ROCKY MOUNTAIN POWER
A DIVISION OF PACIFICORP

1407 W. North Temple, Suite 330
Salt Lake City, Utah 84116

September 2, 2020

VIA ELECTRONIC FILING

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

Attn: Gary Widerburg
Commission Administrator

RE: Advice No. 20-07
Proposed Changes to Schedule 140, Non-Residential Energy Efficiency Program
Docket No. 20-035-T06

Enclosed for electronic filing are the proposed tariff sheets associated with Tariff P.S.C.U. No. 50 of PacifiCorp, d.b.a. Rocky Mountain Power (the "Company"), applicable to electric service in the State of Utah. Pursuant to the requirement of Rule R746-405-2(D), the Company states that the proposed tariff sheets do not constitute a violation of state law or Commission rule. The Company respectfully requests an effective date of October 2, 2020 for these changes.

Sixteenth Revision of Sheet No. B.1		Tariff Index
First Revision of Sheet No. 140.1	Schedule 140	Non-Residential Energy Efficiency
Second Revision of Sheet No. 140.3	Schedule 140	Non-Residential Energy Efficiency
Sixth Revision of Sheet No. 140.4	Schedule 140	Non-Residential Energy Efficiency
Fifth Revision of Sheet No. 140.5	Schedule 140	Non-Residential Energy Efficiency
Fifth Revision of Sheet No. 140.6	Schedule 140	Non-Residential Energy Efficiency
Fourth Revision of Sheet No. 140.7	Schedule 140	Non-Residential Energy Efficiency
Fourth Revision of Sheet No. 140.8	Schedule 140	Non-Residential Energy Efficiency
Eighth Revision of Sheet No. 140.9	Schedule 140	Non-Residential Energy Efficiency

The purpose of this filing is to propose changes to the Non-Residential Energy Efficiency Program ("Program") administered through Electric Service Schedule No. 140. These tariff changes align with targets illustrated in the table below, filed in the Demand Side Management November 1st Deferred Account and Forecast Report on November 1, 2019, in Docket No. 19-035-28.

2020 Budget and Savings Forecast

***	2020 MWh Savings Forecast	2020 Budget Forecast
Wattsmart Business	197,987	$37,061,156

DESCRIPTION OF CHANGES

Proposed adjustments are listed below, with further explanation provided in subsequent sections.

1. Miscellaneous updates to incentives and eligibility criteria for the following measure categories:
    a. Lighting;
    b. Motors;
    c. HVAC Equipment;
    d. Food Service Equipment;
    e. Office Equipment;
    f. Irrigation;
    g. Farm and Dairy Equipment;
    h. Mid-Market Lighting; and
    i. HVAC Check-up measures.
2. Streamlined Schedule 140 tariff sheets.

MEASURE UPDATES

As a result of the Company's ongoing analysis of its offerings, including reviews of eligibility requirements, savings assumptions, and incentive levels, several proposed changes have been identified to improve Program offerings. The purpose of these changes is to better align with current measure research and market conditions, and cost-effectiveness thresholds. Accordingly, it is proposed to adjust Schedule 140 as follows:

Applicability

- The Applicable section on Sheet 140-1 will be updated to reference schedules listed on Schedule 193, Demand Side Management Cost Adjustment, in order to prevent any inadvertent omissions of applicable service schedules.

Table 1a – Lighting System Retrofits

In Docket No. 19-035-T01, the Company restructured the lighting system retrofit offerings to be segmented between small, medium, and large customers to shift away from the "one size fits all" design, and focus on specific needs of each customer segment. As part of the segmentation, the Company required medium and large customers to install controls to be eligible for certain offerings, whilst still allowing the option for small customers to install lighting without controls. However, it has since been found that small and medium customers are more similar to each other than medium is to large in this instance. With that in mind, the following changes are proposed to interior and exterior lighting offerings:

- **Interior Lighting and Exterior Lighting** – Non-prescriptive incentives will be offered to medium customers installing interior or exterior retrofit kits without controls at $0.30 and $0.15 per watt reduced, respectively.

These changes will better meet the needs of medium sized customers and are anticipated to increase participation. It should also be noted that Table 1a within Schedule 140 is not changing, rather the breakout tables stemming from Table 1a that are managed on the Company's website

will be updated with the newly available incentive offering within the current maximum amounts allowed under Table 1a.

Table 2 – Motor Incentives

- **Electronically Commutated Motor (ECM)** – Add "Retrofit Only" to this offering to specify that these measures must be installed in retrofit applications in order to be eligible for an incentive. Additionally, increase the maximum "up to" incentive for refrigeration application sub-category from $0.50/watt to $1.00/watt.

Table 3b – Other HVAC Incentives

- **Advanced Rooftop Unit Control (New RTU)** – The maximum incentive for all equipment sizes will decrease by $200, $300, or $400 depending on the size. The offered incentives will also be set at the new maximum amounts.

Table 5 – Food Service Equipment Incentives

- **Residential Dishwasher** – This measure currently references the Home Energy Savings Program and will be updated to reference the Wattsmart Homes Program, administered via Schedule 111.
- **Commercial Dishwasher** – The equipment category labels will be revised to more clearly designate the different types of commercial dishwashers.
- **Electric Insulated Holding Cabinet** – The equipment category labels will be revised to more accurately identify the different holding cabinet sizes.
- **Electric Steam Cooker** – This measure will apply to all equipment sizes and will no longer require a heavy load efficiency.
- **Electric Convection Oven –** This measure will be split into half and full size offerings. The maximum incentive will be increased from $200/unit to $350/unit. The initially offered incentive for the half size will be $200, and the existing full size incentive will be increased to the maximum amount of $350.
- **Electric Fryer –** This measure was previously discontinued due to a lack in cost-effectiveness, but can be added back into the Program cost-effectively with two equipment size offerings, standard and large. The maximum and offered incentives for both sizes will be $300.
- **Electric Combination Oven –** The size categories for this measure will be expanded to allow for more equipment to be eligible for incentives. The maximum incentive for larger equipment will be increased from $275/unit to $500/unit.
- **Ice Machines (Air-Cooled Only)** – The measures tiers will be removed as they are no longer applicable. The harvest rates will remain intact and the incentive amounts will remain the same.
- **Residential Refrigerator (used in a business)** – This measure currently references the Home Energy Savings Program and will be updated to reference the Wattsmart Homes Program, administered via Schedule 111.
- **Residential Freezer (used in a business)** – This measure is intended to be added back into to Schedule 111 as an eligible, cost-effective offering in a separate filing. Accordingly, it is being added back into Schedule 140 with a reference to the Wattsmart Homes Program via Schedule 111, similar to the Residential Refrigerator offering listed above. If the

Residential Freezer measure does not get approved in Schedule 111, the reference in Schedule 140 will simply become non-applicable.

Table 6 – Office Equipment Incentives

- **Smart Plug Strip** – Offerings for smart plug strips that make use of occupancy sensors and timers are no longer cost-effective, however load sensing advanced power strips remain cost-effective as downstream measures. Accordingly, the eligibility requirements for this measure have been updated to remove occupancy sensors and timers, and to clarify that equipment must be on the Qualified Product List in order to be eligible. Additionally, the maximum incentive will decrease from $15/unit to $5/unit to account for the lower incremental cost of equipment on the Qualified Product List.

Table 7 – Appliance Incentives

- **High-Efficiency Clothes Washers and Heat Pump Water Heaters –** These measures currently reference the Home Energy Savings Program and will be updated to reference the Wattsmart Homes Program, administered via Schedule 111.

Table 8a – Irrigation Incentives – Measures for Wheel Line, Hand Line, and Other Portable Systems (Retrofit Only)

- **Flow Control Nozzles –** Flow control nozzles currently have higher incentives than regular nozzles due to their higher cost and assumed higher savings, which was based on the Regional Technical Forum ("RTF") v3.3 analysis. The more recent RTF v4.1 analysis however, uses the same savings assumptions for both measures due to the absence of data for flow control nozzles, which are uncommon with minimal participation. With no additional savings benefits from flow control nozzles over regular nozzles, the separate flow control nozzle offering with the higher incentive will be discontinued. Flow control nozzles will still be eligible for an incentive at the same amount as regular nozzles.
- **Wheel Line Feed Hose Replacement –** This measure is not deemed by the RTF and is not cost-effective. Accordingly, this offering will be discontinued.
- **Wheel Line Hub Replacement –** This offering will be discontinued due to a lack in participation.

Table 8b – Irrigation Incentives – Measures for Pivots and Linear Systems (Retrofit Only)

- **Goosenecks and Drop Tubes** – Currently, goosenecks and drop tubes are offered as individual measures, based on the RTF analysis v3.3 from November 2016. In the more recent RTF analysis v4.1 from May 2018 however, goosenecks and drop tubes are no longer included as separate, individual measures. Accordingly, the individual offerings for goosenecks and drop tubes will be discontinued to align with the RTF.

Table 9 – Farm and Dairy Equipment Incentives

- **Boot and Tower Gaskets** – These specific gasket measures are being discontinued due to a lack in participation.

Table 13a – Mid-Market Incentives Lighting

- **PLC Pin-based Lamp > 10 W** – The greater than symbol (">") in this measure will be underlined ("≥") to specify that PLC Pin-based Lamps greater than *or* equal to 10 watts are eligible for this offering.
- **Wall Pack Fixture with Occupancy Sensor** – This offering will be discontinued due to the technology not being widely available or used.

Table 14 – HVAC Check-up Incentives

- **Thermostats** – The eligibility requirements for thermostats will be modified to specify that the existing equipment must be a non-programmable thermostat *or* a residential thermostat, which must be replaced with a *commercial* programmable thermostat to qualify for an incentive.
- **Economizer** – The measure will be split to specify that Economizer Replacements are also eligible for this offering. The maximum/offered incentive amounts will remain the same as the Economizer Repair offering.

STREAMLINED SCHEDULE 140 TARIFF SHEETS

The Schedule 140 tariff sheets were originally proposed in Docket No. 13-035-89 to combine the then separate tariffs that made up commercial and industrial programs. The Commission approved the new Schedule 140 tariff in its order issued June 28, 2013, with an effective date of July 1, 2013. The level of content and formatting of Schedule 140 has remained largely the same for the past seven years. Back in 2013, the Company agreed it was necessary to have more granular information and details in the tariff from a controls and risk standpoint given that the Program was still in its infancy. Over the past decade, it has become increasingly more difficult to achieve energy efficiency savings cost-effectively and adapt to the market quickly. Wattsmart Business is now a mature, well-administered program for customers, however with the increasingly volatile shifts in the market, frequent new technologies and standards, and uncertainty of COVID-19 impacts, the Company believes its energy efficiency programs need to be increasingly fast, fluid, and flexible to avert missed energy savings opportunities and keep up with market trends, industry standards, qualified equipment, and other eligibility criteria in order to meet customers' needs and achieve energy savings targets cost-effectively.

Accordingly, the Company proposes to streamline the Schedule 140 tariff sheets to accommodate necessary flexibility with its offerings. The streamlined tariff sheets will remove some of the granularity in various tables, such as category, sub-category, minimum eligibility requirements, size requirements, table notes, equipment category, and other information the Company feels is non-essential for the tariff. All requirements, eligibility, and other detailed information necessary for participation will be posted and maintained on the Company's website, application materials, and other prominent places for transparency and to keep customers informed. It should be noted that this level of detail is already included in these places given that the tariff currently does not include all provisions for participation for each offering. Any changes to the granular offering criteria will be managed through the day to day operation of the Company's energy efficiency portfolio.

The core measure offerings and maximum incentive amounts will remain in the Schedule 140 tariff. Any changes to maximum amounts will still require Commission approval, any new offerings the Company proposes to add will still require Commission approval, and the pre-established 45-notice process will still ensue for any offered incentive amount adjustments. The proposed streamlining will simply allow the Company to update the minutiae of offering eligibility requirements as necessary to allow new equipment, size parameters, technology variations, and other parameters to be eligible or ineligible in order to continually achieve cost-effective savings with industry standard parameters. Third party evaluations of the Company's programs, including the minutiae, will continue to be conducted and published for transparency, confirming the prudency of offerings or recommendations for improvement.

