* 13526 S. 110 W. Draper, UT - 84020 Phone: 801-990-1950 Website: www.utahyamas.com	Building envelope Controls HVAC - evaporative HVAC - unitary Lighting Motors and VFDs Other: Other Specialty	Contractor Distributor Engineering Firm Manufacturer - Rep	01/21/2013	1
Electrical Wholesale Supply Co., Inc. - Corporate* 1355 Fremont Ave Idaho Falls, ID - 83405 Phone: 208-523-2901 Website: www.ewscoinc.com	Controls Lighting Motors and VFDs	Distributor	09/22/2012	
Encentiv Energy, LLC 1501 Ardmore Blvd. Suite 102, Pittsburgh, PA - 15221 Phone: 412-723-1516 Website: www.encentivenergy.com	Building envelope Controls HVAC - evaporative HVAC - unitary Lighting Motors and VFDs	Other: Energy Efficiency Analytics Other: Energy Efficiency Rebate Processing	11/11/2015	1
Honeywell International 2371 S. Presidents Way Suite A Salt Lake City, UT - 84120 Phone: 801-978-7136 Website: honeywell.com	Controls HVAC - evaporative HVAC - unitary Motors and VFDs	Contractor Distributor Manufacturer - Rep	05/01/2006	

Energy Efficiency Alliance

ROCKY MOUNTAIN POWER

	Specialties	Business Type	Join Date	Projects Completed
KEE Engineering and Consulting LLC 695 W. 1980 So Price, UT - 84501 Phone: 435-613-1220 Website: www.keeengineering.com	Controls Motors and VFDs	Engineering Firm	03/14/2016	
Valley Implement 2570 N Main Logan, UT - 84341 Phone: 435-787-1586 Website: valley-implement.com	Controls Farm and Dairy Irrigation Motors and VFDs	Contractor	12/05/2012	null
Optica Energy Management, LLC 1772 Ross Dr Ogden, UT - 84403 Phone: 888-442-4866 Website: www.opticaenergy.com	HVAC - unitary Lighting Motors and VFDs	Distributor Other: Energy Management Company	04/11/2013	17
Johnson Controls, Inc. 2255 Technology Parkway West Valley City, UT - 84119 Phone: 801-903-7532	Controls HVAC - evaporative HVAC - unitary Motors and VFDs	Contractor Manufacturer - Rep	06/01/2007	
Van Boerum & Frank Associates 330 South 300 East Salt Lake City, UT - 84111 Phone: 801-530-3148 Website: www.vbfa.com	Building envelope Controls HVAC - evaporative HVAC - unitary Motors and VFDs	Architect Engineering Firm Other	01/01/2012	
Patriot Electric, Heating & Air Inc. 1347 E 1500 N Terreton, ID - 83450 Phone: 208-680-7345 Website: www.facebook.com/PtriotElectricHeatingAir	Controls Lighting Motors and VFDs	Contractor	08/26/2014	13
DesignTek Consulting Group, LLC 1600 W. 2200 S. Salt Lake City, UT - 84119 Phone: 801-255-5449 Website: www.designtekconsulting.com	Compressed Air Controls HVAC - evaporative HVAC - unitary Lighting Motors and VFDs	Contractor Engineering Firm	11/11/2013	
Trane* 2817 S. 1030 W. Salt Lake City, UT - 84119 Phone: 801-486-0500 Website: www.trane.com	Controls HVAC - unitary Motors and VFDs	Distributor Manufacturer - Rep	03/01/2005	
Aspen Engineering and Environmental LLC 140 Aspen Circle Park City, UT - 84098 Phone: 435-565-1535 Website: www.a2e-llc.com	Building envelope Controls HVAC - evaporative HVAC - unitary Motors and VFDs	Engineering Firm	03/18/2013	
Electrical Support Services LLC 1037 E 1400 N. Shelly, ID - 83274 Phone: 208-251-6022	Farm and Dairy Irrigation Lighting Motors and VFDs	Contractor	03/12/2015	2
American Electric Company, Inc. 78 West 13775 South, Suite 9 Draper, UT - 84020 Phone: 801-254-0782 Website: www.americanelectric.cc	Appliances Building envelope Controls Lighting Motors and VFDs Other: Other Specialty	Contractor	04/06/2015	

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	Specialties	Business Type	Join Date	Projects Completed
MKK Consulting Engineers Inc. 4760 S. Highland Drive Suite 106 Salt Lake City, UT - 84115 Phone: 303-796-6000	Compressed Air Controls HVAC - evaporative HVAC - unitary Lighting Motors and VFDs	Engineering Firm	01/18/2016	
Spectrum Energy Solutions 8050 N Palm Ave #106, Fresno, CA - 93711 Phone: 559-438-2700 Website: www.spectrum-nrg.com	Farm and Dairy Irrigation Motors and VFDs Other: Other Specialty	Contractor Engineering Firm Other: consultant	04/10/2014	
Electrical Wholesale Supply Co., Inc. - Blackfoot* 560 Jensen Grove Rd. Blackfoot, ID - 83221 Phone: 208-542-4995 Website: www.ewscoinc.com	Controls Lighting Motors and VFDs	Distributor	09/22/2012	
Site Based Energy 105 Lewis St, Suite 102 Ketchum, ID - 83340 Phone: 208-301-2293 Website: www.SiteBasedEnergy.com	Building envelope Farm and Dairy HVAC - evaporative HVAC - unitary Lighting Motors and VFDs	Distributor Engineering Firm	05/11/2015	2
Electrical Wholesale Supply Co., Inc. - Driggs* 83C Rocky Road Ind Lp. Driggs, ID - 83422 Phone: 208-354-1228 Website: www.ewscoinc.com	Controls Lighting Motors and VFDs	Contractor Distributor	09/22/2012	26
Green Planet Company 63 East 11400 South #257 Sandy , UT - 84070 Phone: 801-980-1518 Website: www.greenplanetcompany.com	Appliances HVAC - unitary Lighting Motors and VFDs	Distributor Manufacturer - Rep	05/07/2014	14
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	
Valley Implement 213 West 8th North Preston, ID - 83263 Phone: 208-852-0430 Website: valley-implement.com	Controls Irrigation Motors and VFDs	Contractor	12/05/2012	null
Platt Electric Supply - Idaho Falls* 919 Pancheri Street Idaho Falls, ID - 83402 Phone: 208-524-6171	Controls Lighting Motors and VFDs	Distributor	01/01/2009	17
Hussmann Corporation 1385 W 2200 St Salt Lake City, UT - 84119 Phone: 805-458-7615 Website: hussmann.com	Controls Food Service HVAC - evaporative HVAC - unitary Lighting Motors and VFDs	Manufacturer - Rep	01/14/2015	

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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** 43
Electrical Wholesale Supply Co., Inc. - Home Lighting* 650 W. Sunnyside Rd. Idaho Falls, ID - 83402 Phone: 208-523-2300 Website: www.homelightingcenter.com	**Specialties** Controls Lighting Motors and VFDs	**Business Type** Distributor	**Join Date** 09/22/2012	**Projects Completed**
Musgrove Engineering, PA 234 Whisperwood Way ` , Boise, ID - 83709 Phone: 208-384-0585 Website: musgrovepa.com	**Specialties** Compressed Air Controls Food Service HVAC - evaporative HVAC - unitary Motors and VFDs Office Equipment	**Business Type** Engineering Firm	**Join Date** 07/28/2015	**Projects Completed**
Energy Management Corporation* 501 West 700 South Salt Lake City, UT - 84101 Phone: 801-366-4100 Website: emcsolutions.com	**Specialties** HVAC - unitary Motors and VFDs	**Business Type** Distributor	**Join Date** 05/01/2004	**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 Motors and VFDs	**Business Type** Architect Engineering Firm	**Join Date** 05/17/2013	**Projects Completed**
Gustave A. Larson Company 1395 Northgate Mile Idaho Falls, ID - 83401 Phone: 208-522-3270 Website: galarson.com	**Specialties** HVAC - unitary Motors and VFDs	**Business Type** Distributor	**Join Date** 09/01/2008	**Projects Completed**
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**
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**
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**
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**

Energy Efficiency Alliance

ROCKY MOUNTAIN POWER

	Specialties	Business Type	Join Date	Projects Completed
Norbryhn Equipment Company 3711 E. Newby St. Nampa, ID - 83687 Phone: 208-465-5700 Website: norbryhn.com	HVAC - unitary Motors and VFDs	Distributor	05/01/2012	
McKinstry Essention, LLC 112 N. Rubey Dr. Suite 200, Golden, CO - 80403 Phone: 435-632-8433 Website: www.mckinstry.com	Building envelope Compressed Air Controls HVAC - evaporative HVAC - unitary Irrigation Motors and VFDs Other: Other Specialty	Engineering Firm	02/12/2014	
Electrical Wholesale Supply Co., Inc. - Rexburg* 899 Jetstream Dr. Rexburg, ID - 83440 Phone: 208-356-7282 Website: www.ewscoinc.com	Controls Lighting Motors and VFDs	Distributor	09/22/2012	29
Electrical Wholesale Supply Co., Inc. - Pocatello* 220 West Maple Pocatello, ID - 83206 Phone: 208-233-1362 Website: www.ewscoinc.com	Controls Lighting Motors and VFDs	Distributor	09/22/2012	
D&S Electrical 363 West Chubbuck Road Pocatello, ID - 83202 Phone: 208-731-3701	Lighting Motors and VFDs	Distributor	12/01/2008	48
Wheeler Electric 469 West 16th St. Idaho Falls, ID - 83402 Phone: 208-522-1906 Website: wheelerelectric.com	Building envelope Compressed Air Controls Farm and Dairy Food Service Lighting Motors and VFDs	Contractor	01/01/2007	5
Nulite Electric LLC 3570 Brookfield Ln. Ammon, ID - 83406 Phone: 208-680-9990 Website: nourlsited.org	Controls Lighting Motors and VFDs	Contractor	08/26/2014	1
Royal Engineering, Inc. 2335 S. State Street Suite 100, Provo, UT - 84606 Phone: 801-375-2228 Website: www.royaleng.com	Building envelope Controls HVAC - evaporative HVAC - unitary Lighting Motors and VFDs	Engineering Firm	12/31/2014	
YESCO LLC - Young Electric Sign Co. - Salt Lake City, UT* 1605 S. Gramercy Road Salt Lake City, UT - 84104 Phone: 801-464-6413 Website: www.yesco.com	Appliances Controls Lighting Motors and VFDs	Contractor Manufacturer - Rep	09/22/2012	70

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Appendix 6

Idaho Measures

Rocky Mountain Power Energy Efficiency Measures for Idaho

Measures Effective on 04/11/2017

		Effective Date	Energy Savings Calculation method	Gross incremental annual electric savings (kWh/yr)	Savings unit
Program : Home Energy Savings					
Measure Category : Appliances					
Clothes Washers:Clothes Washer - Electric DHW & Electric	**Residential**				
Clothes Washers - CEE Tier 2 and Above - Electric DHW & Electric Dryer - ID	Energy efficient clothes washer	01/30/2016	RTF Deemed	153	Measure
Clothes Washers - CEE Tier 3 - Electric DHW & Electric Dryer - ID	Energy efficient clothes washer	01/30/2016	RTF Deemed	180	Measure
Clothes Washers:Clothes Washer - Electric DHW & Gas Dryer	**Residential**				
Clothes Washers - CEE Tier 2 - Electric DHW & Gas Dryer - ID	Energy efficient clothes washer	01/29/2016	RTF Deemed	84.1	Measure
Clothes Washers - CEE Tier 3 - Electric DHW & Gas Dryer - ID	Energy efficient clothes washer	01/29/2016	RTF Deemed	102	Measure
Clothes Washers:Clothes Washer - Gas DHW & Electric Dryer	**Residential**				
Clothes Washers - CEE Tier 2 - Gas DHW & Electric Dryer - ID	Energy efficient clothes washer	01/29/2016	RTF Deemed	67.01	Measure
Clothes Washers - CEE Tier 3 - Gas DHW & Electric Dryer - ID	Energy efficient clothes washer	01/29/2016	RTF Deemed	76.98	Measure
Water Heater:Heat Pump Water Heater	**Residential**				
HPWH Tier 1 Basement 0-55gallons - ID	Electric heat pump water heater	01/30/2016	RTF Deemed	1,214	Measure
HPWH Tier 1 Basement 0-55gallons Self Install - ID	Electric heat pump water heater	01/30/2016	RTF Deemed	1,214	Measure
HPWH Tier 1 Garage 0-55 Gallons - ID	Electric heat pump water heater	01/30/2016	RTF Deemed	689	Measure
HPWH Tier 1 Garage 0-55 Gallons Self Install - ID	Electric heat pump water heater	01/30/2016	RTF Deemed	689	Measure
HPWH Tier 1 Indoor Electric Resistance Heat 0-55 Gallons - ID	Electric heat pump water heater	01/30/2016	RTF Deemed	1,124	Measure
HPWH Tier 1 Indoor Electric Resistance Heat 0-55 Gallons Self Install - ID	Electric heat pump water heater	01/30/2016	RTF Deemed	1,124	Measure
HPWH Tier 1 Indoor Gas Heat 0-55 Gallons - ID	Electric heat pump water heater	01/30/2016	RTF Deemed	1,418	Measure
HPWH Tier 1 Indoor Gas Heat 0-55 Gallons Self Install - ID	Electric heat pump water heater	01/30/2016	RTF Deemed	1,418	Measure
HPWH Tier 1 Indoor Heat Pump 0-55 Gallons - ID	Electric heat pump water heater	01/30/2016	RTF Deemed	1,217	Measure
HPWH Tier 1 Indoor Heat Pump 0-55 Gallons Self Install - ID	Electric heat pump water heater	01/30/2016	RTF Deemed	1,217	Measure
HPWH Tier 2 Basement 0-55gallons - ID	Electric heat pump water heater	01/30/2016	RTF Deemed	1,750	Measure
HPWH Tier 2 Basement 0-55gallons Self Install - ID	Electric heat pump water heater	01/30/2016	RTF Deemed	1,750	Measure
HPWH Tier 2 Ducted Electric Resistance Heat 0-55 Gallons - ID	Electric heat pump water heater	01/30/2016	RTF Deemed	1,300	Measure
HPWH Tier 2 Ducted Electric Resistance Heat 0-55 Gallons Self Install - ID	Electric heat pump water heater	01/30/2016	RTF Deemed	1,300	Measure
HPWH Tier 2 Ducted Gas Heat 0-55 Gallons - ID	Electric heat pump water heater	01/30/2016	RTF Deemed	1,785	Measure
HPWH Tier 2 Ducted Gas Heat 0-55 Gallons Self Install - ID	Electric heat pump water heater	01/30/2016	RTF Deemed	1,785	Measure
HPWH Tier 2 Ducted Heat Pump 0-55 Gallons - ID	Electric heat pump water heater	01/30/2016	RTF Deemed	1,510	Measure

Rocky Mountain Power Energy Efficiency Measures for Idaho

Measures Effective on 04/11/2017

		Effective Date	Energy Savings Calculation method	Gross incremental annual electric savings (kWh/yr)	Savings unit
Program : Home Energy Savings					
HPWH Tier 2 Ducted Heat Pump 0-55 Gallons Self Install - ID	Electric heat pump water heater	01/30/2016	RTF Deemed	1,510	Measure
HPWH Tier 2 Garage 0-55 Gallons - ID	Electric heat pump water heater	01/30/2016	RTF Deemed	1,570	Measure
HPWH Tier 2 Garage 0-55 Gallons Self Install - ID	Electric heat pump water heater	01/30/2016	RTF Deemed	1,570	Measure
HPWH Tier 2 Indoor Electric Resistance Heat 0-55 Gallons - ID	Electric heat pump water heater	01/30/2016	RTF Deemed	1,467	Measure
HPWH Tier 2 Indoor Electric Resistance Heat 0-55 Gallons Self Install - ID	Electric heat pump water heater	01/30/2016	RTF Deemed	1,467	Measure
HPWH Tier 2 Indoor Gas Heat 0-55 Gallons - ID	Electric heat pump water heater	01/30/2016	RTF Deemed	1,875	Measure
HPWH Tier 2 Indoor Gas Heat 0-55 Gallons Self Install - ID	Electric heat pump water heater	01/30/2016	RTF Deemed	1,875	Measure
HPWH Tier 2 Indoor Heat Pump 0-55 Gallons - ID	Electric heat pump water heater	01/30/2016	RTF Deemed	1,601	Measure
HPWH Tier 2 Indoor Heat Pump 0-55 Gallons Self Install - ID	Electric heat pump water heater	01/30/2016	RTF Deemed	1,601	Measure
HPWH Tier 3 Basement 0-55gallons - ID	Electric heat pump water heater	01/30/2016	RTF Deemed	1,857	Measure
HPWH Tier 3 Basement 0-55gallons Self Install - ID	Electric heat pump water heater	01/30/2016	RTF Deemed	1,857	Measure
HPWH Tier 3 Ducted Electric Resistance Heat 0-55 Gallons - ID	Electric heat pump water heater	01/30/2016	RTF Deemed	1,361	Measure
HPWH Tier 3 Ducted Electric Resistance Heat 0-55 Gallons Self Install - ID	Electric heat pump water heater	01/30/2016	RTF Deemed	1,361	Measure
HPWH Tier 3 Ducted Gas Heat 0-55 Gallons - ID	Electric heat pump water heater	01/30/2016	RTF Deemed	1,887	Measure
HPWH Tier 3 Ducted Gas Heat 0-55 Gallons Self Install - ID	Electric heat pump water heater	01/30/2016	RTF Deemed	1,887	Measure
HPWH Tier 3 Ducted Heat Pump 0-55 Gallons - ID	Electric heat pump water heater	01/30/2016	RTF Deemed	1,585	Measure
HPWH Tier 3 Ducted Heat Pump 0-55 Gallons Self Install - ID	Electric heat pump water heater	01/30/2016	RTF Deemed	1,585	Measure
HPWH Tier 3 Garage 0-55 Gallons - ID	Electric heat pump water heater	01/30/2016	RTF Deemed	1,659	Measure
HPWH Tier 3 Garage 0-55 Gallons Self Install - ID	Electric heat pump water heater	01/30/2016	RTF Deemed	1,659	Measure
HPWH Tier 3 Indoor Electric Resistance Heat 0-55 Gallons - ID	Electric heat pump water heater	01/30/2016	RTF Deemed	1,545	Measure
HPWH Tier 3 Indoor Electric Resistance Heat 0-55 Gallons Self Install - ID	Electric heat pump water heater	01/30/2016	RTF Deemed	1,545	Measure
HPWH Tier 3 Indoor Gas Heat 0-55 Gallons - ID	Electric heat pump water heater	01/30/2016	RTF Deemed	1,982	Measure
HPWH Tier 3 Indoor Gas Heat 0-55 Gallons Self Install - ID	Electric heat pump water heater	01/30/2016	RTF Deemed	1,982	Measure
HPWH Tier 3 Indoor Heat Pump 0-55 Gallons - ID	Electric heat pump water heater	01/30/2016	RTF Deemed	1,686	Measure
HPWH Tier 3 Indoor Heat Pump 0-55 Gallons Self Install - ID	Electric heat pump water heater	01/30/2016	RTF Deemed	1,686	Measure
Measure Category : Building Shell					
Insulation:Attic Insulation	**Residential**				
Insulation - Attic - Electric FAF Heating System - ID	Install attic insulation - Contractor	01/30/2016	RTF Deemed	0.64	Sq. ft.

Rocky Mountain Power Energy Efficiency Measures for Idaho

Measures Effective on 04/11/2017

		Effective Date	Energy Savings Calculation method	Gross incremental annual electric savings (kWh/yr)	Savings unit
Program : Home Energy Savings					
Insulation - Attic - Electric Heat Pump Heating System - ID	Install attic insulation - Contractor	01/30/2016	RTF Deemed	0.35	Sq. ft.
Insulation - Attic - Electric Zonal Heating System - ID	Install attic insulation - Contractor	01/30/2016	RTF Deemed	0.5	Sq. ft.
Insulation - Attic - Self Install - Electric FAF Heating System - ID	Install attic insulation - Self-install	01/30/2016	RTF Deemed	0.64	Sq. ft.
Insulation - Attic - Self Install - Electric Heat Pump Heating System - ID	Install attic insulation - Self-install	01/30/2016	RTF Deemed	0.35	Sq. ft.
Insulation - Attic - Self Install - Electric Zonal Heating System - ID	Install attic insulation - Self-install	01/30/2016	RTF Deemed	0.5	Sq. ft.
Insulation:Floor Insulation	**Residential**				
Insulation - Floor - Electric FAF Heating System - ID	Install floor insulation-Contractor	01/30/2016	RTF Deemed	1.66	Sq. ft.
Insulation - Floor - Electric Heat Pump Heating System - ID	Install floor insulation-Contractor	01/30/2016	RTF Deemed	0.4	Sq. ft.
Insulation - Floor - Electric Zonal Heating System - ID	Install floor insulation-Contractor	01/30/2016	RTF Deemed	1.63	Sq. ft.
Insulation - Floor - Self Install - Electric FAF Heating System - ID	Install floor insulation-Self Install	01/30/2016	RTF Deemed	1.66	Sq. ft.
Insulation - Floor - Self Install - Electric Heat Pump Heating System - ID	Install floor insulation-Self Install	01/30/2016	RTF Deemed	0.4	Sq. ft.
Insulation - Floor - Self Install - Electric Zonal Heating System - ID	Install floor insulation-Self Install	01/30/2016	RTF Deemed	1.63	Sq. ft.
Insulation:Wall Insulation	**Residential**				
Insulation - Wall - Electric FAF Heating System - ID	Install wall insulation - Contractor	01/30/2016	RTF Deemed	2.96	Sq. ft.
Insulation - Wall - Electric Heat Pump Heating System - ID	Install wall insulation - Contractor	01/30/2016	RTF Deemed	1.79	Sq. ft.
Insulation - Wall - Electric Zonal Heating System - ID	Install wall insulation - Contractor	01/30/2016	RTF Deemed	2.17	Sq. ft.
Windows:New Homes Windows	**Residential**				
New Homes Windows - U-0.22 - Electric FAF - ID	Install windows of .22 U value or lower in new home	01/30/2016	RTF Deemed	2.37	Sq. ft.
New Homes Windows - U-0.22 - Electric Zonal Heat - ID	Install windows of .22 U value or lower in new home	01/30/2016	RTF Deemed	1.84	Sq. ft.
New Homes Windows - U-0.22 - Heat Pump System - ID	Install windows of .22 U value or lower in new home	01/30/2016	RTF Deemed	1.36	Sq. ft.
Windows:Windows Tier 1	**Residential**				
Window Tier 1 - U-0.30 - Electric FAF Heating System - ID	Install low U-factor window - Tier 1	01/30/2016	RTF Deemed	0.9	Sq. ft.
Window Tier 1 - U-0.30 - Electric Heat Pump Heating System - ID	Install low U-factor window - Tier 1	01/30/2016	RTF Deemed	0.5	Sq. ft.
Window Tier 1 - U-0.30 - Electric Zonal Heating System - ID	Install low U-factor window - Tier 1	01/30/2016	RTF Deemed	0.71	Sq. ft.
Windows:Windows Tier 2	**Residential**				
Window Tier 2 - U-0.22 - Electric FAF Heating System - ID	Install low U-factor window - Tier 2	01/30/2016	RTF Deemed	2.37	Sq. ft.
Window Tier 2 - U-0.22 - Electric Heat Pump Heating System - ID	Install low U-factor window - Tier 2	01/30/2016	RTF Deemed	1.36	Sq. ft.
Window Tier 2 - U-0.22 - Electric Zonal Heating System - ID	Install low U-factor window - Tier 2	01/30/2016	RTF Deemed	1.84	Sq. ft.

Measure Category : Electronics

Rocky Mountain Power Energy Efficiency Measures for Idaho

Measures Effective on 04/11/2017

		Effective Date	Energy Savings Calculation method	Gross incremental annual electric savings (kWh/yr)	Savings unit
Program : Home Energy Savings					
Advanced Power Strips:Advanced Power Strips - IR Sensing	**Residential**				
Advanced Power Strip - IR Sensing - Direct Install - ID	Advanced Power Strip	01/30/2016	RTF Deemed	216	Measure
Advanced Power Strip - IR Sensing - Owner Install - ID	Advanced Power Strip	01/30/2016	RTF Deemed	216	Measure
Advanced Power Strips:Advanced Power Strips - Load Sensing	**Residential**				
Advanced Power Strip - Load Sensing - Direct Install - ID	Advanced Power Strip	01/30/2016	RTF Deemed	40	Measure
Advanced Power Strip - Load Sensing - Owner Install - ID	Advanced Power Strip	01/30/2016	RTF Deemed	30	Measure
Advanced Power Strips:Advanced Power Strips - Occupancy	**Residential**				
Advanced Power Strip - Occupancy Sensing - Direct Install - ID	Advanced Power Strip	01/30/2016	RTF Deemed	70	Measure
Advanced Power Strip - Occupancy Sensing - Owner Install - ID	Advanced Power Strip	01/30/2016	RTF Deemed	70	Measure
Measure Category : Energy Kits					
Lighting:CFL Kit	**Residential**				
Energy Savings Kit - CFL - ID	Energy savings kit - 4-13 W CFLs	04/14/2014	RMP Deemed	63.68	Measure
Lighting:LED Kit	**Residential**				
Energy Savings Kit - LED - ID	Energy savings kit - 4-10.5 W LEDs	03/09/2015	RMP Deemed	90.72	Measure
Lighting and Plumbing:Basic Kit	**Residential**				
Energy Savings Kit - Basic - 1 Bathroom - ID	Energy savings kit - 4-13W CFLs, 1.5 GPM kitchen aerator, 0.5 GPM bathroom aerator, 1.5 GPM showerhead	04/14/2014	RMP Deemed	412.04	Measure
Energy Savings Kit - Basic - 2 Bathrooms - ID	Energy savings kit - 4-13W CFLs, 1.5 GPM kitchen aerator, 2-0.5 GPM bathroom aerators, 2-1.5 GPM showerheads	04/14/2014	RMP Deemed	734.63	Measure
Lighting and Plumbing:Best Kit	**Residential**				
Energy Savings Kit - Best - 1 Bathroom - ID	Energy savings kit - 4-10.5W LEDs, 1.5 GPM kitchen aerator, 0.5 GPM bathroom aerator, 1.5 GPM handheld showerhead	03/09/2015	RMP Deemed	439.08	Measure
Energy Savings Kit - Best - 2 Bathrooms - ID	Energy savings kit - 4-10.5W LEDs, 1.5 GPM kitchen aerator, 2-0.5 GPM bathroom aerators, 2-1.5 GPM handheld showerheads	03/09/2015	RMP Deemed	761.67	Measure
Lighting and Plumbing:Better Kit	**Residential**				
Energy Savings Kit - Better - 1 Bathroom - ID	Energy savings kit - 4-13W CFLs, 1.5 GPM kitchen aerator, 0.5 GPM bathroom aerator, 1.5 GPM handheld showerhead	04/14/2014	RMP Deemed	412.04	Measure
Energy Savings Kit - Better - 2 Bathrooms - ID	Energy savings kit - 4-13W CFLs, 1.5 GPM kitchen aerator, 2-0.5 GPM bathroom aerators, 2-1.5 GPM handheld showerheads	04/14/2014	RMP Deemed	734.63	Measure

Rocky Mountain Power Energy Efficiency Measures for Idaho

Measures Effective on 04/11/2017

		Effective Date	Energy Savings Calculation method	Gross incremental annual electric savings (kWh/yr)	Savings unit
Program : Home Energy Savings					
Measure Category : HVAC					
Controls and Thermostats:Thermostat	**Residential**				
Smart T-stat w/ ASHP - ID	Wi-Fi enabled, programmable climate control device that allows the user to customize a schedule to control the temperature of their home throughout the day	01/30/2016	RMP Deemed	1,063	null
Smart T-stat w/ EFAF + CAC - ID	Wi-Fi enabled, programmable climate control device that allows the user to customize a schedule to control the temperature of their home throughout the day	01/30/2016	RMP Deemed	1,448	null
Smart T-stat w/ EFAF - ID	Wi-Fi enabled, programmable climate control device that allows the user to customize a schedule to control the temperature of their home throughout the day	01/30/2016	RMP Deemed	1,330	null
Cooling:Central Air Conditioner	**Residential**				
Central Air Conditioner - ID	Energy efficient central air conditioning	01/30/2016	RMP Deemed	89.25	Measure
Cooling:Evaporative Cooler	**Residential**				
Evaporative Cooler - 2,000 - 3,499 CFM - ID	Evaporative coolers	01/30/2016	RMP Deemed	210	Measure
Evaporative Cooler - Min 3,500 CFM - ID	Evaporative coolers	01/30/2016	RMP Deemed	368	Measure
Evaporative Cooler - Min 3,500 CFM - Self Install - ID	Evaporative coolers	01/30/2016	RMP Deemed	368	Measure
Cooling:Residential Room Air Conditioner	**Residential**				
Room Air Conditioner - ID	Energy efficient room air conditioners	01/30/2016	RMP Deemed	39	Measure
Ducting:Duct Sealing and/or Insulation	**Residential**				
Duct Sealing & Insulation - Electric Heat - ID	Seal and insulate existing duct work	01/30/2016	RTF Deemed	3,802	Measure
Duct Sealing Only - Pre-Insulated Ducts - Electric FAF with CAC - ID	Seal existing duct work - Pre-insulated ducts	08/20/2012	RTF Deemed	2,177	Measure
Duct Sealing Only - Pre-Insulated Ducts - Electric FAF without CAC - ID	Seal existing duct work - Pre-insulated ducts	08/20/2012	RTF Deemed	2,138	Measure
Duct Sealing Only - Pre-Insulated Ducts - Electric Heat - ID	Seal existing duct work	01/30/2016	RTF Deemed	2,474	Measure
Duct Sealing Only - Pre-Insulated Ducts - Electric Heat Pump Heating system - ID	Seal existing duct work - Pre-insulated ducts	08/20/2012	RTF Deemed	2,059	Measure
Manufactured Home - Duct Sealing - Direct Install - Test Only - ID	Test existing duct work	01/30/2016	RMP Deemed	0	null
Manufactured Home - Duct Sealing - Direct Install - Test, Crossover Replacement, Seal and Insulate - ID	Test, Seal and insulate existing duct work. Crossover replacement	01/30/2016	RMP Deemed	3,267	null
Manufactured Home - Duct Sealing - Direct Install - Test, Seal and Insulate - ID	Test, Seal and insulate existing duct work	01/30/2016	RMP Deemed	3,267	null
Heat Pump:Heat Pump - Best Practice Installation	**Residential**				
New Homes Heat Pump with Best Practices Installation and Sizing - ID	New Homes Heat Pump with Best Practices Installation and Sizing - ID	01/30/2016	RMP Deemed	598	null
Heat Pump:Heat Pump - Air Source	**Residential**				

