



2020 IDAHO Energy Efficiency and Peak Reduction Annual Report

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EXECUTIVE SUMMARY

Rocky Mountain Power is a multi-jurisdictional electric utility providing retail service to customers in Utah, Idaho, and Wyoming. Rocky Mountain Power, a division of PacifiCorp, serves approximately 84,504 customers in southeastern Idaho. Rocky Mountain Power acquires energy efficiency and peak reduction resources as cost effective alternatives to the acquisition of supply-side resources. These resources assist in efficiently addressing load growth and contribute to the ability to meet system peak requirements.

PacifiCorp develops an integrated resource plan (IRP)¹ as a means of balancing cost, risk, uncertainty, supply reliability/deliverability and long-run public policy goals. The IRP presents a framework of future actions to ensure that Rocky Mountain Power continues to provide reliable, reasonably priced service to customer. Energy Efficiency and peak management opportunities are incorporated into the IRP based on their availability, characteristics, and costs.²

Rocky Mountain Power employs external implementers to administer its programs.³ Evaluations for each program are performed by independent external evaluators to validate energy and demand savings derived from Rocky Mountain Power's energy efficiency programs.⁴

Rocky Mountain Power utilizes earned media, customer communications, education, and outreach, advertising as well as program specific marketing to communicate the value of energy efficiency, provide information regarding low-cost, no-cost energy efficiency measures and to educate customer on the availability of programs, services, and incentives.⁵

This report provides details on program results, activities, and expenditures of the Customer Efficiency Tariff Rider ("Schedule 191") as of the reporting period from January 1, 2020 through December 31, 2020. Rocky Mountain Power on behalf of its customers, invested \$5.4 million in energy efficiency resource acquisitions during the reporting period. The investment yielded approximately 25.8 megawatt hours ("MWh") at generator in first-year energy savings, and approximately 4.64 megawatts ("MW") of capacity reduction from energy efficiency. Net benefits based on the projected value of the energy savings over the life of the individual measures is estimated at \$1.4 million.⁶

¹ Information on PacifiCorp's IRP can be found at <https://www.pacificorp.com/energy/integrated-resource-plan.html>.

² Information on PacifiCorp's planning process can be found at <https://www.pacificorp.com/environment/demand-side-management.html> under the "PacifiCorp planning" section.

³ Information on program administration can be found at <https://www.pacificorp.com/environment/demand-side-management.html> under the "Program administration" section.

⁴ Information on program evaluations can be found at <https://www.pacificorp.com/environment/demand-side-management.html> under the "Reports and program evaluations by state" section.

⁵ Information on communications and outreach can be found at <https://www.pacificorp.com/environment/demand-side-management.html> under the "Communications and outreach" section.

⁶ See cost effectiveness Appendix A.

The energy efficiency portfolio was cost effective based on the Utility Cost Test (UCT), which is the primary cost benefit test observed in Idaho. Cost-effectiveness results are provided in Table 9 and Appendix A.

In 2020, Rocky Mountain Power's DSM portfolio included the following programs:

- **Energy Efficiency Programs:**
 - Wattsmart Homes
 - Home Energy Reports
 - Low Income Weatherization
 - Wattsmart Business
- **Peak Reduction Program:**
 - Irrigation Load Control

Pursuant to Commission Order No. 32196, the Idaho Irrigation Load Control Program is treated as a system power supply with expenses flowing through base rates in lieu of the Schedule 191 DSM tariff rider. Notwithstanding, information on the Irrigation Load Control Program is provided in this report.

REGULATORY ACTIVITIES

During the 2020 reporting period, the Company filed 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 31, 2020, the Company circulated the DSM balancing account report for the fourth quarter of 2019.
- On April 20, 2020, pursuant to Order No. 29976, the Company submitted its 2019 Idaho Energy Efficiency and Peak Reduction Annual Report in Case No. PAC-E-05-10.
- On May 1, 2020, the Company circulated the DSM balancing account report for the first quarter of 2020.
- On August 3, 2020, the Company circulated the DSM balancing account report for the second quarter of 2020.
- On August 28, 2020, the Company submitted an Application for a prudency determination on 2018-2019 DSM expenditures in Case No. PAC-E-20-11. On March 24, 2021, Order No. 34970 was issued ruling the Company's 2018-2019 DSM expenditures as prudently incurred.
- On November 4, the Company circulated the DSM balancing account report for the third quarter of 2020.