Exhibit A, attached hereto, includes the proposed streamlined changes to Schedule 140 and also captures the proposed changes from the Measure Updates section above. For transparency and comparison however, the Company has also included an alternative version of Schedule 140, attached hereto as Exhibit B, which excludes the proposed streamlining and only captures the proposed changes described in the Measure Updates section above.

Due to the proposed streamlined changes described in this Advice Letter and included in Exhibit A, Schedule 140 tariff sheets have been more condensed, resulting in information on one sheet relocating to a different sheet, or some sheets being canceled altogether, with the content of those sheets shifting to lower numbered sheets. In these instances, no substantive content has changed, other than what has been discussed above. The tariff sheet updates also include some non-substantive, aesthetic formatting changes to clean up the tables.

CUSTOMER COMMUNICATION

It is important to note that the vast majority of customers turn to the Company's website for information concerning DSM programs, current offerings, and any program changes, as opposed looking up Schedule 140. With that in mind, regardless of the content within Schedule 140, the Company currently ensures all relevant information concerning its programs are transparent and readily available to customers, contractors, stakeholders, etc. through its website. Relevant information is included in program applications, Frequently Asked Questions, and other frequented online pages. Whenever there are changes considered to Schedule 140, or program parameters managed outside of Schedule 140, the Company conducts a series of communicative efforts to impacted customers, contractors, etc. These communication efforts consist of the following:

- Posting a banner announcement prominently at the top of program landing pages with descriptions of the changes and a link to any relevant advice letters or other explanatory content. A "heads up" version of the announcement also appears whenever an advice letter or other communication is circulated to the DSM Steering Committee concerning program changes. Whenever an effective date occurs for program changes, a "this happened" version of the banner announcement also appears for added clarity.
- Announcements are made in newsletters to further convey relevant program changes.
- Email campaigns or "e-blasts" with explanatory information are circulated among active Trade Allies and other impacted channels.

- Verbal notifications and explanations are provided to impacted groups during the course of regular conversations and meetings.
- Call centers and Regional Business Managers are notified of changes when customer inquiries are anticipated to allow for real-time responses and improved customer service.

Streamlining the Schedule 140 tariff sheets as proposed is not anticipated to reduce the level of detail transparently displayed or readily available to customers, stakeholders, or the Commission. Program information will continue to be displayed, with changes conveyed as they occur.

STAKEHOLDER FEEDBACK

The Company circulated a draft advice letter package to the DSM Steering Committee on August 6, 2020. The advice letter content was also discussed during a Steering Committee meeting held August 11, 2020. The advice letter was updated after the August 11th meeting to incorporate added clarity based on questions/requests made by Steering Committee members.

COST-EFFECTIVENESS

The cost-effective analysis for these changes is attached hereto as Exhibit C, and was also based on the maximum "up to" incentive levels proposed. Table 5 below, pulled from Exhibit C, presents the expected cost-effectiveness for 2020-2021 assuming the proposed changes in this filing. Additional details and inputs are included in Exhibit C. Sensitivity analyses are also included as Exhibits D and E. The Program is expected to remain cost-effective from the Utility Cost Test perspective under all scenarios.

Table 5 – Wattsmart Business Program Level Cost-Effectiveness Results - PY2020 and PY2021 (Expected Participation)

Cost-Effectiveness Test	Levelized $/kWh	Costs	Benefits	Net Benefits	Benefit/Cost Ratio
Total Resource Cost Test (PTRC) + Conservation Adder	$0.0511	$73,010,129	$72,397,119	-$613,010	0.99
Total Resource Cost Test (TRC) No Adder	$0.0511	$73,010,129	$65,815,563	-$7,194,567	0.90
Utility Cost Test (UCT)	$0.0235	$33,532,524	$65,815,563	$32,283,038	1.96
Rate Impact Test (RIM)		$159,033,950	$65,815,563	-$93,218,387	0.41
Participant Cost Test (PCT)		$76,781,222	$167,262,536	$90,481,315	2.18
Lifecycle Revenue Impacts ($/kWh)					$0.0000100388
Discounted Participant Payback (years)					5.51

It is respectfully requested that all formal correspondence and staff requests regarding this matter be addressed to:

By E-mail (preferred): datarequest@pacificorp.com
michael.snow@pacificorp.com

By regular mail: Data Request Response Center
PacifiCorp
825 NE Multnomah Blvd., Suite 2000
Portland, OR 97232

Informal inquiries regarding this matter may be directed to me at (801) 220-4214.

Sincerely,

Michael S. Snow
Manager, Regulatory Affairs

Enclosures
cc: Division of Public Utilities
Office of Consumer Services

Exhibit A

ROCKY MOUNTAIN POWER
A DIVISION OF PACIFICORP

~~Fifteenth~~ Sixteenth Revision of Sheet No. B.1
P.S.C.U. No. 50 Canceling ~~Fourteenth~~ Fifteenth Revision of Sheet No. B.1

ELECTRIC SERVICE SCHEDULES
STATE OF UTAH

Schedule Numbers not listed are not currently used.
*These Schedules are not available to new customers or premises.

(continued)

ROCKY MOUNTAIN POWER

ELECTRIC SERVICE SCHEDULE NO. 140

STATE OF UTAH

Non-Residential Energy Efficiency

PURPOSE: This Schedule is intended to maximize the efficient utilization of electricity for new and existing non-residential loads through the installation of energy efficiency measures and energy management protocols.

APPLICABLE: To service under the Company's General Service Schedules listed on Schedule 193. ~~6, 6A, 6B, 8, 9, 9A, 10, 12, 15, 21, 23, and Supplementary Service under Schedule 31.~~ This Schedule is applicable to new and existing non-residential facilities and dairy barns served on the company's residential rate schedules. This Schedule is not applicable to offset customer generation.

CUSTOMER PARTICIPATION: Customer participation is voluntary and is initiated by following the participation procedures on the Utah energy efficiency section of the Company website. The Company shall have the right to qualify participants, at its discretion, based on criteria the Company considers necessary to ensure the effective operation of the measures and utility system. Criteria may include, but will not be limited to cost effectiveness. The Company may limit participation levels, as approved by the Commission. Any Commission-approved limits will be described on the Company's website. In the event that there is a participation dispute that is not resolved by the Company the customer may elect to follow the process outlined at http://www.psc.state.ut.us/complaints/index.html

Eligible facilities of similar size, operations and ability to participate will be treated in a fair and consistent manner in respect to participation under this schedule.

(continued)

ELECTRIC SERVICE SCHEDULE NO. 140 - Continued

QUALIFYING MEASURE: Qualifying measures are any measures which, when installed in an eligible facility, result in verifiable electric energy efficiency improvement compared to a baseline as determined by the Company. The baseline will be determined with reference to existing equipment, applicable state or federal energy or building codes, industry standard practice and other relevant factors.

QUALIFYING ENERGY MANAGEMENT: Operational improvements which, when implemented in an eligible facility, result in electric energy savings compared to current operations as determined by the Company.

MINIMUM EQUIPMENT EFFICIENCY: Retrofit Energy Efficiency Projects must meet minimum equipment efficiency levels and equipment eligibility requirements in the Tables below to be eligible for an Incentive or monthly Bill Credit available under the Schedule.

PRIOR ENERGY SERVICE PAYMENT PROGRAM PARTICIPATION REQUIREMENTS: This tariff does not affect Energy Service Charges currently outstanding. All obligations including those pursuant to an executed Energy Services Agreement shall remain in effect until the Energy Efficiency Payment with interest is repaid in full.

GENERAL RULES AND PROVISIONS:

1. Service under this Schedule will be in accordance with the terms of the Electric Service Agreement between the Customer and the Company. The Company may establish specifications regarding electric efficiency or energy management measures to be affected under this schedule, and may conduct inspections and/or verification to insure that such specifications are met.
2. Detailed program descriptions, Frequently Asked Questions, Qualifying Equipment or Services, incentive amounts, application forms and participation procedures are accessible through the program's website at www.wattsmart.com.
3. "Up to" amounts represent the minimum/maximum range approved by the Commission. Actual offered incentives within their respective minimum/maximum ranges are posted on the program's website. "Up to" amounts may change within their minimum/maximum ranges with a minimum 45 days' notice, which will be prominently displayed on the program website and will be communicated to participating retailers, distributors, and Trade Allies.
4. Offered incentive amounts may be capped at a percentage of qualifying equipment cost. Qualifying equipment costs are subject to Company approval.
5. Qualified equipment lists and other eligibility criteria are posted on the Utah energy efficiency program section of the Company's website.
~~3.~~6. Incentives included in the mid-market incentive tables are available through Company-approved retailers/distributors or a customer application process.

(continued)

ELECTRIC SERVICE SCHEDULE NO. 140 - Continued

Table 1a - Lighting System Retrofits

Measure	Category		Maximum Incentive "up to"
Lighting System Retrofit	Interior Lighting	Prescriptive	See Mid-Market
		Non-Prescriptive	$1.50/W Reduced
	Exterior Lighting	Prescriptive	See Mid-Market
		Non-Prescriptive	$0.75/W Reduced
	Controls-Only		$0.80/W Controlled
	Custom		$0.85/W Reduced

Table 1b – New Construction/Major Renovation Lighting Incentives

Measure	Category	~~Eligibility Requirements~~	Incentive "up to"
Interior Lighting	Troffer	~~Product must meet program requirements and be listed on qualified equipment list.~~	$10/Fixture
	Linear Ambient		$10/Fixture
	Highbay		$20/Fixture
	Other (not listed above)		$0.50/Fixture Wattage
	Advanced Lighting Controls		$0.80/W controlled~~**~~
Exterior Lighting	Advanced Lighting Controls		$0.40/W controlled~~**~~

~~** Lighting controls required by the applicable version of the state energy code are not eligible for incentives.~~

Table 2 - Motor Incentives

Equipment Type	~~Size Category~~	~~Sub-Category~~	~~Minimum Efficiency Requirement~~	Incentive "up to"
Electronically Commutated Motor ~~(ECM) – Retrofit Only~~	~~≤ 1 horsepower~~	~~Refrigeration application~~	~~–~~	$~~0.50~~1/watt or $50/horsepower based on application
		~~HVAC application~~	~~–~~	~~$50/horsepower~~
Variable - Frequency Drives ~~(HVAC fans and pumps)~~	~~≤ 100 horsepower~~	~~HVAC fans and pumps~~	~~See Note 2~~	$65/horsepower
Green Motor Rewinds	~~≥ 15 and ≤ 5,000 horsepower~~	~~–~~	~~Must meet GMPG Standards~~	$1/horsepower ~~Refer to Note 3~~

(continued)

ELECTRIC SERVICE SCHEDULE NO. 140 - Continued

Table 3a – HVAC Incentives

Equipment Type	~~Category~~	~~Minimum Efficiency Requirements~~	Customer Incentive "up to"
Unitary Commercial Air Conditioners	~~Air-Cooled – Split Systems Only~~	~~As defined in CEE Commercial Unitary Air-conditioning and Heat Pumps Specification~~	$75/ton
	~~Water Cooled~~	~~As defined in CEE Commercial Unitary Air-conditioning and Heat Pumps Specification~~	~~$75/ton~~
	~~Evaporatively Cooled~~	~~As defined in CEE Commercial Unitary Air-conditioning and Heat Pumps Specification~~	~~$75/ton~~
Packaged Terminal Air Conditioners (PTAC)	~~≤ 8,000 Btu/hr~~	~~12.2 EER~~	$25/ton
	~~> 8,000 Btu/hr and < 10,500 Btu/hr~~	~~11.9 EER~~	
	~~≥ 10,500 Btu/hr and ≤ 13,500 Btu/hr~~	~~10.7 EER~~	
	~~> 13,500 Btu/hr~~	~~9.9 EER~~	
Packaged Terminal Heat Pumps (PTHP) (Heating & Cooling Mode)	~~≤ 8,000 Btu/hr~~	~~12.2 EER and 3.4 COP~~	$50/ton
	~~> 8,000 Btu/hr and < 10,500 Btu/hr~~	~~11.5 EER and 3.3 COP~~	
	~~≥ 10,500 Btu/hr and ≤ 13,500 Btu/hr~~	~~10.7 EER and 3.1 COP~~	
	~~> 13,500 Btu/hr~~	~~9.8 EER and 3.0 COP~~	
Unitary Commercial Heat Pumps ~~(See Note 3)~~	~~Air-Cooled~~	~~As defined in CEE Commercial Unitary Air-conditioning and Heat Pumps Specification~~	$75/ton
	~~Water Cooled~~	~~As defined in CEE Commercial Unitary Air-conditioning and Heat Pumps Specification~~	~~$75/ton~~
	~~Ground Source~~	~~As defined in ENERGY STAR Program Requirements for Geothermal Heat Pumps~~	~~$50/ton~~
	~~Groundwater Source~~	~~As defined in ENERGY STAR Program Requirements for Geothermal Heat Pumps~~	~~$50/ton~~
Heat Pump Loop ~~(See Note 7)~~	~~Ground Source, Closed Loop~~	~~–~~	$25/ton
	~~Groundwater Source, Open Loop~~	~~–~~	~~$25/ton~~
Variable Refrigerant Flow Heat Pumps	~~Air Cooled~~	~~As defined in CEE Commercial Unitary Air-conditioning and Heat Pumps Specification~~	$150/ton
	~~Water Cooled~~		~~$150/ton~~