Rocky Mountain Power Energy Efficiency Measures for Idaho

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		Effective Date	Energy Savings Calculation method	Gross incremental annual electric savings (kWh/yr)	Savings unit
Program : Home Energy Savings					
Heat Pump Conversion - Tier 1 - Electric FAF with CAC - ID	Convert electric forced air furnace to air source heat pump with Best Practices Installation and Proper Sizing	01/30/2016	RTF Deemed	6,429	Measure
Heat Pump Conversion - Tier 1 - Electric FAF without CAC - ID	Convert electric forced air furnace to air source heat pump	01/30/2016	RTF Deemed	6,077	Measure
Heat Pump Conversion - Tier 2 - Electric FAF with CAC - ID	Convert electric forced air furnace to air source heat pump	01/30/2016	RTF Deemed	6,493	Measure
Heat Pump Conversion - Tier 2 - Electric FAF without CAC - ID	Convert electric forced air furnace to air source heat pump	01/30/2016	RTF Deemed	6,141	Measure
Heat Pump Upgrade with Best practice install & sizing - ID	Combine heat pump upgrade with best practices sizing and installation	01/30/2016	RMP Deemed	1,078	Measure
Heat Pump:Heat Pump - Ductless	**Residential**				
Ductless Heat Pump - ID	Install a Ductless Heat Pump	01/30/2016	RTF Deemed	1,516	Measure
New Homes Ductless Heat Pump - ID	New Homes Ductless Heat Pump - ID	01/30/2016	RMP Deemed	3,089	Measure
Heat Pump:Heat Pump - Ground Source	**Residential**				
GSHP Conversion from FAF without CAC - ID	Convert electric forced air furnace to ground source heat pump	01/30/2016	RTF Deemed	12,525	Measure
GSHP Upgrade from ASHP - ID	Replace air source heat pump with ground source heat pump	01/30/2016	RTF Deemed	4,702	Measure
Heat Pump:Heat Pump - Quality Installation	**Residential**				
Heat Pump Best Practices Installation and Proper Sizing - ID	Install new heat pump with best practices installation and proper sizing	01/30/2016	RTF Deemed	1,014	Measure
Ventilation:Furnace Fan	**Residential**				
95% Gas Furnace with ECM Blower - ID	ECM blower in 95% gas furnace	01/30/2016	RMP Deemed	528	Measure
Measure Category : Lighting					
General Service Fixtures:CFL	**Residential**				
CFL Fixture - ENERGY STAR - ID	ENERGY STAR general service CFL fixture	04/14/2014	RMP Deemed	43.66	Measure
General Service Fixtures:LED	**Residential**				
LED Fixture - ENERGY STAR - ID	ENERGY STAR general service LED fixture	04/14/2014	RMP Deemed	40.94	Measure
General Service Lamps:CFL	**Residential**				
CFL General Purpose - A-Lamp: 10 watts - Retail - ID	Energy efficient Compact Fluorescent Lamps-General Purpose	04/14/2014	RMP Deemed	10.08	Measure
CFL General Purpose - A-Lamp: 11 watts - Direct Install - ID	Energy efficient Compact Fluorescent Lamps-General Purpose	04/14/2014	RMP Deemed	12.82	Measure
CFL General Purpose - A-Lamp: 11 watts - Mail By Request - ID	Energy efficient Compact Fluorescent Lamps-General Purpose	04/14/2014	RMP Deemed	9.55	Measure
CFL General Purpose - A-Lamp: 11 watts - Retail - ID	Energy efficient Compact Fluorescent Lamps-General Purpose	04/14/2014	RMP Deemed	9.55	Measure

Rocky Mountain Power Energy Efficiency Measures for Idaho

Measures Effective on 04/11/2017

		Effective Date	Energy Savings Calculation method	Gross incremental annual electric savings (kWh/yr)	Savings unit
Program : Home Energy Savings					
CFL General Purpose - A-Lamp: 13 watts - Direct Install - ID	Energy efficient Compact Fluorescent Lamps-General Purpose	04/14/2014	RMP Deemed	21.37	Measure
CFL General Purpose - A-Lamp: 13 watts - Mail By Request - ID	Energy efficient Compact Fluorescent Lamps-General Purpose	04/14/2014	RMP Deemed	15.92	Measure
CFL General Purpose - A-Lamp: 13 watts - Retail - ID	Energy efficient Compact Fluorescent Lamps-General Purpose	04/14/2014	RMP Deemed	15.92	Measure
CFL General Purpose - A-Lamp: 14 watts - Direct Install - ID	Energy efficient Compact Fluorescent Lamps-General Purpose	04/14/2014	RMP Deemed	20.66	Measure
CFL General Purpose - A-Lamp: 14 watts - Mail By Request - ID	Energy efficient Compact Fluorescent Lamps-General Purpose	04/14/2014	RMP Deemed	15.39	Measure
CFL General Purpose - A-Lamp: 14 watts - Retail - ID	Energy efficient Compact Fluorescent Lamps-General Purpose	04/14/2014	RMP Deemed	15.39	Measure
CFL General Purpose - A-Lamp: 15 watts - Direct Install - ID	Energy efficient Compact Fluorescent Lamps-General Purpose	04/14/2014	RMP Deemed	19.94	Measure
CFL General Purpose - A-Lamp: 15 watts - Mail By Request - ID	Energy efficient Compact Fluorescent Lamps-General Purpose	04/14/2014	RMP Deemed	14.86	Measure
CFL General Purpose - A-Lamp: 15 watts - Retail - ID	Energy efficient Compact Fluorescent Lamps-General Purpose	04/14/2014	RMP Deemed	14.86	Measure
CFL General Purpose - A-Lamp: 19 watts - Direct Install - ID	Energy efficient Compact Fluorescent Lamps-General Purpose	04/14/2014	RMP Deemed	17.1	Measure
CFL General Purpose - A-Lamp: 19 watts - Mail By Request - ID	Energy efficient Compact Fluorescent Lamps-General Purpose	04/14/2014	RMP Deemed	12.73	Measure
CFL General Purpose - A-Lamp: 19 watts - Retail - ID	Energy efficient Compact Fluorescent Lamps-General Purpose	04/14/2014	RMP Deemed	12.73	Measure
CFL General Purpose - A-Lamp: 20 watts - Direct Install - ID	Energy efficient Compact Fluorescent Lamps-General Purpose	04/14/2014	RMP Deemed	23.51	Measure
CFL General Purpose - A-Lamp: 20 watts - Mail By Request - ID	Energy efficient Compact Fluorescent Lamps-General Purpose	04/14/2014	RMP Deemed	17.51	Measure
CFL General Purpose - A-Lamp: 20 watts - Retail - ID	Energy efficient Compact Fluorescent Lamps-General Purpose	04/14/2014	RMP Deemed	17.51	Measure
CFL General Purpose - A-Lamp: 9 watts - Direct Install - ID	Energy efficient Compact Fluorescent Lamps-General Purpose	04/14/2014	RMP Deemed	14.25	Measure
CFL General Purpose - A-Lamp: 9 watts - Mail By Request - ID	Energy efficient Compact Fluorescent Lamps-General Purpose	04/14/2014	RMP Deemed	10.61	Measure
CFL General Purpose - A-Lamp: 9 watts - Retail - ID	Energy efficient Compact Fluorescent Lamps-General Purpose	04/14/2014	RMP Deemed	10.61	Measure
CFL General Purpose - Spiral: 10 watts - Direct Install - ID	Energy efficient Compact Fluorescent Lamps-General Purpose	04/14/2014	RMP Deemed	13.53	Measure
CFL General Purpose - Spiral: 10 watts - Mail By Request - ID	Energy efficient Compact Fluorescent Lamps-General Purpose	04/14/2014	RMP Deemed	10.08	Measure
CFL General Purpose - Spiral: 10 watts - Retail - ID	Energy efficient Compact Fluorescent Lamps-General Purpose	04/14/2014	RMP Deemed	10.08	Measure
CFL General Purpose - Spiral: 11 watts - Direct Install - ID	Energy efficient Compact Fluorescent Lamps-General Purpose	04/14/2014	RMP Deemed	12.82	Measure

Rocky Mountain Power Energy Efficiency Measures for Idaho

Measures Effective on 04/11/2017

		Effective Date	Energy Savings Calculation method	Gross incremental annual electric savings (kWh/yr)	Savings unit
Program : Home Energy Savings					
CFL General Purpose - Spiral: 11 watts - Mail By Request - ID	Energy efficient Compact Fluorescent Lamps-General Purpose	04/14/2014	RMP Deemed	9.55	Measure
CFL General Purpose - Spiral: 11 watts - Retail - ID	Energy efficient Compact Fluorescent Lamps-General Purpose	04/14/2014	RMP Deemed	9.55	Measure
CFL General Purpose - Spiral: 12 watts - Direct Install - ID	Energy efficient Compact Fluorescent Lamps-General Purpose	04/14/2014	RMP Deemed	12.11	Measure
CFL General Purpose - Spiral: 12 watts - Mail By Request - ID	Energy efficient Compact Fluorescent Lamps-General Purpose	04/14/2014	RMP Deemed	9.02	Measure
CFL General Purpose - Spiral: 12 watts - Retail - ID	Energy efficient Compact Fluorescent Lamps-General Purpose	04/14/2014	RMP Deemed	9.02	Measure
CFL General Purpose - Spiral: 13 watts - Direct Install - ID	Energy efficient Compact Fluorescent Lamps-General Purpose	04/14/2014	RMP Deemed	21.37	Measure
CFL General Purpose - Spiral: 13 watts - Mail By Request - ID	Energy efficient Compact Fluorescent Lamps-General Purpose	04/14/2014	RMP Deemed	15.92	Measure
CFL General Purpose - Spiral: 13 watts - Retail - ID	Energy efficient Compact Fluorescent Lamps-General Purpose	04/14/2014	RMP Deemed	15.92	Measure
CFL General Purpose - Spiral: 14 watts - Direct Install - ID	Energy efficient Compact Fluorescent Lamps-General Purpose	04/14/2014	RMP Deemed	20.66	Measure
CFL General Purpose - Spiral: 14 watts - Mail By Request - ID	Energy efficient Compact Fluorescent Lamps-General Purpose	04/14/2014	RMP Deemed	15.39	Measure
CFL General Purpose - Spiral: 14 watts - Retail - ID	Energy efficient Compact Fluorescent Lamps-General Purpose	04/14/2014	RMP Deemed	15.39	Measure
CFL General Purpose - Spiral: 15 watts - Direct Install - ID	Energy efficient Compact Fluorescent Lamps-General Purpose	04/14/2014	RMP Deemed	27.07	Measure
CFL General Purpose - Spiral: 15 watts - Mail By Request - ID	Energy efficient Compact Fluorescent Lamps-General Purpose	04/14/2014	RMP Deemed	20.16	Measure
CFL General Purpose - Spiral: 15 watts - Retail - ID	Energy efficient Compact Fluorescent Lamps-General Purpose	04/14/2014	RMP Deemed	20.16	Measure
CFL General Purpose - Spiral: 18 watts - Direct Install - ID	Energy efficient Compact Fluorescent Lamps-General Purpose	04/14/2014	RMP Deemed	24.93	Measure
CFL General Purpose - Spiral: 18 watts - Mail By Request - ID	Energy efficient Compact Fluorescent Lamps-General Purpose	04/14/2014	RMP Deemed	18.57	Measure
CFL General Purpose - Spiral: 18 watts - Retail - ID	Energy efficient Compact Fluorescent Lamps-General Purpose	04/14/2014	RMP Deemed	18.57	Measure
CFL General Purpose - Spiral: 19 watts - Direct Install - ID	Energy efficient Compact Fluorescent Lamps-General Purpose	04/14/2014	RMP Deemed	24.22	Measure
CFL General Purpose - Spiral: 19 watts - Mail By Request - ID	Energy efficient Compact Fluorescent Lamps-General Purpose	04/14/2014	RMP Deemed	18.04	Measure
CFL General Purpose - Spiral: 19 watts - Retail - ID	Energy efficient Compact Fluorescent Lamps-General Purpose	04/14/2014	RMP Deemed	18.04	Measure
CFL General Purpose - Spiral: 20 watts - Direct Install - ID	Energy efficient Compact Fluorescent Lamps-General Purpose	04/14/2014	RMP Deemed	23.51	Measure
CFL General Purpose - Spiral: 20 watts - Mail By Request - ID	Energy efficient Compact Fluorescent Lamps-General Purpose	04/14/2014	RMP Deemed	17.51	Measure

Rocky Mountain Power Energy Efficiency Measures for Idaho

Measures Effective on 04/11/2017

		Effective Date	Energy Savings Calculation method	Gross incremental annual electric savings (kWh/yr)	Savings unit
Program : Home Energy Savings					
CFL General Purpose - Spiral: 20 watts - Retail - ID	Energy efficient Compact Fluorescent Lamps-General Purpose	04/14/2014	RMP Deemed	17.51	Measure
CFL General Purpose - Spiral: 21 watts - Direct Install - ID	Energy efficient Compact Fluorescent Lamps-General Purpose	01/30/2016	RMP Deemed	36.33	Measure
CFL General Purpose - Spiral: 21 watts - Mail By Request - ID	Energy efficient Compact Fluorescent Lamps-General Purpose	01/30/2016	RMP Deemed	27.06	Measure
CFL General Purpose - Spiral: 21 watts - Retail - ID	Energy efficient Compact Fluorescent Lamps-General Purpose	04/14/2014	RMP Deemed	27.06	Measure
CFL General Purpose - Spiral: 22 watts - Direct Install- ID	Energy efficient Compact Fluorescent Lamps-General Purpose	01/30/2016	RMP Deemed	35.62	Measure
CFL General Purpose - Spiral: 22 watts - Mail By Request - ID	Energy efficient Compact Fluorescent Lamps-General Purpose	01/30/2016	RMP Deemed	26.53	Measure
CFL General Purpose - Spiral: 22 watts - Retail - ID	Energy efficient Compact Fluorescent Lamps-General Purpose	04/14/2014	RMP Deemed	26.53	Measure
CFL General Purpose - Spiral: 23 watts - Direct Install - ID	Energy efficient Compact Fluorescent Lamps-General Purpose	04/14/2014	RMP Deemed	34.9	Measure
CFL General Purpose - Spiral: 23 watts - Mail By Request - ID	Energy efficient Compact Fluorescent Lamps-General Purpose	04/14/2014	RMP Deemed	26	Measure
CFL General Purpose - Spiral: 23 watts - Retail - ID	Energy efficient Compact Fluorescent Lamps-General Purpose	04/14/2014	RMP Deemed	26	Measure
CFL General Purpose - Spiral: 24 watts - Direct Install - ID	Energy efficient Compact Fluorescent Lamps-General Purpose	01/30/2016	RMP Deemed	34.19	Measure
CFL General Purpose - Spiral: 24 watts - Mail By Request - ID	Energy efficient Compact Fluorescent Lamps-General Purpose	01/30/2016	RMP Deemed	25.47	Measure
CFL General Purpose - Spiral: 24 watts - Retail - ID	Energy efficient Compact Fluorescent Lamps-General Purpose	04/14/2014	RMP Deemed	25.47	Measure
CFL General Purpose - Spiral: 25 watts - Direct Install - ID	Energy efficient Compact Fluorescent Lamps-General Purpose	01/30/2016	RMP Deemed	33.48	Measure
CFL General Purpose - Spiral: 25 watts - Mail By Request - ID	Energy efficient Compact Fluorescent Lamps-General Purpose	01/30/2016	RMP Deemed	24.94	Measure
CFL General Purpose - Spiral: 25 watts - Retail - ID	Energy efficient Compact Fluorescent Lamps-General Purpose	04/14/2014	RMP Deemed	24.94	Measure
CFL General Purpose - Spiral: 26 watts - Direct Install - ID	Energy efficient Compact Fluorescent Lamps-General Purpose	04/14/2014	RMP Deemed	32.77	Measure
CFL General Purpose - Spiral: 26 watts - Mail By Request - ID	Energy efficient Compact Fluorescent Lamps-General Purpose	04/14/2014	RMP Deemed	24.41	Measure
CFL General Purpose - Spiral: 26 watts - Retail - ID	Energy efficient Compact Fluorescent Lamps-General Purpose	04/14/2014	RMP Deemed	24.41	Measure
CFL General Purpose - Spiral: 27 watts - Direct Install - ID	Energy efficient Compact Fluorescent Lamps-General Purpose	04/14/2014	RMP Deemed	32.05	Measure
CFL General Purpose - Spiral: 27 watts - Mail By Request - ID	Energy efficient Compact Fluorescent Lamps-General Purpose	04/14/2014	RMP Deemed	23.88	Measure
CFL General Purpose - Spiral: 27 watts - Retail - ID	Energy efficient Compact Fluorescent Lamps-General Purpose	04/14/2014	RMP Deemed	23.88	Measure

Rocky Mountain Power Energy Efficiency Measures for Idaho

Measures Effective on 04/11/2017

		Effective Date	Energy Savings Calculation method	Gross incremental annual electric savings (kWh/yr)	Savings unit
Program : Home Energy Savings					
CFL General Purpose - Spiral: 28 watts - Direct Install - ID	Energy efficient Compact Fluorescent Lamps-General Purpose	04/14/2014	RMP Deemed	31.34	Measure
CFL General Purpose - Spiral: 28 watts - Mail By Request - ID	Energy efficient Compact Fluorescent Lamps-General Purpose	04/14/2014	RMP Deemed	23.35	Measure
CFL General Purpose - Spiral: 28 watts - Retail - ID	Energy efficient Compact Fluorescent Lamps-General Purpose	04/14/2014	RMP Deemed	23.35	Measure
CFL General Purpose - Spiral: 29 watts - Direct Install - ID	Energy efficient Compact Fluorescent Lamps-General Purpose	04/14/2014	RMP Deemed	30.63	Measure
CFL General Purpose - Spiral: 29 watts - Mail By Request - ID	Energy efficient Compact Fluorescent Lamps-General Purpose	04/14/2014	RMP Deemed	22.82	Measure
CFL General Purpose - Spiral: 29 watts - Retail - ID	Energy efficient Compact Fluorescent Lamps-General Purpose	04/14/2014	RMP Deemed	22.82	Measure
CFL General Purpose - Spiral: 3 watts - Direct Install - ID	Energy efficient Compact Fluorescent Lamps-General Purpose	04/14/2014	RMP Deemed	8.55	Measure
CFL General Purpose - Spiral: 3 watts - Mail By Request - ID	Energy efficient Compact Fluorescent Lamps-General Purpose	04/14/2014	RMP Deemed	6.37	Measure
CFL General Purpose - Spiral: 3 watts - Retail - ID	Energy efficient Compact Fluorescent Lamps-General Purpose	04/14/2014	RMP Deemed	6.37	Measure
CFL General Purpose - Spiral: 30 watts - Direct Install - ID	Energy efficient Compact Fluorescent Lamps-General Purpose	04/14/2014	RMP Deemed	29.92	Measure
CFL General Purpose - Spiral: 30 watts - Mail By Request - ID	Energy efficient Compact Fluorescent Lamps-General Purpose	04/14/2014	RMP Deemed	22.28	Measure
CFL General Purpose - Spiral: 30 watts - Retail - ID	Energy efficient Compact Fluorescent Lamps-General Purpose	04/14/2014	RMP Deemed	22.28	Measure
CFL General Purpose - Spiral: 31 watts - Direct Install - ID	Energy efficient Compact Fluorescent Lamps-General Purpose	04/14/2014	RMP Deemed	29.2	Measure
CFL General Purpose - Spiral: 31 watts - Mail By Request - ID	Energy efficient Compact Fluorescent Lamps-General Purpose	04/14/2014	RMP Deemed	21.75	Measure
CFL General Purpose - Spiral: 31 watts - Retail - ID	Energy efficient Compact Fluorescent Lamps-General Purpose	04/14/2014	RMP Deemed	21.75	Measure
CFL General Purpose - Spiral: 32 watts - Direct Install - ID	Energy efficient Compact Fluorescent Lamps-General Purpose	04/14/2014	RMP Deemed	28.49	Measure
CFL General Purpose - Spiral: 32 watts - Mail By Request - ID	Energy efficient Compact Fluorescent Lamps-General Purpose	04/14/2014	RMP Deemed	21.22	Measure
CFL General Purpose - Spiral: 32 watts - Retail - ID	Energy efficient Compact Fluorescent Lamps-General Purpose	04/14/2014	RMP Deemed	21.22	Measure
CFL General Purpose - Spiral: 4 watts - Direct Install - ID	Energy efficient Compact Fluorescent Lamps-General Purpose	04/14/2014	RMP Deemed	14.96	Measure
CFL General Purpose - Spiral: 4 watts - Mail By Request - ID	Energy efficient Compact Fluorescent Lamps-General Purpose	04/14/2014	RMP Deemed	11.14	Measure
CFL General Purpose - Spiral: 4 watts - Retail - ID	Energy efficient Compact Fluorescent Lamps-General Purpose	04/14/2014	RMP Deemed	11.14	Measure
CFL General Purpose - Spiral: 5 watts - Direct Install - ID	Energy efficient Compact Fluorescent Lamps-General Purpose	04/14/2014	RMP Deemed	17.81	Measure

Rocky Mountain Power Energy Efficiency Measures for Idaho

Measures Effective on 04/11/2017

		Effective Date	Energy Savings Calculation method	Gross incremental annual electric savings (kWh/yr)	Savings unit
Program : Home Energy Savings					
CFL General Purpose - Spiral: 5 watts - Mail By Request - ID	Energy efficient Compact Fluorescent Lamps-General Purpose	04/14/2014	RMP Deemed	13.26	Measure
CFL General Purpose - Spiral: 5 watts - Retail - ID	Energy efficient Compact Fluorescent Lamps-General Purpose	04/14/2014	RMP Deemed	13.26	Measure
CFL General Purpose - Spiral: 6 watts - Direct Install - ID	Energy efficient Compact Fluorescent Lamps-General Purpose	04/14/2014	RMP Deemed	16.38	Measure
CFL General Purpose - Spiral: 6 watts - Mail By Request - ID	Energy efficient Compact Fluorescent Lamps-General Purpose	04/14/2014	RMP Deemed	12.2	Measure
CFL General Purpose - Spiral: 6 watts - Retail - ID	Energy efficient Compact Fluorescent Lamps-General Purpose	04/14/2014	RMP Deemed	12.2	Measure
CFL General Purpose - Spiral: 7 watts - Direct Install - ID	Energy efficient Compact Fluorescent Lamps-General Purpose	04/14/2014	RMP Deemed	15.67	Measure
CFL General Purpose - Spiral: 7 watts - Mail By Request - ID	Energy efficient Compact Fluorescent Lamps-General Purpose	04/14/2014	RMP Deemed	11.67	Measure
CFL General Purpose - Spiral: 7 watts - Retail - ID	Energy efficient Compact Fluorescent Lamps-General Purpose	04/14/2014	RMP Deemed	11.67	Measure
CFL General Purpose - Spiral: 8 watts - Direct Install - ID	Energy efficient Compact Fluorescent Lamps-General Purpose	04/14/2014	RMP Deemed	14.96	Measure
CFL General Purpose - Spiral: 8 watts - Mail By Request - ID	Energy efficient Compact Fluorescent Lamps-General Purpose	04/14/2014	RMP Deemed	11.14	Measure
CFL General Purpose - Spiral: 8 watts - Retail - ID	Energy efficient Compact Fluorescent Lamps-General Purpose	04/14/2014	RMP Deemed	11.14	Measure
CFL General Purpose - Spiral: 9 watts - Direct Install - ID	Energy efficient Compact Fluorescent Lamps-General Purpose	04/14/2014	RMP Deemed	14.25	Measure
CFL General Purpose - Spiral: 9 watts - Mail By Request - ID	Energy efficient Compact Fluorescent Lamps-General Purpose	04/14/2014	RMP Deemed	10.61	Measure
CFL General Purpose - Spiral: 9 watts - Retail - ID	Energy efficient Compact Fluorescent Lamps-General Purpose	04/14/2014	RMP Deemed	10.61	Measure
General Service Lamps:LED	**Residential**				
LED General Purpose: 10 watts - Direct Install - ID	Energy efficient Light Emitting Diode Lamps-General Purpose	01/30/2016	RMP Deemed	23.51	Measure
LED General Purpose: 10 watts - Mail By Request - ID	Energy efficient Light Emitting Diode Lamps-General Purpose	01/30/2016	RMP Deemed	23.51	Measure
LED General Purpose: 10 watts - Retail - ID	Energy efficient Light Emitting Diode Lamps-General Purpose	01/30/2016	RMP Deemed	23.51	Measure
LED General Purpose: 10.5 watts - Direct Install - ID	Energy efficient Light Emitting Diode Lamps-General Purpose	01/30/2016	RMP Deemed	23.15	Measure
LED General Purpose: 10.5 watts - Mail By Request - ID	Energy efficient Light Emitting Diode Lamps-General Purpose	01/30/2016	RMP Deemed	23.15	Measure
LED General Purpose: 10.5 watts - Retail - ID	Energy efficient Light Emitting Diode Lamps-General Purpose	01/30/2016	RMP Deemed	23.15	Measure
LED General Purpose: 11 watts - Direct Install - ID	Energy efficient Light Emitting Diode Lamps-General Purpose	01/30/2016	RMP Deemed	22.79	Measure
LED General Purpose: 11 watts - Mail By Request - ID	Energy efficient Light Emitting Diode Lamps-General	01/30/2016	RMP Deemed	22.79	Measure

Rocky Mountain Power Energy Efficiency Measures for Idaho

Measures Effective on 04/11/2017

		Effective Date	Energy Savings Calculation method	Gross incremental annual electric savings (kWh/yr)	Savings unit
Program : Home Energy Savings					
	Purpose				
LED General Purpose: 11 watts - Retail - ID	Energy efficient Light Emitting Diode Lamps-General Purpose	01/30/2016	RMP Deemed	22.79	Measure
LED General Purpose: 12 watts - Direct Install - ID	Energy efficient Light Emitting Diode Lamps-General Purpose	01/30/2016	RMP Deemed	22.08	Measure
LED General Purpose: 12 watts - Mail By Request - ID	Energy efficient Light Emitting Diode Lamps-General Purpose	01/30/2016	RMP Deemed	22.08	Measure
LED General Purpose: 12 watts - Retail - ID	Energy efficient Light Emitting Diode Lamps-General Purpose	01/30/2016	RMP Deemed	22.08	Measure
LED General Purpose: 13 watts - Direct Install - ID	Energy efficient Light Emitting Diode Lamps-General Purpose	01/30/2016	RMP Deemed	21.37	Measure
LED General Purpose: 13 watts - Mail By Request - ID	Energy efficient Light Emitting Diode Lamps-General Purpose	01/30/2016	RMP Deemed	21.37	Measure
LED General Purpose: 13 watts - Retail - ID	Energy efficient Light Emitting Diode Lamps-General Purpose	01/30/2016	RMP Deemed	21.37	Measure
LED General Purpose: 13 watts - Semi-omnidirectional - Direct Install - ID	Energy efficient Light Emitting Diode Lamps-General Purpose	01/30/2016	RMP Deemed	21.37	Measure
LED General Purpose: 13 watts - Semi-omnidirectional - Mail By Request - ID	Energy efficient Light Emitting Diode Lamps-General Purpose	01/30/2016	RMP Deemed	21.37	Measure
LED General Purpose: 13 watts - Semi-omnidirectional - Retail - ID	Energy efficient Light Emitting Diode Lamps-General Purpose	01/30/2016	RMP Deemed	21.37	Measure
LED General Purpose: 14 watts - Direct Install - ID	Energy efficient Light Emitting Diode Lamps-General Purpose	01/30/2016	RMP Deemed	20.66	Measure
LED General Purpose: 14 watts - Mail By Request - ID	Energy efficient Light Emitting Diode Lamps-General Purpose	01/30/2016	RMP Deemed	20.66	Measure
LED General Purpose: 14 watts - Retail - ID	Energy efficient Light Emitting Diode Lamps-General Purpose	01/30/2016	RMP Deemed	20.66	Measure
LED General Purpose: 15 watts - Direct Install - ID	Energy efficient Light Emitting Diode Lamps-General Purpose	01/30/2016	RMP Deemed	19.94	Measure
LED General Purpose: 15 watts - Mail By Request - ID	Energy efficient Light Emitting Diode Lamps-General Purpose	01/30/2016	RMP Deemed	19.94	Measure
LED General Purpose: 15 watts - Retail - ID	Energy efficient Light Emitting Diode Lamps-General Purpose	01/30/2016	RMP Deemed	19.94	Measure
LED General Purpose: 16 watts - Direct Install - ID	Energy efficient Light Emitting Diode Lamps-General Purpose	01/30/2016	RMP Deemed	26.36	Measure
LED General Purpose: 16 watts - Mail By Request - ID	Energy efficient Light Emitting Diode Lamps-General Purpose	01/30/2016	RMP Deemed	26.36	Measure
LED General Purpose: 16 watts - Retail - ID	Energy efficient Light Emitting Diode Lamps-General Purpose	01/30/2016	RMP Deemed	26.36	Measure
LED General Purpose: 17 watts - Direct Install - ID	Energy efficient Light Emitting Diode Lamps-General Purpose	01/30/2016	RMP Deemed	39.18	Measure
LED General Purpose: 17 watts - Mail By Request - ID	Energy efficient Light Emitting Diode Lamps-General Purpose	01/30/2016	RMP Deemed	39.18	Measure
LED General Purpose: 17 watts - Retail - ID	Energy efficient Light Emitting Diode Lamps-General	01/30/2016	RMP Deemed	39.18	Measure

Rocky Mountain Power Energy Efficiency Measures for Idaho

Measures Effective on 04/11/2017

		Effective Date	Energy Savings Calculation method	Gross incremental annual electric savings (kWh/yr)	Savings unit
Program : Home Energy Savings					
	Purpose				
LED General Purpose: 18 watts - Direct Install - ID	Energy efficient Light Emitting Diode Lamps-General Purpose	01/30/2016	RMP Deemed	38.46	Measure
LED General Purpose: 18 watts - Mail By Request - ID	Energy efficient Light Emitting Diode Lamps-General Purpose	01/30/2016	RMP Deemed	38.46	Measure
LED General Purpose: 18 watts - Retail - ID	Energy efficient Light Emitting Diode Lamps-General Purpose	01/30/2016	RMP Deemed	38.46	Measure
LED General Purpose: 19 watts - Direct Install - ID	Energy efficient Light Emitting Diode Lamps-General Purpose	01/30/2016	RMP Deemed	37.75	Measure
LED General Purpose: 19 watts - Mail By Request - ID	Energy efficient Light Emitting Diode Lamps-General Purpose	01/30/2016	RMP Deemed	37.75	Measure
LED General Purpose: 19 watts - Retail - ID	Energy efficient Light Emitting Diode Lamps-General Purpose	01/30/2016	RMP Deemed	37.75	Measure
LED General Purpose: 2 watts - Semi-omnidirectional - Direct Install - ID	Energy efficient Light Emitting Diode Lamps-General Purpose	01/30/2016	RMP Deemed	16.38	Measure
LED General Purpose: 2 watts - Semi-omnidirectional - Mail By Request - ID	Energy efficient Light Emitting Diode Lamps-General Purpose	01/30/2016	RMP Deemed	16.38	Measure
LED General Purpose: 2 watts - Semi-omnidirectional - Retail - ID	Energy efficient Light Emitting Diode Lamps-General Purpose	01/30/2016	RMP Deemed	16.38	Measure
LED General Purpose: 23 watts - Direct Install - ID	Energy efficient Light Emitting Diode Lamps-General Purpose	01/30/2016	RMP Deemed	34.9	Measure
LED General Purpose: 23 watts - Mail By Request - ID	Energy efficient Light Emitting Diode Lamps-General Purpose	01/30/2016	RMP Deemed	34.9	Measure
LED General Purpose: 23 watts - Retail - ID	Energy efficient Light Emitting Diode Lamps-General Purpose	01/30/2016	RMP Deemed	34.9	Measure
LED General Purpose: 5 watts - Direct Install - ID	Energy efficient Light Emitting Diode Lamps-General Purpose	01/30/2016	RMP Deemed	27.07	Measure
LED General Purpose: 5 watts - Mail By Request - ID	Energy efficient Light Emitting Diode Lamps-General Purpose	01/30/2016	RMP Deemed	27.07	Measure
LED General Purpose: 5 watts - Retail - ID	Energy efficient Light Emitting Diode Lamps-General Purpose	01/30/2016	RMP Deemed	27.07	Measure
LED General Purpose: 6 watts - Direct Install - ID	Energy efficient Light Emitting Diode Lamps-General Purpose	01/30/2016	RMP Deemed	16.38	Measure
LED General Purpose: 6 watts - Mail By Request - ID	Energy efficient Light Emitting Diode Lamps-General Purpose	01/30/2016	RMP Deemed	16.38	Measure
LED General Purpose: 6 watts - Retail - ID	Energy efficient Light Emitting Diode Lamps-General Purpose	01/30/2016	RMP Deemed	16.38	Measure
LED General Purpose: 7 watts - Direct Install - ID	Energy efficient Light Emitting Diode Lamps-General Purpose	01/30/2016	RMP Deemed	15.67	Measure
LED General Purpose: 7 watts - Mail By Request - ID	Energy efficient Light Emitting Diode Lamps-General Purpose	01/30/2016	RMP Deemed	15.67	Measure
LED General Purpose: 7 watts - Retail - ID	Energy efficient Light Emitting Diode Lamps-General Purpose	01/30/2016	RMP Deemed	15.67	Measure
LED General Purpose: 8 watts - Direct Install - ID	Energy efficient Light Emitting Diode Lamps-General	01/30/2016	RMP Deemed	14.96	Measure