- On November 17, 2020, consistent with the 45-day notice process for maximum “up to” incentives, a notice of change to the Wattsmart Business program was posted on the program website,⁷ 45 days prior to going into effect January 1, 2021. Program changes included streamlining the flexible tariff tables and miscellaneous updates to incentive and eligibility criteria for measure categories including motors, HVAC equipment, food service equipment, office equipment, and mid-market.
- On December 16, 2020, the Company circulated its 2020 communications plan with Idaho Commission Staff.

MEETINGS WITH COMMISSION STAFF

The Company consulted with Idaho Commission Staff throughout 2020, with formal presentations on the following matters:

June 9, 2020

- Discussed the Company’s 2019 Idaho Energy Efficiency and Peak Reduction Annual Report.
- Reviewed the 2020 Year-to-Date Status, including savings and expenditures as well as COVID-19 impacts and challenges.
- Reviewed results from the Wattsmart Homes 2017-2018 program evaluation.
- Discussed proposed changes to the Wattsmart Homes program.
- Provided updates on the Home Energy Reports program; and
- Discussed the concept of a battery demand response type program for Idaho.

December 7, 2020

- Discussed forecasted 2020-2021 kWh savings and expenditures for energy efficiency programs.
- Reviewed the Schedule 191 rates and DSM balancing account.
- Reviewed results of the Home Energy Report and Low-Income Weatherization programs.
- Discussed proposed changes to the evaluation structure to bring more real-time value.
- Discussed proposed changes to the DSM Annual Report structure.
- Reviewed the 2021 marketing plan.
- Provided updates to the Irrigation Load Control program and its evolution.

⁷ <https://www.rockymountainpower.net/savings-energy-choices/business/wattsmart-efficiency-incentives-idaho.html>

PORTFOLIO OF PROGRAMS

ENERGY EFFICIENCY PROGRAMS

WATTSMART HOMES

Program Description

The Wattsmart Homes program is designed to provide access to incentives for using more efficient products and services installed or received by residential customers in the following housing types:

- New Construction Homes
- Single Family Existing Homes
- Multi-family Housing Units
- Manufactured Homes

The program applies to residential customers under Electrical Service Schedules 1 or 36. Landlords who own rental property where the tenant is billed under Electric Service Schedules 1 or 36 also qualify.

The Wattsmart Homes program did not pass the UCT cost tests with a benefit cost ratio of 0.88 for 2020.

Program Performance and Major Achievements in 2020

- The Wattsmart Homes program generated 2,794,621 kWh savings at the site.
- Disbursed \$326 thousand in incentives.
- A new online application portal for Trade Allies was launched. The portal provides Trade Allies with a digital record of all rebate applications and a dashboard to monitor the status of all submitted applications.
- A new virtual reality application stream, that allows the ability to perform quality control audits, inspections, and virtual installation assistance was launched.

Additional information on the program administration can be found on the Company's website under the Program administration section:

<https://www.pacificorp.com/environment/demand-side-management.html>

Direct Link to Wattsmart Homes program administration:

https://www.pacificorp.com/content/dam/pcorp/documents/en/pacificorp/environment/dsm/idaho/IDAHO_Program_Administration_Wattsmart_Homes.pdf.

HOME ENERGY REPORTS PROGRAM

Program Description

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 tips to decrease their energy usage.

The Home Energy Reports program passed the UCT with a cost benefit ratio of 2.72 for 2020.

Program Performance and Major Achievements in 2020

- Total savings for 2020 in MWh was 3,948, which equates to 3,947,830 in kWh savings.
- Reports were initially provided to approximately 18,000 customers in 2020.
- In July the program was expanded to approximately 41,000.
- Enhancements to reports were made during 2020.
 - More individual recommendation to save energy
 - Greater insights on how customers are using energy by appliance type
 - Home characteristics include on report with easy access to update home profile
 - Monthly usage history included on reports
- Online portal was improved to provide greater insights for all residential customers.
- In 2020, only 0.46% of customers (195 customers) have requested to be removed from the program.