~~**Notes for Table 1a:**~~

~~1. To be eligible for the incentives listed, the new lighting system must use less energy than the existing lighting system replaced or the baseline lighting system as determined by the Company.~~

(continued)

ELECTRIC SERVICE SCHEDULE NO. 140 - Continued

~~2. Incentives are capped at 70 percent of Energy Efficiency Project Costs and will not be available to reduce the Energy Efficiency Project simple payback below one year. Energy Efficiency Project costs are subject to Company approval.~~

~~3. Eligible retrofit lighting equipment is defined in qualified equipment lists posted on the Utah energy efficiency program section of the Company's website.~~

~~4. The prescriptive category refers to offerings within the Mid-Market lighting table. The non-prescriptive category refers to lighting system upgrades not offered within the Mid-Market lighting table.~~

(continued)

ELECTRIC SERVICE SCHEDULE NO. 140 - Continued

Notes for Table 2:

1. Equipment that meets or exceeds the efficiency requirements listed for the equipment category in the above table may qualify for the listed incentive.
2. Throttling or bypass devices, such as inlet vanes, bypass dampers, three-way valves, or throttling valves must be removed or permanently disabled to qualify for HVAC fan or pump VFD incentives. VFDs required by or used to comply with the applicable version of the energy code are not eligible for incentives. Savings will only be realized for installations where a variable load is present.
3. For Green Motor Rewinds, the participating electric motor service center is paid $2/horsepower for eligible Green Motor Rewinds. A minimum of $1/horsepower is paid by the service center to the Customer as a credit on the motor rewind invoice. The balance is retained by the service center. Green Motor Rewind motors that are installed or placed in inventory may qualify for an incentive.

ECM = Electronically Commutated Motor
GMPG = Green Motors Practices Group
HVAC = Heating, Ventilation and Air Conditioning
NEMA = National Electrical Manufacturer's Association
VFD = Variable Frequency Drive

Issued by authority of Report and Order of the Public Service Commission of Utah in Advice No. 19-0120-07

FILED: April 25, 2019September 2, 2020 **EFFECTIVE**: April 23, 2019October 2, 2020

ELECTRIC SERVICE SCHEDULE NO. 140 - Continued

~~**Table 3a – HVAC Incentives (Continued)**~~

~~**Notes for table 3a - HVAC equipment incentive table**~~

1. ~~Equipment that meets or exceeds the efficiency requirements listed for the size category in the above table may qualify for the listed incentive. Equipment must meet all listed efficiency requirements to qualify for the listed incentives.~~
2. ~~PTHPs can replace electric resistive heating, which must be removed.~~
3. ~~Incentives for heat pumps are available per ton of cooling capacity ONLY. No incentives are paid per ton of heating capacity. Heat Pumps must meet both the cooling mode and heating mode efficiency requirements to qualify for per ton cooling efficiency incentives.~~
4. ~~Equipment size categories and capacities are specified in terms of net cooling capacity at AHRI standard conditions as determined by AHRI Standard 210/240 for units <65,000 Btu/hr, AHRI Standard 340/360 for units ≥65,000 Btu/hr, AHRI Standard 310/380 for PTAC and PTHP units, and AHRI Standard 1230 for VRF systems.~~
5. ~~Ground and Water Source Heat Pumps must meet or exceed listed efficiency requirements when rated in accordance with ISO-13256-1 to qualify for the listed incentive.~~
6. ~~Efficiency requirements align with the Unitary Air Conditioning and Heat Pump Specification maintained by the Consortium for Energy Efficiency for equipment with heating sections other than electric resistance. CEE minimum efficiency requirements are listed on the Company website.~~

~~**AHRI** = Air-Conditioning, Heating, and Refrigeration Institute~~
~~**CEE** = Consortium for Energy Efficiency~~
~~**COP** = Coefficient of Performance~~
~~**EER** = Energy Efficiency Ratio~~
~~**HSPF** = Heating Seasonal Performance Factor~~
~~**HVAC** = Heating, Ventilation and Air Conditioning~~
~~**IEER** = Integrated Energy Efficiency Ratio~~
~~**IPLV** = Integrated Part Load Value~~
~~**PTAC** = Packaged Terminal Air Conditioner~~
~~**PTHP** = Packaged Terminal Heat Pump~~
~~**SEER** = Seasonal Energy Efficiency Ratio~~
~~**VFR** = Variable Refrigerant Flow~~

(continued)

ELECTRIC SERVICE SCHEDULE NO. 140 - Continued

Table 3b –Other HVAC Incentives

Equipment Type	~~Size Category~~	~~Sub-Category~~	~~Minimum Efficiency Requirement~~	Incentive "up to"
Evaporative Cooling	~~All sizes~~	~~Direct or Indirect~~		$0.06/ CFM
Indirect-Direct Evaporative Cooling (IDEC)	~~All sizes~~	~~--~~	~~Applicable system components must exceed minimum efficiencies required by energy code~~	$0.15/kWh annual energy savings ~~See Note 2~~
Chillers	~~All except chillers intended for backup service only~~	~~Serving primarily occupant comfort cooling loads (no more than 20% for process cooling loads)~~	~~Must exceed minimum efficiencies required by energy code~~	$0.15/kWh annual energy savings ~~See Note 3~~
365/366 day Programmable or Occupancy-based Thermostat	~~All sizes in portable classrooms with mechanical cooling~~	~~Must be installed in portable classroom unoccupied during summer months~~	~~365/366 day thermostatic or occupancy based setback capability~~	$150/thermostat
Occupancy Based PTHP/PTAC control	~~All sizes with no prior occupancy based control~~		~~See Note 4~~	$50/controller
Evaporative Pre-cooler (Retrofit Only)		~~For single air-cooled packaged rooftop or matched split system condensers only~~	~~Minimum performance efficiency of 75%. Must have enthalpy controls to control pre-cooler operation. Water supply must have chemical or mechanical water treatment.~~	$75/ton of attached cooling capacity ~~(See Note 5)~~
Advanced Rooftop Unit Control (Retrofit)	~~≥ 5 tons and ≤ 10 tons~~	~~Must be installed on existing unitary packaged rooftop units (no split-systems), ≥ 5 tons nominal cooling capacity with constant speed supply fans.~~	~~Controls must include:~~ ~~- Either a supply fan VFD or multi-speed supply fan motor with controller that meets ventilation and space conditioning needs~~ - ~~Digital, integrated economizer control~~	~~$2,000~~
	~~> 10 tons and ≤ 15 tons~~			~~$2,800~~
	~~> 15 tons and ≤ 20 tons~~			~~$4,000~~
	~~> 20 tons~~			$4,500
Advanced Rooftop Unit Control (New RTU)	~~≥ 5 tons and ≤ 10 tons~~	~~Must be installed unitary packaged rooftop units (no split-systems), ≥ 5 tons nominal cooling capacity.~~ ~~See Note 7.~~	~~Controls must include:~~ ~~- Either a supply fan VFD or multi-speed supply fan motor with controller that meets ventilation and space conditioning needs~~ - ~~Digital, integrated economizer control~~	~~$1,400~~
	~~> 10 tons and ≤ 15 tons~~			~~$2,000~~
	~~> 15 tons and ≤ 20 tons~~			~~$2,800~~
	~~> 20 tons~~			~~$3,200~~$2,800
Advanced Rooftop Unit Control (DCV Only)	~~≥ 5 tons and ≤ 10 tons~~	~~Must be installed unitary packaged rooftop units (no split-systems), ≥ 5 tons nominal cooling capacity.~~	~~Controls must include digital, integrated economizer control with either an existing supply fan VFD or an existing multi-speed supply fan motor and controller that meets ventilation and space conditioning needs~~	~~$500~~
	~~> 10 tons and ≤ 15 tons~~			~~$600~~
	~~> 15 tons and ≤ 20 tons~~			~~$700~~
	~~> 20 tons~~			$800

(continued)

ELECTRIC SERVICE SCHEDULE NO. 140 - Continued

Table 4a – Building Envelope Incentives (Retrofit)

Equipment Type	~~Category~~	~~Minimum Efficiency Requirement~~	Incentive "up to"
Cool Roof	~~–~~	~~ENERGY STAR Qualified~~	$0.10/square foot
Roof/Attic Insulation	~~–~~	~~Minimum increment of R-10 insulation added~~	$0.05/square foot
Wall Insulation	~~–~~	~~Minimum increment of R-10 insulation added~~	$0.07/square foot
Windows ~~(See Note 3, 4)~~	~~Site-Built~~	~~U-Factor ≤ 0.30 and SHGC ≤ 0.33 (Glazing Only Rating)~~	~~$0.35/square foot~~
	~~Assembly~~	~~U-Factor ≤ 0.30 and SHGC ≤ 0.33 (Entire Window Assembly Rating)~~	$0.35/square foot
Window Film	~~Existing Windows~~	~~See Note 5~~	$0.15/kWh annual energy savings ~~(See Note 5)~~

Table 4b – Building Envelope Incentives (New Construction/Major Renovation)

Equipment Type	~~Category~~	~~Minimum Efficiency Requirement~~	Incentive "up to"
Cool Roof	~~–~~	~~ENERGY STAR Qualified~~	$0.10/square foot
Roof/Attic Insulation	~~–~~	~~Minimum increment of R-5 insulation above code (See Note 5)~~	$0.05/square foot
Wall Insulation	~~–~~	~~Minimum increment of R-3.7 continuous insulation above code (See Note 5)~~	$0.07/square foot
Windows ~~(See Note 3, 4)~~	~~Site-Built~~	~~U-Factor ≤ 0.30 and SHGC ≤ 0.33 (Glazing Only Rating)~~	~~$0.35/square foot~~
	~~Assembly~~	~~U-Factor ≤ 0.30 and SHGC ≤ 0.33 (Entire Window Assembly Rating)~~	$0.35/square foot

(continued)

ELECTRIC SERVICE SCHEDULE NO. 140 - Continued

~~**Table 3b - Other HVAC Incentives (Continued)**~~

~~**Notes for Table 3b**~~

1. ~~Equipment that meets or exceeds the efficiency requirements listed for the equipment category in the above table may qualify for the listed incentive.~~
2. ~~Incentives paid at $0.15/kWh annual energy savings. IDEC energy savings subject to approval by the Company.~~
3. ~~Incentives paid at $0.15/kWh annual energy savings. Chiller energy savings subject to approval by the Company.~~
4. ~~Controller units must include an occupancy based control and include the capability to set back the zone temperature during extended unoccupied periods and set up the temperature once the zone is occupied.~~
5. ~~Incentives for Evaporative Pre-coolers are capped at 70 percent of Energy Efficiency Project Costs and incentives will not be available to reduce the Energy Efficiency Project simple payback below one year. Energy Efficiency Project Costs are subject to Rocky Mountain Power approval.~~

~~**CFM** = Cubic Feet per Minute~~
~~**HVAC** = Heating, Ventilating and Air Conditioning~~
~~**IDEC** = Indirect Direct Evaporative Cooling~~
~~**PTAC** = Packaged Terminal Air Conditioner~~
~~**PTHP** = Packaged Terminal Heat Pump~~

(continued)