Rocky Mountain Power Energy Efficiency Measures for Idaho

Measures Effective on 04/11/2017

		Effective Date	Energy Savings Calculation method	Gross incremental annual electric savings (kWh/yr)	Savings unit
Program : Home Energy Savings					
	Purpose				
LED General Purpose: 8 watts - Mail By Request - ID	Energy efficient Light Emitting Diode Lamps-General Purpose	01/30/2016	RMP Deemed	14.96	Measure
LED General Purpose: 8 watts - Retail - ID	Energy efficient Light Emitting Diode Lamps-General Purpose	01/30/2016	RMP Deemed	14.96	Measure
LED General Purpose: 8 watts - Semi-omnidirectional - Direct Install - ID	Energy efficient Light Emitting Diode Lamps-General Purpose	01/30/2016	RMP Deemed	14.96	Measure
LED General Purpose: 8 watts - Semi-omnidirectional - Mail By Request - ID	Energy efficient Light Emitting Diode Lamps-General Purpose	01/30/2016	RMP Deemed	14.96	Measure
LED General Purpose: 8 watts - Semi-omnidirectional - Retail - ID	Energy efficient Light Emitting Diode Lamps-General Purpose	01/30/2016	RMP Deemed	14.96	Measure
LED General Purpose: 9 watts - Direct Install - ID	Energy efficient Light Emitting Diode Lamps-General Purpose	01/30/2016	RMP Deemed	14.25	Measure
LED General Purpose: 9 watts - Mail By Request - ID	Energy efficient Light Emitting Diode Lamps-General Purpose	01/30/2016	RMP Deemed	14.25	Measure
LED General Purpose: 9 watts - Retail - ID	Energy efficient Light Emitting Diode Lamps-General Purpose	01/30/2016	RMP Deemed	14.25	Measure
LED General Purpose: 9 watts - Semi-omnidirectional - Direct Install - ID	Energy efficient Light Emitting Diode Lamps-General Purpose	01/30/2016	RMP Deemed	14.25	Measure
LED General Purpose: 9 watts - Semi-omnidirectional - Mail By Request - ID	Energy efficient Light Emitting Diode Lamps-General Purpose	01/30/2016	RMP Deemed	14.25	Measure
LED General Purpose: 9 watts - Semi-omnidirectional - Retail - ID	Energy efficient Light Emitting Diode Lamps-General Purpose	01/30/2016	RMP Deemed	14.25	Measure
Specialty Lamps:CFL	**Residential**				
CFL Specialty - 3-Way: 10,20,28 watts - Direct Install - ID	Energy efficient Compact Fluorescent Lamps-Specialty	04/14/2014	RMP Deemed	56.98	Measure
CFL Specialty - 3-Way: 10,20,28 watts - Mail By Request - ID	Energy efficient Compact Fluorescent Lamps-Specialty	04/14/2014	RMP Deemed	42.45	Measure
CFL Specialty - 3-Way: 10,20,28 watts - Retail - ID	Energy efficient Compact Fluorescent Lamps-Specialty	01/01/2014	RMP Deemed	42.45	Measure
CFL Specialty - 3-Way: 12,19,28 watts - Direct Install - ID	Energy efficient Compact Fluorescent Lamps-Specialty	04/14/2014	RMP Deemed	57.7	Measure
CFL Specialty - 3-Way: 12,19,28 watts - Mail By Request - ID	Energy efficient Compact Fluorescent Lamps-Specialty	04/14/2014	RMP Deemed	42.98	Measure
CFL Specialty - 3-Way: 12,19,28 watts - Retail - ID	Energy efficient Compact Fluorescent Lamps-Specialty	01/01/2014	RMP Deemed	42.98	Measure
CFL Specialty - 3-Way: 12,20,26 watts - Direct Install - ID	Energy efficient Compact Fluorescent Lamps-Specialty	04/14/2014	RMP Deemed	56.98	Measure
CFL Specialty - 3-Way: 12,20,26 watts - Mail By Request - ID	Energy efficient Compact Fluorescent Lamps-Specialty	04/14/2014	RMP Deemed	42.45	Measure
CFL Specialty - 3-Way: 12,20,26 watts - Retail - ID	Energy efficient Compact Fluorescent Lamps-Specialty	01/01/2014	RMP Deemed	42.45	Measure
CFL Specialty - 3-Way: 12,20,29 watts - Direct Install - ID	Energy efficient Compact Fluorescent Lamps-Specialty	04/14/2014	RMP Deemed	56.98	Measure
CFL Specialty - 3-Way: 12,20,29 watts - Mail By Request - ID	Energy efficient Compact Fluorescent Lamps-Specialty	04/14/2014	RMP Deemed	42.45	Measure
CFL Specialty - 3-Way: 12,20,29 watts - Retail - ID	Energy efficient Compact Fluorescent Lamps-Specialty	01/01/2014	RMP Deemed	42.45	Measure
CFL Specialty - 3-Way: 12,21,32 watts - Direct Install - ID	Energy efficient Compact Fluorescent Lamps-Specialty	04/14/2014	RMP Deemed	56.27	Measure

Rocky Mountain Power Energy Efficiency Measures for Idaho

Measures Effective on 04/11/2017

		Effective Date	Energy Savings Calculation method	Gross incremental annual electric savings (kWh/yr)	Savings unit
Program : Home Energy Savings					
CFL Specialty - 3-Way: 12,21,32 watts - Mail By Request - ID	Energy efficient Compact Fluorescent Lamps-Specialty	04/14/2014	RMP Deemed	41.92	Measure
CFL Specialty - 3-Way: 12,21,32 watts - Retail - ID	Energy efficient Compact Fluorescent Lamps-Specialty	01/01/2014	RMP Deemed	41.92	Measure
CFL Specialty - 3-Way: 12,22,33 watts - Direct Install - ID	Energy efficient Compact Fluorescent Lamps-Specialty	04/14/2014	RMP Deemed	55.56	Measure
CFL Specialty - 3-Way: 12,22,33 watts - Mail By Request - ID	Energy efficient Compact Fluorescent Lamps-Specialty	04/14/2014	RMP Deemed	41.39	Measure
CFL Specialty - 3-Way: 12,22,33 watts - Retail - ID	Energy efficient Compact Fluorescent Lamps-Specialty	01/01/2014	RMP Deemed	41.39	Measure
CFL Specialty - 3-Way: 12,23,29 watts - Direct Install - ID	Energy efficient Compact Fluorescent Lamps-Specialty	04/14/2014	RMP Deemed	54.85	Measure
CFL Specialty - 3-Way: 12,23,29 watts - Mail By Request - ID	Energy efficient Compact Fluorescent Lamps-Specialty	04/14/2014	RMP Deemed	40.86	Measure
CFL Specialty - 3-Way: 12,23,29 watts - Retail - ID	Energy efficient Compact Fluorescent Lamps-Specialty	01/01/2014	RMP Deemed	40.86	Measure
CFL Specialty - 3-Way: 13,20,25 watts - Direct Install - ID	Energy efficient Compact Fluorescent Lamps-Specialty	04/14/2014	RMP Deemed	56.98	Measure
CFL Specialty - 3-Way: 13,20,25 watts - Mail By Request - ID	Energy efficient Compact Fluorescent Lamps-Specialty	04/14/2014	RMP Deemed	42.45	Measure
CFL Specialty - 3-Way: 13,20,25 watts - Retail - ID	Energy efficient Compact Fluorescent Lamps-Specialty	01/01/2014	RMP Deemed	42.45	Measure
CFL Specialty - 3-Way: 14,19,32 watts - Direct Install - ID	Energy efficient Compact Fluorescent Lamps-Specialty	04/14/2014	RMP Deemed	57.7	Measure
CFL Specialty - 3-Way: 14,19,32 watts - Mail By Request - ID	Energy efficient Compact Fluorescent Lamps-Specialty	04/14/2014	RMP Deemed	42.98	Measure
CFL Specialty - 3-Way: 14,19,32 watts - Retail - ID	Energy efficient Compact Fluorescent Lamps-Specialty	01/01/2014	RMP Deemed	42.98	Measure
CFL Specialty - 3-Way: 15,26,40 watts - Direct Install - ID	Energy efficient Compact Fluorescent Lamps-Specialty	04/14/2014	RMP Deemed	52.71	Measure
CFL Specialty - 3-Way: 15,26,40 watts - Mail By Request - ID	Energy efficient Compact Fluorescent Lamps-Specialty	04/14/2014	RMP Deemed	39.26	Measure
CFL Specialty - 3-Way: 15,26,40 watts - Retail - ID	Energy efficient Compact Fluorescent Lamps-Specialty	01/01/2014	RMP Deemed	39.26	Measure
CFL Specialty - 3-Way: 16,25,32 watts - Direct Install - ID	Energy efficient Compact Fluorescent Lamps-Specialty	04/14/2014	RMP Deemed	53.42	Measure
CFL Specialty - 3-Way: 16,25,32 watts - Mail By Request - ID	Energy efficient Compact Fluorescent Lamps-Specialty	04/14/2014	RMP Deemed	39.79	Measure
CFL Specialty - 3-Way: 16,25,32 watts - Retail - ID	Energy efficient Compact Fluorescent Lamps-Specialty	01/01/2014	RMP Deemed	39.79	Measure
CFL Specialty - Candelabra: 11 watts - Direct Install - ID	Energy efficient Compact Fluorescent Lamps-Specialty	01/30/2016	RMP Deemed	21.37	Measure
CFL Specialty - Candelabra: 13 watts - Direct Install - ID	Energy efficient Compact Fluorescent Lamps-Specialty	04/14/2014	RMP Deemed	21.37	Measure
CFL Specialty - Candelabra: 13 watts - Mail By Request - ID	Energy efficient Compact Fluorescent Lamps-Specialty	04/14/2014	RMP Deemed	15.92	Measure
CFL Specialty - Candelabra: 13 watts - Retail - ID	Energy efficient Compact Fluorescent Lamps-Specialty	01/01/2014	RMP Deemed	15.92	Measure
CFL Specialty - Candelabra: 14 watts - Direct Install - ID	Energy efficient Compact Fluorescent Lamps-Specialty	04/14/2014	RMP Deemed	20.66	Measure
CFL Specialty - Candelabra: 14 watts - Mail By Request - ID	Energy efficient Compact Fluorescent Lamps-Specialty	04/14/2014	RMP Deemed	15.39	Measure
CFL Specialty - Candelabra: 14 watts - Retail - ID	Energy efficient Compact Fluorescent Lamps-Specialty	01/01/2014	RMP Deemed	15.39	Measure
CFL Specialty - Candelabra: 3 watts - Direct Install - ID	Energy efficient Compact Fluorescent Lamps-Specialty	04/14/2014	RMP Deemed	26.36	Measure
CFL Specialty - Candelabra: 3 watts - Mail By Request - ID	Energy efficient Compact Fluorescent Lamps-Specialty	04/14/2014	RMP Deemed	19.63	Measure
CFL Specialty - Candelabra: 3 watts - Retail - ID	Energy efficient Compact Fluorescent Lamps-Specialty	01/01/2014	RMP Deemed	19.63	Measure

Rocky Mountain Power Energy Efficiency Measures for Idaho

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		Effective Date	Energy Savings Calculation method	Gross incremental annual electric savings (kWh/yr)	Savings unit
Program : Home Energy Savings					
CFL Specialty - Candelabra: 5 watts - Direct Install - ID	Energy efficient Compact Fluorescent Lamps-Specialty	04/14/2014	RMP Deemed	14.25	Measure
CFL Specialty - Candelabra: 5 watts - Mail By Request - ID	Energy efficient Compact Fluorescent Lamps-Specialty	04/14/2014	RMP Deemed	10.61	Measure
CFL Specialty - Candelabra: 5 watts - Retail - ID	Energy efficient Compact Fluorescent Lamps-Specialty	01/01/2014	RMP Deemed	10.61	Measure
CFL Specialty - Candelabra: 7 watts - Direct Install - ID	Energy efficient Compact Fluorescent Lamps-Specialty	04/14/2014	RMP Deemed	23.51	Measure
CFL Specialty - Candelabra: 7 watts - Mail By Request - ID	Energy efficient Compact Fluorescent Lamps-Specialty	04/14/2014	RMP Deemed	17.51	Measure
CFL Specialty - Candelabra: 7 watts - Retail - ID	Energy efficient Compact Fluorescent Lamps-Specialty	01/01/2014	RMP Deemed	17.51	Measure
CFL Specialty - Candelabra: 9 watts - Direct Install - ID	Energy efficient Compact Fluorescent Lamps-Specialty	04/14/2014	RMP Deemed	22.08	Measure
CFL Specialty - Candelabra: 9 watts - Mail By Request - ID	Energy efficient Compact Fluorescent Lamps-Specialty	04/14/2014	RMP Deemed	16.45	Measure
CFL Specialty - Candelabra: 9 watts - Retail - ID	Energy efficient Compact Fluorescent Lamps-Specialty	01/01/2014	RMP Deemed	16.45	Measure
CFL Specialty - Daylight: 10 watts - Direct Install - ID	Energy efficient Compact Fluorescent Lamps-Specialty	04/14/2014	RMP Deemed	21.37	Measure
CFL Specialty - Daylight: 10 watts - Mail By Request - ID	Energy efficient Compact Fluorescent Lamps-Specialty	04/14/2014	RMP Deemed	15.92	Measure
CFL Specialty - Daylight: 10 watts - Retail - ID	Energy efficient Compact Fluorescent Lamps-Specialty	01/01/2014	RMP Deemed	15.92	Measure
CFL Specialty - Daylight: 13 watts - Direct Install - ID	Energy efficient Compact Fluorescent Lamps-Specialty	04/14/2014	RMP Deemed	21.37	Measure
CFL Specialty - Daylight: 13 watts - Mail By Request - ID	Energy efficient Compact Fluorescent Lamps-Specialty	04/14/2014	RMP Deemed	15.92	Measure
CFL Specialty - Daylight: 13 watts - Retail - ID	Energy efficient Compact Fluorescent Lamps-Specialty	01/01/2014	RMP Deemed	15.92	Measure
CFL Specialty - Daylight: 14 watts - Direct Install - ID	Energy efficient Compact Fluorescent Lamps-Specialty	04/14/2014	RMP Deemed	20.66	Measure
CFL Specialty - Daylight: 14 watts - Mail By Request - ID	Energy efficient Compact Fluorescent Lamps-Specialty	04/14/2014	RMP Deemed	15.39	Measure
CFL Specialty - Daylight: 14 watts - Retail - ID	Energy efficient Compact Fluorescent Lamps-Specialty	01/01/2014	RMP Deemed	15.39	Measure
CFL Specialty - Daylight: 15 watts - Direct Install - ID	Energy efficient Compact Fluorescent Lamps-Specialty	04/14/2014	RMP Deemed	19.94	Measure
CFL Specialty - Daylight: 15 watts - Mail By Request - ID	Energy efficient Compact Fluorescent Lamps-Specialty	04/14/2014	RMP Deemed	14.86	Measure
CFL Specialty - Daylight: 15 watts - Retail - ID	Energy efficient Compact Fluorescent Lamps-Specialty	01/01/2014	RMP Deemed	14.86	Measure
CFL Specialty - Daylight: 18 watts - Direct Install - ID	Energy efficient Compact Fluorescent Lamps-Specialty	04/14/2014	RMP Deemed	24.93	Measure
CFL Specialty - Daylight: 18 watts - Mail By Request - ID	Energy efficient Compact Fluorescent Lamps-Specialty	04/14/2014	RMP Deemed	18.57	Measure
CFL Specialty - Daylight: 18 watts - Retail - ID	Energy efficient Compact Fluorescent Lamps-Specialty	01/01/2014	RMP Deemed	18.57	Measure
CFL Specialty - Daylight: 19 watts - Direct Install - ID	Energy efficient Compact Fluorescent Lamps-Specialty	04/14/2014	RMP Deemed	24.22	Measure
CFL Specialty - Daylight: 19 watts - Mail By Request - ID	Energy efficient Compact Fluorescent Lamps-Specialty	04/14/2014	RMP Deemed	18.04	Measure
CFL Specialty - Daylight: 19 watts - Retail - ID	Energy efficient Compact Fluorescent Lamps-Specialty	01/01/2014	RMP Deemed	18.04	Measure
CFL Specialty - Daylight: 20 watts - Direct Install - ID	Energy efficient Compact Fluorescent Lamps-Specialty	04/14/2014	RMP Deemed	23.51	Measure
CFL Specialty - Daylight: 20 watts - Mail By Request - ID	Energy efficient Compact Fluorescent Lamps-Specialty	04/14/2014	RMP Deemed	17.51	Measure
CFL Specialty - Daylight: 20 watts - Retail - ID	Energy efficient Compact Fluorescent Lamps-Specialty	01/01/2014	RMP Deemed	17.51	Measure

Rocky Mountain Power Energy Efficiency Measures for Idaho

Measures Effective on 04/11/2017

		Effective Date	Energy Savings Calculation method	Gross incremental annual electric savings (kWh/yr)	Savings unit
Program : Home Energy Savings					
CFL Specialty - Daylight: 22 watts - Direct Install - ID	Energy efficient Compact Fluorescent Lamps-Specialty	01/30/2016	RMP Deemed	35.62	Measure
CFL Specialty - Daylight: 22 watts - Mail By Request - ID	Energy efficient Compact Fluorescent Lamps-Specialty	01/30/2016	RMP Deemed	26.53	Measure
CFL Specialty - Daylight: 22 watts - Retail - ID	Energy efficient Compact Fluorescent Lamps-Specialty	01/01/2014	RMP Deemed	26.53	Measure
CFL Specialty - Daylight: 23 watts - Direct Install - ID	Energy efficient Compact Fluorescent Lamps-Specialty	04/14/2014	RMP Deemed	34.9	Measure
CFL Specialty - Daylight: 23 watts - Mail By Request - ID	Energy efficient Compact Fluorescent Lamps-Specialty	04/14/2014	RMP Deemed	26	Measure
CFL Specialty - Daylight: 23 watts - Retail - ID	Energy efficient Compact Fluorescent Lamps-Specialty	01/01/2014	RMP Deemed	26	Measure
CFL Specialty - Daylight: 24 watts - Direct Install - ID	Energy efficient Compact Fluorescent Lamps-Specialty	01/30/2016	RMP Deemed	34.19	Measure
CFL Specialty - Daylight: 24 watts - Mail By Request - ID	Energy efficient Compact Fluorescent Lamps-Specialty	01/30/2016	RMP Deemed	25.47	Measure
CFL Specialty - Daylight: 24 watts - Retail - ID	Energy efficient Compact Fluorescent Lamps-Specialty	04/14/2014	RMP Deemed	25.47	Measure
CFL Specialty - Daylight: 25 watts - Direct Install - ID	Energy efficient Compact Fluorescent Lamps-Specialty	01/30/2016	RMP Deemed	33.48	Measure
CFL Specialty - Daylight: 25 watts - Mail By Request - ID	Energy efficient Compact Fluorescent Lamps-Specialty	01/30/2016	RMP Deemed	24.94	Measure
CFL Specialty - Daylight: 25 watts - Retail - ID	Energy efficient Compact Fluorescent Lamps-Specialty	01/30/2016	RMP Deemed	24.94	Measure
CFL Specialty - Daylight: 26 watts - Direct Install - ID	Energy efficient Compact Fluorescent Lamps-Specialty	04/14/2014	RMP Deemed	32.77	Measure
CFL Specialty - Daylight: 26 watts - Mail By Request - ID	Energy efficient Compact Fluorescent Lamps-Specialty	04/14/2014	RMP Deemed	24.41	Measure
CFL Specialty - Daylight: 26 watts - Retail - ID	Energy efficient Compact Fluorescent Lamps-Specialty	01/01/2014	RMP Deemed	24.41	Measure
CFL Specialty - Daylight: 27 watts - Direct Install - ID	Energy efficient Compact Fluorescent Lamps-Specialty	04/14/2014	RMP Deemed	32.05	Measure
CFL Specialty - Daylight: 27 watts - Mail By Request - ID	Energy efficient Compact Fluorescent Lamps-Specialty	04/14/2014	RMP Deemed	23.88	Measure
CFL Specialty - Daylight: 27 watts - Retail - ID	Energy efficient Compact Fluorescent Lamps-Specialty	01/01/2014	RMP Deemed	23.88	Measure
CFL Specialty - Daylight: 9 watts - Direct Install - ID	Energy efficient Compact Fluorescent Lamps-Specialty	04/14/2014	RMP Deemed	22.08	Measure
CFL Specialty - Daylight: 9 watts - Mail By Request - ID	Energy efficient Compact Fluorescent Lamps-Specialty	04/14/2014	RMP Deemed	16.45	Measure
CFL Specialty - Daylight: 9 watts - Retail - ID	Energy efficient Compact Fluorescent Lamps-Specialty	01/01/2014	RMP Deemed	16.45	Measure
CFL Specialty - Dimmable: 11 watts - Direct Install - ID	Energy efficient Compact Fluorescent Lamps-Specialty	04/14/2014	RMP Deemed	20.66	Measure
CFL Specialty - Dimmable: 11 watts - Mail By Request - ID	Energy efficient Compact Fluorescent Lamps-Specialty	04/14/2014	RMP Deemed	15.39	Measure
CFL Specialty - Dimmable: 11 watts - Retail - ID	Energy efficient Compact Fluorescent Lamps-Specialty	01/01/2014	RMP Deemed	15.39	Measure
CFL Specialty - Dimmable: 14 watts - Direct Install - ID	Energy efficient Compact Fluorescent Lamps-Specialty	04/14/2014	RMP Deemed	32.77	Measure
CFL Specialty - Dimmable: 14 watts - Mail By Request - ID	Energy efficient Compact Fluorescent Lamps-Specialty	04/14/2014	RMP Deemed	24.41	Measure
CFL Specialty - Dimmable: 14 watts - Retail - ID	Energy efficient Compact Fluorescent Lamps-Specialty	01/01/2014	RMP Deemed	24.41	Measure
CFL Specialty - Dimmable: 15 watts - Direct Install - ID	Energy efficient Compact Fluorescent Lamps-Specialty	04/14/2014	RMP Deemed	32.05	Measure
CFL Specialty - Dimmable: 15 watts - Mail By Request - ID	Energy efficient Compact Fluorescent Lamps-Specialty	04/14/2014	RMP Deemed	23.88	Measure
CFL Specialty - Dimmable: 15 watts - Retail - ID	Energy efficient Compact Fluorescent Lamps-Specialty	01/01/2014	RMP Deemed	23.88	Measure

Rocky Mountain Power Energy Efficiency Measures for Idaho

Measures Effective on 04/11/2017

		Effective Date	Energy Savings Calculation method	Gross incremental annual electric savings (kWh/yr)	Savings unit
Program : Home Energy Savings					
CFL Specialty - Dimmable: 16 watts - Direct Install - ID	Energy efficient Compact Fluorescent Lamps-Specialty	04/14/2014	RMP Deemed	17.1	Measure
CFL Specialty - Dimmable: 16 watts - Mail By Request - ID	Energy efficient Compact Fluorescent Lamps-Specialty	04/14/2014	RMP Deemed	12.73	Measure
CFL Specialty - Dimmable: 16 watts - Retail - ID	Energy efficient Compact Fluorescent Lamps-Specialty	01/01/2014	RMP Deemed	12.73	Measure
CFL Specialty - Dimmable: 20 watts - Direct Install - ID	Energy efficient Compact Fluorescent Lamps-Specialty	04/14/2014	RMP Deemed	28.49	Measure
CFL Specialty - Dimmable: 20 watts - Mail By Request - ID	Energy efficient Compact Fluorescent Lamps-Specialty	04/14/2014	RMP Deemed	21.22	Measure
CFL Specialty - Dimmable: 20 watts - Retail - ID	Energy efficient Compact Fluorescent Lamps-Specialty	01/01/2014	RMP Deemed	21.22	Measure
CFL Specialty - Dimmable: 23 watts - Direct Install - ID	Energy efficient Compact Fluorescent Lamps-Specialty	04/14/2014	RMP Deemed	54.85	Measure
CFL Specialty - Dimmable: 23 watts - Mail By Request - ID	Energy efficient Compact Fluorescent Lamps-Specialty	04/14/2014	RMP Deemed	40.86	Measure
CFL Specialty - Dimmable: 23 watts - Retail - ID	Energy efficient Compact Fluorescent Lamps-Specialty	01/01/2014	RMP Deemed	40.86	Measure
CFL Specialty - Dimmable: 24 watts - Direct Install - ID	Energy efficient Compact Fluorescent Lamps-Specialty	04/14/2014	RMP Deemed	54.13	Measure
CFL Specialty - Dimmable: 24 watts - Mail By Request - ID	Energy efficient Compact Fluorescent Lamps-Specialty	04/14/2014	RMP Deemed	40.33	Measure
CFL Specialty - Dimmable: 24 watts - Retail - ID	Energy efficient Compact Fluorescent Lamps-Specialty	01/01/2014	RMP Deemed	40.33	Measure
CFL Specialty - Dimmable: 25 watts - Retail - ID	Energy efficient Compact Fluorescent Lamps-Specialty	12/31/2013	RMP Deemed	39.79	Measure
CFL Specialty - Dimmable: 26 watts - Direct Install - ID	Energy efficient Compact Fluorescent Lamps-Specialty	04/14/2014	RMP Deemed	52.71	Measure
CFL Specialty - Dimmable: 26 watts - Mail By Request - ID	Energy efficient Compact Fluorescent Lamps-Specialty	04/14/2014	RMP Deemed	39.26	Measure
CFL Specialty - Dimmable: 26 watts - Retail - ID	Energy efficient Compact Fluorescent Lamps-Specialty	01/01/2014	RMP Deemed	39.26	Measure
CFL Specialty - Dimmable: 27 watts - Direct Install - ID	Energy efficient Compact Fluorescent Lamps-Specialty	04/14/2014	RMP Deemed	52	Measure
CFL Specialty - Dimmable: 27 watts - Mail By Request - ID	Energy efficient Compact Fluorescent Lamps-Specialty	04/14/2014	RMP Deemed	38.73	Measure
CFL Specialty - Dimmable: 27 watts - Retail - ID	Energy efficient Compact Fluorescent Lamps-Specialty	01/01/2014	RMP Deemed	38.73	Measure
CFL Specialty - Globe: 11 watts - Direct Install - ID	Energy efficient Compact Fluorescent Lamps-Specialty	04/14/2014	RMP Deemed	20.66	Measure
CFL Specialty - Globe: 11 watts - Mail By Request - ID	Energy efficient Compact Fluorescent Lamps-Specialty	04/14/2014	RMP Deemed	15.39	Measure
CFL Specialty - Globe: 11 watts - Retail - ID	Energy efficient Compact Fluorescent Lamps-Specialty	01/01/2014	RMP Deemed	15.39	Measure
CFL Specialty - Globe: 12 watts - Direct Install - ID	Energy efficient Compact Fluorescent Lamps-Specialty	04/14/2014	RMP Deemed	19.94	Measure
CFL Specialty - Globe: 12 watts - Mail By Request - ID	Energy efficient Compact Fluorescent Lamps-Specialty	04/14/2014	RMP Deemed	14.86	Measure
CFL Specialty - Globe: 12 watts - Retail - ID	Energy efficient Compact Fluorescent Lamps-Specialty	01/01/2014	RMP Deemed	14.86	Measure
CFL Specialty - Globe: 14 watts - Direct Install - ID	Energy efficient Compact Fluorescent Lamps-Specialty	04/14/2014	RMP Deemed	20.66	Measure
CFL Specialty - Globe: 14 watts - Mail By Request - ID	Energy efficient Compact Fluorescent Lamps-Specialty	04/14/2014	RMP Deemed	15.39	Measure
CFL Specialty - Globe: 14 watts - Retail - ID	Energy efficient Compact Fluorescent Lamps-Specialty	01/01/2014	RMP Deemed	15.39	Measure
CFL Specialty - Globe: 15 watts - Direct Install - ID	Energy efficient Compact Fluorescent Lamps-Specialty	04/14/2014	RMP Deemed	19.94	Measure
CFL Specialty - Globe: 15 watts - Mail By Request - ID	Energy efficient Compact Fluorescent Lamps-Specialty	04/14/2014	RMP Deemed	14.86	Measure