Additional information on the program administration can be found on the Company's website under the Program administration section:

<https://www.pacificorp.com/environment/demand-side-management.html>

Direct Link to Home Energy Reports program administration:

<https://www.pacificorp.com/content/dam/pcorp/documents/en/pacificorp/environment/dsm/idaho/IDAHO Program Administration Home Energy Reports.pdf>

LOW INCOME WEATHERIZATION

Program Description

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 the income-eligible guidelines. Services are provided at no cost to the program participants.

The Company contracts with Eastern Idaho Community Action Partnership, Inc. (“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 is required to fund 85 percent of the cost of approved measures, pursuant to Commission Order No. 32151. Under Advice No. 19-01 filed with Idaho Public Utilities Commission on January 16, 2019, Commission approved reimbursement of up to 100% of related installed costs of ductless heat pumps, effective March 6, 2019. Agencies cover remaining costs with the funding received by IDHW.

The Low-Income Weatherization program did not pass the PTRC with a cost benefit ratio of 0.74 for 2020. Under direction of Case No. GNR-E12-01, Low Income Weatherization program uses the 10 percent conservation adder to the total resource cost test as its primary cost test.

Program Performance and Major Achievements in 2020

- In 2020, the program achieved savings at site of 37,245
- Number of homes served 23

Low Income Energy Conservation Education

Commission Order No. 32788 authorized 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 did not request program year (“PY”) 2021 funding by 2020-year end as they had large inventory of kits purchased with PY 2020 funds which they planned to distribute throughout the LIHEAP PY 2021. SEICAA received \$9,000 at the beginning of their 2020/2021 LIHEAP program year. Due to COVID-19 pandemic, agencies faced challenges in their effort to distribute/deliver conservation kits to low income customers and increased use of funds to ship kits to program clients. 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.

The agencies provided a conservation education curriculum to households and reported the following activities and program specifics for 2020 in Table 1 below.

Table 1
2020 Conservation Education Activities

	EICAP		SEICAA	
Annual Funds	\$	-	\$	9,000.00
Expenditures	\$	14,992.88	\$	-
Balance as of 12/31/20	\$	32,840.41	\$	9,000.00
Households Served		267		40

Distribution

EICAP purchased 500 kits using program year 2020 funds. The new kits include three 9W LED bulbs, 1 LED night light, a window insulation kit, a smoke detector with alkaline battery, a wall plate thermometer, a showerhead, and a hot water gauge. Due to COVID-19, EICAP continued distribution of their program year 2019 kits by mail as they did not interact with clients. As of December 31, 2020, EICAP has 500 kits purchased in 2020 in their inventory.

EICAP’s program objective was to educate Rocky Mountain Power customers on how to conserve energy through useful tips and tools to help them save year-round. They served Rocky Mountain Power households that received energy assistance and/or requested energy conservation education.

SEICAA did not purchase kits in 2020 and planned to utilize a portion of the PY 2021 funds to cover the cost to ship kits purchased in 2019 to households. Once inventory has been distributed, SEICAA will identify the remaining funds available and purchase new energy conservation kits.

Table 2 below provides information regarding the education offered by the agencies.

Table 2
Additional Information on Conservation Education by Agencies

	EICAP	SEICAA
Program Design	Educate Rocky Mountain Power customers about how to conserve energy.	Reduce electricity usage and monthly bills for participants of the LIHEAP program.
Target Audience	Rocky Mountain Power customers who receive energy assistance and request energy conservation education.	LIHEAP recipients who have not received weatherization program services as a priority. Households can also be identified through SEICAA's other programs.

	EICAP	SEICAA
How Company Funds Were Used	Plan to purchase energy efficiency kits after PY 2020/2021 LIHEAP season.	Plan to utilize portion of funds for shipping cost and will use remaining to purchase kits in CY 2021.

Additional information on the program administration can be found on the Company's website under the Program administration section:

<https://www.pacificorp.com/environment/demand-side-management.html>

Direct Link to Low Income Weatherization program administration:

https://www.pacificorp.com/content/dam/pcorp/documents/en/pacificorp/environment/dsm/idaho/IDAHO_Program_Administration_Low_Income.pdf

WATTSMART BUSINESS PROGRAM

WATTSMART BUSINESS

Program Description

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

Wattsmart Business is designed to influence new and existing non-residential customers to increase the efficiency of electric energy usage both through the installation of efficient equipment as well as adoption of improved energy management protocols. Qualifying measures include those which produce verifiable electric energy efficiency improvements compared to an established baseline.