ELECTRIC SERVICE SCHEDULE NO. 140 - Continued

~~Table 4a – Building Envelope Incentives (Retrofit) (Continued)~~

~~Notes for Table 4a:~~

1. ~~Equipment that meets or exceeds the efficiency requirements listed for the equipment category in the above table may qualify for the listed incentive.~~
2. ~~Building must be conditioned with mechanical cooling to be eligible for envelope incentives.~~
3. ~~Energy performance of window assemblies and glazing products must be rated in accordance with NFRC. Site-Built metal window systems must include a thermal break within the frame or other appropriate NFRC certification to qualify for incentives. Skylights are not eligible to receive the incentives in the above table.~~
4. ~~Window square footage is determined by the dimensions of the entire window assembly, not just the window glass.~~
5. ~~Incentives for window film are calculated based on film specifications and window orientation at $0.15/kWh annual energy savings. Energy savings are subject to approval by the Company.~~

~~NFRC = National Fenestration Rating Council~~
~~SHGC = Solar Heat Gain Coefficient~~

~~Notes for Table 4b:~~

1. ~~Equipment that meets or exceeds the efficiency requirements listed for the equipment category in the above table may qualify for the listed incentive.~~
2. ~~Building must be conditioned with mechanical cooling to be eligible for envelope incentives.~~
3. ~~Energy performance of window assemblies and glazing products must be rated in accordance with NFRC. Site-Built metal window systems must include a thermal break within the frame or other appropriate NFRC certification to qualify for incentives. Skylights are not eligible to receive the incentives in the above table.~~
4. ~~Window square footage is determined by the dimensions of the entire window assembly, not just the window glass.~~
5. ~~Compliance with the minimum efficiency requirements of Roof/Attic and Wall Insulation measures may be demonstrated with equivalent U-factors and is subject to approval by the Company.~~

~~NFRC = National Fenestration Rating Council~~
~~SHGC = Solar Heat Gain Coefficient~~

(continued)

ELECTRIC SERVICE SCHEDULE NO. 140 - Continued

Table 5 – Food Service Equipment Incentives

Equipment Type	~~Equipment Category~~	~~Minimum Efficiency Requirement~~	Incentive/Unit "up to"
Residential Dishwasher	~~Used in a Business~~	~~See Home Energy Savings Program~~	See offering in Schedule 111.~~Note 2~~
Commercial Dishwasher ~~(High Temperature models w/ electric boosters only)~~	~~Undercounter~~	~~ENERGY STAR Qualified~~	~~$100~~
	~~Stationary Rack, Single Tank, Door Type~~		~~$400~~
	~~Single Tank Conveyor~~		$1,000
	~~Multiple Tank Conveyor~~		~~$500~~
Electric Insulated Holding Cabinet	~~V ≥ 28 (Full Size)~~	~~ENERGY STAR Qualified~~	$700
	~~13 ≤ V < 28 (3/4 Size)~~		~~$300~~
	~~V < 13 (1/2 Size)~~		~~$200~~
Electric Steam Cooker	~~3-, 4-, 5- and 6-pan or larger sizes - Tier 2~~All sizes	~~ENERGY STAR Qualified w/ Heavy Load Efficiency ≥ 68%~~	$300
Electric Convection Oven	~~Full Size~~	~~ENERGY STAR Qualified~~	~~$200~~$350
Electric Fryer	~~Width < 18 inches (Standard)~~	~~ENERGY STAR Qualified~~	$300
	~~Width ≥ 18 inches (Large)~~		
Electric Griddle	~~All sizes~~	~~ENERGY STAR Tier 2 Qualified~~	$150
Electric Combination Oven	~~6-15~~≤ 15 ~~pans~~	~~ENERGY STAR Qualified~~	$1,000
	~~16-20~~16-28 ~~pans~~	~~ENERGY STAR Qualified~~	~~$275~~
Ice Machines ~~(Air-Cooled Only)~~	~~Tier 1: Harvest Rate < 500 lbs/day~~	~~ENERGY STAR Qualified~~	~~$125~~
	~~Tier 1: Harvest Rate ≥ 500 lbs/day~~		$150
Residential Refrigerator	~~Used in a Business~~	~~See Home Energy Savings Program~~	See offering in Schedule 111.~~Note 2~~
Residential Freezer	~~Used in a Business~~		See offering in Schedule 111.

(continued)

ELECTRIC SERVICE SCHEDULE NO. 140 - Continued

Table 5 – Food Service Equipment Incentives (Continued)

Equipment Type	~~Equipment Category~~	~~Minimum Efficiency Requirement~~	Incentive/Unit "up to"
Commercial Transparent Door Refrigerator	~~0 < V < 15~~	~~ENERGY STAR Qualified~~	~~$25~~
	~~15 ≤ V < 30~~		~~$50~~
	~~30 ≤ V < 50~~		~~$75~~
	~~50 ≤ V~~		$125
	~~Chest Configuration~~		~~$50~~
Commercial Transparent Door Freezer	~~0 < V < 15~~	~~ENERGY STAR Qualified~~	~~$25~~
	~~15 ≤ V < 30~~		~~$50~~
	~~30 ≤ V < 50~~		~~$75~~
	~~50 ≤ V~~		~~$100~~
	~~Chest Configuration~~		$100
Demand Controlled Kitchen Ventilation Exhaust Hood (Retrofit Only)	~~Must be installed on commercial kitchen exhaust system.~~	~~Variable speed motors must be controlled to vary fan speed depending upon kitchen demand, as indicated by connected sensors.~~	$0.15/kWh annual energy savings ~~(See note 3)~~
Anti-Sweat Heater Controls (Retrofit Only)	~~Low Temp (Freezing) Cases~~	~~Controls that reduce energy consumption of anti-sweat heaters based on sensing humidity.~~	$20/linear foot (case length)
	~~Med Temp (Refrigerated) Cases~~		~~$16/linear foot (case length)~~

Table 6 – Office Equipment Incentives

Equipment Type	~~Minimum Efficiency Requirements~~	Incentive "up to"
Smart Plug Strip	~~1. Incentive applies to any plug strip~~ on Qualified Product List ~~that eliminates idle or stand-by power consumption of connected plug-load appliance through the use of an occupancy sensor, electric load sensor, or timer.~~ ~~2. Applies only to electric plug-load applications (e.g. computer monitors, desk lamps, etc.)~~	$~~1~~5/qualifying unit

Table 7 – Appliance Incentives

Equipment Type	Equipment Category	Minimum Efficiency Requirement	Incentive "up to"
High-Efficiency Clothes Washer	Residential (used in a business)	~~See Home Energy Savings Program~~	See offering in Schedule 111.~~Note 3~~
	Commercial ~~(must have electric water heating and/or electric clothes dryer)~~	~~ENERGY STAR Qualified~~	$100

(continued)

ELECTRIC SERVICE SCHEDULE NO. 140 - Continued

Heat Pump Water Heater	Residential (used in a business)	~~See Home Energy Savings Program~~	See offering in Schedule 111.

ELECTRIC SERVICE SCHEDULE NO. 140 - Continued

~~**Notes for Table 5:**~~

~~1. Equipment that meets or exceeds the efficiency requirements listed for the equipment category in the above table may qualify for the listed incentive.~~
~~2. Refer to Company's Home Energy Savings program for efficiency requirements and incentives for listed residential appliances used in a business.~~
~~3. Incentives are paid at $0.15/kWh annual energy savings. Demand controlled kitchen ventilation exhaust hood energy savings subject to approval by Company.~~

~~**CEE** = Consortium for Energy Efficiency~~
~~**MDEC** = Maximum Daily Energy Consumption~~
~~**V** = Association of Home Appliance Manufacturers (AHAM) Volume (cubic feet)~~

~~**Notes for Table 6:**~~

~~1. Equipment that meets or exceeds the efficiency requirements listed for the equipment category in the above table may qualify for the listed incentive.~~

~~**Notes for Table 7:**~~

~~1. Equipment that meets or exceeds the efficiency requirements listed for the equipment category in the above table may qualify for the listed incentive.~~
~~2. Equipment must meet the efficiency rating standard that is in effect on the date of purchase.~~
~~3. Refer to Company's Home Energy Savings program for efficiency requirements and incentives for listed residential appliances used in a business.~~

Table 8a - Irrigation Incentives – Measures for Wheel Line, Hand Line, or Other Portable Systems (Retrofit Only)

Irrigation Measure	~~Replace~~	~~With~~	~~Limitations~~	Incentive "up to"
New rotating sprinkler replacing worn or leaking impact or rotating sprinkler	~~Leaking or malfunctioning impact or rotating sprinkler~~	~~Rotating sprinkler~~	~~1. Fixed-in-place (solid set) systems not eligible.~~ ~~2. Incentive limited to two sprinklers per irrigated acre.~~	$2.50 each
New or rebuilt impact sprinkler replacing worn or leaking impact sprinkler	~~Leaking or malfunctioning impact sprinkler~~	~~New or rebuilt impact sprinkler~~	~~1. New nozzle shall be included in new or rebuilt sprinkler.~~ ~~Rebuilt sprinkler shall meet or exceed manufacturer's specifications.~~ ~~2. Fixed-in-place (solid set) systems not eligible.~~ ~~3. Incentive limited to two sprinklers per irrigated acre.~~	$2.25 each
New nozzle replacing worn nozzle of same design flow or less on existing sprinkler	~~Worn nozzle~~	~~New nozzle of same design flow or less~~	~~1. Flow rate shall not be increased.~~ ~~2. All nozzles on the wheel line or hand line shall be replaced.~~ ~~3. Fixed-in-place (solid set) systems not eligible.~~	$0.50 each

(continued)

ELECTRIC SERVICE SCHEDULE NO. 140 - Continued

			~~4. Incentive limited to two nozzles per irrigated acre.~~	
~~New flow control nozzle for impact sprinkler replacing existing nozzle or worn flow control nozzle of same design flow or less~~	~~Worn nozzle~~	~~New flow control nozzle~~	~~1. Nozzle to be replaced may be fixed orifice or flow control type.~~ ~~2. New flow control nozzle shall have a flow rating equal to or less than the flow rating of the existing nozzles at 40 psi.~~ ~~3. All nozzles on the wheel line or hand line shall be replaced.~~ ~~4. Fixed in place (solid set) systems not eligible.~~ ~~5. Incentive limited to two nozzles per irrigated acre.~~	~~$2.75 each~~
New gasket replacing leaking gasket~~,~~ ~~including mainline valve or section gasket, seal, or riser cap (dome disc)~~	~~Leaking gasket~~	~~New gasket, including mainline valve or section gasket, seal, or riser cap (dome disc)~~	~~1. New gasket must replace leaking gasket.~~ ~~2. Fixed in place (solid set) systems not eligible.~~ ~~3. Incentive limited to two gaskets per irrigated acre.~~	$2 each
New drain replacing leaking drain	~~Leaking drain~~	~~New drain, including drains on pivots and linears~~	~~1. New drain must replace leaking drain.~~ ~~2. Fixed in place (solid set) systems not eligible.~~ ~~3. Incentive limited to two drains per irrigated acre.~~	$3 each

Table 8a - Irrigation Incentives – Measures for Wheel Line, hand Line, or Other Portable Systems (Retrofit Only) (Continued)

Irrigation Measure	~~Replace~~	~~With~~	~~Limitations~~	Incentive "up to"
Cut and press or weld repair of leaking wheel line, hand line, or portable main line	~~Leak in wheel line, hand line, or portable main line~~	~~Cut and pipe press or weld repair~~	~~For rebuilds, invoice must show number of rebuild kits purchased and installed.~~	$10/repair
New or rebuilt wheel line leveler replacing leaking or malfunctioning leveler	~~Leaking or malfunctioning leveler~~	~~New or rebuilt leveler~~	~~1. Applies to leaking or malfunctioning levelers only.~~ ~~2. For rebuilds, invoice must show number of rebuild kits purchased and installed.~~	$3 each
~~New or rebuilt wheel line feed hose replacing leaking wheel line feed hose~~	~~Leaking wheel line feed hose~~	~~New or rebuilt wheel line feed hose~~	~~1. Applies to leaking wheel line feed hose only.~~ ~~2. For rebuilds, invoice must show number of rebuild kits purchased and installed.~~	~~$12 each~~
~~New Thunderbird wheel line hub replacing leaking wheel line hub~~	~~Leaking Thunderbird wheel line hub~~	~~New Thunderbird wheel line hub~~	~~New hub must replace leaking hub~~	~~$10 each~~

Table 8b - Irrigation Incentives – Measures for Pivots and Linear Systems (Retrofit Only)