Rocky Mountain Power Energy Efficiency Measures for Idaho

Measures Effective on 04/11/2017

		Effective Date	Energy Savings Calculation method	Gross incremental annual electric savings (kWh/yr)	Savings unit
Program : Home Energy Savings					
CFL Specialty - Globe: 15 watts - Retail - ID	Energy efficient Compact Fluorescent Lamps-Specialty	01/01/2014	RMP Deemed	14.86	Measure
CFL Specialty - Globe: 25 watts - Direct Install - ID	Energy efficient Compact Fluorescent Lamps-Specialty	04/14/2014	RMP Deemed	19.94	Measure
CFL Specialty - Globe: 25 watts - Mail By Request - ID	Energy efficient Compact Fluorescent Lamps-Specialty	04/14/2014	RMP Deemed	14.86	Measure
CFL Specialty - Globe: 25 watts - Retail - ID	Energy efficient Compact Fluorescent Lamps-Specialty	01/01/2014	RMP Deemed	14.86	Measure
CFL Specialty - Globe: 9 watts - Direct Install - ID	Energy efficient Compact Fluorescent Lamps-Specialty	04/14/2014	RMP Deemed	22.08	Measure
CFL Specialty - Globe: 9 watts - Mail By Request - ID	Energy efficient Compact Fluorescent Lamps-Specialty	04/14/2014	RMP Deemed	16.45	Measure
CFL Specialty - Globe: 9 watts - Retail - ID	Energy efficient Compact Fluorescent Lamps-Specialty	01/01/2014	RMP Deemed	16.45	Measure
CFL Specialty - Outdoor: 11 watts - Direct Install - ID	Energy efficient Compact Fluorescent Lamps-Specialty	04/14/2014	RMP Deemed	20.66	Measure
CFL Specialty - Outdoor: 11 watts - Mail By Request - ID	Energy efficient Compact Fluorescent Lamps-Specialty	04/14/2014	RMP Deemed	15.39	Measure
CFL Specialty - Outdoor: 11 watts - Retail - ID	Energy efficient Compact Fluorescent Lamps-Specialty	01/01/2014	RMP Deemed	15.39	Measure
CFL Specialty - Outdoor: 13 watts - Direct Install - ID	Energy efficient Compact Fluorescent Lamps-Specialty	04/14/2014	RMP Deemed	19.23	Measure
CFL Specialty - Outdoor: 13 watts - Mail By Request - ID	Energy efficient Compact Fluorescent Lamps-Specialty	04/14/2014	RMP Deemed	14.33	Measure
CFL Specialty - Outdoor: 13 watts - Retail - ID	Energy efficient Compact Fluorescent Lamps-Specialty	01/01/2014	RMP Deemed	14.33	Measure
CFL Specialty - Outdoor: 14 watts - Direct Install - ID	Energy efficient Compact Fluorescent Lamps-Specialty	04/14/2014	RMP Deemed	32.77	Measure
CFL Specialty - Outdoor: 14 watts - Mail By Request - ID	Energy efficient Compact Fluorescent Lamps-Specialty	04/14/2014	RMP Deemed	24.41	Measure
CFL Specialty - Outdoor: 14 watts - Retail - ID	Energy efficient Compact Fluorescent Lamps-Specialty	01/01/2014	RMP Deemed	24.41	Measure
CFL Specialty - Outdoor: 15 watts - Direct Install - ID	Energy efficient Compact Fluorescent Lamps-Specialty	04/14/2014	RMP Deemed	32.05	Measure
CFL Specialty - Outdoor: 15 watts - Mail By Request - ID	Energy efficient Compact Fluorescent Lamps-Specialty	04/14/2014	RMP Deemed	23.88	Measure
CFL Specialty - Outdoor: 15 watts - Retail - ID	Energy efficient Compact Fluorescent Lamps-Specialty	01/01/2014	RMP Deemed	23.88	Measure
CFL Specialty - Outdoor: 23 watts - Direct Install - ID	Energy efficient Compact Fluorescent Lamps-Specialty	04/14/2014	RMP Deemed	12.11	Measure
CFL Specialty - Outdoor: 23 watts - Mail By Request - ID	Energy efficient Compact Fluorescent Lamps-Specialty	04/14/2014	RMP Deemed	9.02	Measure
CFL Specialty - Outdoor: 23 watts - Retail - ID	Energy efficient Compact Fluorescent Lamps-Specialty	01/01/2014	RMP Deemed	9.02	Measure
CFL Specialty - Outdoor: 26 watts - Direct Install - ID	Energy efficient Compact Fluorescent Lamps-Specialty	04/14/2014	RMP Deemed	34.9	Measure
CFL Specialty - Outdoor: 26 watts - Mail By Request - ID	Energy efficient Compact Fluorescent Lamps-Specialty	04/14/2014	RMP Deemed	26	Measure
CFL Specialty - Outdoor: 26 watts - Retail - ID	Energy efficient Compact Fluorescent Lamps-Specialty	01/01/2014	RMP Deemed	26	Measure
CFL Specialty - Outdoor: 9 watts - Direct Install - ID	Energy efficient Compact Fluorescent Lamps-Specialty	04/14/2014	RMP Deemed	22.08	Measure
CFL Specialty - Outdoor: 9 watts - Mail By Request - ID	Energy efficient Compact Fluorescent Lamps-Specialty	04/14/2014	RMP Deemed	16.45	Measure
CFL Specialty - Outdoor: 9 watts - Retail - ID	Energy efficient Compact Fluorescent Lamps-Specialty	01/01/2014	RMP Deemed	16.45	Measure
CFL Specialty - Reflector: 11 watts - Direct Install - ID	Energy efficient Compact Fluorescent Lamps-Specialty	04/14/2014	RMP Deemed	13.53	Measure
CFL Specialty - Reflector: 11 watts - Mail By Request - ID	Energy efficient Compact Fluorescent Lamps-Specialty	04/14/2014	RMP Deemed	10.08	Measure

Rocky Mountain Power Energy Efficiency Measures for Idaho

Measures Effective on 04/11/2017

		Effective Date	Energy Savings Calculation method	Gross incremental annual electric savings (kWh/yr)	Savings unit
Program : Home Energy Savings					
CFL Specialty - Reflector: 11 watts - Retail - ID	Energy efficient Compact Fluorescent Lamps-Specialty	01/01/2014	RMP Deemed	10.08	Measure
CFL Specialty - Reflector: 14 watts - Direct Install - ID	Energy efficient Compact Fluorescent Lamps-Specialty	04/14/2014	RMP Deemed	36.33	Measure
CFL Specialty - Reflector: 14 watts - Mail By Request - ID	Energy efficient Compact Fluorescent Lamps-Specialty	04/14/2014	RMP Deemed	27.06	Measure
CFL Specialty - Reflector: 14 watts - Retail - ID	Energy efficient Compact Fluorescent Lamps-Specialty	01/01/2014	RMP Deemed	27.06	Measure
CFL Specialty - Reflector: 15 watts - Direct Install - ID	Energy efficient Compact Fluorescent Lamps-Specialty	04/14/2014	RMP Deemed	35.62	Measure
CFL Specialty - Reflector: 15 watts - Mail By Request - ID	Energy efficient Compact Fluorescent Lamps-Specialty	04/14/2014	RMP Deemed	26.53	Measure
CFL Specialty - Reflector: 15 watts - Retail - ID	Energy efficient Compact Fluorescent Lamps-Specialty	01/01/2014	RMP Deemed	26.53	Measure
CFL Specialty - Reflector: 16 watts - Direct Install - ID	Energy efficient Compact Fluorescent Lamps-Specialty	04/14/2014	RMP Deemed	34.9	Measure
CFL Specialty - Reflector: 16 watts - Mail By Request - ID	Energy efficient Compact Fluorescent Lamps-Specialty	04/14/2014	RMP Deemed	26	Measure
CFL Specialty - Reflector: 16 watts - Retail - ID	Energy efficient Compact Fluorescent Lamps-Specialty	01/01/2014	RMP Deemed	26	Measure
CFL Specialty - Reflector: 18 watts - Direct Install - ID	Energy efficient Compact Fluorescent Lamps-Specialty	04/14/2014	RMP Deemed	40.6	Measure
CFL Specialty - Reflector: 18 watts - Mail By Request - ID	Energy efficient Compact Fluorescent Lamps-Specialty	04/14/2014	RMP Deemed	30.24	Measure
CFL Specialty - Reflector: 18 watts - Retail - ID	Energy efficient Compact Fluorescent Lamps-Specialty	01/01/2014	RMP Deemed	30.24	Measure
CFL Specialty - Reflector: 19 watts - Direct Install - ID	Energy efficient Compact Fluorescent Lamps-Specialty	04/14/2014	RMP Deemed	39.89	Measure
CFL Specialty - Reflector: 19 watts - Mail By Request - ID	Energy efficient Compact Fluorescent Lamps-Specialty	04/14/2014	RMP Deemed	29.71	Measure
CFL Specialty - Reflector: 19 watts - Retail - ID	Energy efficient Compact Fluorescent Lamps-Specialty	01/01/2014	RMP Deemed	29.71	Measure
CFL Specialty - Reflector: 20 watts - Direct Install - ID	Energy efficient Compact Fluorescent Lamps-Specialty	04/14/2014	RMP Deemed	39.18	Measure
CFL Specialty - Reflector: 20 watts - Mail By Request - ID	Energy efficient Compact Fluorescent Lamps-Specialty	04/14/2014	RMP Deemed	29.18	Measure
CFL Specialty - Reflector: 20 watts - Retail - ID	Energy efficient Compact Fluorescent Lamps-Specialty	01/01/2014	RMP Deemed	29.18	Measure
CFL Specialty - Reflector: 23 watts - Direct Install - ID	Energy efficient Compact Fluorescent Lamps-Specialty	04/14/2014	RMP Deemed	47.72	Measure
CFL Specialty - Reflector: 23 watts - Mail By Request - ID	Energy efficient Compact Fluorescent Lamps-Specialty	04/14/2014	RMP Deemed	35.55	Measure
CFL Specialty - Reflector: 23 watts - Retail - ID	Energy efficient Compact Fluorescent Lamps-Specialty	01/01/2014	RMP Deemed	35.55	Measure
CFL Specialty - Reflector: 26 watts - Direct Install - ID	Energy efficient Compact Fluorescent Lamps-Specialty	04/14/2014	RMP Deemed	45.59	Measure
CFL Specialty - Reflector: 26 watts - Mail By Request - ID	Energy efficient Compact Fluorescent Lamps-Specialty	04/14/2014	RMP Deemed	33.96	Measure
CFL Specialty - Reflector: 26 watts - Retail - ID	Energy efficient Compact Fluorescent Lamps-Specialty	01/01/2014	RMP Deemed	33.96	Measure
CFL Specialty - Reflector: 9 watts - Direct Install - ID	Energy efficient Compact Fluorescent Lamps-Specialty	04/14/2014	RMP Deemed	14.96	Measure
CFL Specialty - Reflector: 9 watts - Mail By Request - ID	Energy efficient Compact Fluorescent Lamps-Specialty	04/14/2014	RMP Deemed	11.14	Measure
CFL Specialty - Reflector: 9 watts - Retail - ID	Energy efficient Compact Fluorescent Lamps-Specialty	01/01/2014	RMP Deemed	11.14	Measure
Specialty Lamps:LED	**Residential**				
LED Downlight: 10 watts - Direct Install - ID	Energy efficient Light Emitting Diode Lamps-Downlight	01/30/2016	RMP Deemed	39.18	Measure

Rocky Mountain Power Energy Efficiency Measures for Idaho

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		Effective Date	Energy Savings Calculation method	Gross incremental annual electric savings (kWh/yr)	Savings unit
Program : Home Energy Savings					
LED Downlight: 10 watts - Mail By Request - ID	Energy efficient Light Emitting Diode Lamps-Downlight	01/30/2016	RMP Deemed	39.18	Measure
LED Downlight: 10 watts - Retail - ID	Energy efficient Light Emitting Diode Lamps-Downlight	01/30/2016	RMP Deemed	39.18	Measure
LED Downlight: 11 watts - Direct Install - ID	Energy efficient Light Emitting Diode Lamps-Downlight	01/30/2016	RMP Deemed	45.59	Measure
LED Downlight: 11 watts - Mail By Request - ID	Energy efficient Light Emitting Diode Lamps-Downlight	01/30/2016	RMP Deemed	45.59	Measure
LED Downlight: 11 watts - Retail - ID	Energy efficient Light Emitting Diode Lamps-Downlight	01/30/2016	RMP Deemed	45.59	Measure
LED Downlight: 12 watts - Direct Install - ID	Energy efficient Light Emitting Diode Lamps-Downlight	01/30/2016	RMP Deemed	37.75	Measure
LED Downlight: 12 watts - Mail By Request - ID	Energy efficient Light Emitting Diode Lamps-Downlight	01/30/2016	RMP Deemed	37.75	Measure
LED Downlight: 12 watts - Retail - ID	Energy efficient Light Emitting Diode Lamps-Downlight	01/30/2016	RMP Deemed	37.75	Measure
LED Downlight: 13 watts - Direct Install - ID	Energy efficient Light Emitting Diode Lamps-Downlight	01/30/2016	RMP Deemed	37.04	Measure
LED Downlight: 13 watts - Mail By Request - ID	Energy efficient Light Emitting Diode Lamps-Downlight	01/30/2016	RMP Deemed	37.04	Measure
LED Downlight: 13 watts - Retail - ID	Energy efficient Light Emitting Diode Lamps-Downlight	01/30/2016	RMP Deemed	37.04	Measure
LED Downlight: 14 watts - Direct Install - ID	Energy efficient Light Emitting Diode Lamps-Downlight	01/30/2016	RMP Deemed	36.33	Measure
LED Downlight: 14 watts - Mail By Request - ID	Energy efficient Light Emitting Diode Lamps-Downlight	01/30/2016	RMP Deemed	36.33	Measure
LED Downlight: 14 watts - Retail - ID	Energy efficient Light Emitting Diode Lamps-Downlight	01/30/2016	RMP Deemed	36.33	Measure
LED Downlight: 15 watts - Direct Install - ID	Energy efficient Light Emitting Diode Lamps-Downlight	01/30/2016	RMP Deemed	35.62	Measure
LED Downlight: 15 watts - Mail By Request - ID	Energy efficient Light Emitting Diode Lamps-Downlight	01/30/2016	RMP Deemed	35.62	Measure
LED Downlight: 15 watts - Retail - ID	Energy efficient Light Emitting Diode Lamps-Downlight	01/30/2016	RMP Deemed	35.62	Measure
LED Downlight: 16 watts - Direct Install - ID	Energy efficient Light Emitting Diode Lamps-Downlight	01/30/2016	RMP Deemed	42.03	Measure
LED Downlight: 16 watts - Mail By Request - ID	Energy efficient Light Emitting Diode Lamps-Downlight	01/30/2016	RMP Deemed	42.03	Measure
LED Downlight: 16 watts - Retail - ID	Energy efficient Light Emitting Diode Lamps-Downlight	01/30/2016	RMP Deemed	42.03	Measure
LED Downlight: 17 watts - Direct Install - ID	Energy efficient Light Emitting Diode Lamps-Downlight	01/30/2016	RMP Deemed	41.31	Measure
LED Downlight: 17 watts - Mail By Request - ID	Energy efficient Light Emitting Diode Lamps-Downlight	01/30/2016	RMP Deemed	41.31	Measure
LED Downlight: 17 watts - Retail - ID	Energy efficient Light Emitting Diode Lamps-Downlight	01/30/2016	RMP Deemed	41.31	Measure
LED Downlight: 18 watts - Direct Install - ID	Energy efficient Light Emitting Diode Lamps-Downlight	01/30/2016	RMP Deemed	40.6	Measure
LED Downlight: 18 watts - Mail By Request - ID	Energy efficient Light Emitting Diode Lamps-Downlight	01/30/2016	RMP Deemed	40.6	Measure
LED Downlight: 18 watts - Retail - ID	Energy efficient Light Emitting Diode Lamps-Downlight	01/30/2016	RMP Deemed	40.6	Measure
LED Downlight: 19 watts - Direct Install - ID	Energy efficient Light Emitting Diode Lamps-Downlight	01/30/2016	RMP Deemed	39.89	Measure
LED Downlight: 19 watts - Mail By Request - ID	Energy efficient Light Emitting Diode Lamps-Downlight	01/30/2016	RMP Deemed	39.89	Measure
LED Downlight: 19 watts - Retail - ID	Energy efficient Light Emitting Diode Lamps-Downlight	01/30/2016	RMP Deemed	39.89	Measure
LED Downlight: 20 watts - Direct Install - ID	Energy efficient Light Emitting Diode Lamps-Downlight	01/30/2016	RMP Deemed	39.18	Measure

Rocky Mountain Power Energy Efficiency Measures for Idaho

Measures Effective on 04/11/2017

		Effective Date	Energy Savings Calculation method	Gross incremental annual electric savings (kWh/yr)	Savings unit
Program : Home Energy Savings					
LED Downlight: 20 watts - Mail By Request - ID	Energy efficient Light Emitting Diode Lamps-Downlight	01/30/2016	RMP Deemed	39.18	Measure
LED Downlight: 20 watts - Retail - ID	Energy efficient Light Emitting Diode Lamps-Downlight	01/30/2016	RMP Deemed	39.18	Measure
LED Downlight: 23 watts - Direct Install - ID	Energy efficient Light Emitting Diode Lamps-Downlight	01/30/2016	RMP Deemed	47.72	Measure
LED Downlight: 23 watts - Mail By Request - ID	Energy efficient Light Emitting Diode Lamps-Downlight	01/30/2016	RMP Deemed	47.72	Measure
LED Downlight: 23 watts - Retail - ID	Energy efficient Light Emitting Diode Lamps-Downlight	01/30/2016	RMP Deemed	47.72	Measure
LED Downlight: 5 watts - Direct Install - ID	Energy efficient Light Emitting Diode Lamps-Downlight	01/30/2016	RMP Deemed	49.86	Measure
LED Downlight: 5 watts - Mail By Request - ID	Energy efficient Light Emitting Diode Lamps-Downlight	01/30/2016	RMP Deemed	49.86	Measure
LED Downlight: 5 watts - Retail - ID	Energy efficient Light Emitting Diode Lamps-Downlight	01/30/2016	RMP Deemed	49.86	Measure
LED Downlight: 6 watts - Direct Install - ID	Energy efficient Light Emitting Diode Lamps-Downlight	01/30/2016	RMP Deemed	49.15	Measure
LED Downlight: 6 watts - Mail By Request - ID	Energy efficient Light Emitting Diode Lamps-Downlight	01/30/2016	RMP Deemed	49.15	Measure
LED Downlight: 6 watts - Retail - ID	Energy efficient Light Emitting Diode Lamps-Downlight	01/30/2016	RMP Deemed	49.15	Measure
LED Downlight: 7 watts - Direct Install - ID	Energy efficient Light Emitting Diode Lamps-Downlight	01/30/2016	RMP Deemed	16.38	Measure
LED Downlight: 7 watts - Mail By Request - ID	Energy efficient Light Emitting Diode Lamps-Downlight	01/30/2016	RMP Deemed	16.38	Measure
LED Downlight: 7 watts - Retail - ID	Energy efficient Light Emitting Diode Lamps-Downlight	01/30/2016	RMP Deemed	16.38	Measure
LED Downlight: 8 watts - Direct Install - ID	Energy efficient Light Emitting Diode Lamps-Downlight	01/30/2016	RMP Deemed	26.36	Measure
LED Downlight: 8 watts - Mail By Request - ID	Energy efficient Light Emitting Diode Lamps-Downlight	01/30/2016	RMP Deemed	26.36	Measure
LED Downlight: 8 watts - Retail - ID	Energy efficient Light Emitting Diode Lamps-Downlight	01/30/2016	RMP Deemed	26.36	Measure
LED Downlight: 9 watts - Direct Install - ID	Energy efficient Light Emitting Diode Lamps-Downlight	01/30/2016	RMP Deemed	39.89	Measure
LED Downlight: 9 watts - Mail By Request - ID	Energy efficient Light Emitting Diode Lamps-Downlight	01/30/2016	RMP Deemed	39.89	Measure
LED Downlight: 9 watts - Retail - ID	Energy efficient Light Emitting Diode Lamps-Downlight	01/30/2016	RMP Deemed	39.89	Measure
LED Specialty - 3-Way: 20 watts - Direct Install - ID	Energy efficient Light Emitting Diode Lamps-Specialty	01/30/2016	RMP Deemed	56.98	Measure
LED Specialty - 3-Way: 20 watts - Mail By Request - ID	Energy efficient Light Emitting Diode Lamps-Specialty	01/30/2016	RMP Deemed	56.98	Measure
LED Specialty - 3-Way: 20 watts - Retail - ID	Energy efficient Light Emitting Diode Lamps-Specialty	01/30/2016	RMP Deemed	56.98	Measure
LED Specialty - 3-Way: 3,8,18 watts - Retail - ID	Energy efficient Light Emitting Diode Lamps-Specialty	01/30/2016	Cadmus Eval / UMP /	37.04	Measure
LED Specialty - 3-Way: 5,9,20 watts - Retail - ID	Energy efficient Light Emitting Diode Lamps-Specialty	01/30/2016	Cadmus Eval / UMP /	36.33	Measure
LED Specialty - Candelabra: 2 watts - Direct Install - ID	Energy efficient Light Emitting Diode Lamps-Specialty	01/30/2016	RMP Deemed	16.38	Measure
LED Specialty - Candelabra: 2 watts - Mail By Request - ID	Energy efficient Light Emitting Diode Lamps-Specialty	01/30/2016	RMP Deemed	16.38	Measure
LED Specialty - Candelabra: 2 watts - Retail - ID	Energy efficient Light Emitting Diode Lamps-Specialty	01/30/2016	RMP Deemed	16.38	Measure
LED Specialty - Candelabra: 4 watts - Direct Install - ID	Energy efficient Light Emitting Diode Lamps-Specialty	01/30/2016	RMP Deemed	14.96	Measure
LED Specialty - Candelabra: 4 watts - Mail By Request - ID	Energy efficient Light Emitting Diode Lamps-Specialty	01/30/2016	RMP Deemed	14.96	Measure

Rocky Mountain Power Energy Efficiency Measures for Idaho

Measures Effective on 04/11/2017

		Effective Date	Energy Savings Calculation method	Gross incremental annual electric savings (kWh/yr)	Savings unit
Program : Home Energy Savings					
LED Specialty - Candelabra: 4 watts - Retail - ID	Energy efficient Light Emitting Diode Lamps-Specialty	01/30/2016	RMP Deemed	14.96	Measure
LED Specialty - Candelabra: 5 watts - Direct Install - ID	Energy efficient Light Emitting Diode Lamps-Specialty	01/30/2016	RMP Deemed	24.93	Measure
LED Specialty - Candelabra: 5 watts - Mail By Request - ID	Energy efficient Light Emitting Diode Lamps-Specialty	01/30/2016	RMP Deemed	24.93	Measure
LED Specialty - Candelabra: 5 watts - Retail - ID	Energy efficient Light Emitting Diode Lamps-Specialty	01/30/2016	RMP Deemed	24.93	Measure
LED Specialty - Candelabra: 7 watts - Direct Install - ID	Energy efficient Light Emitting Diode Lamps-Specialty	01/30/2016	RMP Deemed	23.51	Measure
LED Specialty - Candelabra: 7 watts - ID	Energy efficient Light Emitting Diode Lamps-Specialty	01/30/2016	RMP Deemed	23.51	Measure
LED Specialty - Candelabra: 7 watts - Mail By Request - ID	Energy efficient Light Emitting Diode Lamps-Specialty	01/30/2016	RMP Deemed	23.51	Measure
LED Specialty - Globe: 10 watts - Direct Install - ID	Energy efficient Light Emitting Diode Lamps-Specialty	01/30/2016	RMP Deemed	21.37	Measure
LED Specialty - Globe: 10 watts - Mail By Request - ID	Energy efficient Light Emitting Diode Lamps-Specialty	01/30/2016	RMP Deemed	21.37	Measure
LED Specialty - Globe: 10 watts - Retail - ID	Energy efficient Light Emitting Diode Lamps-Specialty	01/30/2016	RMP Deemed	21.37	Measure
LED Specialty - Globe: 2 watts - Direct Install - ID	Energy efficient Light Emitting Diode Lamps-Specialty	01/30/2016	RMP Deemed	16.38	Measure
LED Specialty - Globe: 2 watts - Mail By Request - ID	Energy efficient Light Emitting Diode Lamps-Specialty	01/30/2016	RMP Deemed	16.38	Measure
LED Specialty - Globe: 2 watts - Retail - ID	Energy efficient Light Emitting Diode Lamps-Specialty	01/30/2016	RMP Deemed	16.38	Measure
LED Specialty - Globe: 4 watts - Direct Install - ID	Energy efficient Light Emitting Diode Lamps-Specialty	01/30/2016	RMP Deemed	14.96	Measure
LED Specialty - Globe: 4 watts - Mail By Request - ID	Energy efficient Light Emitting Diode Lamps-Specialty	01/30/2016	RMP Deemed	14.96	Measure
LED Specialty - Globe: 4 watts - Retail - ID	Energy efficient Light Emitting Diode Lamps-Specialty	01/30/2016	RMP Deemed	14.96	Measure
LED Specialty - Globe: 5 watts - Direct Install - ID	Energy efficient Light Emitting Diode Lamps-Specialty	01/30/2016	RMP Deemed	24.93	Measure
LED Specialty - Globe: 5 watts - Mail By Request - ID	Energy efficient Light Emitting Diode Lamps-Specialty	01/30/2016	RMP Deemed	24.93	Measure
LED Specialty - Globe: 5 watts - Retail - ID	Energy efficient Light Emitting Diode Lamps-Specialty	01/30/2016	RMP Deemed	24.93	Measure
LED Specialty - Globe: 6 watts - Direct Install - ID	Energy efficient Light Emitting Diode Lamps-Specialty	01/30/2016	RMP Deemed	24.22	Measure
LED Specialty - Globe: 6 watts - Mail By Request - ID	Energy efficient Light Emitting Diode Lamps-Specialty	01/30/2016	RMP Deemed	24.22	Measure
LED Specialty - Globe: 6 watts - Retail - ID	Energy efficient Light Emitting Diode Lamps-Specialty	01/30/2016	RMP Deemed	24.22	Measure
LED Specialty - Globe: 8 watts - Direct Install - ID	Energy efficient Light Emitting Diode Lamps-Specialty	01/30/2016	RMP Deemed	22.79	Measure
LED Specialty - Globe: 8 watts - Mail By Request - ID	Energy efficient Light Emitting Diode Lamps-Specialty	01/30/2016	RMP Deemed	22.79	Measure
LED Specialty - Globe: 8 watts - Retail - ID	Energy efficient Light Emitting Diode Lamps-Specialty	01/30/2016	RMP Deemed	22.79	Measure
LED Specialty - Reflector: 10 watts - Direct Install - ID	Energy efficient Light Emitting Diode Lamps-Specialty	01/30/2016	RMP Deemed	24.93	Measure
LED Specialty - Reflector: 10 watts - Mail By Request - ID	Energy efficient Light Emitting Diode Lamps-Specialty	01/30/2016	RMP Deemed	24.93	Measure
LED Specialty - Reflector: 10 watts - Retail - ID	Energy efficient Light Emitting Diode Lamps-Specialty	01/30/2016	RMP Deemed	24.93	Measure
LED Specialty - Reflector: 4 watts - Direct Install - ID	Energy efficient Light Emitting Diode Lamps-Specialty	01/30/2016	RMP Deemed	18.52	Measure
LED Specialty - Reflector: 4 watts - Mail By Request - ID	Energy efficient Light Emitting Diode Lamps-Specialty	01/30/2016	RMP Deemed	18.52	Measure

Rocky Mountain Power Energy Efficiency Measures for Idaho

Measures Effective on 04/11/2017

		Effective Date	Energy Savings Calculation method	Gross incremental annual electric savings (kWh/yr)	Savings unit
Program : Home Energy Savings					
LED Specialty - Reflector: 4 watts - Retail - ID	Energy efficient Light Emitting Diode Lamps-Specialty	01/30/2016	RMP Deemed	18.52	Measure
LED Specialty - Reflector: 5 watts - Direct Install - ID	Energy efficient Light Emitting Diode Lamps-Specialty	01/30/2016	RMP Deemed	17.81	Measure
LED Specialty - Reflector: 5 watts - Mail By Request - ID	Energy efficient Light Emitting Diode Lamps-Specialty	01/30/2016	RMP Deemed	17.81	Measure
LED Specialty - Reflector: 5 watts - Retail - ID	Energy efficient Light Emitting Diode Lamps-Specialty	01/30/2016	RMP Deemed	17.81	Measure
LED Specialty - Reflector: 6 watts - Direct Install - ID	Energy efficient Light Emitting Diode Lamps-Specialty	01/30/2016	RMP Deemed	17.1	Measure
LED Specialty - Reflector: 6 watts - Mail By Request - ID	Energy efficient Light Emitting Diode Lamps-Specialty	01/30/2016	RMP Deemed	17.1	Measure
LED Specialty - Reflector: 6 watts - Retail - ID	Energy efficient Light Emitting Diode Lamps-Specialty	01/30/2016	RMP Deemed	17.1	Measure
Measure Category : Plumbing					
Low Flow Aerators:Aerator - 0.5 gpm	**Residential**				
Low Flow Aerator - Direct Install - Electric Only - 0.5 gpm - ID	Install Low Flow Aerator	04/14/2014	RMP Deemed	74.12	Measure
Low Flow Aerator - Mail By Request - Any Water Heat Fuel - 0.5 gpm - ID	Install Low Flow Aerator	04/14/2014	RMP Deemed	30.67	Measure
Low Flow Aerator - Mail By Request - Electric Only - 0.5 gpm - ID	Install Low Flow Aerator	04/14/2014	RMP Deemed	62.59	Measure
Low Flow Aerator - Retail - Any Water Heat Fuel - 0.5 gpm - ID	Install Low Flow Aerator	04/14/2014	RMP Deemed	28.25	Measure
Low Flow Aerators:Aerator - 1.5 gpm	**Residential**				
Low Flow Aerator - Direct Install - Electric Only - 1.5 gpm - ID	Install Low Flow Aerator	04/14/2014	RMP Deemed	30.52	Measure
Low Flow Aerator - Mail By Request - Any Water Heat Fuel - 1.5 gpm - ID	Install Low Flow Aerator	04/14/2014	RMP Deemed	12.63	Measure
Low Flow Aerator - Mail By Request - Electric Only - 1.5 gpm - ID	Install Low Flow Aerator	04/14/2014	RMP Deemed	25.77	Measure
Low Flow Aerator - Retail - Any Water Heat Fuel - 1.5 gpm - ID	Install Low Flow Aerator	04/14/2014	RMP Deemed	11.63	Measure
Low Flow Showerheads:Showerhead - 1.50 gpm	**Residential**				
Low Flow Showerhead - Direct Install - Electric Only - 1.50 gpm - ID	Install a Low Flow Showerhead	04/14/2014	RTF Deemed	307	Measure
Low Flow Showerhead - Mail By Request - Any Water Heat Fuel - 1.50 gpm - ID	Install a Low Flow Showerhead	04/14/2014	RTF Deemed	170	Measure
Low Flow Showerhead - Mail By Request - Electric Only - 1.50 gpm - ID	Install a Low Flow Showerhead	04/14/2014	RTF Deemed	260	Measure
Low Flow Showerhead - Retail - Any Water Heat Fuel - 1.50 gpm - ID	Install a Low Flow Showerhead	04/14/2014	RTF Deemed	157	Measure
Low Flow Showerheads:Showerhead - 1.75 gpm	**Residential**				
Low Flow Showerhead - Direct Install - Electric Only - 1.75 gpm - ID	Install a Low Flow Showerhead	04/14/2014	RTF Deemed	222	Measure
Low Flow Showerhead - Mail By Request - Any Water Heat Fuel - 1.75 gpm - ID	Install a Low Flow Showerhead	04/14/2014	RTF Deemed	123	Measure
Low Flow Showerhead - Mail By Request - Electric Only - 1.75 gpm	Install a Low Flow Showerhead	04/14/2014	RTF Deemed	187	Measure