Wattsmart Business offerings include:

- Typical Upgrades
- Small Business Enhanced
- Small Business Direct Install
- Midstream/Instant incentives
- Custom Analysis
- Energy Management
- Energy Project Manager Co-funding

The Wattsmart Business program passed the UCT with a cost benefit analysis of **1.51**.

Program Performance and Major Achievements in 2020

- In 2020, the program achieved gross energy savings at site of 16,991,503 kWh.
- Distributed incentives of \$1,998,359.
- To foster continued growth and utilization of the Wattsmart Business Vendor Network (WBVN) and to increase customer satisfaction, a full-time Idaho-based lighting staff member was added. This staff member provides an outreach and support role to both vendors and customers interested in lighting incentives.
- Advanced Rooftop Control (ARC) HVAC measures were added to the Idaho measure mix at the beginning of the year. In late program year, ARC incentives were expanded, and in some cases increased, furthering vendor and customer participation in this new offering. A video case study was filmed at an Idaho Falls Chuck-A-Rama Buffet restaurant, which Nexant will use to train Idaho WBVN vendors on ARC technology.
- In 2020, participating WBVN vendors continued receiving quarterly vendor performance scorecards to provide timely feedback and encourage vendors to strive to reach “Premium” status, which entitles qualifying vendors to improved visibility and enhanced co-branding with Rocky Mountain Power. One lighting vendor achieved Premium vendor status, the first in Idaho.
- 2020 is the first full program year for Idaho’s overhauled lighting incentives, designed to encourage behaviors that move the market toward further adoption of lighting controls, especially Advanced Networked Lighting Controls (ANLC). These represent the next frontier of significant energy saving technologies in Idaho’s lighting market. Idaho’s first ANLC project to receive RMP incentives was completed in 2020.
- SBDI had 58 installed projects, with an average kWh installed per project of 11,471, average co-pay \$1,174, and the average incentive per project of \$3,521.
- Small Business enhanced using select contractors to offer Small Business Direct Incentive offer.

Additional information on the program administration can be found on the Company’s website under the Program administration section:

<https://www.pacificorp.com/environment/demand-side-management.html>

Direct Link to Wattsmart Business program administration:

https://www.pacificorp.com/content/dam/pcorp/documents/en/pacificorp/environment/dsm/idaho/IDAHO_Program_Administration_Non_Residential.pdf

PEAK REDUCTION PROGRAMS

IRRIGATION LOAD CONTROL

Program Description

The irrigation load control program is offered to irrigation customers receiving electric service on Schedule 10, Irrigation and Soil Drainage Pumping Power Service. Participants enroll in the program with a third-party administrator and allow the curtailment of their electricity usage in exchange for an incentive. Customer incentives are based on the site's average available load during load control program hours, adjusted by opt outs or non-participation.

For most participants, their irrigation pumps are set up with a dispatched two-way control system giving Rocky Mountain Power control over their loads. Participants are notified a day ahead of control events and have the choice to opt-out of a limited number of dispatch events per season.

The Irrigation Load control program passed the UCT cost test for 2020.

Program Performance and Major Achievements in 2020

- There were 9 load control events initiated in 2020 due to energy prices being low. Three of the total events were voluntary.
- The available load from the Irrigation Program can be utilized as reserves which provides value to the program and benefits the customer.
- The real-time Irrigation pilot continued during the 2020 season to test equipment requirements, system responsiveness, and impact on irrigators.
- Customers were given a 20% incentive bonus for participation in general.
- Total customer participating in the program are 152, participation sites 1,240.
- Total enrolled MW (Gross -at Gen) in 2020 is 202, maximum potential MW (at Gen) is 88.91.

Additional information on the program administration can be found on the Company's website under the Program administration section:

<https://www.pacificorp.com/environment/demand-side-management.html>

Direct Link to Irrigation Load Control program administration:

https://www.pacificorp.com/content/dam/pcorp/documents/en/pacificorp/environment/dsm/idaho/IDAHO_Program_Administration_Irrigation_Load_Control.pdf