(continued)

ELECTRIC SERVICE SCHEDULE NO. 140 - Continued

Irrigation Measure	~~Replace~~	~~With~~	~~Limitations~~	Incentive "up to"
Pressure regulator replacing new pressure regulator of same design pressure or less	~~Worn pressure regulator~~	~~New pressure regulator of same design pressure or less~~	~~New regulator must be of same design pressure or less~~	$3 each
Low pressure sprinkler ~~(e.g. rotating, wobbling, multi-trajectory spray)~~ replacing impact sprinkler	~~Impact sprinkler~~	~~New low pressure sprinkler (on-board nozzle is considered part of sprinkler, not a separate item with additional incentive)~~	~~New sprinkler is of same design flow or less~~	$3 each
Low pressure sprinkler ~~(e.g. rotating, wobbling, multi-trajectory spray)~~ replacing worn low pressure sprinkler	~~Worn low pressure sprinkler (e.g. rotating, wobbling, multi-trajectory spray)~~	~~New low pressure sprinkler (on-board nozzle is considered part of sprinkler, not a separate item with additional incentive)~~	~~New sprinkler is of same design flow or less~~	$1.50 each
~~Gooseneck as part of conversion to low pressure system~~		~~New gooseneck as part of conversion to low pressure system~~	~~Gooseneck shall be used to convert existing center pivot with sprinkler equipment mounted on top of the pivot to low pressure sprinklers with regulators on new drop tubes.~~	~~$0.50 per outlet~~

Table 8c - Irrigation Incentives – Measures for Any Type of System (Retrofit or New Construction, Including Non-Agricultural Irrigation Applications)

Irrigation Measure	~~Replace~~	~~With~~	~~Limitations~~	Incentive "up to"
Irrigation pump variable frequency drive~~VFD~~ added to existing or new irrigation pump		~~Add variable frequency drive to existing or new irrigation pump~~	~~1. Pumps serving any type of irrigation water transport or distribution system are eligible – wheel lines, hand lines, pivots, linears, fixed-in-place (solid set).~~ ~~2. Both retrofit and new construction projects are eligible.~~	$0.15/kWh annual savings

Table 9 – Farm and Dairy Equipment Incentives

Equipment Type	~~Equipment Category~~	~~Minimum Efficiency Requirements~~	Incentive "up to"

(continued)

ELECTRIC SERVICE SCHEDULE NO. 140 - Continued

~~Automatic Milker Takeoff (Retrofit Only)~~	~~--~~	~~Equipment must be able to sense milk flow and remove milker when flow reaches a pre-set level. The vacuum pump serving the affected milking units must be equipped with a VFD. Incentive is available for adding automatic milker takeoffs to existing milking systems, not for takeoffs on a brand new system where there were none before. Replacement of existing automatic milker takeoffs is not eligible for this listed incentive, but may qualify for a Custom Energy Efficiency incentive.~~	~~$235 each~~
~~Agricultural Engine Block Heater Timer~~	~~--~~	~~Timer must be a UL-listed device and rated for a minimum of 15 amps continuous duty.~~	~~$10 each~~
High-efficiency Circulating fan ~~(See Note 2)~~	~~12-23" Diameter~~	~~Fan must achieve an efficiency level of 11 cfm/W~~	~~$25/fan~~
	~~24-35" Diameter~~	~~Fan must achieve an efficiency level of 18 cfm/W~~	~~$35/fan~~
	~~36-47" Diameter~~	~~Fans must achieve an efficiency level of 18 cfm/W~~	~~$50/fan~~
	~~≥48" Diameter~~	~~Fans must achieve an efficiency level of 25 cfm/W~~	$75/fan
Heat Recovery	~~--~~	~~Heat recovery unit must use heat rejected from milk cooling refrigeration system to heat water. Customer must use electricity for water heating.~~	$0.15/kWh annual energy savings
High-efficiency Ventilation Fan ~~(See Note 2)~~	~~12-23" Diameter~~	~~Fan must achieve an efficiency level of 11 cfm/W~~	~~$45/fan~~
	~~24-35" Diameter~~	~~Fan must achieve an efficiency level of 13 cfm/W~~	~~$75/fan~~
	~~36-47" Diameter~~	~~Fan must achieve an efficiency level of 17 cfm/W~~	~~$125/fan~~
	~~≥48" Diameter~~	~~Fan must achieve an efficiency level of 19.5 cfm/W~~	$150/fan
Milk Pre-cooler (Retrofit Only)	~~--~~	~~The equipment must cool milk with well-water before it reaches the bulk cooling tank. New construction not eligible.~~	$0.15/kWh annual energy savings
Programmable Ventilation Controllers	~~--~~	~~The controller must control ventilation fans based on temperature or other applicable factors such as humidity, odor concentration, etc.~~	$20/fan controlled

(continued)

ELECTRIC SERVICE SCHEDULE NO. 140 - Continued

Variable Frequency Drives for Dairy Vacuum Pumps (Retrofit Only)	~~--~~	~~VFD must vary motor speed based on target vacuum level. Incentive available for retrofit only. New construction and replacement of existing VFD not eligible.~~	$165/horsepower

ELECTRIC SERVICE SCHEDULE NO. 140 - Continued

Table 8b – Irrigation Incentives – Measures for Pivots and Linear Systems (Retrofit Only) (continued)

Irrigation Measure	Replace	With	Limitations	Incentive "up to"
Drop tube (3 ft minimum length)	Leaking drop tube	New drop tube (3 ft minimum length) OR add drop tube as part of conversion to low pressure system	Drop tube or hose extension shall extend below the pivot lower brace or shall be a minimum of 3 ft in length, whichever is greater.	$2 per drop tube
New center pivot base boot gasket replacing leaking base boot gasket	Leaking center pivot base boot gasket	New center pivot base boot gasket	1. Gasket shall replace leaking gasket at the pivot point of the center pivot. 2. No more than one gasket shall be claimed per pivot.	$125 each
New tower gasket replacing leaking tower gasket	Leaking tower gasket	New tower gasket	New gasket shall replace leaking tower gasket.	$4 each

Notes for Irrigation Incentive Tables:

1. Equipment that meets or exceeds the requirements listed above may qualify for the listed incentive.
2. Except for the pump VFD measure, incentives listed here are available only for retrofit projects where new equipment replaces existing equipment (i.e. new construction is not eligible).
3. Except for the pump VFD measure, equipment installed in fixed-in-place (solid set) systems is not eligible. Incentive is limited to two units per irrigated acre.
4. Incentives are capped at 70 percent of Energy Efficiency Costs, and incentives will not be available to reduce the Energy Efficiency Project simple payback below one year. Energy savings and Energy Efficiency Project Costs are subject to Company approval.

VFD = Variable Frequency Drive

(continued)

ELECTRIC SERVICE SCHEDULE NO. 140 - Continued

~~**Notes for Table 9:**~~

~~1. Equipment that meets or exceeds the efficiency requirements above may qualify for the listed incentive.~~
~~2. Fan performance must be rated by an independent testing body in accordance with the appropriate ANSI/AMCA standards.~~
~~3. Incentives are capped at 70 percent of Energy Efficiency Project Costs and incentives will not be available to reduce Energy Efficiency Project simple payback below one year. Energy savings and Energy Efficiency Project Costs are subject to Company approval.~~
~~4. Except where noted, all equipment listed in the table is eligible for incentives in both new construction and retrofit projects.~~

~~**AMCA** = Air Movement and Control Association International, Inc.~~
~~**ANSI** = American National Standards Institute~~
~~**cfm** = cubic feet per minute~~
~~**VFD** = Variable Frequency Drive~~
~~**W** = watt~~

Table 10 – Compressed Air Incentives

Equipment Category	~~Replace~~	~~With~~	~~Limitations~~	~~Unit~~	Incentive "up to"
Low Pressure Drop Filter Replacement	~~Standard coalescing filter~~	~~Low Pressure drop filter where: 1.Pressure loss at rated flow is ≤1 psi when new and ≤3 psi at element change. 2. Particulate filtration is 100% at ≥3.0 microns and 99.98% at 0.1 to 3.0 microns, with ≤ 5ppm liquid carryover. 3. Filter is of deep-bed "mist eliminator" style, with element life ≥ 5 years. 4. Rated capacity of filter is ≤ 500 scfm.~~	~~1. Compressor system must be ≥ 25 hp and ≤ 75 hp. 2. Compressor discharge pressure setpoint must be reduced by 2 psi or more after installation of low pressure drop filter.~~	~~scfm~~	$2/scfm
Receiver Capacity Addition	~~Limited or no receiver capacity (≤ 2 gallons per scfm of trim compressor capacity)~~	~~Total receiver capacity after addition must be > 2 gallons per scfm of trim compressor capacity~~	~~1. Compressor system size ≤ 75 horsepower, not counting backup compressor(s). 2. Trim compressor must use load/unload control, not inlet modulation or on/off control. 3. Systems with VFD compressor or using variable displacement compressor as trim compressor are not eligible.~~	~~gal~~	$3/gal above 2 gallons per scfm

ELECTRIC SERVICE SCHEDULE NO. 140 - Continued

Cycling Refrigerated Dryer	~~Non-cycling refrigerated dryer~~	~~Cycling refrigerated dryer~~	~~1. Rated dryer capacity must be ≤ 500 scfm.~~ ~~2. Dryer must operate exclusively in cycling mode and cannot be equipped with the ability to select between cycling and non-cycling mode.~~ ~~3. Refrigeration compressor must cycle off during periods of reduced demand.~~	~~scfm~~	$2/scfm
Variable Frequency Drive Controlled Compressor	~~Fixed speed compressor~~	~~≤75 hp VFD controlled oil-injected screw compressor operating in system with total compressor capacity ≤75 hp, not counting backup compressor capacity~~	~~1. Total compressor capacity in upgraded system is ≤75 hp, not counting backup compressor.~~ ~~2. Compressor must adjust speed as primary means of capacity control.~~		$0.15/kWh annual energy savings
Zero Loss Condensate Drain	~~Fixed timer drain~~	~~Zero-loss condensate drain (See Note 4)~~	~~Drain is designed to function without release of compressed air into the atmosphere. Any size system is eligible there is no restriction on compressor size.~~	~~each~~	$100 each
Outside Air Intake	~~Compressor drawing intake air from compressor room~~	~~Permanent ductwork between compressor air intake and outdoors.~~	~~1. Compressor system size ≤ 75 HP.~~ ~~2. Ductwork must meet manufacturer's specifications, which may include: (a) ≤ 0.25" W.C. pressure loss at rated flow, and (b) allow use of compressor room air during extremely cold outside air conditions~~	~~hp~~	$6/hp
Compressed air end use reduction	~~Inappropriate or inefficient compressed air end uses~~	~~Functionally equivalent alternatives or isolation valves~~	~~Any size system is eligible – there is no restriction on compressor size.~~		$0.15/kWh annual energy savings

Table 11 - Incentives for Wastewater, Oil and Gas, and Other Refrigeration Energy Efficiency Measures

Equipment Type	~~Replace~~	~~With~~	Incentive "up to"
Adaptive refrigeration control	~~Conventional controls (defrost timeclock, space thermostat, evaporator fan control, if any, thermal expansion valve in some instances)~~	~~Adaptive refrigeration controller and, in some instances, electric expansion valve~~	$0.15/kWh annual energy savings
Fast acting door	~~Manually operated door, automatic door with long cycle time, strip curtain, or entryway with no door in refrigerated/conditioned space~~	~~Fast acting door~~	$0.15/kWh annual energy savings

ELECTRIC SERVICE SCHEDULE NO. 140 - Continued

Oil and gas pump off controller		~~Add pump off controller to existing oil or gas well~~	$1,500 per controller
Wastewater – low power mixer	~~Excess aeration capacity~~	~~Extended range circulator~~	$0.15/kWh annual energy savings

Small Business Direct Install (Retrofit only)

Incentives and participation for small business direct installations may include but not be limited to lighting, plug load, HVAC measures, and areas being canvassed. Participating customers are required to pay for up to 25% of the qualifying equipment costs.