Rocky Mountain Power Energy Efficiency Measures for Idaho

Measures Effective on 04/11/2017

		Effective Date	Energy Savings Calculation method	Gross incremental annual electric savings (kWh/yr)	Savings unit
Program : Home Energy Savings					
- ID					
Low Flow Showerhead - Retail - Any Water Heat Fuel - 1.75 gpm - ID	Install a Low Flow Showerhead	04/14/2014	RTF Deemed	121	Measure
Low Flow Showerheads:Showerhead - 2.00 gpm	**Residential**				
Low Flow Showerhead - Direct Install - Electric Only - 2.00 gpm - ID	Install a Low Flow Showerhead	04/14/2014	RTF Deemed	139	Measure
Low Flow Showerhead - Mail By Request - Any Water Heat Fuel - 2.00 gpm - ID	Install a Low Flow Showerhead	04/14/2014	RTF Deemed	77	Measure
Low Flow Showerhead - Mail By Request - Electric Only - 2.00 gpm - ID	Install a Low Flow Showerhead	04/14/2014	RTF Deemed	117	Measure
Low Flow Showerhead - Retail - Any Water Heat Fuel - 2.00 gpm - ID	Install a Low Flow Showerhead	04/14/2014	RTF Deemed	81	Measure
Measure Category : Water Heating					
Water Heater:Heat Pump Water Heater	**Residential**				
New Homes HPWH Tier 1 Basement 0-55gallons - ID	Electric heat pump water heater	01/30/2016	RTF Deemed	1,214	Measure
New Homes HPWH Tier 1 Basement 0-55gallons Self Install - ID	Electric heat pump water heater	01/30/2016	RTF Deemed	1,214	Measure
New Homes HPWH Tier 1 Garage 0-55 Gallons - ID	Electric heat pump water heater	01/30/2016	RTF Deemed	689	Measure
New Homes HPWH Tier 1 Garage 0-55 Gallons Self Install - ID	Electric heat pump water heater	01/30/2016	RTF Deemed	689	Measure
New Homes HPWH Tier 1 Indoor Heat Pump 0-55 Gallons - ID	Electric heat pump water heater	01/30/2016	RTF Deemed	1,217	Measure
New Homes HPWH Tier 1 Indoor Heat Pump 0-55 Gallons Self Install - ID	Electric heat pump water heater	01/30/2016	RTF Deemed	1,217	Measure
New Homes HPWH Tier 2 Basement 0-55gallons - ID	Electric heat pump water heater	01/30/2016	RTF Deemed	1,750	Measure
New Homes HPWH Tier 2 Basement 0-55gallons Self Install - ID	Electric heat pump water heater	01/30/2016	RTF Deemed	1,750	Measure
New Homes HPWH Tier 2 Ducted Electric Resistance Heat 0-55 Gallons - ID	Electric heat pump water heater	01/30/2016	RTF Deemed	1,300	Measure
New Homes HPWH Tier 2 Ducted Electric Resistance Heat 0-55 Gallons Self Install - ID	Electric heat pump water heater	01/30/2016	RTF Deemed	1,300	Measure
New Homes HPWH Tier 2 Ducted Gas Heat 0-55 Gallons - ID	Electric heat pump water heater	01/30/2016	RTF Deemed	1,785	Measure
New Homes HPWH Tier 2 Ducted Gas Heat 0-55 Gallons Self Install - ID	Electric heat pump water heater	01/30/2016	RTF Deemed	1,785	Measure
New Homes HPWH Tier 2 Ducted Heat Pump 0-55 Gallons - ID	Electric heat pump water heater	01/30/2016	RTF Deemed	1,510	Measure
New Homes HPWH Tier 2 Ducted Heat Pump 0-55 Gallons Self Install - ID	Electric heat pump water heater	01/30/2016	RTF Deemed	1,510	Measure
New Homes HPWH Tier 2 Garage 0-55 Gallons - ID	Electric heat pump water heater	01/30/2016	RTF Deemed	1,570	Measure
New Homes HPWH Tier 2 Garage 0-55 Gallons Self Install - ID	Electric heat pump water heater	01/30/2016	RTF Deemed	1,570	Measure
New Homes HPWH Tier 2 Indoor Electric Resistance Heat 0-55	Electric heat pump water heater	01/30/2016	RTF Deemed	1,467	Measure

Rocky Mountain Power Energy Efficiency Measures for Idaho

Measures Effective on 04/11/2017

		Effective Date	Energy Savings Calculation method	Gross incremental annual electric savings (kWh/yr)	Savings unit
Program : Home Energy Savings					
Gallons - ID					
New Homes HPWH Tier 2 Indoor Electric Resistance Heat 0-55 Gallons Self Install - ID	Electric heat pump water heater	01/30/2016	RTF Deemed	1,467	Measure
New Homes HPWH Tier 2 Indoor Gas Heat 0-55 Gallons - ID	Electric heat pump water heater	01/30/2016	RTF Deemed	1,875	Measure
New Homes HPWH Tier 2 Indoor Gas Heat 0-55 Gallons Self Install - ID	Electric heat pump water heater	01/30/2016	RTF Deemed	1,875	Measure
New Homes HPWH Tier 2 Indoor Heat Pump 0-55 Gallons - ID	Electric heat pump water heater	01/30/2016	RTF Deemed	1,601	Measure
New Homes HPWH Tier 2 Indoor Heat Pump 0-55 Gallons Self Install - ID	Electric heat pump water heater	01/30/2016	RTF Deemed	1,601	Measure
New Homes HPWH Tier 3 Basement 0-55gallons - ID	Electric heat pump water heater	01/30/2016	RTF Deemed	1,857	Measure
New Homes HPWH Tier 3 Basement 0-55gallons Self Install - ID	Electric heat pump water heater	01/30/2016	RTF Deemed	1,857	Measure
New Homes HPWH Tier 3 Ducted Electric Resistance Heat 0-55 Gallons - ID	Electric heat pump water heater	01/30/2016	RTF Deemed	1,361	Measure
New Homes HPWH Tier 3 Ducted Electric Resistance Heat 0-55 Gallons Self Install - ID	Electric heat pump water heater	01/30/2016	RTF Deemed	1,361	Measure
New Homes HPWH Tier 3 Ducted Gas Heat 0-55 Gallons - ID	Electric heat pump water heater	01/30/2016	RTF Deemed	1,887	Measure
New Homes HPWH Tier 3 Ducted Gas Heat 0-55 Gallons Self Install - ID	Electric heat pump water heater	01/30/2016	RTF Deemed	1,887	Measure
New Homes HPWH Tier 3 Ducted Heat Pump 0-55 Gallons - ID	Electric heat pump water heater	01/30/2016	RTF Deemed	1,585	Measure
New Homes HPWH Tier 3 Ducted Heat Pump 0-55 Gallons Self Install - ID	Electric heat pump water heater	01/30/2016	RTF Deemed	1,585	Measure
New Homes HPWH Tier 3 Garage 0-55 Gallons - ID	Electric heat pump water heater	01/30/2016	RTF Deemed	1,659	Measure
New Homes HPWH Tier 3 Garage 0-55 Gallons Self Install - ID	Electric heat pump water heater	01/30/2016	RTF Deemed	1,659	Measure
New Homes HPWH Tier 3 Indoor Electric Resistance Heat 0-55 Gallons - ID	Electric heat pump water heater	01/30/2016	RTF Deemed	1,545	Measure
New Homes HPWH Tier 3 Indoor Electric Resistance Heat 0-55 Gallons Self Install - ID	Electric heat pump water heater	01/30/2016	RTF Deemed	1,545	Measure
New Homes HPWH Tier 3 Indoor Gas Heat 0-55 Gallons - ID	Electric heat pump water heater	01/30/2016	RTF Deemed	1,982	Measure
New Homes HPWH Tier 3 Indoor Gas Heat 0-55 Gallons Self Install - ID	Electric heat pump water heater	01/30/2016	RTF Deemed	1,982	Measure
New Homes HPWH Tier 3 Indoor Heat Pump 0-55 Gallons - ID	Electric heat pump water heater	01/30/2016	RTF Deemed	1,686	Measure
New Homes HPWH Tier 3 Indoor Heat Pump 0-55 Gallons Self Install - ID	Electric heat pump water heater	01/30/2016	RTF Deemed	1,686	Measure
New Homes HPWH Tier1 Indoor Electric Resistance Heat 0-55 Gallons - ID	Electric heat pump water heater	01/30/2016	RTF Deemed	1,124	Measure
New Homes HPWH Tier1 Indoor Electric Resistance Heat 0-55 Gallons Self Install - ID	Electric heat pump water heater	01/30/2016	RTF Deemed	1,124	Measure
New Homes HPWH Tier1 Indoor Gas Heat 0-55 Gallons - ID	Electric heat pump water heater	01/30/2016	RTF Deemed	1,418	Measure
New Homes HPWH Tier1 Indoor Gas Heat 0-55 Gallons Self Install -	Electric heat pump water heater	01/30/2016	RTF Deemed	1,418	Measure

Rocky Mountain Power Energy Efficiency Measures for Idaho

Measures Effective on 04/11/2017

		Effective Date	Energy Savings Calculation method	Gross incremental annual electric savings (kWh/yr)	Savings unit
Program : Home Energy Savings					
ID					
Measure Category : Whole Home					
Whole Home:New Home - Performance Path	**Residential**				
New Homes Whole Home Performance Path Tier 1 - ID	A flexible compliance method for contractors to build to energy efficient new homes.	01/30/2016	RMP Deemed	1,727	Measure
New Homes Whole Home Performance Path Tier 2 - ID	A flexible compliance method for contractors to build to energy efficient new homes.	01/30/2016	RMP Deemed	3,454	Measure
New Homes Whole Home Performance Path Tier 3 - ID	A flexible compliance method for contractors to build to energy efficient new homes.	01/30/2016	RMP Deemed	5,181	Measure
Whole Home:New Homes - Eco-rated Manufactured	**Residential**				
New Manufactured Home Eco-rated Homes - Electric FAF - ID		01/30/2016	RTF Deemed	8,897	null
New Manufactured Home Eco-rated Homes - Gas Furnace - ID		01/30/2016	RTF Deemed	1,043	null
New Manufactured Home Eco-rated Homes - Heat Pump - ID		01/30/2016	RTF Deemed	6,372	null
Whole Home:New Homes - Energy Star Manufactured	**Residential**				
New Manufactured Home - Energy Star - Electric FAF - ID	New Manufactured Home - Energy Star - Electric FAF - ID	01/30/2016	RTF Deemed	8,057	null
New Manufactured Home - Energy Star - Electric Heat Pump - ID	New Manufactured Home - Energy Star - Electric Heat Pump - ID	01/30/2016	RTF Deemed	5,516	null
New Manufactured Home - Energy Star - Gas Furnace - ID	New Manufactured Home - Energy Star - Gas Furnace - ID	01/30/2016	RTF Deemed	1,043	null
Whole Home:New Homes - High Performance Manufactured	**Residential**				
New High Performance Manufactured Homes - ID	New High Performance Manufactured Homes - ID	01/30/2016	RTF Deemed	11,411	null
Whole Home:Whole Home - Heat Pump	**Residential**				
Whole Home Upgrade Package - Heat Pump Conversion - ID	Combine attic insulation, heat pump conversion with best practices install and sizing, and duct insulation & sealing	01/30/2016	RMP Deemed	0	Measure
Whole Home Upgrade Package - Heat Pump Upgrade - ID	Combine attic insulation, heat pump upgrade with best practices install and sizing, and duct insulation & sealing	01/30/2016	RMP Deemed	0	Measure

Rocky Mountain Power Energy Efficiency Measures for Idaho

Measures Effective on 04/11/2017

		Effective Date	Energy Savings Calculation method	Gross incremental annual electric savings (kWh/yr)	Savings unit
Program : Low Income Weatherization					
Measure Category : Appliances					
Refrigerators:Refrigerator	**Residential Low Income**				
901 Refrigerator Replacement - ID	Energy Star refrigerators	03/01/2016	RMP Deemed	Savings included in "ID Weatherization - ID" measure	Home
Measure Category : Building Shell					
Air Sealing:Air Sealed/Infiltration	**Residential Low Income**				
18 Air Sealed/Infiltration - ID	Air sealing	01/01/2014	RMP Deemed	Savings included in "ID Weatherization - ID" measure	Home
Doors:Thermal Doors	**Residential Low Income**				
31 Thermal Doors - ID	Thermal doors	01/01/2014	RMP Deemed	Savings included in "ID Weatherization - ID" measure	Home
Grounds:Ground Cover	**Residential Low Income**				
46 Ground Cover - ID	Ground cover when installed with floor insulation	01/01/2014	RMP Deemed	0	Home
Insulation:Ceiling Insulation	**Residential Low Income**				
09 Ceiling Insulation - ID	Ceiling insulation	01/01/2014	RMP Deemed	Savings included in "ID Weatherization - ID" measure	Home
Insulation:Floor Insulation	**Residential Low Income**				
11 Floor Insulation - ID	Floor insulation	01/01/2014	RMP Deemed	Savings included in "ID Weatherization - ID" measure	Home
Insulation:Wall Insulation	**Residential Low Income**				
08 Wall Insulation - ID	Wall insulation	01/01/2014	RMP Deemed	Savings included in "ID Weatherization - ID" measure	Home
Ventilation:Attic Ventilation	**Residential Low Income**				
10 Attic Ventilation - ID	Attic ventilation	01/01/2014	RMP Deemed	0	Home
Weatherization:Home Weatherization	**Residential**				
ID Weatherization - ID	This is not a distinct measure but allows for a deemed savings amount to be applied to shell measures/a set kWh per home	01/01/2016	RMP Deemed	2,189	Home
Weatherization:Home Weatherization	**Residential Low Income**				
Home Repair Cost - ID	Repairs necessary to install energy efficient measures	01/01/2014	RMP Deemed	0	Home
Windows:Window Replacement	**Residential Low Income**				
32 Double Glass Replacement - ID	Replacement windows with a U-value of 0.35 or less	01/01/2014	RMP Deemed	Savings included in "ID Weatherization - ID" measure	Home
Measure Category : Health and Safety					

Rocky Mountain Power Energy Efficiency Measures for Idaho

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		Effective Date	Energy Savings Calculation method	Gross incremental annual electric savings (kWh/yr)	Savings unit
Program : Low Income Weatherization					
Health and Safety:Health and Safety	**Residential Low Income**				
274 Health and Safety - ID	Health and safety measures related to electric usage	01/01/2014	RMP Deemed	0	Home
Measure Category : HVAC					
Controls and Thermostats:Thermostat	**Residential Low Income**				
14 Clock Thermostat - ID	Timed thermostats	01/01/2014	RMP Deemed	Savings included in "ID Weatherization - ID" measure	Measure
Ducting:Duct Sealing and/or Insulation	**Residential Low Income**				
15 Duct Insulation/Sealing Insulation - ID	Duct insulation	01/01/2014	RMP Deemed	Savings included in "ID Weatherization - ID" measure	Home
581 Duct Sealing - ID	Duct sealing	01/01/2014	RMP Deemed	Savings included in "ID Weatherization - ID" measure	Home
Heating:Furnace Repair	**Residential Low Income**				
271 Furnace Repair - ID	Electric furnace repair	01/01/2014	RMP Deemed	Savings included in "ID Weatherization - ID" measure	Measure
Heating:Furnace Replacement	**Residential Low Income**				
272 Furnace Replacement - ID	Electric furnace replacement	01/01/2014	RMP Deemed	Savings included in "ID Weatherization - ID" measure	Measure
Measure Category : Lighting					
General Service Lamps:CFL	**Residential Low Income**				
21 CFL Bulbs - ID	Energy Star CFLs	03/01/2016	RMP Deemed	Savings included in "ID Weatherization - ID" measure	Home
General Service Lamps:LED	**Residential Low Income**				
50 LED Bulbs - ID	Energy Star LEDs	03/01/2016	RMP Deemed	Savings included in "ID Weatherization - ID" measure	Home
51 LED Light Fixture - ID	LED Light Fixtures	03/01/2016	RMP Deemed	Savings included in "ID Weatherization - ID" measure	Home
Measure Category : Water Heating					
Flow Control:Faucet Aerators	**Residential Low Income**				
501 Faucet Aerators - ID	Faucet aerators	01/01/2014	RMP Deemed	Savings included in "ID Weatherization - ID" measure	Measure
Flow Control:Low Flow Shower Head	**Residential Low Income**				
19 Low Flow Shower Head - ID	Showerheads	01/01/2014	RMP Deemed	Savings included in "ID Weatherization - ID" measure	Measure
Pipe Insulation:Pipe Insulation	**Residential Low Income**				

Rocky Mountain Power Energy Efficiency Measures for Idaho

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		Effective Date	Energy Savings Calculation method	Gross incremental annual electric savings (kWh/yr)	Savings unit
Program : Low Income Weatherization					
12 Pipe Insulation HYD - ID	Water pipe wrap	01/01/2014	RMP Deemed	Savings included in "ID Weatherization - ID" measure	Home
Water Heater:Water Heater Repair	**Residential Low Income**				
240 Water Heater Repair - ID	Electric water heater repair	01/01/2014	RMP Deemed	Savings included in "ID Weatherization - ID" measure	Measure
Water Heater:Water Heater Replacement	**Residential Low Income**				
273 Water Heater Replacement - ID	Electric water heater replacement	01/01/2014	RMP Deemed	Savings included in "ID Weatherization - ID" measure	Measure
Measure Category : Whole Home					
Whole Home:Whole Home	**Residential Low Income**				
Energy Conservation Education Kit - ID		01/01/2014	RMP Deemed	Savings included in "ID Weatherization - ID" measure	Measure

Rocky Mountain Power Energy Efficiency Measures for Idaho

Measures Effective on 04/11/2017

		Effective Date	Energy Savings Calculation method	Gross incremental annual electric savings (kWh/yr)	Savings unit
Program : See Ya Later, Refrigerator					
Measure Category : Appliances					
Freezers:Freezer Recycling	**Residential**				
Freezer Recycling - ID	Freezer recycling	07/01/2014	RMP Deemed	1,033	Measure
Freezer Recycling - Secondary Market Intervention - ID	Freezer recycling, retailer pickup	07/01/2014	RMP Deemed	1,033	Measure
Refrigerators:Refrigerator Recycling	**Residential**				
Refrigerator Recycling - ID	Refrigerator recycling	07/01/2014	RMP Deemed	1,022	Measure
Refrigerator Recycling - Secondary Market Intervention - ID	Refrigerator recycling, retailer pickup	07/01/2014	RMP Deemed	1,022	Measure
Measure Category : Food Service Equipment					
Freezers:Residential Freezer Recycling	**Non-Residential**				
Freezer Recycling (residential used in a business) - ID	Freezer recycling, residential unit at non-residential site	07/01/2014	RMP Deemed	1,033	Measure
Refrigerators:Residential Refrigerator Recycling	**Non-Residential**				
Refrigerator Recycling (residential used in a business) - ID	Refrigerator recycling, residential unit at non-residential site	07/01/2014	RMP Deemed	1,022	Measure
Measure Category : Lighting					
General Service Lamps:CFL Kit	**Non-Residential**				
Energy Savings Kit (residential used in a business) - ID	Energy savings kit	07/01/2014	RMP Deemed	30.23	Measure
Energy Savings Kit - ID	Energy savings kit	01/01/2014	RMP Deemed	30.23	Measure

Rocky Mountain Power Energy Efficiency Measures for Idaho

Measures Effective on 04/11/2017

		Effective Date	Energy Savings Calculation method	Gross incremental annual electric savings (kWh/yr)	Savings unit
Program : wattsmart Business					
Measure Category : Additional Measures					
Custom:Dust Collection	**Non-Residential**				
Dust Collection (New Construction wCode) Custom - ID	Custom engineering for industrial and large commercial	01/01/2017	RMP Calculation	Savings vary by install configuration	Site-specific
Dust Collection (Retrofit & NCMR woCode) Custom - ID	Custom engineering for industrial and large commercial	01/01/2017	RMP Calculation	Savings vary by install configuration	Site-specific
Custom:Other Controls	**Non-Residential**				
Other Controls (New Construction wCode) Custom - ID	Custom engineering for industrial and large commercial	01/01/2017	RMP Calculation	Savings vary by install configuration	Site-specific
Other Controls (Retrofit & NCMR woCode) Custom - ID	Custom engineering for industrial and large commercial	01/01/2017	RMP Calculation	Savings vary by install configuration	Site-specific
Measure Category : Appliances					
Clothes Washers:Commercial Clothes Washer	**Non-Residential**				
High-Efficiency Clothes Washer (Must have Electric Water Heating) - Commercial - ENERGY STAR Qualified - ID	Energy Star Qualified High Efficiency Clothes Washer	05/14/2016	RTF Deemed	644	Measure
Clothes Washers:Residential Clothes Washer - Electric DHW &	**Non-Residential**				
Clothes Washer - 3.2 MEF or Higher - Electric DHW & Electric Dryer (residential used in a business) - ID	Energy efficient clothes washers	05/14/2016	RTF Deemed	143	Measure
Clothes Washers:Residential Clothes Washer - Electric DHW &	**Non-Residential**				
Clothes Washer - 3.2 MEF or Higher - Electric DHW & Gas Dryer (residential used in a business) - ID	Energy efficient clothes washers	05/14/2016	RTF Deemed	54	Measure
Clothes Washers:Residential Clothes Washer - Gas DHW &	**Non-Residential**				
Clothes Washer - 3.2 MEF or Higher - Gas DHW & Electric Dryer (residential used in a business) - ID	Energy efficient clothes washers	05/14/2016	RTF Deemed	106	Measure
Clothes Washers:Residential Clothes Washer - Gas DHW & Gas	**Non-Residential**				
Clothes Washer - 3.2 MEF or Higher - Gas DHW & Gas Dryer (residential used in a business) - ID	Energy efficient clothes washers	05/14/2016	RTF Deemed	16	Measure
Water Heater:Heat Pump Water Heater	**Non-Residential**				
HPWH Tier 1 Basement 0-55gallons (residential used in a business) - ID	Electric heat pump water heater	01/30/2016	RTF Deemed	1,214	Measure
HPWH Tier 1 Basement 0-55gallons Self Install (residential used in a business) - ID	Electric heat pump water heater	01/30/2016	RTF Deemed	1,214	Measure
HPWH Tier 1 Garage 0-55 Gallons (residential used in a business) - ID	Electric heat pump water heater	01/30/2016	RTF Deemed	689	Measure
HPWH Tier 1 Garage 0-55 Gallons Self Install (residential used in a business) - ID	Electric heat pump water heater	01/30/2016	RTF Deemed	689	Measure
HPWH Tier 1 Indoor Electric Resistance Heat 0-55 Gallons (residential used in a business) - ID	Electric heat pump water heater	01/30/2016	RTF Deemed	1,124	Measure

Rocky Mountain Power Energy Efficiency Measures for Idaho

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		Effective Date	Energy Savings Calculation method	Gross incremental annual electric savings (kWh/yr)	Savings unit
Program : wattsmart Business					
HPWH Tier 1 Indoor Electric Resistance Heat 0-55 Gallons Self Install (residential used in a business) - ID	Electric heat pump water heater	01/30/2016	RTF Deemed	1,124	Measure
HPWH Tier 1 Indoor Gas Heat 0-55 Gallons (residential used in a business) - ID	Electric heat pump water heater	01/30/2016	RTF Deemed	1,418	Measure
HPWH Tier 1 Indoor Gas Heat 0-55 Gallons Self Install (residential used in a business) - ID	Electric heat pump water heater	01/30/2016	RTF Deemed	1,418	Measure
HPWH Tier 1 Indoor Heat Pump 0-55 Gallons (residential used in a business) - ID	Electric heat pump water heater	01/30/2016	RTF Deemed	1,217	Measure
HPWH Tier 1 Indoor Heat Pump 0-55 Gallons Self Install (residential used in a business) - ID	Electric heat pump water heater	01/30/2016	RTF Deemed	1,217	Measure
HPWH Tier 2 Basement 0-55gallons (residential used in a business) - ID	Electric heat pump water heater	01/30/2016	RTF Deemed	1,750	Measure
HPWH Tier 2 Basement 0-55gallons Self Install (residential used in a business) - ID	Electric heat pump water heater	01/30/2016	RTF Deemed	1,750	Measure
HPWH Tier 2 Ducted Electric Resistance Heat 0-55 Gallons (residential used in a business) - ID	Electric heat pump water heater	01/30/2016	RTF Deemed	1,300	Measure
HPWH Tier 2 Ducted Electric Resistance Heat 0-55 Gallons Self Install (residential used in a business) - ID	Electric heat pump water heater	01/30/2016	RTF Deemed	1,300	Measure
HPWH Tier 2 Ducted Gas Heat 0-55 Gallons (residential used in a business) - ID	Electric heat pump water heater	01/30/2016	RTF Deemed	1,785	Measure
HPWH Tier 2 Ducted Gas Heat 0-55 Gallons Self Install (residential used in a business) - ID	Electric heat pump water heater	01/30/2016	RTF Deemed	1,785	Measure
HPWH Tier 2 Ducted Heat Pump 0-55 Gallons (residential used in a business) - ID	Electric heat pump water heater	01/30/2016	RTF Deemed	1,510	Measure
HPWH Tier 2 Ducted Heat Pump 0-55 Gallons Self Install (residential used in a business) - ID	Electric heat pump water heater	01/30/2016	RTF Deemed	1,510	Measure
HPWH Tier 2 Garage 0-55 Gallons (residential used in a business) - ID	Electric heat pump water heater	01/30/2016	RTF Deemed	1,570	Measure
HPWH Tier 2 Garage 0-55 Gallons Self Install (residential used in a business) - ID	Electric heat pump water heater	01/30/2016	RTF Deemed	1,570	Measure
HPWH Tier 2 Indoor Electric Resistance Heat 0-55 Gallons (residential used in a business) - ID	Electric heat pump water heater	01/30/2016	RTF Deemed	1,467	Measure
HPWH Tier 2 Indoor Electric Resistance Heat 0-55 Gallons Self Install (residential used in a business) - ID	Electric heat pump water heater	01/30/2016	RTF Deemed	1,467	Measure
HPWH Tier 2 Indoor Gas Heat 0-55 Gallons (residential used in a business) - ID	Electric heat pump water heater	01/30/2016	RTF Deemed	1,875	Measure
HPWH Tier 2 Indoor Gas Heat 0-55 Gallons Self Install (residential used in a business) - ID	Electric heat pump water heater	01/30/2016	RTF Deemed	1,875	Measure
HPWH Tier 2 Indoor Heat Pump 0-55 Gallons (residential used in a business) - ID	Electric heat pump water heater	01/30/2016	RTF Deemed	1,601	Measure
HPWH Tier 2 Indoor Heat Pump 0-55 Gallons Self Install (residential used in a business) - ID	Electric heat pump water heater	01/30/2016	RTF Deemed	1,601	Measure
HPWH Tier 3 Basement 0-55gallons (residential used in a business) - ID	Electric heat pump water heater	01/30/2016	RTF Deemed	1,857	Measure

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		Effective Date	Energy Savings Calculation method	Gross incremental annual electric savings (kWh/yr)	Savings unit
Program : wattsmart Business					
HPWH Tier 3 Basement 0-55gallons Self Install (residential used in a business) - ID	Electric heat pump water heater	01/30/2016	RTF Deemed	1,857	Measure
HPWH Tier 3 Ducted Electric Resistance Heat 0-55 Gallons (residential used in a business) - ID	Electric heat pump water heater	01/30/2016	RTF Deemed	1,361	Measure
HPWH Tier 3 Ducted Electric Resistance Heat 0-55 Gallons Self Install (residential used in a business) - ID	Electric heat pump water heater	01/30/2016	RTF Deemed	1,361	Measure
HPWH Tier 3 Ducted Gas Heat 0-55 Gallons (residential used in a business) - ID	Electric heat pump water heater	01/30/2016	RTF Deemed	1,887	Measure
HPWH Tier 3 Ducted Gas Heat 0-55 Gallons Self Install (residential used in a business) - ID	Electric heat pump water heater	01/30/2016	RTF Deemed	1,887	Measure
HPWH Tier 3 Ducted Heat Pump 0-55 Gallons (residential used in a business) - ID	Electric heat pump water heater	01/30/2016	RTF Deemed	1,585	Measure
HPWH Tier 3 Ducted Heat Pump 0-55 Gallons Self Install (residential used in a business) - ID	Electric heat pump water heater	01/30/2016	RTF Deemed	1,585	Measure
HPWH Tier 3 Garage 0-55 Gallons (residential used in a business) - ID	Electric heat pump water heater	01/30/2016	RTF Deemed	1,659	Measure
HPWH Tier 3 Garage 0-55 Gallons Self Install (residential used in a business) - ID	Electric heat pump water heater	01/30/2016	RTF Deemed	1,659	Measure
HPWH Tier 3 Indoor Electric Resistance Heat 0-55 Gallons (residential used in a business) - ID	Electric heat pump water heater	01/30/2016	RTF Deemed	1,545	Measure
HPWH Tier 3 Indoor Electric Resistance Heat 0-55 Gallons Self Install (residential used in a business) - ID	Electric heat pump water heater	01/30/2016	RTF Deemed	1,545	Measure
HPWH Tier 3 Indoor Gas Heat 0-55 Gallons (residential used in a business) - ID	Electric heat pump water heater	01/30/2016	RTF Deemed	1,982	Measure
HPWH Tier 3 Indoor Gas Heat 0-55 Gallons Self Install (residential used in a business) - ID	Electric heat pump water heater	01/30/2016	RTF Deemed	1,982	Measure
HPWH Tier 3 Indoor Heat Pump 0-55 Gallons (residential used in a business) - ID	Electric heat pump water heater	01/30/2016	RTF Deemed	1,686	Measure
HPWH Tier 3 Indoor Heat Pump 0-55 Gallons Self Install (residential used in a business) - ID	Electric heat pump water heater	01/30/2016	RTF Deemed	1,686	Measure
Measure Category : Building Shell					
Custom:Cool Roof	**Non-Residential**				
Cool Roof (New Construction wCode) Custom - ID	Custom engineering for industrial and large commercial	01/01/2017	RMP Calculation	Savings vary by install configuration	Site-specific
Cool Roof (Retrofit & NCMR woCode) Custom - ID	Custom engineering for industrial and large commercial	01/01/2017	RMP Calculation	Savings vary by install configuration	Site-specific
Custom:Exterior Shading	**Non-Residential**				
Exterior Shading (New Construction wCode) Custom - ID	Custom engineering for industrial and large commercial	01/01/2017	RMP Calculation	Savings vary by install configuration	Site-specific
Exterior Shading (Retrofit & NCMR woCode) Custom - ID	Custom engineering for industrial and large commercial	01/01/2017	RMP Calculation	Savings vary by install configuration	Site-specific
Custom:Glazing	**Non-Residential**				