EXPENDITURES

TOTAL ENERGY EFFICIENCY PORTFOLIO SAVINGS AND EXPENDITURES

Table 3
Program Results for January 1, 2020– December 31, 2020⁸

Energy Efficiency Programs	kWh/Yr. Savings (at site)	kWh/Yr. Savings (at gen)	Program Expenditures
Low Income Weatherization	37,245	40,620	\$ 145,885
Home Energy Reporting	3,947,830	4,305,543	\$ 94,150
Wattsmart Homes	2,794,621	3,047,841	\$ 836,768
Total Residential	6,779,696	7,394,004	\$ 1,076,804
Total Wattsmart Business	16,991,503	18,395,365	\$ 3,844,528
Total Energy Efficiency	23,771,199	25,789,369	\$ 4,921,332
Other Portfolio Expenditures			
Commercial & Industrial Evaluation Costs			\$ 117,274
Residential Evaluation Costs			\$ 103,165
Low Income Energy Conservation Education			\$ 9,000
Outreach & Communications			\$ 200,668
Potential Study			\$ 63,852
System Support			\$ 39,425
Total Other Portfolio Expenditures			\$ 533,384
Total Idaho Energy Efficiency Portfolio Expenditures			\$ 5,454,714

GROSS SAVINGS BY MEASURE CATEGORY

Table 4
2020 Annual Savings by Wattsmart Homes

Measure Category	Total kWh (at Site)	Total Incentive	Total Measure Quantity
Appliances	2,495	\$1,200	24
Building Shell	6,156	\$5,820	10,620 sq ft
Electronics	652,260	\$122,905	9,318
Energy Kits	5,469	\$167	16
HVAC	154,956	\$45,497	276
Lighting	1,545,405	\$82,439	71,527
Water Heating	379,889	\$45,102	4,669
Whole Home	47,991	\$23,500	18
Grand Total	2,794,621	\$326,630	

⁸ The energy efficiency reported savings are gross, ex-ante. The values at generation include line losses between the customer site and the generation source.

Table 5
Low Income Homes Served and Measures Installed

Measure Type	Installed
Air Sealed/Infiltration	23
Insulation	55
Attic Ventilation	12
Lighting CFL/LED	21
Furnace Repair or Replacement	21
Duct Sealing and/or Insulation	9
Ductless Heat Pump	6
Thermal Doors and/or Window Replacement	30
Water Heater Replacement	15
Total Number of Homes Served	23
Total kWh Savings @ Site	37,245

Table 6
Wattsmart Business Savings by Sector

Sector	Total kWh (at Site)	Total Incentive
Commercial	8,105,956	\$ 936,528
Industrial	4,096,541	\$ 559,185
Irrigation	4,789,006	\$ 502,646
Grand Total	16,991,503	\$ 1,998,359

Table 7
2020 Annual Net Savings by Wattsmart Business

Measure Category	Total kWh (at Site)	Total Incentive	Total Projects
Additional Measures	436,738	\$ 65,511	2
Agriculture	2,359,197	\$ 236,178	159
Building Shell	33,356	\$ 19,682	16
Compressed Air	191,610	\$ 28,773	4
Direct Install	653,903	\$ 200,748	57
Energy Management	1,436,707	\$ 28,734	9
Farm & Dairy	345,970	\$ 50,750	11
Food Service Equipment	107,758	\$ 7,860	3
HVAC	382,615	\$ 54,464	27
Irrigation	2,719,064	\$ 293,993	141
Lighting	4,691,123	\$ 497,239	333
Motors	3,250,816	\$ 418,262	18
Refrigeration	382,647	\$ 57,397	3
Vendor Promotion	-	\$ 800	8
Energy Project Manager Co-Funding	-	\$ 37,968	1
Grand Total	16,991,503	\$ 1,998,359	792

LOAD CONTROL EVENTS

Table 8
Irrigation Load Control Events⁹

Date	Event	Event Times	Estimated Load Reduction at Gen (MW)
7/31/2020	1	4:00 PM - 8:00 PM MDT	62
8/14/2020	2	4:00 PM - 8:00 PM MDT	78
8/17/2020	3	5:00 PM - 8:00 PM MDT	87
8/18/2020	4	5:00 PM - 8:00 PM MDT	78
8/19/2020	5	5:00 PM - 8:00 PM MDT	89
8/20/2020	6	5:00 PM - 8:00 PM MDT	81
8/21/2020(v)	7	4:00 PM - 9:00 PM MDT	60
8/22/2020(v)	8	4:00 PM - 9:00 PM MDT	53
8/23/2020(v)	9	4:00 PM - 9:00 PM MDT	26