Table 12 – Incentives for Small Business Direct Installation (Retrofit only)

Eligible Customer Rate Schedules	Eligibility Requirements	Incentive "up to"	Customer Co-pay "up to"	
			Minimum	Maximum
6	Non-residential facilities not in excess of 200 kW demand monthly in the last twelve months.	$5,000 per facility	10%	25%
6a	Non-residential facilities not in excess of 200 kW demand monthly in the last twelve months.	$5,000 per facility	10%	25%
6b	Non-residential facilities not in excess of 200 kW demand monthly in the last twelve months.	$5,000 per facility	10%	25%
23		$5,000 per facility	10%	25%

(continued)

ELECTRIC SERVICE SCHEDULE NO. 140 - Continued

~~**Table 10 – Compressed Air Incentives (Continued)**~~

~~**Notes for Table 10:**~~

1. ~~Equipment that meets or exceeds the efficiency requirements above may qualify for the listed incentive.~~
2. ~~Except for the zero loss condensate drain and compressed air end use reduction measures, eligibility for incentives is limited to compressed air systems with total compressor capacity of 75 hp or less, not including backup compressor capacity that does not normally run.~~
3. ~~Incentives are capped at 70 percent of Energy Efficiency Project Costs, and incentives will not be available to reduce Energy Efficiency Project simple payback below one year. Energy savings and Energy Efficiency Project Costs are subject to Company approval.~~
4. ~~Zero loss condensate drains purchased as an integral part of another measure are eligible for the incentive shown above.~~

~~**hp** = horsepower~~
~~**ppm** = parts per million~~
~~**psi** = pounds per square inch~~
~~**scfm** = cubic feet of air per minute at standard conditions (14.5 psia, 68°F, and 0% relative humidity)~~
~~**VFD** = variable frequency drive~~

~~**Notes for Table 11:**~~

1. ~~Equipment that meets or exceeds the efficiency requirements above may qualify for the listed incentive.~~
2. ~~Incentives are capped at 70 percent of Energy Efficiency Project Costs, and incentives will not be available to reduce the Energy Efficiency Project simple payback below one year. Energy savings and Energy Efficiency Project Costs are subject to Company approval.~~

(continued)

ELECTRIC SERVICE SCHEDULE NO. 140 - Continued

Table 13a – Mid-Market Incentives -Lighting

Measure	Category	~~Eligibility Requirements~~	Incentive "up to"
LED	~~A-19 Lamp < 8 W, Medium Base~~	~~LED must be listed on qualified equipment list~~	~~$5/Lamp~~
	~~A-19 Lamp ≥ 8 W, Medium Base~~	~~LED must be listed on qualified equipment list~~	~~$5/Lamp~~
	A-Lamp~~A-21 Lamp > 12 W, Medium Base~~	~~LED must be listed on qualified equipment list~~	$10/Lamp
	~~PAR~~ Reflector Lamp	~~LED must be listed on qualified equipment list~~	$15/Lamp
	~~BR Reflector Lamp~~	~~LED must be listed on qualified equipment list~~	~~$13/Lamp~~
	~~MR16 Reflector Lamp~~	~~LED must be listed on qualified equipment list~~	~~$10/Lamp~~
	~~PLC Pin-based Lamp < 10 W~~	~~LED must be listed on qualified equipment list~~	~~$10/Lamp~~
	~~PLC Pin-based Lamp > 10 W~~	~~LED must be listed on qualified equipment list~~	~~$15/Lamp~~
	~~PLL~~ Pin-based Lamp	~~LED must be listed on qualified equipment list~~	$15/Lamp
	Decorative Lamp	~~LED must be listed on qualified equipment list~~	$10/Lamp
	Recessed Downlight Kit	~~LED must be listed on qualified equipment list~~	$15/Fixture
	~~T8 TLED Lamp – Type A, A/B Dual Mode~~	~~LED must be listed on qualified equipment list~~	~~$10/Lamp~~
	~~T8 TLED Lamp – Type B~~	~~LED must be listed on qualified equipment list~~	~~$15/Lamp~~
	~~T8~~ TLED Lamp~~ – Type C~~	~~LED must be listed on qualified equipment list~~	$25/Lamp
	~~T5 TLED Lamp~~	~~LED must be listed on qualified equipment list~~	~~$15/Lamp~~
	~~HID Replacement Lamp < 40 W~~	~~LED must be listed on qualified equipment list~~	~~$50/Lamp~~
	~~HID Replacement Lamp ≥ 40 and < 80 W~~	~~LED must be listed on qualified equipment list~~	~~$70/Lamp~~
	~~HID Replacement Lamp ≥ 80 and < 150 W~~	~~LED must be listed on qualified equipment list~~	~~$90/Lamp~~
	HID Replacement Lamp~~ ≥ 150W~~	~~LED must be listed on qualified equipment list~~	$110/Lamp
	Wall Pack Fixture	~~LED must be listed on qualified equipment list~~	$30/Fixture
	~~Wall Pack Fixture with Occupancy Sensor~~	~~LED must be listed on qualified equipment list~~	~~$75/Fixture~~
	Troffer Kit/Fixture	~~LED must be listed on qualified equipment list~~	$30/Fixture
	Linear Ambient Kit/Fixture	~~LED must be listed on qualified equipment list~~	$20/Fixture

Table 13b – Mid-Market Incentives –HVAC

Measure	~~Category~~	~~Eligibility Requirements~~	Customer/Mid-Market Incentive "up to"
Unitary Commercial Air Conditioners	~~Air-Cooled – Packaged Systems Only~~	~~As defined in CEE Commercial Unitary Air-conditioning and Heat Pumps Specification~~	$100/Ton

Table 14 – HVAC Check-up Incentives

Measure	~~Category~~	~~Eligibility Requirements~~	Incentive "up to"
Maintenance Agreement	~~3-year maintenance agreement~~	~~Maintenance agreements must include a minimum of two system checks per year (heating and cooling seasons), one condenser coil cleaning per year, and a thermostat reprogramming and calibration.~~	$75/-RTU

ELECTRIC SERVICE SCHEDULE NO. 140 - Continued

Thermostats	~~Programmable Thermostat~~	~~Replace existing non-programmable or residential thermostat with a commercial programmable thermostat with a minimum of 7-day occupied/unoccupied settings.~~	$50/Thermostat
	~~Smart Thermostat~~	~~Replace non-programmable thermostat or residential thermostat with a commercial programmable smart thermostat with a minimum of 7-day occupied/unoccupied settings. Smart thermostats must be Wi-Fi enabled, online dashboard and/or mobile device app, with occupancy sensor enabled.~~	
Economizer	~~Economizer Repair~~	~~–~~	$150/RTU
	~~Economizer Replacement~~		
Refrigerant	~~Proper Refrigerant Charge~~	~~–~~	$35/Ton RTU Capacity

ELECTRIC SERVICE SCHEDULE NO. 140 – Continued

~~**Table 13a – Mid-Market Incentives – Lighting (Continued)**~~

~~**Notes for Table 13a:**~~

1. ~~Incentives for measures listed in the table above are available at the point of purchase through approved distributors/retailers or via a post-purchase customer application process.~~
2. ~~Incentives are capped at 70 percent of qualifying equipment costs. Qualifying equipment costs are subject to Company approval. Limits to the number of items per transaction eligible for incentives may apply.~~
3. ~~Qualified equipment lists referenced in the above table are posted on the Utah energy efficiency program section of the Company's website.~~

~~**A** = Arbitrary (standard lamp shape)~~
~~**PAR** = Parabolic Aluminized Reflector~~
~~**BR** = Bulged Reflector~~
~~**HID** = High Intensity Discharge (e.g. high pressure sodium, metal halide)~~
~~**HO** = High Output~~
~~**MR** = Mirrored Reflector~~
~~**PLC** = Pin Lamp Compact Fluorescent~~
~~**PLL** = Pin Lamp Long Compact Fluorescent~~
~~**TLED** = Tubular Light Emitting Diode~~
~~**W** = Watt~~

~~**Notes for Table 13b:**~~

1. ~~Incentives are capped at 70 percent of qualifying equipment cost. Qualifying equipment costs are subject to Company approval.~~
1. ~~Qualified equipment lists referenced in the above table are posted on the Utah energy efficiency program section of the Company's website.~~
2. ~~Incentives included in the mid-market incentive tables are available through Company approved retailers/distributors or a customer application process.~~

~~**Notes for Table 14:**~~

1. ~~Incentives are capped at 70 percent of qualifying cost. Qualifying costs are subject to Company approval.~~

ROCKY MOUNTAIN POWER
A DIVISION OF PACIFICORP

Sixteenth Revision of Sheet No. B.1
P.S.C.U. No. 50 **Canceling Fifteenth Revision of Sheet No. B.1**

ELECTRIC SERVICE SCHEDULES
STATE OF UTAH

Schedule Numbers not listed are not currently used.
*These Schedules are not available to new customers or premises.

(continued)

ROCKY MOUNTAIN POWER

ELECTRIC SERVICE SCHEDULE NO. 140

STATE OF UTAH

Non-Residential Energy Efficiency

PURPOSE: This Schedule is intended to maximize the efficient utilization of electricity for new and existing non-residential loads through the installation of energy efficiency measures and energy management protocols.

APPLICABLE: To service under the Company's General Service Schedules listed on Schedule 193. This Schedule is applicable to new and existing non-residential facilities and dairy barns served on the company's residential rate schedules. This Schedule is not applicable to offset customer generation.

CUSTOMER PARTICIPATION: Customer participation is voluntary and is initiated by following the participation procedures on the Utah energy efficiency section of the Company website. The Company shall have the right to qualify participants, at its discretion, based on criteria the Company considers necessary to ensure the effective operation of the measures and utility system. Criteria may include, but will not be limited to cost effectiveness. The Company may limit participation levels, as approved by the Commission. Any Commission-approved limits will be described on the Company's website. In the event that there is a participation dispute that is not resolved by the Company the customer may elect to follow the process outlined at http://www.psc.state.ut.us/complaints/index.html

Eligible facilities of similar size, operations and ability to participate will be treated in a fair and consistent manner in respect to participation under this schedule.

(continued)

ELECTRIC SERVICE SCHEDULE NO. 140 - Continued

QUALIFYING MEASURE: Qualifying measures are any measures which, when installed in an eligible facility, result in verifiable electric energy efficiency improvement compared to a baseline as determined by the Company. The baseline will be determined with reference to existing equipment, applicable state or federal energy or building codes, industry standard practice and other relevant factors.

QUALIFYING ENERGY MANAGEMENT: Operational improvements which, when implemented in an eligible facility, result in electric energy savings compared to current operations as determined by the Company.

MINIMUM EQUIPMENT EFFICIENCY: Retrofit Energy Efficiency Projects must meet minimum equipment efficiency levels and equipment eligibility requirements in the Tables below to be eligible for an Incentive or monthly Bill Credit available under the Schedule.

PRIOR ENERGY SERVICE PAYMENT PROGRAM PARTICIPATION REQUIREMENTS: This tariff does not affect Energy Service Charges currently outstanding. All obligations including those pursuant to an executed Energy Services Agreement shall remain in effect until the Energy Efficiency Payment with interest is repaid in full.

GENERAL RULES AND PROVISIONS:

1. Service under this Schedule will be in accordance with the terms of the Electric Service Agreement between the Customer and the Company. The Company may establish specifications regarding electric efficiency or energy management measures to be affected under this schedule, and may conduct inspections and/or verification to insure that such specifications are met.
2. Detailed program descriptions, Frequently Asked Questions, Qualifying Equipment or Services, incentive amounts, application forms and participation procedures are accessible through the program's website at www.wattsmart.com.
3. "Up to" amounts represent the minimum/maximum range approved by the Commission. Actual offered incentives within their respective minimum/maximum ranges are posted on the program's website. "Up to" amounts may change within their minimum/maximum ranges with a minimum 45 days' notice, which will be prominently displayed on the program website and will be communicated to participating retailers, distributors, and Trade Allies.
4. Offered incentive amounts may be capped at a percentage of qualifying equipment cost. Qualifying equipment costs are subject to Company approval.
5. Qualified equipment lists and other eligibility criteria are posted on the Utah energy efficiency program section of the Company's website.
6. Incentives included in the mid-market incentive tables are available through Company-approved retailers/distributors or a customer application process.