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		Effective Date	Energy Savings Calculation method	Gross incremental annual electric savings (kWh/yr)	Savings unit
Program : wattsmart Business					
Glazing (New Construction wCode) Custom - ID	Custom engineering for industrial and large commercial	01/01/2017	RMP Calculation	Savings vary by install configuration	Site-specific
Glazing (Retrofit & NCMR woCode) Custom - ID	Custom engineering for industrial and large commercial	01/01/2017	RMP Calculation	Savings vary by install configuration	Site-specific
Custom:Insulation Package	**Non-Residential**				
Insulation Package (New Construction wCode) Custom - ID	Custom engineering for industrial and large commercial	01/01/2017	RMP Calculation	Savings vary by install configuration	Site-specific
Insulation Package (Retrofit & NCMR woCode) Custom - ID	Custom engineering for industrial and large commercial	01/01/2017	RMP Calculation	Savings vary by install configuration	Site-specific
Custom:Other Building Shell	**Non-Residential**				
Other Building Shell (New Construction wCode) Custom - ID	Custom engineering for industrial and large commercial	01/01/2017	RMP Calculation	Savings vary by install configuration	Site-specific
Other Building Shell (Retrofit & NCMR woCode) Custom - ID	Custom engineering for industrial and large commercial	01/01/2017	RMP Calculation	Savings vary by install configuration	Site-specific
Custom:Roof/Attic Insulation	**Non-Residential**				
Roof/Attic Insulation (New Construction wCode) Custom - ID	Custom engineering for industrial and large commercial	01/01/2017	RMP Calculation	Savings vary by install configuration	Site-specific
Roof/Attic Insulation (Retrofit & NCMR woCode) Custom - ID	Custom engineering for industrial and large commercial	01/01/2017	RMP Calculation	Savings vary by install configuration	Site-specific
Custom:Wall Insulation	**Non-Residential**				
Wall Insulation (New Construction wCode) Custom - ID	Custom engineering for industrial and large commercial	01/01/2017	RMP Calculation	Savings vary by install configuration	Site-specific
Wall Insulation (Retrofit & NCMR woCode) Custom - ID	Custom engineering for industrial and large commercial	01/01/2017	RMP Calculation	Savings vary by install configuration	Site-specific
Insulation:Roof/Attic Insulation	**Non-Residential**				
Roof/Attic Insulation - New Construction - ID	New Construction Roof/Attic Insulation	05/14/2016	RMP Deemed	0.035	Sq. ft.
Roof/Attic Insulation - Retrofit - ID	Retrofit Roof/Attic Insulation	05/14/2016	RMP Deemed	0.08	Sq. ft.
Insulation:Wall Insulation	**Non-Residential**				
Wall Insulation - New Construction - ID	New construction Wall Insulation	05/14/2016	RMP Deemed	0.011	Sq. ft.
Wall Insulation - Retrofit - ID	Retrofit Wall Insulation	05/14/2016	RMP Deemed	0.064	Sq. ft.
Roof:Cool Roof	**Non-Residential**				
Cool Roof - New Construction - ID	New Construction, Cool Roof, reflective roofing	05/14/2016	RMP Deemed	0.33	Sq. ft.
Cool Roof - Retrofit - ID	Retrofit,Cool Roof, reflective roofing	05/14/2016	RMP Deemed	0.33	Sq. ft.
Windows:Window Film	**Non-Residential**				
Window Film: Existing Windows - ID	Window Film	05/14/2016	RMP Calculation	Savings vary by install configuration	Site-specific
Windows:Window Replacement	**Non-Residential**				

Rocky Mountain Power Energy Efficiency Measures for Idaho

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		Effective Date	Energy Savings Calculation method	Gross incremental annual electric savings (kWh/yr)	Savings unit
Program : wattsmart Business					
Windows - Retrofit: Assembly - ID	Retrofit preassembled windows	05/14/2016	RMP Deemed	4.425	Sq. ft.
Windows - Retrofit: Site-Built - ID	Retrofit Site built windows	05/14/2016	RMP Deemed	4.065	Sq. ft.
Windows:Window Upgrade	**Non-Residential**				
Windows - New Construction: Assembly - ID	New construction preassembled windows	05/14/2016	RMP Deemed	1.614	Sq. ft.
Windows - New Construction: Site-Built - ID	New construction site built windows	05/14/2016	RMP Deemed	1.219	Sq. ft.
Measure Category : Compressed Air					
Compressed Air:Compressed air end use reduction	**Non-Residential**				
Compressed Air End Use Reduction - Retrofit ID	Replace inappropriate or inefficient compressed air end uses with functionally equivalent alternatives, leak reduction, or isolation valves.	11/13/2014	RMP Calculation	Savings vary by install configuration	Site-specific
Compressed Air:Low-pressure drop filter	**Non-Residential**				
Low-pressure drop filter (New Construction) - ID	Low pressure drop filter in place of regular filter	11/13/2014	RMP Deemed	6.79	Scfm
Low-pressure drop filter (Retrofit) - iD	Low pressure drop filter in place of regular filter	11/13/2014	RMP Deemed	6.79	Scfm
Compressed Air:Outside air intake	**Non-Residential**				
Outside air intake (New Construction) - ID	Permanent ductwork between compressor and outdoors for compressor intake air	11/13/2014	RMP Deemed	48.97	Hp
Outside air intake (Retrofit) - ID	Permanent ductwork between compressor and outdoors for compressor intake air	11/13/2014	RMP Deemed	48.97	hp
Compressed Air:Receiver capacity addition	**Non-Residential**				
Receiver capacity addition (New Construction) - ID	Incremental receiver capacity in excess of 2 gal/scfm of trim compressor capacity	11/13/2014	RMP Deemed	13.1	Gal above 2 gal/scfm
Receiver capacity addition (Retrofit) - ID	Incremental receiver capacity in excess of 2 gal/scfm of trim compressor capacity	11/13/2014	RMP Deemed	13.1	Gal above 2 gal/scfm
Compressed Air:Refrigerated cycling dryer	**Non-Residential**				
Refrigerated cycling dryer (New Construction) - ID	Cycling refrigerated dryer in place of non cycling refrigerated dryer	11/13/2014	RMP Deemed	12.73	Scfm/hr
Refrigerated cycling dryer (Retrofit) - ID	Cycling refrigerated dryer in place of non cycling refrigerated dryer	11/13/2014	RMP Deemed	12.73	Scfm/hr
Compressed Air:VFD controlled compressor	**Non-Residential**				
VFD controlled compressor (New Construction) - ID	VFD compressor in place of fixed speed compressor (oil-flooded only, not oil-free)	11/13/2014	RMP Calculation	Savings vary by install configuration	Site-specific
VFD controlled compressor (Retrofit) - ID	VFD compressor in place of fixed speed compressor (oil-flooded only, not oil-free)	11/13/2014	RMP Calculation	Savings vary by install configuration	Site-specific
Compressed Air:Zero loss condensate drain	**Non-Residential**				
Zero loss condensate drain (New Construction) - ID	No-loss condensate drain in place of conventional timer drain	11/13/2014	RMP Deemed	786.37	Measure

Rocky Mountain Power Energy Efficiency Measures for Idaho

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		Effective Date	Energy Savings Calculation method	Gross incremental annual electric savings (kWh/yr)	Savings unit
Program : wattsmart Business					
Zero loss condensate drain (Retrofit) - ID	No-loss condensate drain in place of conventional timer drain	11/13/2014	RMP Deemed	786.37	Measure
Custom:Control	**Non-Residential**				
Control (New Construction wCode) Custom - ID	Custom engineering for industrial and large commercial	01/01/2017	RMP Calculation	Savings vary by install configuration	Site-specific
Control (Retrofit & NCMR woCode) Custom - ID	Custom engineering for industrial and large commercial	01/01/2017	RMP Calculation	Savings vary by install configuration	Site-specific
Custom:Improvements	**Non-Residential**				
Improvements (New Construction wCode) Custom - ID	Custom engineering for industrial and large commercial	01/01/2017	RMP Calculation	Savings vary by install configuration	Site-specific
Improvements (Retrofit & NCMR woCode) Custom - ID	Custom engineering for industrial and large commercial	01/01/2017	RMP Calculation	Savings vary by install configuration	Site-specific
Custom:VFD Compressor	**Non-Residential**				
VFD Compressor (New Construction wCode) Custom - ID	Custom engineering for industrial and large commercial	01/01/2017	RMP Calculation	Savings vary by install configuration	Site-specific
VFD Compressor (Retrofit & NCMR woCode) Custom - ID	Custom engineering for industrial and large commercial	01/01/2017	RMP Calculation	Savings vary by install configuration	Site-specific
Measure Category : Direct Install					
Custom:Direct Install	**Non-Residential**				
Project Savings - Small Business Direct Install - ID	Project Savings - Small Business Direct Install - UT	10/01/2016	null	Savings vary by Deemed Hours of Operation	Site-specific
Measure Category : Electronics					
Office Equipment:Smart Plug Strip	**Non-Residential**				
Smart Plug Strip - ID	Any plug strip that eliminates idle or stand-by polwer consumption of connected pulg-lead appliance through the use of an occupancy sensor, electric load sensor, or timer.	05/14/2016	RMP Deemed	118	Measure
Plug Load:Advanced Power Strip	**Non-Residential**				
Advanced Power Strip - Small Business Dierct Install - ID	Non-Lighting - Advaned Power Strip	10/01/2016	null		Site-specific
Measure Category : Energy Management					
Custom:Industrial Recommissioning	**Non-Residential**				
Industrial Recommissioning Custom - ID	Custom engineering for industrial and large commercial	01/01/2017	RMP Calculation	Savings vary by install configuration	Site-specific
Custom:Persistent Recommissioning	**Non-Residential**				
Persistent Recommissioning Custom - ID	Custom engineering for industrial and large commercial	01/01/2017	RMP Calculation	Savings vary by install configuration	Site-specific

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		Effective Date	Energy Savings Calculation method	Gross incremental annual electric savings (kWh/yr)	Savings unit
Program : wattsmart Business					
Custom:Recommissioning	**Non-Residential**				
Recommissioning Custom - ID	Custom engineering for industrial and large commercial	01/01/2017	RMP Calculation	Savings vary by install configuration	Site-specific
Custom:Strategic Energy Mgmt	**Non-Residential**				
Strategic Energy Management Custom - ID	Custom engineering for industrial and large commercial	01/01/2017	RMP Calculation	Savings vary by install configuration	Site-specific
Measure Category : Farm & Dairy					
Engine Block Timers:Agricultural engine block heater timer	**Non-Residential Agriculture**				
Agricultural engine block heater timer (New Construction) - ID	Timer for cycling agricultural engine block heater	11/13/2014	RMP Deemed	512	Measure
Agricultural engine block heater timer (Retrofit) - ID	Timer for cycling agricultural engine block heater	11/13/2014	RMP Deemed	512	Measure
Fans:Circulating fan	**Non-Residential Agriculture**				
Circulating fan: 12-23" diameter (New Construction) - ID	Circulation fan, small (12-23" diameter)	11/13/2014	RMP Deemed	419	Measure
Circulating fan: 12-23" diameter (Retrofit) - ID	Circulation fan, small (12-23" diameter)	11/13/2014	RMP Deemed	419	Measure
Circulating fan: 24-35" diameter (New Construction) - ID	Circulation fan, medium (24-35" diameter)	11/13/2014	RMP Deemed	486	Measure
Circulating fan: 24-35" diameter (Retrofit) - ID	Circulation fan, medium (24-35" diameter)	11/13/2014	RMP Deemed	486	Measure
Circulating fan: 36-47" diameter (New Construction) - ID	Circulation fan, large (36-47" diameter)	11/13/2014	RMP Deemed	557	Measure
Circulating fan: 36-47" diameter (Retrofit) - ID	Circulation fan, large (36-47" diameter)	11/13/2014	RMP Deemed	557	Measure
Circulating fan: >=48" diameter (New Construction) - ID	Circulation fan, extra large (>=48" diameter)	11/13/2014	RMP Deemed	1,460	Measure
Circulating fan: >=48" diameter (Retrofit) - ID	Circulation fan, extra large (>=48" diameter)	11/13/2014	RMP Deemed	1,460	Measure
Fans:Controller	**Non-Residential Agriculture**				
Programmable ventilation controller (New Construction) - ID	Controller for automatic switching of ventilation fans	11/13/2014	RMP Deemed	1,020	Measure
Programmable ventilation controller (Retrofit) - ID	Controller for automatic switching of ventilation fans	11/13/2014	RMP Deemed	1,020	Measure
Fans:High-efficiency ventilation system	**Non-Residential Agriculture**				
High-efficiency ventilation system: 12-23" diameter (New Construction) - ID	Ventilation fan, small (12-23" diameter)	11/13/2014	RMP Deemed	419	Measure
High-efficiency ventilation system: 12-23" diameter (Retrofit) - ID	Ventilation fan, small (12-23" diameter)	11/13/2014	RMP Deemed	419	Measure
High-efficiency ventilation system: 24-35" diameter (New Construction) - ID	Ventilation fan, medium (24-35" diameter)	11/13/2014	RMP Deemed	750	Measure
High-efficiency ventilation system: 24-35" diameter (Retrofit) - ID	Ventilation fan, medium (24-35" diameter)	11/13/2014	RMP Deemed	750	Measure
High-efficiency ventilation system: 36-47" diameter (New Construction) - ID	Ventilation fan, large (36-47" diameter)	11/13/2014	RMP Deemed	1,500	Measure
High-efficiency ventilation system: 36-47" diameter (Retrofit) - iD	Ventilation fan, large (36-47" diameter)	11/13/2014	RMP Deemed	1,500	Measure
High-efficiency ventilation system: >=48" diameter (New	Ventilation fan, extra large (>=48" diameter)	11/13/2014	RMP Deemed	3,000	Measure

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		Effective Date	Energy Savings Calculation method	Gross incremental annual electric savings (kWh/yr)	Savings unit
Program : wattsmart Business					
Construction) - ID					
High-efficiency ventilation system: >=48" diameter (Retrofit) - ID	Ventilation fan, extra large (>=48" diameter)	11/13/2014	RMP Deemed	3,000	Measure
Fans:Variable Frequency Drive	**Non-Residential**				
Potato or onion storage fan VFD - ID	Add variable frequency drive to existing or new fan in potato or onion storage.	12/22/2016	RMP Deemed	1,193	hp
Livestock Waterers:High-efficiency livestock waterer	**Non-Residential Agriculture**				
High efficiency livestock waterer (New Construction) - ID	High efficiency livestock waterer	11/13/2014	RMP Deemed	1,209	Measure
High efficiency livestock waterer (Retrofit) - ID	High efficiency livestock waterer	11/13/2014	RMP Deemed	1,209	Measure
Milkers:Milker Take Off	**Non-Residential Agriculture**				
Automatic milker takeoffs (retrofit only) - ID	Automatic milker takeoff	11/13/2014	RMP Deemed	992	Measure
Refrigeration:Milk pre-cooler	**Non-Residential Agriculture**				
Milk pre-cooler (New Construction) - ID	Precool milk with well water prior to refrigeration	11/13/2014	RMP Calculation	Savings vary by install configuration	Site-specific
Milk pre-cooler (Retrofit) - ID	Precool milk with well water prior to refrigeration	11/13/2014	RMP Calculation	Savings vary by install configuration	Site-specific
Vacuum Pump:Variable Frequency Drives	**Non-Residential**				
Variable frequency drive for dairy vacuum pump (retrofit only) - ID	Add VFD to dairy vacuum pump	12/22/2016	RMP Calculation	Savings vary by install configuration	site-specific
Water Heating:Heat reclaimer	**Non-Residential Agriculture**				
Heat recovery (New Construction) - ID	Reclaim heat from refrigeration condenser to heat water	11/13/2014	RMP Calculation	Savings vary by install configuration	Site-specific
Heat recovery (Retrofit) - ID	Reclaim heat from refrigeration condenser to heat water	11/13/2014	RMP Calculation	Savings vary by install configuration	Site-specific
Measure Category : Food Service Equipment					
Cooking Equipment:Fryer	**Non-Residential**				
Electric Commercial Fryer: Tier 1 - ID	High Efficiency Energy Star qualified Commercial Fryer (Electric Only)	05/14/2016	RMP Deemed	1,689	Measure
Electric Commercial Fryer: Tier 2 - ID	High Efficiency Energy Star qualified Electric Commercial Fryer with a Cooking Efficiency >= 85% and Idle Energy Rate <= 860 W.	05/14/2016	RMP Deemed	2,881	Measure
Cooking Equipment:Griddle	**Non-Residential**				
Electric Griddle: Tier 2 - ID	High Efficiency Energy Star Tier 2 qualified Electric Griddle	05/14/2016	RMP Deemed	2,595	Measure
Cooking Equipment:Oven	**Non-Residential**				
Electric Combination Oven: (16-20 pans) - ID	High efficiency Electric Combination Oven with Heavy Load Efficiency	05/14/2016	RTF Deemed	12,945	Measure

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Program : wattsmart Business					
Electric Combination Oven: (6-15 pans) - ID	High efficiency Electric Combination Oven with Heavy Load Efficiency	05/14/2016	RTF Deemed	17,665	Measure
Electric Convection Oven: Full Size - ID	High Efficiency Electric Convection Oven	05/14/2016	RMP Deemed	3,020	Measure
Electric Convection Oven: Half Size - ID	High Efficiency Electric Convection Oven	05/14/2016	RMP Deemed	3,059	Measure
Cooking Equipment:Steam Cooker	**Non-Residential**				
Electric Steam Cooker: 3-, 4-, 5- and 6-pan sizes - Tier 1 - ID	High Efficiency Energy Star qualified Electric Steam Cooker with a Cooking Efficiency >= 50%	05/14/2016	RMP Deemed	18,769	Measure
Electric Steam Cooker: 3-, 4-, 5- and 6-pan sizes - Tier 2 - ID	High Efficiency Energy Star qualified Electric Steam Cooker with a Heavy Load Efficiency >=68%	05/14/2016	RMP Deemed	39,312	Measure
Dishwashers:Commercial Dishwasher	**Non-Residential**				
Commercial Dishwasher (Electric DHW): Multiple Tank Conveyor - ID	High Efficiency Commercial Energy Star qualified high temperature Multiple Tank Conveyor Dishwasher with electric booster using electically heated domestic water	05/14/2016	RMP Deemed	27,408	Measure
Commercial Dishwasher (Electric DHW): Single Tank Conveyor - ID	High Efficiency Commercial Energy Star qualified high temperature Single Tank Conveyor Dishwasher with electric booster using electically heated domestic water	05/14/2016	RMP Deemed	9,212	Measure
Commercial Dishwasher (Electric DHW): Stationary Rack, Single Tank, Door Type - ID	High Efficiency Commercial Energy Star qualified high temperature Stationary Rack, Single Tank, Door Type Dishwasher with electric booster using electically heated domestic water	05/14/2016	RMP Deemed	11,863	Measure
Commercial Dishwasher (Electric DHW): Undercounter - ID	High Efficiency Commercial Energy Star qualified high temperature Undercounter Dishwasher with electric booster using electically heated domestic water	05/14/2016	RMP Deemed	3,171	Measure
Commercial Dishwasher (Gas DHW): Multiple Tank Conveyor - ID	High Efficiency Commercial Energy Star qualified high temperature Multiple Tank Conveyor Dishwasher with electric booster using gas heated domestic water	05/14/2016	RMP Deemed	11,230	Measure
Commercial Dishwasher (Gas DHW): Single Tank Conveyor - ID	High Efficiency Commercial Energy Star qualified high temperature Single Tank Conveyor Dishwasher with electric booster using gas heated domestic water	05/14/2016	RMP Deemed	4,948	Measure
Commercial Dishwasher (Gas DHW): Stationary Rack, Single Tank, Door Type - ID	High Efficiency Commercial Energy Star qualified high temperature Stationary Rack, Single Tank, Door Type Dishwasher with electric booster using gas heated domestic water	05/14/2016	RMP Deemed	4,840	Measure
Commercial Dishwasher (Gas DHW): Undercounter - ID	High Efficiency Commercial Energy Star qualified high temperature Undercounter Dishwasher with electric booster using gas heated domestic water	05/14/2016	RMP Deemed	2,089	Measure
Freezers:Commercial Freezer	**Non-Residential**				
Commercial Transparent Door Freezer: 30 <= V < 50 - ID	High Efficiency Energy Star qualified Commercial Transparent Door Freezer with an interior volume equal to (30 <= V < 50 cubic feet)	11/13/2014	RMP Deemed	1,504	Measure
Grocery Refrigeration:Refrigeration Controls	**Non-Residential**				

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		Effective Date	Energy Savings Calculation method	Gross incremental annual electric savings (kWh/yr)	Savings unit
Program : wattsmart Business					
Anti-Sweat Heater Controls - Low Temp - ID	Anti-Sweat Heater Controls-RTF-Low Temp	05/14/2016	RTF Deemed	378.4	Linear ft.
Anti-Sweat Heater Controls - Med Temp - ID	Anti-Sweat Heater Controls-RTF-Med Temp	05/14/2016	RTF Deemed	232.8	Linear ft.
Holding Cabinet:Insulated Holding Cabinet	**Non-Residential**				
Electric Insulated Holding Cabinet: 13 <= V < 28 cu. ft. - ID	High Efficiency Energy Star qualified 3/4 Size Electric Insulated Holding Cabinet with internal volume of 13 <= V < 28 cubic feet	05/14/2016	RMP Deemed	2,770	Measure
Electric Insulated Holding Cabinet: < 13 cu. ft. - ID	High Efficiency Energy Star qualified Electric Insulated Holding Cabinet with internal volume of < 13 cubic feet	05/14/2016	RMP Deemed	658	Measure
Electric Insulated Holding Cabinet: >= 28 cu. Ft. - ID	High Efficiency Energy Star qualified Full Size Electric Insulated Holding Cabinet with internal volume of >= 28 cubic feet	05/14/2016	RMP Deemed	5,624	Measure
Ice Machine:Ice Machine	**Non-Residential**				
Ice Machines (Air-Cooled Only): Tier 1: Harvest Rate < 500 lbs/day - ID	High Efficiency Energy Star qualified Ice Machine with an ice harvest rate of less than 500 lbs per day	05/14/2016	RMP Deemed	748	Measure
Ice Machines (Air-Cooled Only): Tier 1: Harvest Rate >= 500 lbs/day - ID	High Efficiency Energy Star qualified Ice Machine with a ice harvest rate of equal to or greater than 500 lbs/ day	05/14/2016	RMP Deemed	2,410	Measure
Ice Machines (Air-Cooled Only): Tier 2: Harvest Rate < 500 lbs/day - ID	High Efficiency CEE Tier 2 qualified Ice Machine with an Ice harvest rate less than 500 lbs/day	05/14/2016	RMP Deemed	1,355	Measure
Ice Machines (Air-Cooled Only): Tier 2: Harvest Rate >= 500 lbs/day - ID	High Efficiency CEE Tier 2 qualified Ice Machine with an Ice harvest rate of equal to or greater than 500 lbs/day	05/14/2016	RMP Deemed	3,876	Measure
Ventilation:Kitchen Ventilation	**Non-Residential**				
Demand Controlled Kitchen Ventilation - ID	Demand Controlled Kitchen Ventilation	05/14/2016	RMP Calculation	Savings vary by install configuration	Measure
Measure Category : HVAC					
Controls and Thermostats:Controller	**Non-Residential**				
Occupancy Based PTHP/PTAC control - ID	Occupancy based PTHP/PTAC control, all sizes with no prior occupancy based control, retrofit only	05/14/2016	RMP Deemed	446	Measure
Controls and Thermostats:Thermostat	**Non-Residential**				
365/366 day Programmable Thermostat or Occupancy-based Thermostat-ID	365 day Programmable Thermosat	05/14/2016	RMP Deemed	1,310	Measure
Cooling:Chiller	**Non-Residential**				
Chillers - ID	High Efficiency Chiller	05/14/2016	RMP Calculation	Savings vary by install configuration	Site-specific
Cooling:Evaporative Cooler	**Non-Residential**				
Evaporative Cooling - ID	Indirect or Direct Evaporative Cooling	05/14/2016	RMP Deemed	0.39	Cfm
Evaporative Pre-Cooler - Retrofit - ID	Use of evaporative cooling to pre-cool the air passing over a condensing coil included as part of building cooling system. For single air-cooled packaged rooftop	05/14/2016	RMP Deemed	202	Ton

		Effective Date	Energy Savings Calculation method	Gross incremental annual electric savings (kWh/yr)	Savings unit
Program : wattsmart Business					
	or matched split system condensers only.				
Indirect-Direct Evaporative Cooling (IDEC) - ID	Indirect-direct Evaporative cooling	05/14/2016	RMP Calculation	Savings vary by install configuration	Site-specific
Cooling:Package Terminal Air Conditioners (PTAC) (Cooling	**Non-Residential**				
PTAC: <= 8,000 Btu/hr: Single package - ID	High efficiency package terminal air conditioners <= 8,000 Btu/hr, Single package	05/14/2016	RMP Deemed	21	Ton
PTAC: <= 8,000 Btu/hr: Single package - ID	High efficiency package terminal air conditioners <= 8,000 Btu/hr, Single package	11/13/2014	RMP Deemed	21	Ton
PTAC: > 13,500 Btu/hr: Single package - ID	High efficiency package terminal air conditioners > 13,500 Btu/hr, Single package	05/14/2016	RMP Deemed	27	Ton
PTAC: > 13,500 Btu/hr: Single package - ID	High efficiency package terminal air conditioners > 13,500 Btu/hr, Single package	11/13/2014	RMP Deemed	27	Ton
PTAC: > 8,000 Btu/hr and < 10,500 Btu/hr: Single package - ID	High efficiency package terminal air conditioners > 8,000 Btu/hr and < 10,500 Btu/h, Single package	05/14/2016	RMP Deemed	45	Ton
PTAC: > 8,000 Btu/hr and < 10,500 Btu/hr: Single package - ID	High efficiency package terminal air conditioners > 8,000 Btu/hr and < 10,500 Btu/h, Single package	11/13/2014	RMP Deemed	45	Ton
PTAC: >= 10,500 Btu/hr and <= 13,500 Btu/hr: Single package - ID	High efficiency package terminal air conditioners >= 10,500 Btu/hr and <= 13,500 Btu/hr, Single package	05/14/2016	RMP Deemed	28	Ton
PTAC: >= 10,500 Btu/hr and <= 13,500 Btu/hr: Single package - ID	High efficiency package terminal air conditioners >= 10,500 Btu/hr and <= 13,500 Btu/hr, Single package	11/13/2014	RMP Deemed	28	Ton
Cooling:Unitary Commercial Air Conditioners, Air-Cooled	**Non-Residential**				
Unitary CAC (Air): < 65, 000 Btu/hr (single phase): Single Package - CEE Tier 2 - ID	CEE Tier 2, High Efficiency Air Conditioner Air Cooled < 65,000 Btu/hr, single package	05/14/2016	RMP Calculation	Savings vary by install configuration	Site-specific
Unitary CAC (Air): < 65, 000 Btu/hr (single phase): Split System - CEE Tier 2 - ID	CEE Tier 2, High Efficiency Air Conditioner Air Cooled < 65,000 Btu/hr, split system	05/14/2016	RMP Calculation	Savings vary by install configuration	Site-specific
Unitary CAC (Air): All equipment sizes (three phase): Single Package - CEE Tier 1 - ID	CEE Tier 1, High Efficiency Air Conditioner Air Cooled, All equipment sizes, single package	05/14/2016	RMP Calculation	Savings vary by install configuration	Site-specific
Unitary CAC (Air): All equipment sizes (three phase): Single Package - CEE Tier 2 - ID	CEE Tier 2, High Efficiency Air Conditioner Air Cooled, All equipment sizes, single package	05/14/2016	RMP Calculation	Savings vary by install configuration	Site-specific
Unitary CAC (Air): All equipment sizes (three phase): Split System - CEE Tier 1 - ID	CEE Tier 1, High Efficiency Air Conditioner Air Cooled, All equipment sizes, split system	05/14/2016	RMP Calculation	Savings vary by install configuration	Site-specific
Unitary CAC (Air): All equipment sizes (three phase): Split System - CEE Tier 2 - ID	CEE Tier 2, High Efficiency Air Conditioner Air Cooled, All equipment sizes, split system	05/14/2016	RMP Calculation	Savings vary by install configuration	Site-specific
Cooling:Unitary Commercial Air Conditioners, Water and	**Non-Residential**				
Unitary CAC (Water): All equipment sizes: Single Package - CEE Tier 1 - ID	High Efficiency Air Conditioner Water and Evaporatively Cooled, Single Package	05/14/2016	RMP Calculation	Savings vary by install configuration	Site-specific
Unitary CAC (Water): All equipment sizes: Split System - CEE Tier 1 - ID	High Efficiency Air Conditioner Water and Evaporatively Cooled, Split System	05/14/2016	RMP Calculation	Savings vary by install configuration	Site-specific
Custom:Chiller	**Non-Residential**				
Chiller (New Construction wCode) Custom - ID	Custom engineering for industrial and large commercial	01/01/2017	RMP Calculation	Savings vary by install configuration	Site-specific
Chiller (Retrofit & NCMR woCode) Custom - ID	Custom engineering for industrial and large commercial	01/01/2017	RMP Calculation	Savings vary by install	Site-specific

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		Effective Date	Energy Savings Calculation method	Gross incremental annual electric savings (kWh/yr)	Savings unit
Program : wattsmart Business					
				configuration	
Custom:CO2 Air Controls	**Non-Residential**				
CO2 Air Controls (New Construction wCode) Custom - ID	Custom engineering for industrial and large commercial	01/01/2017	RMP Calculation	Savings vary by install configuration	Site-specific
CO2 Air Controls (Retrofit & NCMR woCode) Custom - ID	Custom engineering for industrial and large commercial	01/01/2017	RMP Calculation	Savings vary by install configuration	Site-specific
Custom:Cooling Tower - VFD Fan	**Non-Residential**				
Cooling Tower - VFD Fan (New Construction wCode) Custom - ID	Custom engineering for industrial and large commercial	01/01/2017	RMP Calculation	Savings vary by install configuration	Site-specific
Cooling Tower - VFD Fan (Retrofit & NCMR woCode) Custom - ID	Custom engineering for industrial and large commercial	01/01/2017	RMP Calculation	Savings vary by install configuration	Site-specific
Custom:DDC	**Non-Residential**				
DDC (New Construction wCode) Custom - ID	Custom engineering for industrial and large commercial	01/01/2017	RMP Calculation	Savings vary by install configuration	Site-specific
DDC (Retrofit & NCMR woCode) Custom - ID	Custom engineering for industrial and large commercial	01/01/2017	RMP Calculation	Savings vary by install configuration	Site-specific
Custom:Economizer	**Non-Residential**				
Economizer (New Construction wCode) Custom - ID	Custom engineering for industrial and large commercial	01/01/2017	RMP Calculation	Savings vary by install configuration	Site-specific
Economizer (Retrofit & NCMR woCode) Custom - ID	Custom engineering for industrial and large commercial	01/01/2017	RMP Calculation	Savings vary by install configuration	Site-specific
Custom:Evaporative Cooler	**Non-Residential**				
Evaporative Cooler (New Construction wCode) Custom - ID	Custom engineering for industrial and large commercial	01/01/2017	RMP Calculation	Savings vary by install configuration	Site-specific
Evaporative Cooler (Retrofit & NCMR woCode) Custom - ID	Custom engineering for industrial and large commercial	01/01/2017	RMP Calculation	Savings vary by install configuration	Site-specific
Custom:Fan Controls	**Non-Residential**				
Fan Controls (New Construction wCode) Custom - ID	Custom engineering for industrial and large commercial	01/01/2017	RMP Calculation	Savings vary by install configuration	Site-specific
Fan Controls (Retrofit & NCMR woCode) Custom - ID	Custom engineering for industrial and large commercial	01/01/2017	RMP Calculation	Savings vary by install configuration	Site-specific
Custom:Fan-Powered VAV	**Non-Residential**				
Fan-Powered VAV (New Construction wCode) Custom - ID	Custom engineering for industrial and large commercial	01/01/2017	RMP Calculation	Savings vary by install configuration	Site-specific
Fan-Powered VAV (Retrofit & NCMR woCode) Custom - ID	Custom engineering for industrial and large commercial	01/01/2017	RMP Calculation	Savings vary by install configuration	Site-specific
Custom:Garage CO Fan Conts	**Non-Residential**				
Garage CO Fan Conts (New Construction wCode) Custom - ID	Custom engineering for industrial and large commercial	01/01/2017	RMP Calculation	Savings vary by install configuration	Site-specific
Garage CO Fan Conts (Retrofit & NCMR woCode) Custom - ID	Custom engineering for industrial and large commercial	01/01/2017	RMP Calculation	Savings vary by install	Site-specific