Table 9
Irrigation Load Program Performance

Total Enrolled MW (Gross – at Gen)	202 MW
Average Realized Load MW (at Gen)	68.54 MW
Maximum Realized Load MW (at Gen)	88.91 MW
Participation Customers	152
Participation (Sites)	1,240

COST EFFECTIVENESS

TOTAL COST EFFECTIVENESS RESULTS BY PORTFOLIO AND PROGRAM

Program cost effectiveness is performed using a Company specific modeling tool, created by a third-party consultant. The tool is designed to incorporate PacifiCorp data and values such as avoided costs, and generally follows the methodology specified in California’s Standard Practice Manual. The analysis assesses the costs and benefits of DSM resource programs from different stakeholder perspectives, including participants and non-participants, based on four tests described in the Standard Practice Manual (TRC, UCT, PCT and RIM) as well as an additional fifth test, PTRC.

Each of the cost-effectiveness tests for Rocky Mountain Power’s programs is outlined below. The primary cost/benefit test observed in Idaho is the UCT for all programs other than the Low-Income Weatherization program, which uses the PTRC.¹⁰

⁹ (v) = voluntary events

¹⁰ Under direction of Case No. GNR-E-12-01, *Low Income Weatherization* program uses the 10 percent energy conservation adder to the total resource cost test.

- PacifiCorp Total Resource Test (PTRC) is the total resource cost test with an additional 10% added to the net benefit side of the benefit/cost formula to account for non-quantified environmental and non-energy benefits of conservation resources over supply side alternatives.
- Total Resource Cost (TRC) Test considers the benefits and costs from the perspective of all utility customers, comparing the total costs and benefits from both the utility and utility customer perspectives.
- Utility Cost (UCT) Test also called the program administrator cost test, provides a benefit to cost perspective from the utility only. The test compares the total utility cost incurred to the benefit/value of the energy and capacity saved and contains no customer costs or benefits in calculation of the ratio.
- Participant Cost Test (PCT) compares the portion of the resource paid directly by participants to the savings realized by the participants.
- Ratepayer Impact Cost Test (RIM) examines the impact of energy efficiency expenditures on non-participating ratepayers overall. Unlike supply-side investments, energy efficiency programs reduce energy sales. Reduced sales typically lowers revenue requirements while putting near-term upward pressure on the rates remaining fixed costs are spread over fewer kilowatt-hours.

Table 10
2020 Cost-Effectiveness Results by Program¹¹

Program	Benefit/Cost Test ¹²				
	PTRC	TRC	UCT	PCT	RIM
Irrigation Load Control Program ¹³	Pass	Pass	Pass	Pass	Pass
Energy Efficiency Portfolio (inc. LIW)	0.89	0.82	1.25	2.45	0.38
Energy Efficiency Portfolio (exc. LIW)	0.90	0.82	1.28	2.42	0.38
Non-Residential Energy Efficiency Portfolio	0.91	0.82	1.47	2.39	0.40
Residential Energy Efficiency Portfolio (inc. LIW)	0.98	0.93	0.85	2.67	0.31
Residential Energy Efficiency Portfolio (exc. LIW)	1.01	0.96	0.96	2.55	0.33
Low Income Weatherization ¹⁴	0.74	0.72	0.15	N/A ¹⁵	0.12
Home Energy Reporting	3.00	2.72	2.72	N/A ¹⁶	0.53
Wattsmart Homes	0.96	0.92	0.88	2.26	0.30
Wattsmart Business	0.92	0.84	1.51	2.39	0.41

¹¹ Cost-effectiveness memo detail is provided in Appendix A.

¹² The Low-Income Weatherization and Wattsmart Homes programs include non-energy impacts.

¹³ A "Pass" designation equates to a benefit cost ratio of 1.0 or better.

¹⁴ Low-Income Weatherization conservation education funding is excluded from the program level cost-effectiveness testing, but is included in the portfolio and residential sector cost-effectiveness.

¹⁵ Participants in Home Energy Reports do not incur costs; therefore, N/A is appropriate.

¹⁶ Participants in Low Income Weatherization do not incur costs; therefore, N/A is appropriate.

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 report, includes sector-specific evaluation, measurement, and verification expenditures. The Company includes quantifiable non-energy impacts at the portfolio and residential level, as well as the Wattsmart Homes and Low-Income Weatherization program level.