(continued)

ELECTRIC SERVICE SCHEDULE NO. 140 - Continued

Table 1a - Lighting System Retrofits

Measure	Category		Maximum Incentive "up to"
Lighting System Retrofit	Interior Lighting	Prescriptive	See Mid-Market
		Non-Prescriptive	$1.50/W Reduced
	Exterior Lighting	Prescriptive	See Mid-Market
		Non-Prescriptive	$0.75/W Reduced
	Controls-Only		$0.80/W Controlled
	Custom		$0.85/W Reduced

Table 1b – New Construction/Major Renovation Lighting Incentives

Measure	Category	Incentive "up to"
Interior Lighting	Troffer	$10/Fixture
	Linear Ambient	$10/Fixture
	Highbay	$20/Fixture
	Other (not listed above)	$0.50/Fixture Wattage
	Advanced Lighting Controls	$0.80/W controlled
Exterior Lighting	Advanced Lighting Controls	$0.40/W controlled

Table 2 - Motor Incentives

Equipment Type	Incentive "up to"
Electronically Commutated Motor	$1/watt or $50/horsepower based on application
Variable Frequency Drives	$65/horsepower
Green Motor Rewinds	$1/horsepower

Table 3a – HVAC Incentives

Equipment Type	Customer Incentive "up to"
Unitary Commercial Air Conditioners	$75/ton
Packaged Terminal Air Conditioners (PTAC)	$25/ton
Packaged Terminal Heat Pumps (PTHP) (Heating & Cooling Mode)	$50/ton
Unitary Commercial Heat Pumps	$75/ton
Heat Pump Loop	$25/ton
Variable Refrigerant Flow Heat Pumps	$150/ton

(continued)

ELECTRIC SERVICE SCHEDULE NO. 140 - Continued

Table 3b –Other HVAC Incentives

Equipment Type	Incentive "up to"
Evaporative Cooling	$0.06/ CFM
Indirect-Direct Evaporative Cooling (IDEC)	$0.15/kWh annual energy savings
Chillers	$0.15/kWh annual energy savings
365/366 day Programmable or Occupancy-based Thermostat	$150/thermostat
Occupancy Based PTHP/PTAC control	$50/controller
Evaporative Pre-cooler (Retrofit Only)	$75/ton of attached cooling capacity
Advanced Rooftop Unit Control (Retrofit)	$4,500
Advanced Rooftop Unit Control (New RTU)	$2,800
Advanced Rooftop Unit Control (DCV Only)	$800

Table 4a – Building Envelope Incentives (Retrofit)

Equipment Type	Incentive "up to"
Cool Roof	$0.10/square foot
Roof/Attic Insulation	$0.05/square foot
Wall Insulation	$0.07/square foot
Windows	$0.35/square foot
Window Film	$0.15/kWh annual energy savings

Table 4b – Building Envelope Incentives (New Construction/Major Renovation)

Equipment Type	Incentive "up to"
Cool Roof	$0.10/square foot
Roof/Attic Insulation	$0.05/square foot
Wall Insulation	$0.07/square foot
Windows	$0.35/square foot

(continued)

ELECTRIC SERVICE SCHEDULE NO. 140 - Continued

Table 5 – Food Service Equipment Incentives

Equipment Type	Incentive/Unit "up to"
Residential Dishwasher	See offering in Schedule 111.
Commercial Dishwasher	$1,000
Electric Insulated Holding Cabinet	$700
Electric Steam Cooker	$300
Electric Convection Oven	$350
Electric Fryer	$300
Electric Griddle	$150
Electric Combination Oven	$1,000
Ice Machines	$150
Residential Refrigerator	See offering in Schedule 111.
Residential Freezer	See offering in Schedule 111.
Commercial Transparent Door Refrigerator	$125
Commercial Transparent Door Freezer	$100
Demand Controlled Kitchen Ventilation Exhaust Hood (Retrofit Only)	$0.15/kWh annual energy savings
Anti-Sweat Heater Controls (Retrofit Only)	$20/linear foot (case length)

Table 6 – Office Equipment Incentives

Equipment Type	Incentive "up to"
Smart Plug Strip	$5/qualifying unit

Table 7 – Appliance Incentives

Equipment Type	Equipment Category	Incentive "up to"
High-Efficiency Clothes Washer	Residential (used in a business)	See offering in Schedule 111.
	Commercial	$100
Heat Pump Water Heater	Residential (used in a business)	See offering in Schedule 111.

(continued)

ELECTRIC SERVICE SCHEDULE NO. 140 - Continued

Table 8a - Irrigation Incentives – Measures for Wheel Line, Hand Line, or Other Portable Systems (Retrofit Only)

Irrigation Measure	Incentive "up to"
New rotating sprinkler replacing worn or leaking impact or rotating sprinkler	$2.50 each
New or rebuilt impact sprinkler replacing worn or leaking impact sprinkler	$2.25 each
New nozzle replacing worn nozzle of same design flow or less on existing sprinkler	$0.50 each
New gasket replacing leaking gasket	$2 each
New drain replacing leaking drain	$3 each
Cut and press or weld repair of leaking wheel line, hand line, or portable main line	$10/repair
New or rebuilt wheel line leveler replacing leaking or malfunctioning leveler	$3 each

Table 8b - Irrigation Incentives – Measures for Pivots and Linear Systems (Retrofit Only)

Irrigation Measure	Incentive "up to"
Pressure regulator replacing new pressure regulator of same design pressure or less	$3 each
Low pressure sprinkler replacing impact sprinkler	$3 each
Low pressure sprinkler replacing worn low pressure sprinkler	$1.50 each

Table 8c - Irrigation Incentives – Measures for Any Type of System (Retrofit or New Construction, Including Non-Agricultural Irrigation Applications)

Irrigation Measure	Incentive "up to"
Irrigation pump variable frequency drive added to existing or new irrigation pump	$0.15/kWh annual savings

Table 9 – Farm and Dairy Equipment Incentives

Equipment Type	Incentive "up to"
High-efficiency Circulating fan	$75/fan
Heat Recovery	$0.15/kWh annual energy savings
High-efficiency Ventilation Fan	$150/fan
Milk Pre-cooler (Retrofit Only)	$0.15/kWh annual energy savings
Programmable Ventilation Controllers	$20/fan controlled
Variable Frequency Drives for Dairy Vacuum Pumps (Retrofit Only)	$165/horsepower

(continued)

ELECTRIC SERVICE SCHEDULE NO. 140 – Continued

Table 10 – Compressed Air Incentives

Equipment Category	Incentive "up to"
Low Pressure Drop Filter Replacement	$2/scfm
Receiver Capacity Addition	$3/gal above 2 gallons per scfm
Cycling Refrigerated Dryer	$2/scfm
Variable Frequency Drive Controlled Compressor	$0.15/kWh annual energy savings
Zero Loss Condensate Drain	$100 each
Outside Air Intake	$6/horsepower
Compressed air end use reduction	$0.15/kWh annual energy savings

Table 11 - Incentives for Wastewater, Oil and Gas, and Other Refrigeration Energy Efficiency Measures

Equipment Type	Incentive "up to"
Adaptive refrigeration control	$0.15/kWh annual energy savings
Fast acting door	$0.15/kWh annual energy savings
Oil and gas pump off controller	$1,500 per controller
Wastewater – low power mixer	$0.15/kWh annual energy savings

Small Business Direct Install (Retrofit only)

Incentives and participation for small business direct installations may include but not be limited to lighting, plug load, HVAC measures, and areas being canvassed. Participating customers are required to pay for up to 25% of the qualifying equipment costs.

Table 12 – Incentives for Small Business Direct Installation (Retrofit only)

Eligible Customer Rate Schedules	Eligibility Requirements	Incentive "up to"	Customer Co-pay "up to"	
			Minimum	Maximum
6	Non-residential facilities not in excess of 200 kW demand monthly in the last twelve months.	$5,000 per facility	10%	25%
6a	Non-residential facilities not in excess of 200 kW demand monthly in the last twelve months.	$5,000 per facility	10%	25%
6b	Non-residential facilities not in excess of 200 kW demand monthly in the last twelve months.	$5,000 per facility	10%	25%
23		$5,000 per facility	10%	25%

(continued)

ELECTRIC SERVICE SCHEDULE NO. 140 – Continued

Table 13a – Mid-Market Incentives -Lighting

Measure	Category	Incentive "up to"
LED	A-Lamps	$10/Lamp
	Reflector Lamps	$15/Lamp
	Pin-based Lamps	$15/Lamp
	Decorative Lamps	$10/Lamp
	Recessed Downlight Kit	$15/Fixture
	TLED Lamps	$25/Lamp
	HID Replacement Lamps	$110/Lamp
	Wall Pack Fixture	$30/Fixture
	Troffer Kit/Fixture	$30/Fixture
	Linear Ambient Kit/Fixture	$20/Fixture

Table 13b – Mid-Market Incentives –HVAC

Measure	Customer/Mid-Market Incentive "up to"
Unitary Commercial Air Conditioners	$100/Ton

Table 14 – HVAC Check-up Incentives

Measure	Incentive "up to"
Maintenance Agreement	$75/RTU
Thermostats	$50/Thermostat
Economizer	$150/RTU
Refrigerant	$35/Ton RTU Capacity

Exhibit B

ROCKY MOUNTAIN POWER

ELECTRIC SERVICE SCHEDULE NO. 140

STATE OF UTAH

Non-Residential Energy Efficiency

PURPOSE: This Schedule is intended to maximize the efficient utilization of electricity for new and existing non-residential loads through the installation of energy efficiency measures and energy management protocols.

APPLICABLE: To service under the Company's General Service Schedules listed on Schedule 1936, 6A, 6B, 8, 9, 9A, 10, 12, 15, 21, 23, and Supplementary Service under Schedule 31. This Schedule is applicable to new and existing non-residential facilities and dairy barns served on the company's residential rate schedules. This Schedule is not applicable to offset customer generation.

CUSTOMER PARTICIPATION: Customer participation is voluntary and is initiated by following the participation procedures on the Utah energy efficiency section of the Company website. The Company shall have the right to qualify participants, at its discretion, based on criteria the Company considers necessary to ensure the effective operation of the measures and utility system. Criteria may include, but will not be limited to cost effectiveness. The Company may limit participation levels, as approved by the Commission. Any Commission-approved limits will be described on the Company's website. In the event that there is a participation dispute that is not resolved by the Company the customer may elect to follow the process outlined at http://www.psc.state.ut.us/complaints/index.html

Eligible facilities of similar size, operations and ability to participate will be treated in a fair and consistent manner in respect to participation under this schedule.

(continued)

ELECTRIC SERVICE SCHEDULE NO. 140 - Continued

Table 1b – New Construction/Major Renovation Lighting Incentives

Measure	Category	Eligibility Requirements	Incentive "up to"
Interior Lighting	Troffer	Product must meet program requirements and be listed on qualified equipment list.	$10/Fixture
	Linear Ambient		$10/Fixture
	Highbay		$20/Fixture
	Other (not listed above)		$0.50/Fixture Wattage
	Advanced Lighting Controls		$0.80/W controlled**
Exterior Lighting	Advanced Lighting Controls		$0.40/W controlled**

** Lighting controls required by the applicable version of the state energy code are not eligible for incentives.

Table 2 - Motor Incentives

Equipment Type	Size Category	Sub-Category	Minimum Efficiency Requirement	Incentive "up to"
Electronically Commutated Motor (ECM) – Retrofit Only	≤ 1 horsepower	Refrigeration application	--	$~~0.50~~1/watt
		HVAC application	--	$50/horsepower
Variable-Frequency Drives (HVAC fans and pumps)	≤ 100 horsepower	HVAC fans and pumps	See Note 2	$65/horsepower
Green Motor Rewinds	≥ 15 and ≤ 5,000 horsepower	--	Must meet GMPG Standards	$1/horsepower Refer to Note 3

Notes for Table 2:

1. Equipment that meets or exceeds the efficiency requirements listed for the equipment category in the above table may qualify for the listed incentive.
2. Throttling or bypass devices, such as inlet vanes, bypass dampers, three-way valves, or throttling valves must be removed or permanently disabled to qualify for HVAC fan or pump VFD incentives. VFDs required by or used to comply with the applicable version of the energy code are not eligible for incentives. Savings will only be realized for installations where a variable load is present.
3. For Green Motor Rewinds, the participating electric motor service center is paid $2/horsepower for eligible Green Motor Rewinds. A minimum of $1/horsepower is paid by the service center to the Customer as a credit on the motor rewind invoice. The balance is retained by the service center. Green Motor Rewind motors that are installed or placed in inventory may qualify for an incentive.