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		Effective Date	Energy Savings Calculation method	Gross incremental annual electric savings (kWh/yr)	Savings unit
Program : wattsmart Business					
				configuration	
Custom:Groundwater-Source Heat Pumps	**Non-Residential**				
Groundwater-Source Heat Pumps (New Construction wCode) Custom - ID	Custom engineering for industrial and large commercial	01/01/2017	RMP Calculation	Savings vary by install configuration	Site-specific
Groundwater-Source Heat Pumps (Retrofit & NCMR woCode) Custom - ID	Custom engineering for industrial and large commercial	01/01/2017	RMP Calculation	Savings vary by install configuration	Site-specific
Custom:Heat Pump	**Non-Residential**				
Heat Pump (New Construction wCode) Custom - ID	Custom engineering for industrial and large commercial	01/01/2017	RMP Calculation	Savings vary by install configuration	Site-specific
Heat Pump (Retrofit & NCMR woCode) Custom - ID	Custom engineering for industrial and large commercial	01/01/2017	RMP Calculation	Savings vary by install configuration	Site-specific
Custom:Heat Recovery	**Non-Residential**				
Heat Recovery (New Construction wCode) Custom - ID	Custom engineering for industrial and large commercial	01/01/2017	RMP Calculation	Savings vary by install configuration	Site-specific
Heat Recovery (Retrofit & NCMR woCode) Custom - ID	Custom engineering for industrial and large commercial	01/01/2017	RMP Calculation	Savings vary by install configuration	Site-specific
Custom:High-Effic. Air Cond.	**Non-Residential**				
High-Effic. Air Cond. (New Construction wCode) Custom - ID	Custom engineering for industrial and large commercial	01/01/2017	RMP Calculation	Savings vary by install configuration	Site-specific
High-Effic. Air Cond. (Retrofit & NCMR woCode) Custom - ID	Custom engineering for industrial and large commercial	01/01/2017	RMP Calculation	Savings vary by install configuration	Site-specific
Custom:Other HVAC	**Non-Residential**				
Other HVAC (New Construction wCode) Custom - ID	Custom engineering for industrial and large commercial	01/01/2017	RMP Calculation	Savings vary by install configuration	Site-specific
Other HVAC (Retrofit & NCMR woCode) Custom - ID	Custom engineering for industrial and large commercial	01/01/2017	RMP Calculation	Savings vary by install configuration	Site-specific
Custom:Package HVAC	**Non-Residential**				
Package HVAC (New Construction wCode) Custom - ID	Custom engineering for industrial and large commercial	01/01/2017	RMP Calculation	Savings vary by install configuration	Site-specific
Package HVAC (Retrofit & NCMR woCode) Custom - ID	Custom engineering for industrial and large commercial	01/01/2017	RMP Calculation	Savings vary by install configuration	Site-specific
Custom:Premium RTU	**Non-Residential**				
Premium RTU (New Construction wCode) Custom - ID	Custom engineering for industrial and large commercial	01/01/2017	RMP Calculation	Savings vary by install configuration	Site-specific
Premium RTU (Retrofit & NCMR woCode) Custom - ID	Custom engineering for industrial and large commercial	01/01/2017	RMP Calculation	Savings vary by install configuration	Site-specific
Custom:VAV	**Non-Residential**				
VAV (New Construction wCode) Custom - ID	Custom engineering for industrial and large commercial	01/01/2017	RMP Calculation	Savings vary by install configuration	Site-specific
VAV (Retrofit & NCMR woCode) Custom - ID	Custom engineering for industrial and large commercial	01/01/2017	RMP Calculation	Savings vary by install	Site-specific

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		Effective Date	Energy Savings Calculation method	Gross incremental annual electric savings (kWh/yr)	Savings unit
Program : wattsmart Business					
				configuration	
Custom:VFD Fan	**Non-Residential**				
VFD Fan (New Construction wCode) Custom - ID	Custom engineering for industrial and large commercial	01/01/2017	RMP Calculation	Savings vary by install configuration	Site-specific
VFD Fan (Retrofit & NCMR woCode) Custom - ID	Custom engineering for industrial and large commercial	01/01/2017	RMP Calculation	Savings vary by install configuration	Site-specific
Custom:VFD Pump	**Non-Residential**				
VFD Pump (New Construction wCode) Custom - ID	Custom engineering for industrial and large commercial	01/01/2017	RMP Calculation	Savings vary by install configuration	Site-specific
VFD Pump (Retrofit & NCMR woCode) Custom - ID	Custom engineering for industrial and large commercial	01/01/2017	RMP Calculation	Savings vary by install configuration	Site-specific
Custom:Water-Loop Heat Pump	**Non-Residential**				
Water-Loop Heat Pump (New Construction wCode) Custom - ID	Custom engineering for industrial and large commercial	01/01/2017	RMP Calculation	Savings vary by install configuration	Site-specific
Water-Loop Heat Pump (Retrofit & NCMR woCode) Custom - ID	Custom engineering for industrial and large commercial	01/01/2017	RMP Calculation	Savings vary by install configuration	Site-specific
Heat Pump:Heat Pump - Ground Source	**Non-Residential**				
HP - Ground (Heating & Cooling Mode): Closed Loop - ID	Ground Source Heat Pump Loop (closed loop)	05/14/2016	RMP Deemed	519	Ton
HP - Ground (Heating & Cooling Mode): Heat Pump, Ground Source - ID	High Efficiency heat pumps (Ground source or groundwater)	05/14/2016	RMP Calculation	Savings vary by install configuration	Site-specific
HP - Ground (Heating & Cooling Mode): Open Loop - ID	Groundwater Source Heat Pump Loop (open loop)	05/14/2016	RMP Deemed	637	Ton
Heat Pump:Heat Pump - Packaged Terminal	**Non-Residential**				
PTHP (Heating & Cooling Mode): <= 8,000 Btu/hr: Single package - ID	High Efficiency package terminal heat pumps <= 8,000 Btu/hr,Single package	05/14/2016	RMP Deemed	298	Ton
PTHP (Heating & Cooling Mode): > 13,500 Btu/hr: Single package - ID	High Efficiency package terminal heat pumps > 13,500 Btu/hr,Single package	05/14/2016	RMP Deemed	325	Ton
PTHP (Heating & Cooling Mode): > 8,000 Btu/hr and < 10,500 Btu/hr: Single package - ID	High Efficiency package terminal heat pumps > 8,000 Btu/hr and < 10,500 Btu/hr,Single package	05/14/2016	RMP Deemed	293	Ton
PTHP (Heating & Cooling Mode): >= 10,500 Btu/hr and <= 13,500 Btu/hr: Single package - ID	High Efficiency package terminal heat pumps >= 10,500 Btu/hr and <= 13,500 Btu/hr,Single package	05/14/2016	RMP Deemed	159	Ton
Heat Pump:Heat Pumps - Air-Cooled - Cooling Mode	**Non-Residential**				
HP - Air (Heating & Cooling Mode): < 65, 000 Btu/hr (single phase): Single Package - CEE Tier 2 - ID	CEE Tier 2, High Efficiency Single Package heat pump air cooled < 65, 000 Btu/hr, single phase	05/14/2016	RMP Calculation	Savings vary by install configuration	Site-specific
HP - Air (Heating & Cooling Mode): < 65, 000 Btu/hr (single phase): Split System - CEE Tier 2 - ID	CEE Tier 2, High Efficiency Split System heat pump air cooled < 65, 000 Btu/hr, single phase	05/14/2016	RMP Calculation	Savings vary by install configuration	Site-specific
HP - Air (Heating & Cooling Mode): < 65, 000 Btu/hr (three phase): Single Package - CEE Tier 1 - ID	CEE Tier 1, High Efficiency Single Package heat pump air cooled < 65, 000 Btu/hr, three phase	05/14/2016	RMP Calculation	Savings vary by install configuration	Site-specific
HP - Air (Heating & Cooling Mode): < 65, 000 Btu/hr (three phase): Split System - CEE Tier 1 - ID	CEE Tier 1, High Efficiency Split System heat pump air cooled < 65, 000 Btu/hr, three phase	05/14/2016	RMP Calculation	Savings vary by install configuration	Site-specific
Heat Pump:Heat Pumps - Air-Cooled - Heating Mode	**Non-Residential**				

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		Effective Date	Energy Savings Calculation method	Gross incremental annual electric savings (kWh/yr)	Savings unit
Program : wattsmart Business					
HP - Air (Heating & Cooling Mode): < 65, 000 Btu/hr (single phase): Single Package - CEE Tier 2 - ID	CEE Tier 2, High Efficiency Single Package heat pump air cooled < 65, 000 Btu/hr, single phase	05/14/2016	RMP Calculation	Savings vary by install configuration	Site-specific
HP - Air (Heating & Cooling Mode): < 65, 000 Btu/hr (single phase): Split System - CEE Tier 2 - ID	CEE Tier 2, High Efficiency Split System heat pump air cooled < 65, 000 Btu/hr, single phase	05/14/2016	RMP Calculation	Savings vary by install configuration	Site-specific
HP - Air (Heating & Cooling Mode): < 65, 000 Btu/hr (three phase): Single Package - CEE Tier 2 - ID	CEE Tier 2, High Efficiency Single Package heat pump air cooled < 65, 000 Btu/hr, three phase	05/14/2016	RMP Calculation	Savings vary by install configuration	Site-specific
HP - Air (Heating & Cooling Mode): < 65, 000 Btu/hr (three phase): Split System - CEE Tier 2 - ID	CEE Tier 2, High Efficiency Split System heat pump air cooled < 65, 000 Btu/hr, three phase	05/14/2016	RMP Calculation	Savings vary by install configuration	Site-specific
HP - Air (Heating & Cooling Mode): >= 65,000 Btu/hr (three phase): Single Package - 17°F db/15°F wb outdoor air - CEE Tier 1 - ID	CEE Tier 1, High Efficiency Single Package heat pump air cooled >= 65,000 Btu/hr and : 17°F db/15°F wb outdoor air three phase	05/14/2016	RMP Calculation	Savings vary by install configuration	Site-specific
HP - Air (Heating & Cooling Mode): >= 65,000 Btu/hr (three phase): Single Package - 47°F db/43°F wb outdoor air - CEE Tier 1 - ID	CEE Tier 1, High Efficiency Single Package heat pump air cooled >= 65,000 Btu/hr and : 47F db/15F wb outdoor air three phase	05/14/2016	RMP Calculation	Savings vary by install configuration	Site-specific
HP - Air (Heating & Cooling Mode): >= 65,000 Btu/hr (three phase): Split System - 17°F db/15°F wb outdoor air - CEE Tier 1 - ID	CEE Tier 1, High Efficiency Split System heat pump air cooled >= 65,000 Btu/hr and : 17°F db/15°F wb outdoor air three phase	05/14/2016	RMP Calculation	Savings vary by install configuration	Site-specific
HP - Air (Heating & Cooling Mode): >= 65,000 Btu/hr (three phase): Split System - 47°F db/43°F wb outdoor air - CEE Tier 1 - ID	CEE Tier 1, High Efficiency Split System heat pump air cooled >= 65,000 Btu/hr and : 47F db/15F wb outdoor air three phase	05/14/2016	RMP Calculation	Savings vary by install configuration	Site-specific
Heat Pump:Heat Pumps - VRF Air-Cooled	**Non-Residential**				
VRF Air-Cooled Heat Pump (Heating & Cooling Mode): CEE Tier 1 - ID	CEE Tier 1, High Efficiency variable refrigerant flow heat pump air cooled	05/14/2016	RMP Calculation	Savings vary by install configuration	Site-specific
Heat Pump:Heat Pumps - VRF Water-Cooled	**Non-Residential**				
VRF Water-Cooled Heat Pump (Heating & Cooling Mode): < 135,000 Btu/hr - CEE Tier 1 - ID	CEE Tier 1, High Efficiency variable refrigerant flow heat pump water cooled	05/14/2016	RMP Calculation	Savings vary by install configuration	Site-specific
Heat Pump:Heat Pumps - Water-Source	**Non-Residential**				
HP - Water (Heating and Cooling Mode): < 135,000 Btu/hr: CEE Tier 1 - ID	CEE Tier 1 High Efficiency water source heat pumps	05/14/2016	RMP Calculation	Savings vary by install configuration	Site-specific
HP - Water (Heating Mode): < 135,000 Btu/hr: CEE Tier 1 - ID	CEE Tier 1 High Efficiency water source heat pumps	05/14/2016	RMP Calculation	Savings vary by install configuration	Site-specific
Motors:Variable-Frequency Drives (HVAC fans and pumps)	**Non-Residential**				
Variable-Frequency Drives (HVAC fans and pumps): <= 100 horsepower: HVAC fans - ID	Variable Frequency Drive controlling an HVAC applied fan	05/14/2016	RMP Deemed	1,184	Hp
Variable-Frequency Drives (HVAC fans and pumps): <= 100 horsepower: HVAC pumps - ID	Variable Frequency Drive controlling an HVAC applied pump	05/14/2016	RMP Deemed	919	Hp
Measure Category : Irrigation					
Custom:Pivots and Linear Systems	**Non-Residential**				
Center Pivot Replacing Set Move System (Retrofit) - ID	New center pivot replacing previous (non-pivot) system	01/01/2017	RMP Calculation	Savings vary by install configuration	Site-specific

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Program : wattsmart Business					
Sprinkler Package Replacement (Retrofit) - ID	Replace sprinkler package on pivot or linear	01/01/2017	RMP Calculation	Savings vary by install configuration	Site-specific
Custom:Pump Upgrades	**Non-Residential**				
Pump Replacement / Rebuild (Retrofit) - ID	Replace or rebuild irrigation pump	01/01/2017	RMP Calculation	Savings vary by install configuration	Site-specific
Pump Upgrades (New Construction wCode) Custom - ID	Custom engineering for industrial and large commercial	01/01/2017	RMP Calculation	Savings vary by install configuration	Site-specific
Pump Upgrades (Retrofit & NCMR woCode) Custom - ID	Custom engineering for industrial and large commercial	01/01/2017	RMP Calculation	Savings vary by install configuration	Site-specific
Custom:System Redesign	**Non-Residential**				
System Redesign (New Construction wCode) Custom - ID	Custom engineering for industrial and large commercial	01/01/2017	RMP Calculation	Savings vary by install configuration	Site-specific
System Redesign (Retrofit & NCMR woCode) Custom - ID	Custom engineering for industrial and large commercial	01/01/2017	RMP Calculation	Savings vary by install configuration	Site-specific
System Redesign (Retrofit) - ID	Redesign irrigation system, including distribution equipment	01/01/2017	RMP Calculation	Savings vary by install configuration	Site-specific
Custom:Variable Frequency Drives	**Non-Residential**				
Irrigation Pump VFD - ID	Add VFD to irrigation pump	01/01/2017	RMP Calculation	Savings vary by install configuration	Site-specific
Custom:Wheel Line/Hand Line Equipment	**Non-Residential**				
Upgrade Wheel Line / Hand Line Equipment (Retrofit) - ID	Replace wheel lines, handlines, and/or components thereof	01/01/2017	RMP Calculation	Savings vary by install configuration	Site-specific
Water Distribution Equipment:Center Pivot Equipment	**Non-Residential**				
Sprinkler Pressure Regulator Package (Custom) - ID	New pivot or linear pressure regulators replacing worn pressure regulators.	11/13/2014	RMP Calculation	Savings vary by install configuration	Site-specific
Measure Category : Lighting					
Controls:Advanced Daylighting Control	**Non-Residential**				
Advanced Daylighting Control - Retrofit - ID	Must incorporate both an occupancy sensor and daylighting sensor operating as part of the same control sequence in the same space.	05/14/2016	RMP Calculation	Savings vary by install configuration	Site-specific
Controls:Custom	**Non-Residential**				
General Illumination Lighting Control - Retrofit - Custom - ID	Custom General Illumination Lighting Control, control not listed in tariff incentive tables	05/14/2016	RMP Calculation	Savings vary by install configuration	Site-specific
Controls:Daylighting Control	**Non-Residential**				
Daylighing Control - Retrofit - ID	Must control interior fixtures with driver or qualifying ballast that dims 50% or more of the fixture in response to daylight.	05/14/2016	RMP Calculation	Savings vary by install configuration	Site-specific
Controls:Exterior Dimming Control	**Non-Residential**				

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		Effective Date	Energy Savings Calculation method	Gross incremental annual electric savings (kWh/yr)	Savings unit
Program : wattsmart Business					
Exterior Dimming Control - New Construction/Major Renovation - ID	Must control LED tech in an ext light application. Control must be integral to LED fixture or fixture-mounted and reduce fixture power by 75% or more for a min of 6 hrs per night or when the space has been unoccupied for 15 min or less.	05/14/2016	RMP Deemed	342	Measure
Controls:Occupancy Control	**Non-Residential**				
Occupancy Control - Retrofit - Integral - ID	Integral Occupancy Sensor, integrated into lighting fixture	05/14/2016	RMP Calculation	Savings vary by install configuration	Site-specific
Occupancy Control - Retrofit - PIR and Dual Tech - ID	PIR, Dual Tech	05/14/2016	RMP Calculation	Savings vary by install configuration	Site-specific
Exterior Lighting:CFL	**Non-Residential**				
CFL Wall Pack - New Construction/Major Renovation - ID	New construction /major renovation exterior LED Wall pack	05/14/2016	RMP Deemed	548	Measure
Exterior Lighting:Custom	**Non-Residential**				
Exterior General Illuminance Lighting - New Construction/Major Renovation - Custom - ID	Custom General Illumination Lighting, exterior fixture or lamp not listed in tariff incentive tables	05/14/2016	RMP Calculation	Savings vary by install configuration	Site-specific
Exterior Lighting:Induction Fixture	**Non-Residential**				
Induction Fixture - New Construction/Major Renovation - ID	New construction/major renovation exterior induction fixture	05/14/2016	RMP Deemed	657	Measure
Exterior Lighting:LED	**Non-Residential**				
LED Canopy/Soffit Fixture - New Construction/Major Renovation - ID	New construction/major renovation exterior LED Canopy/Soffit fixture	05/14/2016	RMP Deemed	460	Measure
LED Flood Light Fixture - < 100 W - New Construction/Major Renovation - ID	New construction/major renovation exterior LED Flood Light fixture, < 100 W	05/14/2016	RMP Deemed	679	Measure
LED Flood Light Fixture - >= 100 W - New Construction/Major Renovation - ID	New construction/major renovation exterior LED Flood Light fixture, >= 100 W	05/14/2016	RMP Deemed	1,183	Measure
LED Outdoor Pole/Roadway Decorative Fixture - < 75 W - New Construction/Major Renovation - ID	New construction/major renovation exterior LED Outdoor Pole/Roadway decorative fixture	05/14/2016	RMP Deemed	460	Measure
LED Outdoor Pole/Roadway Fixture - <= 200 W - New Construction/Major Renovation - ID	New construction/major renovation exterior LED Outdoor Area and Roadway fixture, <= 200 W	05/14/2016	RMP Deemed	1,095	Measure
LED Outdoor Pole/Roadway Fixture - > 200 W - New Construction/Major Renovation - ID	New construction/major renovation exterior LED Outdoor Area and Roadway fixture, > 200 W	05/14/2016	RMP Deemed	3,285	Measure
LED Wall Pack Fixture - < 50 W - New Construction/Major Renovation - ID	New construction/major renovation exterior LED Wall Pack fixture, < 50 W	05/14/2016	RMP Deemed	460	Measure
LED Wall Pack Fixture - >= 50 W - New Construction/Major Renovation - ID	New construction/major renovation exterior LED Wall Pack fixture, >= 50 W	05/14/2016	RMP Deemed	657	Measure
General Illuminance:Exterior Lighting	**Non-Residential**				
Exterior Lighting - Retrofit - ID	Lighting Retrofits Exterior - ID	01/01/2017	RMP Calculation	Savings vary by install configuration	Site-specific
Street/Pole - ID	null	05/14/2016	RMP Calculation	Savings vary by install configuration	Site-specific

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Program : wattsmart Business					
General Illuminance:InteriorLighting	**Non-Residential**				
Interior Lighting - Retrofit - ID	Lighting Retrofits Interior- ID	01/01/2017	RMP Calculation	Savings vary by install configuration	Site-specific
TLED Relamp - ID	Lamp wattage reduction of >= 10 Watts, No ballast or driver retrofit.	05/14/2016	RMP Calculation	Savings vary by install configuration	Site-specific
General Illuminance:LED	**Non-Residential**				
LED - Exterior Fixture - Wall Pack - Small Business Direct Install - ID	LED Fixture. Must be on the Qulified List	10/01/2016	null	Savings vary by Deemed Hours of Operation	Site-specific
LED - Exterior Fixture - Area Flood - Small Business Direct Install - ID	LED Fixture. Must be on the Qulified List	10/01/2016	null	Savings vary by Deemed Hours of Operation	Site-specific
LED - Exterior Fixture - Entryway Wall Pack - Small Business Direct Install - ID	LED Fixture. Must be on the Qulified List	10/01/2016	null	Savings vary by Deemed Hours of Operation	Site-specific
LED Fixture - Retrofit - High and Low Bay - Small Business Direct Install - ID	High and Low Bay LED Fixture, High and Low Bay	10/01/2016	null	Savings vary by Deemed Hours of Operation	Site-specific
LED Fixture - Retrofit - Troffer Kit - 4 Lamp 48" Prismatic - Small Business Direct Install - ID	LED Fixture. Must be on the Qulified List	10/01/2016	null	Savings vary by Deemed Hours of Operation	Site-specific
LED Fixture - Retrofit for HO and VHO Fixture Kit - Small Business Direct Install - ID	Energy E fficient Light Emitting Diode Lamps-General Purpose	10/01/2016	null	Savings vary by Deemed Hours of Operation	Site-specific
LED Tubular - Retrofit - Small Business Direct Install - ID	Energy efficient Light Emitting Diode Lamps-General Purpose	10/01/2016	null	Savings vary by Deemed Hours of Operation	Site-specific
General Illuminance:Non-eligible fixture	**Non-Residential**				
Non-eligible fixture - Retrofit - ID	Any installed fixture not eligible for incentives, but that contributes to reported project savings.	05/14/2016	RMP Calculation	Savings vary by install configuration	Site-specific
General Service Lamps:LED	**Non-Residential**				
LED General Purpose - Small Business Direct Install - ID	Energy efficient Light Emitting Diode Lamps-General Purpose	10/01/2016	null	Savings vary by Deemed Hours of Operation	Site-specific
LED Pin Based - Small Business Direct Install - ID	Energy efficient Light Emitting Diode Lamps-Pin based Horizontal Mount	10/01/2016	null	Savings vary by Deemed Hours of Operation	Site-specific
Interior Lighting:Custom	**Non-Residential**				
Interior Lighting - New Construction/Major Renovation - Custom - ID	Custom Lighting, interior lighting not subject to energy code.	05/14/2016	RMP Calculation	Savings vary by install configuration	Site-specific
Lighting:Interior Lighting	**Non-Residential**				
Interior Lighting and Lighting Control - NCMR - ID	Offers prescriptive and/or custom incentives for qualifying lighting equipment	05/14/2016	RMP Calculation	Savings vary by install configuration	Site-specific
Lighting:Package Lighting	**Non-Residential**				
Package Lighting NCMR - ID	Offers prescriptive and/or custom incentives for qualifying lighting equipment	11/13/2014	RMP Calculation	Savings vary by install configuration	Site-specific
Package Lighting Retrofit - ID	Offers prescriptive and/or custom incentives for qualifying lighting equipment	11/13/2014	RMP Calculation	Savings vary by install configuration	Site-specific
Non-General Illuminance:Custom	**Non-Residential**				
Non General Illuminance Lighting - Retrofit - Custom - ID	Custom Non-General Illumination Lighting, fixture or	05/14/2016	RMP Calculation	Savings vary by install	Site-specific

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		Effective Date	Energy Savings Calculation method	Gross incremental annual electric savings (kWh/yr)	Savings unit
Program : wattsmart Business					
	lamp not listed in tariff incentive tables			configuration	
Non-General Illuminance:Exterior Lighting Control	**Non-Residential**				
Exterior Dimming Control - Retrofit - ID	Must control LED tech in an ext lighting application. Control must be integral to LED fixture or fix-mounted and reduce fix power by 75% or more for a min of 6 hrs per night or when the space has been unoccupied for 15 min or less.	05/14/2016	RMP Calculation	Savings vary by install configuration	Site-specific
Non-General Illuminance:LED	**Non-Residential**				
LED Channel Letter Sign - Retrofit - ID	LED replacing existing neon or fluorescent lamps in a channel letter sign	05/14/2016	RMP Deemed	17	Linear ft.
LED Exit Sign - Retrofit - ID	LED or photoluminecent exit sign replacing incandescent of fluorescent exit sign	05/14/2016	RMP Calculation	Savings vary by install configuration	Site-specific
LED Marquee/Cabinet Sign - Retrofit - ID	LED replacing existing fluorescent lighting in a marquee or cabinet sign	05/14/2016	RMP Deemed	21	Linear ft.
LED Message Center Sign - Retrofit - ID	LED replacing existing incandescent lamps in a message center sign	05/14/2016	RMP Deemed	47	Measure
Non-General Illuminance:Refrigerated Case Lighting	**Non-Residential**				
LED Case Lighting Open Case(Retrofit Only) - ID	LED replacing fluorescent lamp in refrigerated cases. LED must be listed on qualified equipment list.	05/14/2016	RMP Deemed	48	Linear ft.
LED Case Lighting Reach-in Case (Retrofit Only) - ID	LED replacing fluorescent lamp in refrigerated cases. LED must be listed on qualified equipment list.	05/14/2016	RMP Deemed	62	Linear ft.
Refrigerated Case Occupancy Sensor (Retrofit Only) - ID	Installed in existing refrigerated case with LED lighting.	05/14/2016	RMP Deemed	18.8	Linear ft.
Specialty Lamps:LED	**Non-Residential**				
LED PAR - Small Business Direct Install - ID	Energy efficient Light Emitting Diode Lamps-Specialty	10/01/2016	null	Savings vary by Deemed Hours of Operation	Site-specific
LED Pin-based - Reflector Lamp - Small Buiness Direct Install - ID	Energy efficient Light Emitting Diode Lamps-Specialty	10/01/2016	null	Savings vary by Deemed Hours of Operation	Site-specific
LED Specialty - Candelabra - Small Business Direct Install - ID	Energy efficient Light Emitting Diode Lamps-Specialty	10/01/2016	null	Savings vary by Deemed Hours of Operation	Site-specific
LED Specialty - MR 16 - Small Business Direct Install - ID	Energy efficient Light Emitting Diode Lamps-Specialty	10/01/2016	null	Savings vary by Deemed Hours of Operation	Site-specific
Measure Category : Motors					
Custom:Electronically Commutated Motor	**Non-Residential**				
Electronically Commutated Motor (New Construction wCode) Custom - ID	Custom engineering for industrial and large commercial	01/01/2017	RMP Calculation	Savings vary by install configuration	Site-specific
Electronically Commutated Motor (Retrofit & NCMR woCode) Custom - ID	Custom engineering for industrial and large commercial	01/01/2017	RMP Calculation	Savings vary by install configuration	Site-specific
Custom:Other Motors	**Non-Residential**				
Other Motors (New Construction wCode) Custom - ID	Custom engineering for industrial and large commercial	01/01/2017	RMP Calculation	Savings vary by install	Site-specific

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		Effective Date	Energy Savings Calculation method	Gross incremental annual electric savings (kWh/yr)	Savings unit
Program : wattsmart Business					
				configuration	
Other Motors (Retrofit & NCMR woCode) Custom - ID	Custom engineering for industrial and large commercial	01/01/2017	RMP Calculation	Savings vary by install configuration	Site-specific
Custom:Pump Motors	**Non-Residential**				
Pump Motors (New Construction wCode) Custom - ID	Custom engineering for industrial and large commercial	01/01/2017	RMP Calculation	Savings vary by install configuration	Site-specific
Pump Motors (Retrofit & NCMR woCode) Custom - ID	Custom engineering for industrial and large commercial	01/01/2017	RMP Calculation	Savings vary by install configuration	Site-specific
Custom:Pump with VFD	**Non-Residential**				
Pump with VFD (New Construction wCode) Custom - ID	Custom engineering for industrial and large commercial	01/01/2017	RMP Calculation	Savings vary by install configuration	Site-specific
Pump with VFD (Retrofit & NCMR woCode) Custom - ID	Custom engineering for industrial and large commercial	01/01/2017	RMP Calculation	Savings vary by install configuration	Site-specific
Custom:VFD Motors	**Non-Residential**				
VFD Motors (New Construction wCode) Custom - ID	Custom engineering for industrial and large commercial	01/01/2017	RMP Calculation	Savings vary by install configuration	Site-specific
VFD Motors (Retrofit & NCMR woCode) Custom - ID	Custom engineering for industrial and large commercial	01/01/2017	RMP Calculation	Savings vary by install configuration	Site-specific
Custom:VSD	**Non-Residential**				
VSD (New Construction wCode) Custom - ID	Custom engineering for industrial and large commercial	01/01/2017	RMP Calculation	Savings vary by install configuration	Site-specific
VSD (Retrofit & NCMR woCode) Custom - ID	Custom engineering for industrial and large commercial	01/01/2017	RMP Calculation	Savings vary by install configuration	Site-specific
Electronically Commutated Motor:Electronically Commutated	**Non-Residential**				
Electronically Commutated Motor: <= 1 horsepower: Refrigeration application - ID	Electronically Commutated Motor (ECM) used in a refrigeration application	05/14/2016	RMP Deemed	9.3	Watt
Electronically Commutated Motor: <=1 horsepower: HVAC application - ID	Electronically Commutated Motor (ECM) used in an HVAC application	05/14/2016	RMP Deemed	2,895	Hp
Green Motor Rewinds:Green Motor Rewinds (Agriculture)	**Non-Residential**				
Green Motor Rewinds (Agriculture): 100 hp - ID	100 hp Green Motor Rewind for motor used in agriculture, returning motor to best possible efficiency using controlled rewind process	05/14/2016	RTF Deemed	1,040	Measure
Green Motor Rewinds (Agriculture): 1000 hp - ID	1000 hp Green Motor Rewind for motor used in agriculture, returning motor to best possible efficiency using controlled rewind process	05/14/2016	RTF Deemed	10,192	Measure
Green Motor Rewinds (Agriculture): 125 hp - ID	125 hp Green Motor Rewind for motor used in agriculture, returning motor to best possible efficiency using controlled rewind process	05/14/2016	RTF Deemed	1,157	Measure
Green Motor Rewinds (Agriculture): 1250 hp - ID	1250 hp Green Motor Rewind for motor used in agriculture, returning motor to best possible efficiency using controlled rewind process	05/14/2016	RTF Deemed	10,590	Measure

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Program : wattsmart Business					
Green Motor Rewinds (Agriculture): 15 hp - ID	15 hp Green Motor Rewind for motor used in agriculture, returning motor to best possible efficiency using controlled rewind process	05/14/2016	RTF Deemed	317	Measure
Green Motor Rewinds (Agriculture): 150 hp - ID	150 hpGreen Motor Rewind for motor used in agriculture, returning motor to best possible efficiency using controlled rewind process	05/14/2016	RTF Deemed	1,376	Measure
Green Motor Rewinds (Agriculture): 1500 hp - ID	1500 hp Green Motor Rewind for motor used in agriculture, returning motor to best possible efficiency using controlled rewind process	05/14/2016	RTF Deemed	12,681	Measure
Green Motor Rewinds (Agriculture): 1750 hp - ID	1750 hp Green Motor Rewind for motor used in agriculture, returning motor to best possible efficiency using controlled rewind process	05/14/2016	RTF Deemed	14,732	Measure
Green Motor Rewinds (Agriculture): 20 hp - ID	20 hp Green Motor Rewind for motor used in agriculture, returning motor to best possible efficiency using controlled rewind process	05/14/2016	RTF Deemed	425	Measure
Green Motor Rewinds (Agriculture): 200 hp - ID	200 hp Green Motor Rewind for motor used in agriculture, returning motor to best possible efficiency using controlled rewind process	05/14/2016	RTF Deemed	1,821	Measure
Green Motor Rewinds (Agriculture): 2000 hp - ID	2000 hp Green Motor Rewind for motor used in agriculture, returning motor to best possible efficiency using controlled rewind process	05/14/2016	RTF Deemed	16,766	Measure
Green Motor Rewinds (Agriculture): 2250 hp - ID	2250 hp Green Motor Rewind for motor used in agriculture, returning motor to best possible efficiency using controlled rewind process	05/14/2016	RTF Deemed	18,744	Measure
Green Motor Rewinds (Agriculture): 25 hp - ID	25 hpGreen Motor Rewind for motor used in agriculture, returning motor to best possible efficiency using controlled rewind process	05/14/2016	RTF Deemed	595	Measure
Green Motor Rewinds (Agriculture): 250 hp - ID	250 hp Green Motor Rewind for motor used in agriculture, returning motor to best possible efficiency using controlled rewind process	05/14/2016	RTF Deemed	2,823	Measure
Green Motor Rewinds (Agriculture): 2500 hp - ID	2500 hp Green Motor Rewind for motor used in agriculture, returning motor to best possible efficiency using controlled rewind process	05/14/2016	RTF Deemed	20,783	Measure
Green Motor Rewinds (Agriculture): 30 hp - ID	30 hp Green Motor Rewind for motor used in agriculture, returning motor to best possible efficiency using controlled rewind process	05/14/2016	RTF Deemed	640	Measure
Green Motor Rewinds (Agriculture): 300 hp - ID	300 hp Green Motor Rewind for motor used in agriculture, returning motor to best possible efficiency using controlled rewind process	05/14/2016	RTF Deemed	3,370	Measure
Green Motor Rewinds (Agriculture): 3000 hp - ID	3000 hp Green Motor Rewind for motor used in agriculture, returning motor to best possible efficiency using controlled rewind process	05/14/2016	RTF Deemed	24,784	Measure
Green Motor Rewinds (Agriculture): 350 hp - ID	350 hp Green Motor Rewind for motor used in agriculture, returning motor to best possible efficiency	05/14/2016	RTF Deemed	3,929	Measure

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Program : wattsmart Business					
	using controlled rewind process				
Green Motor Rewinds (Agriculture): 3500 hp - ID	3500 hp Green Motor Rewind for motor used in agriculture, returning motor to best possible efficiency using controlled rewind process	05/14/2016	RTF Deemed	28,854	Measure
Green Motor Rewinds (Agriculture): 40 hp - ID	40 hp Green Motor Rewind for motor used in agriculture, returning motor to best possible efficiency using controlled rewind process	05/14/2016	RTF Deemed	746	Measure
Green Motor Rewinds (Agriculture): 400 hp - ID	400 hp Green Motor Rewind for motor used in agriculture, returning motor to best possible efficiency using controlled rewind process	05/14/2016	RTF Deemed	4,456	Measure
Green Motor Rewinds (Agriculture): 4000 hp - ID	4000 hp Green Motor Rewind for motor used in agriculture, returning motor to best possible efficiency using controlled rewind process	05/14/2016	RTF Deemed	32,976	Measure
Green Motor Rewinds (Agriculture): 450 hp - ID	450 hp Green Motor Rewind for motor used in agriculture, returning motor to best possible efficiency using controlled rewind process	05/14/2016	RTF Deemed	5,003	Measure
Green Motor Rewinds (Agriculture): 4500 hp - ID	4500 hp Green Motor Rewind for motor used in agriculture, returning motor to best possible efficiency using controlled rewind process	05/14/2016	RTF Deemed	37,021	Measure
Green Motor Rewinds (Agriculture): 50 hp - ID	50 hp Green Motor Rewind for motor used in agriculture, returning motor to best possible efficiency using controlled rewind process	05/14/2016	RTF Deemed	802	Measure
Green Motor Rewinds (Agriculture): 500 hp - ID	500 hp Green Motor Rewind for motor used in agriculture, returning motor to best possible efficiency using controlled rewind process	05/14/2016	RTF Deemed	5,567	Measure
Green Motor Rewinds (Agriculture): 5000 hp - ID	5000 hp Green Motor Rewind for motor used in agriculture, returning motor to best possible efficiency using controlled rewind process	05/14/2016	RTF Deemed	41,049	Measure
Green Motor Rewinds (Agriculture): 60 hp - ID	60 hp Green Motor Rewind for motor used in agriculture, returning motor to best possible efficiency using controlled rewind process	05/14/2016	RTF Deemed	765	Measure
Green Motor Rewinds (Agriculture): 600 hp - ID	600 hp Green Motor Rewind for motor used in agriculture, returning motor to best possible efficiency using controlled rewind process	05/14/2016	RTF Deemed	6,193	Measure
Green Motor Rewinds (Agriculture): 700 hp - ID	700 hp Green Motor Rewind for motor used in agriculture, returning motor to best possible efficiency using controlled rewind process	05/14/2016	RTF Deemed	7,195	Measure
Green Motor Rewinds (Agriculture): 75 hp - ID	75 hp Green Motor Rewind for motor used in agriculture, returning motor to best possible efficiency using controlled rewind process	05/14/2016	RTF Deemed	788	Measure
Green Motor Rewinds (Agriculture): 800 hp - ID	800 hp Green Motor Rewind for motor used in agriculture, returning motor to best possible efficiency using controlled rewind process	05/14/2016	RTF Deemed	8,205	Measure

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		Effective Date	Energy Savings Calculation method	Gross incremental annual electric savings (kWh/yr)	Savings unit
Program : wattsmart Business					
Green Motor Rewinds (Agriculture): 900 hp - ID	900 hp Green Motor Rewind for motor used in agriculture, returning motor to best possible efficiency using controlled rewind process	05/14/2016	RTF Deemed	9,211	Measure
Green Motor Rewinds:Green Motor Rewinds (Industrial)	**Non-Residential**				
Green Motor Rewinds (Industrial): 100 hp - ID	100 hp Green Motor Rewind for motor used in an industrial application, returning motor to best possible efficiency using controlled rewind process	05/14/2016	RTF Deemed	2,005	Measure
Green Motor Rewinds (Industrial): 1000 hp - ID	1000 hp Green Motor Rewind for motor used in an industrial application, returning motor to best possible efficiency using controlled rewind process	05/14/2016	RTF Deemed	24,172	Measure
Green Motor Rewinds (Industrial): 125 hp - ID	125 hp Green Motor Rewind for motor used in an industrial application, returning motor to best possible efficiency using controlled rewind process	05/14/2016	RTF Deemed	2,598	Measure
Green Motor Rewinds (Industrial): 1250 hp - ID	1250 hp Green Motor Rewind for motor used in an industrial application, returning motor to best possible efficiency using controlled rewind process	05/14/2016	RTF Deemed	29,973	Measure
Green Motor Rewinds (Industrial): 15 hp - ID	15 hp Green Motor Rewind for motor used in an industrial application, returning motor to best possible efficiency using controlled rewind process	05/14/2016	RTF Deemed	601	Measure
Green Motor Rewinds (Industrial): 150 hp - ID	150 hp Green Motor Rewind for motor used in an industrial application, returning motor to best possible efficiency using controlled rewind process	05/14/2016	RTF Deemed	3,089	Measure
Green Motor Rewinds (Industrial): 1500 hp - ID	1500 hp Green Motor Rewind for motor used in an industrial application, returning motor to best possible efficiency using controlled rewind process	05/14/2016	RTF Deemed	35,891	Measure
Green Motor Rewinds (Industrial): 1750 hp - ID	1750 hp Green Motor Rewind for motor used in an industrial application, returning motor to best possible efficiency using controlled rewind process	05/14/2016	RTF Deemed	41,697	Measure
Green Motor Rewinds (Industrial): 20 hp - ID	20 hp Green Motor Rewind for motor used in an industrial application, returning motor to best possible efficiency using controlled rewind process	05/14/2016	RTF Deemed	804	Measure
Green Motor Rewinds (Industrial): 200 hp - ID	200 hp Green Motor Rewind for motor used in an industrial application, returning motor to best possible efficiency using controlled rewind process	05/14/2016	RTF Deemed	4,088	Measure
Green Motor Rewinds (Industrial): 2000 hp - ID	2000 hp Green Motor Rewind for motor used in an industrial application, returning motor to best possible efficiency using controlled rewind process	05/14/2016	RTF Deemed	47,454	Measure
Green Motor Rewinds (Industrial): 2250 hp - ID	2250 hp Green Motor Rewind for motor used in an industrial application, returning motor to best possible efficiency using controlled rewind process	05/14/2016	RTF Deemed	53,051	Measure
Green Motor Rewinds (Industrial): 25 hp - ID	25 hp Green Motor Rewind for motor used in an industrial application, returning motor to best possible efficiency using controlled rewind process	05/14/2016	RTF Deemed	1,052	Measure

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		Effective Date	Energy Savings Calculation method	Gross incremental annual electric savings (kWh/yr)	Savings unit
Program : wattsmart Business					
Green Motor Rewinds (Industrial): 250 hp - ID	250 hp Green Motor Rewind for motor used in an industrial application, returning motor to best possible efficiency using controlled rewind process	05/14/2016	RTF Deemed	4,972	Measure
Green Motor Rewinds (Industrial): 2500 hp - ID	2500 hp Green Motor Rewind for motor used in an industrial application, returning motor to best possible efficiency using controlled rewind process	05/14/2016	RTF Deemed	58,823	Measure
Green Motor Rewinds (Industrial): 30 hp - ID	30 hp Green Motor Rewind for motor used in an industrial application, returning motor to best possible efficiency using controlled rewind process	05/14/2016	RTF Deemed	1,133	Measure
Green Motor Rewinds (Industrial): 300 hp - ID	300 hp Green Motor Rewind for motor used in an industrial application, returning motor to best possible efficiency using controlled rewind process	05/14/2016	RTF Deemed	5,935	Measure
Green Motor Rewinds (Industrial): 3000 hp - ID	3000 hp Green Motor Rewind for motor used in an industrial application, returning motor to best possible efficiency using controlled rewind process	05/14/2016	RTF Deemed	70,147	Measure
Green Motor Rewinds (Industrial): 350 hp - ID	350 hp Green Motor Rewind for motor used in an industrial application, returning motor to best possible efficiency using controlled rewind process	05/14/2016	RTF Deemed	6,919	Measure
Green Motor Rewinds (Industrial): 3500 hp - ID	3500 hp Green Motor Rewind for motor used in an industrial application, returning motor to best possible efficiency using controlled rewind process	05/14/2016	RTF Deemed	81,667	Measure
Green Motor Rewinds (Industrial): 40 hp - ID	40 hp Green Motor Rewind for motor used in an industrial application, returning motor to best possible efficiency using controlled rewind process	05/14/2016	RTF Deemed	1,319	Measure
Green Motor Rewinds (Industrial): 400 hp - ID	400 hp Green Motor Rewind for motor used in an industrial application, returning motor to best possible efficiency using controlled rewind process	05/14/2016	RTF Deemed	7,848	Measure
Green Motor Rewinds (Industrial): 4000 hp - ID	4000 hp Green Motor Rewind for motor used in an industrial application, returning motor to best possible efficiency using controlled rewind process	05/14/2016	RTF Deemed	93,334	Measure
Green Motor Rewinds (Industrial): 450 hp - ID	450 hp Green Motor Rewind for motor used in an industrial application, returning motor to best possible efficiency using controlled rewind process	05/14/2016	RTF Deemed	8,811	Measure
Green Motor Rewinds (Industrial): 4500 hp - ID	4500 hp Green Motor Rewind for motor used in an industrial application, returning motor to best possible efficiency using controlled rewind process	05/14/2016	RTF Deemed	104,783	Measure
Green Motor Rewinds (Industrial): 50 hp - ID	50 hp Green Motor Rewind for motor used in an industrial application, returning motor to best possible efficiency using controlled rewind process	05/14/2016	RTF Deemed	1,418	Measure
Green Motor Rewinds (Industrial): 500 hp - ID	500 hp Green Motor Rewind for motor used in an industrial application, returning motor to best possible efficiency using controlled rewind process	05/14/2016	RTF Deemed	9,804	Measure
Green Motor Rewinds (Industrial): 5000 hp - ID	5000 hp Green Motor Rewind for motor used in an industrial application, returning motor to best possible	05/14/2016	RTF Deemed	116,183	Measure

		Effective Date	Energy Savings Calculation method	Gross incremental annual electric savings (kWh/yr)	Savings unit
Program : wattsmart Business					
	efficiency using controlled rewind process				
Green Motor Rewinds (Industrial): 60 hp - ID	60 hp Green Motor Rewind for motor used in an industrial application, returning motor to best possible efficiency using controlled rewind process	05/14/2016	RTF Deemed	1,476	Measure
Green Motor Rewinds (Industrial): 600 hp - ID	600 hp Green Motor Rewind for motor used in an industrial application, returning motor to best possible efficiency using controlled rewind process	05/14/2016	RTF Deemed	14,689	Measure
Green Motor Rewinds (Industrial): 700 hp - ID	700 hp Green Motor Rewind for motor used in an industrial application, returning motor to best possible efficiency using controlled rewind process	05/14/2016	RTF Deemed	17,065	Measure
Green Motor Rewinds (Industrial): 75 hp - ID	75 hp Green Motor Rewind for motor used in an industrial application, returning motor to best possible efficiency using controlled rewind process	05/14/2016	RTF Deemed	1,519	Measure
Green Motor Rewinds (Industrial): 800 hp - ID	800 hp Green Motor Rewind for motor used in an industrial application, returning motor to best possible efficiency using controlled rewind process	05/14/2016	RTF Deemed	19,461	Measure
Green Motor Rewinds (Industrial): 900 hp - ID	900 hp Green Motor Rewind for motor used in an industrial application, returning motor to best possible efficiency using controlled rewind process	05/14/2016	RTF Deemed	21,847	Measure
Measure Category : Refrigeration					
Controls:Adaptive Refrigeration Controller	**Non-Residential**				
Adaptive Refrigeration Controller (Retrofit) - ID	Replace conventional controls with adaptive controls and, in some instances, electric expansion valves.	11/13/2014	RMP Calculation	Savings vary by install configuration	Site-specific
Custom:2-Stage Ammonia	**Non-Residential**				
2-Stage Ammonia (New Construction wCode) Custom - ID	Custom engineering for industrial and large commercial	01/01/2017	RMP Calculation	Savings vary by install configuration	Site-specific
2-Stage Ammonia (Retrofit & NCMR woCode) Custom - ID	Custom engineering for industrial and large commercial	01/01/2017	RMP Calculation	Savings vary by install configuration	Site-specific
Custom:Box Insulation	**Non-Residential**				
Box Insulation (New Construction wCode) Custom - ID	Custom engineering for industrial and large commercial	01/01/2017	RMP Calculation	Savings vary by install configuration	Site-specific
Box Insulation (Retrofit & NCMR woCode) Custom - ID	Custom engineering for industrial and large commercial	01/01/2017	RMP Calculation	Savings vary by install configuration	Site-specific
Custom:Case/Point of Sale Lighting	**Non-Residential**				
Case/Point of Sale Lighting (New Construction wCode) Custom - ID	Custom engineering for industrial and large commercial	01/01/2017	RMP Calculation	Savings vary by install configuration	Site-specific
Case/Point of Sale Lighting (Retrofit & NCMR woCode) Custom - ID	Custom engineering for industrial and large commercial	01/01/2017	RMP Calculation	Savings vary by install configuration	Site-specific
Custom:CO2 Scrubber	**Non-Residential**				
CO2 Scrubber (New Construction wCode) Custom - ID	Custom engineering for industrial and large commercial	01/01/2017	RMP Calculation	Savings vary by install	Site-specific

Rocky Mountain Power Energy Efficiency Measures for Idaho

Measures Effective on 04/11/2017

		Effective Date	Energy Savings Calculation method	Gross incremental annual electric savings (kWh/yr)	Savings unit
Program : wattsmart Business					
				configuration	
CO2 Scrubber (Retrofit & NCMR woCode) Custom - ID	Custom engineering for industrial and large commercial	01/01/2017	RMP Calculation	Savings vary by install configuration	Site-specific
Custom:Compressor VFD	**Non-Residential**				
Compressor VFD (New Construction wCode) Custom - ID	Custom engineering for industrial and large commercial	01/01/2017	RMP Calculation	Savings vary by install configuration	Site-specific
Compressor VFD (Retrofit & NCMR woCode) Custom - ID	Custom engineering for industrial and large commercial	01/01/2017	RMP Calculation	Savings vary by install configuration	Site-specific
Custom:Condenser Fan VFDs	**Non-Residential**				
Condenser Fan VFDs (New Construction wCode) Custom - ID	Custom engineering for industrial and large commercial	01/01/2017	RMP Calculation	Savings vary by install configuration	Site-specific
Condenser Fan VFDs (Retrofit & NCMR woCode) Custom - ID	Custom engineering for industrial and large commercial	01/01/2017	RMP Calculation	Savings vary by install configuration	Site-specific
Custom:Condensing Press Cont	**Non-Residential**				
Condensing Press Cont (New Construction wCode) Custom - ID	Custom engineering for industrial and large commercial	01/01/2017	RMP Calculation	Savings vary by install configuration	Site-specific
Condensing Press Cont (Retrofit & NCMR woCode) Custom - ID	Custom engineering for industrial and large commercial	01/01/2017	RMP Calculation	Savings vary by install configuration	Site-specific
Custom:Controls Refrigeration	**Non-Residential**				
Controls Refrigeration (New Construction wCode) Custom - ID	Custom engineering for industrial and large commercial	01/01/2017	RMP Calculation	Savings vary by install configuration	Site-specific
Controls Refrigeration (Retrofit & NCMR woCode) Custom - ID	Custom engineering for industrial and large commercial	01/01/2017	RMP Calculation	Savings vary by install configuration	Site-specific
Custom:EE Evaporator Coils	**Non-Residential**				
EE Evaporator Coils (New Construction wCode) Custom - ID	Custom engineering for industrial and large commercial	01/01/2017	RMP Calculation	Savings vary by install configuration	Site-specific
EE Evaporator Coils (Retrofit & NCMR woCode) Custom - ID	Custom engineering for industrial and large commercial	01/01/2017	RMP Calculation	Savings vary by install configuration	Site-specific
Custom:Evap & AirCool Condense	**Non-Residential**				
Evap & AirCool Condense (New Construction wCode) Custom - ID	Custom engineering for industrial and large commercial	01/01/2017	RMP Calculation	Savings vary by install configuration	Site-specific
Evap & AirCool Condense (Retrofit & NCMR woCode) Custom - ID	Custom engineering for industrial and large commercial	01/01/2017	RMP Calculation	Savings vary by install configuration	Site-specific
Custom:Evaporator Fan VFD	**Non-Residential**				
Evaporator Fan VFD (New Construction wCode) Custom - ID	Custom engineering for industrial and large commercial	01/01/2017	RMP Calculation	Savings vary by install configuration	Site-specific
Evaporator Fan VFD (Retrofit & NCMR woCode) Custom - ID	Custom engineering for industrial and large commercial	01/01/2017	RMP Calculation	Savings vary by install configuration	Site-specific
Custom:Evaporator System	**Non-Residential**				
Evaporator System (New Construction wCode) Custom - ID	Custom engineering for industrial and large commercial	01/01/2017	RMP Calculation	Savings vary by install	Site-specific

Rocky Mountain Power Energy Efficiency Measures for Idaho

Measures Effective on 04/11/2017

		Effective Date	Energy Savings Calculation method	Gross incremental annual electric savings (kWh/yr)	Savings unit
Program : wattsmart Business					
				configuration	
Evaporator System (Retrofit & NCMR woCode) Custom - ID	Custom engineering for industrial and large commercial	01/01/2017	RMP Calculation	Savings vary by install configuration	Site-specific
Custom:Fan VFDs	**Non-Residential**				
Fan VFDs (New Construction wCode) Custom - ID	Custom engineering for industrial and large commercial	01/01/2017	RMP Calculation	Savings vary by install configuration	Site-specific
Fan VFDs (Retrofit & NCMR woCode) Custom - ID	Custom engineering for industrial and large commercial	01/01/2017	RMP Calculation	Savings vary by install configuration	Site-specific
Custom:Floating Head Press Cont	**Non-Residential**				
Floating Head Press Cont (New Construction wCode) Custom - ID	Custom engineering for industrial and large commercial	01/01/2017	RMP Calculation	Savings vary by install configuration	Site-specific
Floating Head Press Cont (Retrofit & NCMR woCode) Custom - ID	Custom engineering for industrial and large commercial	01/01/2017	RMP Calculation	Savings vary by install configuration	Site-specific
Custom:Floating Suction Control	**Non-Residential**				
Floating Suction Control (New Construction wCode) Custom - ID	Custom engineering for industrial and large commercial	01/01/2017	RMP Calculation	Savings vary by install configuration	Site-specific
Floating Suction Control (Retrofit & NCMR woCode) Custom - ID	Custom engineering for industrial and large commercial	01/01/2017	RMP Calculation	Savings vary by install configuration	Site-specific
Custom:HE Evaporative Fan	**Non-Residential**				
HE Evaporative Fan (New Construction wCode) Custom - ID	Custom engineering for industrial and large commercial	01/01/2017	RMP Calculation	Savings vary by install configuration	Site-specific
HE Evaporative Fan (Retrofit & NCMR woCode) Custom - ID	Custom engineering for industrial and large commercial	01/01/2017	RMP Calculation	Savings vary by install configuration	Site-specific
Custom:Heat Pump Desuper	**Non-Residential**				
Heat Pump Desuper (New Construction wCode) Custom - ID	Custom engineering for industrial and large commercial	01/01/2017	RMP Calculation	Savings vary by install configuration	Site-specific
Heat Pump Desuper (Retrofit & NCMR woCode) Custom - ID	Custom engineering for industrial and large commercial	01/01/2017	RMP Calculation	Savings vary by install configuration	Site-specific
Custom:High Speed Doors	**Non-Residential**				
High Speed Doors (New Construction wCode) Custom - ID	Custom engineering for industrial and large commercial	01/01/2017	RMP Calculation	Savings vary by install configuration	Site-specific
High Speed Doors (Retrofit & NCMR woCode) Custom - ID	Custom engineering for industrial and large commercial	01/01/2017	RMP Calculation	Savings vary by install configuration	Site-specific
Custom:High-Effic. Cases	**Non-Residential**				
High-Effic. Cases (New Construction wCode) Custom - ID	Custom engineering for industrial and large commercial	01/01/2017	RMP Calculation	Savings vary by install configuration	Site-specific
High-Effic. Cases (Retrofit & NCMR woCode) Custom - ID	Custom engineering for industrial and large commercial	01/01/2017	RMP Calculation	Savings vary by install configuration	Site-specific
Custom:Humidistat / Anti-Sweat	**Non-Residential**				
Humidistat / Anti-Sweat (New Construction wCode) Custom - ID	Custom engineering for industrial and large commercial	01/01/2017	RMP Calculation	Savings vary by install	Site-specific

Rocky Mountain Power Energy Efficiency Measures for Idaho

Measures Effective on 04/11/2017

		Effective Date	Energy Savings Calculation method	Gross incremental annual electric savings (kWh/yr)	Savings unit
Program : wattsmart Business					
				configuration	
Humidistat / Anti-Sweat (Retrofit & NCMR woCode) Custom - ID	Custom engineering for industrial and large commercial	01/01/2017	RMP Calculation	Savings vary by install configuration	Site-specific
Custom:Other Refrigeration	**Non-Residential**				
Other Refrigeration (New Construction wCode) Custom - ID	Custom engineering for industrial and large commercial	01/01/2017	RMP Calculation	Savings vary by install configuration	Site-specific
Other Refrigeration (Retrofit & NCMR woCode) Custom - ID	Custom engineering for industrial and large commercial	01/01/2017	RMP Calculation	Savings vary by install configuration	Site-specific
Custom:Package Refrigeration	**Non-Residential**				
Package Refrigeration (New Construction wCode) Custom - ID	Custom engineering for industrial and large commercial	01/01/2017	RMP Calculation	Savings vary by install configuration	Site-specific
Package Refrigeration (Retrofit & NCMR woCode) Custom - ID	Custom engineering for industrial and large commercial	01/01/2017	RMP Calculation	Savings vary by install configuration	Site-specific
Custom:Plate Cooler	**Non-Residential**				
Plate Cooler (New Construction wCode) Custom - ID	Custom engineering for industrial and large commercial	01/01/2017	RMP Calculation	Savings vary by install configuration	Site-specific
Plate Cooler (Retrofit & NCMR woCode) Custom - ID	Custom engineering for industrial and large commercial	01/01/2017	RMP Calculation	Savings vary by install configuration	Site-specific
Custom:Solid Door Refrigerator	**Non-Residential**				
Solid Door Refrigerator (New Construction wCode) Custom - ID	Custom engineering for industrial and large commercial	01/01/2017	RMP Calculation	Savings vary by install configuration	Site-specific
Solid Door Refrigerator (Retrofit & NCMR woCode) Custom - ID	Custom engineering for industrial and large commercial	01/01/2017	RMP Calculation	Savings vary by install configuration	Site-specific
Custom:Warm Gas Defrost	**Non-Residential**				
Warm Gas Defrost (New Construction wCode) Custom - ID	Custom engineering for industrial and large commercial	01/01/2017	RMP Calculation	Savings vary by install configuration	Site-specific
Warm Gas Defrost (Retrofit & NCMR woCode) Custom - ID	Custom engineering for industrial and large commercial	01/01/2017	RMP Calculation	Savings vary by install configuration	Site-specific
Fast Acting Door:Fast Acting Door	**Non-Residential**				
Fast Acting Door (Retrofit) - ID	Replace manually operated door, automatic door with long cycle time, strip curtain, or entryway with no door with fast acting door.	11/13/2014	RMP Calculation	Savings vary by install configuration	Site-specific
Measure Category : Wastewater					
Wastewater:Aeration	**Non-Residential**				
Extended Range Circulator (Retrofit) - ID	Address excess aeration with extended range circulator.	11/13/2014	RMP Calculation	Savings vary by install configuration	Site-specific

ROCKY MOUNTAIN POWER
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Appendix 7

Idaho Program Evaluation Recommendations and Responses

Idaho 2016 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 2016, and the third party evaluator who completed the evaluation. Program evaluations are available for review at www.pacificorp.com/es/dsm/idaho.html

Program	Years Evaluated	Evaluator
Home Energy Savings	2013-2014	Cadmus
*See ya later, Refrigerator	2013-2014	Cadmus

The third party evaluator's recommendations and Company's responses are provided in the tables below.

*Because the Company filed, and was granted permission, to cancel the program effective March 2016, the Company has not formulated responses to the evaluator's recommendations.

Table 1
Home Energy Savings Evaluation Recommendations

Evaluation Recommendations	Rocky Mountain Power Action Plan
Assign measure categories by end use (instead of delivery channel) to ensure the most appropriate cost-effectiveness results instead of delivery channel.	The Company implemented the Technical Resource Library which includes measure categorization. The program administrator now follows the same categorization.
When calculating clothes washer energy savings, use the federal standard baseline. Cadmus used the federal baseline, but the Company used the RTF's current practice baseline, leading to a high 288% realization rate. The current practice baseline was more efficient than the federal standard.	The Company has been given guidance from the Commission staff that RTF is the preferred methodology. The Company will continue to use this methodology going forward, unless directed otherwise.
Track all upstream lighting data in a consistent manner throughout each two-year program evaluation period. Cadmus had difficulty mapping the program administrator's lighting tracking database to the price	The evaluation acknowledged that the system improved in 2014; the program administrator will standardize upstream lighting database tracking to ensure that all data provided is consistent and accurate.

Evaluation Recommendations	Rocky Mountain Power Action Plan
scheduling database (inconsistent use of SKU's and model numbers).	
Consider accounting for commercial installation of upstream bulbs in the reported savings. Currently, RMP does not account for cross-sector sales from the upstream lighting incentives. Cadmus estimated that 3.9% of efficient bulbs purchased at retail stores would be installed in commercial applications. These bulbs produce higher first-year savings than bulbs installed in a residential space because commercial locations typically have higher daily hours of use.	The program evaluation covered a period before the Company began offering instant incentives for LED lighting to non-residential customers. Given the changing nature of the lighting market and the new offering for non-residential customers, the Company does not plan to adjust savings for cross-sector sales at this time, but will continue to monitor this trend in future evaluations.
Consider using nonparticipant spillover analysis in the NTG estimation for all programs. Nonparticipant spillover results in energy savings caused by, but not rebated through, a utility's demand-side management activities. Through responses to the general population survey, Cadmus estimated nonparticipant spillover as 5% of HES program savings. These savings were not included because this estimation is relatively new in the industry.	The Company will consider this recommendation and will most likely incorporate nonparticipant spillover in the NTG estimation in the next round of evaluations.
Rocky Mountain Power should continue using the Retail Sales Allocation Tool (RSAT) to determine which stores in their territory should be included as participating stores in the program.	The RSAT will continue to be used for this program.
Continue to pursue a multi-touch marketing strategy, using a mix of bill inserts and retailer/contractor training. Given the large percentage of customers who learned of wattsmart offerings through bill inserts, examine the proportion of customers selecting to receive online bills and ensure these online channels proportionately advertise the programs with the messages that motivated customers to participate: long-lasting products, saving energy, replacing equipment and reducing costs.	The Company will continue to pursue a multi-touch marketing strategy. Additionally, the bill insert is available to online bill customers and there is a link for energy programs and tips.
Continue regular trainings with trade allies (e.g., distributors, retailers, sales associates, contractors), updating them on tariff changes and, where appropriate, supporting them with sales and marketing training. Analyze success of efforts to register non-registered contractors who worked with rebate participants within 90 days to determine whether the additional outreach mitigated the number of rejected applications due to non-qualified contractors.	Program will continue to send quarterly trade ally newsletters, provide roundtable events bi-annually, and identify areas for additional training where feasible and cost-effective.
For the energy efficiency kit offering, allow customers to opt out of the water-saving measures if they do not have a shower or if they already have efficient showerheads or faucet aerators to reduce unnecessary program cost.	The Company will review the offerings to determine the most appropriate kit offerings. However, the program has an LED only option available in the wattsmart Kits program.