ECM = Electronically Commutated Motor
GMPG = Green Motors Practices Group
HVAC = Heating, Ventilation and Air Conditioning

(continued)

ELECTRIC SERVICE SCHEDULE NO. 140 - Continued

NEMA = National Electrical Manufacturer's Association
VFD = Variable Frequency Drive

(continued)

ELECTRIC SERVICE SCHEDULE NO. 140 - Continued

Table 3a – HVAC Incentives

Equipment Type	Category	Minimum Efficiency Requirements	Customer Incentive "up to"
Unitary Commercial Air Conditioners	Air-Cooled – Split Systems Only	As defined in CEE Commercial Unitary Air-conditioning and Heat Pumps Specification	$75/ton
	Water Cooled	As defined in CEE Commercial Unitary Air-conditioning and Heat Pumps Specification	$75/ton
	Evaporatively Cooled	As defined in CEE Commercial Unitary Air-conditioning and Heat Pumps Specification	$75/ton
Packaged Terminal Air Conditioners (PTAC)	≤ 8,000 Btu/hr	12.2 EER	$25/ton
	> 8,000 Btu/hr and < 10,500 Btu/hr	11.9 EER	
	≥ 10,500 Btu/hr and ≤ 13,500 Btu/hr	10.7 EER	
	> 13,500 Btu/hr	9.9 EER	
Packaged Terminal Heat Pumps (PTHP) (Heating & Cooling Mode)	≤ 8,000 Btu/hr	12.2 EER and 3.4 COP	$50/ton
	> 8,000 Btu/hr and < 10,500 Btu/hr	11.5 EER and 3.3 COP	
	≥ 10,500 Btu/hr and ≤ 13,500 Btu/hr	10.7 EER and 3.1 COP	
	> 13,500 Btu/hr	9.8 EER and 3.0 COP	
Unitary Commercial Heat Pumps (See Note 3)	Air-Cooled	As defined in CEE Commercial Unitary Air-conditioning and Heat Pumps Specification	$75/ton
	Water Cooled	As defined in CEE Commercial Unitary Air-conditioning and Heat Pumps Specification	$75/ton
	Ground Source	As defined in ENERGY STAR Program Requirements for Geothermal Heat Pumps	$50/ton
	Groundwater Source	As defined in ENERGY STAR Program Requirements for Geothermal Heat Pumps	$50/ton
Heat Pump Loop (See Note ~~5~~7)	Ground Source, Closed Loop	--	$25/ton
	Groundwater Source, Open Loop	--	$25/ton
VRF Heat Pumps	Air Cooled	As defined in CEE Commercial Unitary Air-conditioning and Heat Pumps Specification	$150/ton
	Water Cooled		$150/ton

(continued)

ELECTRIC SERVICE SCHEDULE NO. 140 - Continued

Table 3a – HVAC Incentives (Continued)

Notes for table 3a - HVAC equipment incentive table

1. Equipment that meets or exceeds the efficiency requirements listed for the size category in the above table may qualify for the listed incentive. Equipment must meet all listed efficiency requirements to qualify for the listed incentives.
2. PTHPs can replace electric resistive heating, which must be removed.
3. Incentives for heat pumps are available per ton of cooling capacity ONLY. No incentives are paid per ton of heating capacity. Heat Pumps must meet both the cooling mode and heating mode efficiency requirements to qualify for per ton cooling efficiency incentives.
4. Equipment size categories and capacities are specified in terms of net cooling capacity at AHRI standard conditions as determined by AHRI Standard 210/240 for units <65,000 Btu/hr, AHRI Standard 340/360 for units ≥65,000 Btu/hr, AHRI Standard 310/380 for PTAC and PTHP units, and AHRI Standard 1230 for VRF systems.
5. Ground and Water Source Heat Pumps must meet or exceed listed efficiency requirements when rated in accordance with ISO-13256-1 to qualify for the listed incentive.
6. Efficiency requirements align with the Unitary Air-Conditioning and Heat Pump Specification maintained by the Consortium for Energy Efficiency for equipment with heating sections other than electric resistance. CEE minimum efficiency requirements are listed on the Company website.

AHRI = Air-Conditioning, Heating, and Refrigeration Institute
CEE = Consortium for Energy Efficiency
COP = Coefficient of Performance
EER = Energy Efficiency Ratio
HSPF = Heating Seasonal Performance Factor
HVAC = Heating, Ventilation and Air-Conditioning
IEER = Integrated Energy Efficiency Ratio
~~**IPLV** = Integrated Part Load Value~~
PTAC = Packaged Terminal Air Conditioner
PTHP = Packaged Terminal Heat Pump
SEER = Seasonal Energy Efficiency Ratio
VFR = Variable Refrigerant Flow

(continued)

ELECTRIC SERVICE SCHEDULE NO. 140 - Continued

Table 3b –Other HVAC Incentives

Equipment Type	Size Category	Sub-Category	Minimum Efficiency Requirement	Incentive "up to"
Evaporative Cooling	All sizes	Direct or Indirect		$0.06/ CFM
Indirect-Direct Evaporative Cooling (IDEC)	All sizes	--	Applicable system components must exceed minimum efficiencies required by energy code	$0.15/kWh annual energy savings See Note 2
Chillers	All except chillers intended for backup service only	Serving primarily occupant comfort cooling loads (no more than 20% for process cooling loads)	Must exceed minimum efficiencies required by energy code	$0.15/kWh annual energy savings See Note 3
365/366 day Programmable or Occupancy-based Thermostat	All sizes in portable classrooms with mechanical cooling	Must be installed in portable classroom unoccupied during summer months	365/366 day thermostatic or occupancy based setback capability	$150/thermostat
Occupancy Based PTHP/PTAC control	All sizes with no prior occupancy based control		See Note 4	$50/controller
Evaporative Pre-cooler (Retrofit Only)		For single air-cooled packaged rooftop or matched split system condensers only	Minimum performance efficiency of 75%. Must have enthalpy controls to control pre-cooler operation. Water supply must have chemical or mechanical water treatment.	$75/ton of attached cooling capacity (See Note 5)
Advanced Rooftop Unit Control (Retrofit)	≥ 5 tons and ≤ 10 tons	Must be installed on existing unitary packaged rooftop units (no split-systems), ≥ 5 tons nominal cooling capacity with constant speed supply fans.	Controls must include: - Either a supply fan VFD or multi-speed supply fan motor with controller that meets ventilation and space conditioning needs - Digital, integrated economizer control	$2,000
	> 10 tons and ≤ 15 tons			$2,800
	> 15 tons and ≤ 20 tons			$4,000
	> 20 tons			$4,500
Advanced Rooftop Unit Control (New RTU)	≥ 5 tons and ≤ 10 tons	Must be installed unitary packaged rooftop units (no split-systems), ≥ 5 tons nominal cooling capacity.	Controls must include: - Either a supply fan VFD or multi-speed supply fan motor with controller that meets ventilation and space conditioning needs - Digital, integrated economizer control	~~$1,400~~$1,200
	> 10 tons and ≤ 15 tons			~~$2,000~~$1,800
	> 15 tons and ≤ 20 tons			~~$2,800~~$2,500
	> 20 tons			~~$3,200~~$2,800
Advanced Rooftop Unit Control (DCV Only)	≥ 5 tons and ≤ 10 tons	Must be installed unitary packaged rooftop units (no split-systems), ≥ 5 tons nominal cooling capacity.	Controls must include digital, integrated economizer control with either an existing supply fan VFD or an existing multi-speed supply fan motor and controller that meets ventilation and space conditioning needs	$500
	> 10 tons and ≤ 15 tons			$600
	> 15 tons and ≤ 20 tons			$700
	> 20 tons			$800

(continued)

ELECTRIC SERVICE SCHEDULE NO. 140 - Continued

Table 5 – Food Service Equipment Incentives

Equipment Type	Equipment Category	Minimum Efficiency Requirement	Incentive/Unit "up to"
Residential Dishwasher	Used in a Business	See Wattsmart Homes ~~Energy Savings~~ Program	See offering in Schedule 111.~~Note 2~~
Commercial Dishwasher (High Temperature models w/ electric boosters only)	Under ~~e~~Counter	ENERGY STAR Qualified	$100
	Single Tank Stationary ~~Rack, Single Tank,~~ (Door Type)		$400
	Single Tank Conveyor		$1,000
	Multiple Tank Conveyor		$500
Electric Insulated Holding Cabinet	V ≥ 28 (~~Full~~Double Size)	ENERGY STAR Qualified	$700
	13 ≤ V < 28 (~~3/4~~Full Size)		$300
	V < 13 (~~1/2~~Half Size)		$200
Electric Steam Cooker	~~3 , 4 , 5 and 6 pan or larger sizes – Tier 2~~All sizes	ENERGY STAR Qualified ~~w/ Heavy Load Efficiency ≥ 68%~~	$300
Electric Convection Oven	Full Size	ENERGY STAR Qualified	~~$200~~$350
	Half Size		
Electric Fryer	Width < 18 inches (Standard)	ENERGY STAR Qualified	$300
	Width ≥ 18 inches (Large)		
Electric Griddle	All sizes	ENERGY STAR Tier 2 Qualified	$150
Electric Combination Oven	~~6-15~~< 15 pans	ENERGY STAR Qualified	$1,000
	~~16-20~~16-28 pans	ENERGY STAR Qualified	~~$275~~$500
Ice Machines (Air-Cooled Only)	~~Tier 1:~~ Harvest Rate < 500 lbs/day	ENERGY STAR Qualified	$125
	~~Tier 1:~~ Harvest Rate ≥ 500 lbs/day		$150
Residential Refrigerator	Used in a Business	See Wattsmart Homes~~Home Energy Savings~~ Program	See offering in Schedule 111.~~Note 2~~
Residential Freezer	Used in a Business	See Wattsmart Homes Program	See offering in Schedule 111.

(continued)

ELECTRIC SERVICE SCHEDULE NO. 140 - Continued

Table 5 – Food Service Equipment Incentives (Continued)

Equipment Type	Equipment Category	Minimum Efficiency Requirement	Incentive/Unit "up to"
Commercial Transparent Door Refrigerator	0 < V < 15	ENERGY STAR Qualified	$25
	15 ≤ V < 30		$50
	30 ≤ V < 50		$75
	50 ≤ V		$125
	Chest Configuration		$50
Commercial Transparent Door Freezer	0 < V < 15	ENERGY STAR Qualified	$25
	15 ≤ V < 30		$50
	30 ≤ V < 50		$75
	50 ≤ V		$100
	Chest Configuration		$100
Demand Controlled Kitchen Ventilation Exhaust Hood (Retrofit Only)	Must be installed on commercial kitchen exhaust system.	Variable speed motors must be controlled to vary fan speed depending upon kitchen demand, as indicated by connected sensors.	$0.15/kWh annual energy savings (See note 3)
Anti-Sweat Heater Controls (Retrofit Only)	Low-Temp (Freezing) Cases	Controls that reduce energy consumption of anti-sweat heaters based on sensing humidity.	$20/linear foot (case length)
	Med-Temp (Refrigerated) Cases		$16/linear foot (case length)

Notes for Table 5:

1. Equipment that meets or exceeds the efficiency requirements listed for the equipment category in the above table may qualify for the listed incentive.
2. Refer to Company's Wattsmart Homes~~Home Energy Savings~~ program for efficiency requirements and incentives for listed residential appliances used in a business.
3. Incentives are paid at $0.15/kWh annual energy savings. Demand controlled kitchen ventilation exhaust hood energy savings subject to approval by Company.

CEE = Consortium for Energy Efficiency
MDEC = Maximum Daily Energy Consumption
V = Association of Home Appliance Manufacturers (AHAM) Volume (cubic feet)

(continued)

ELECTRIC SERVICE SCHEDULE NO. 140 - Continued

Table 6 – Office Equipment Incentives

Equipment Type	Minimum Efficiency Requirements	Incentive "up to"
Smart Plug Strip	1. Incentive applies to any plug strip on Qualified Product List that eliminates idle or stand-by power consumption of connected plug-load appliance through the use of an ~~occupancy sensor,~~ electric load sensor~~, or timer~~. 2. Applies only to electric plug-load applications (e.g. computer monitors~~, desk lamps, etc.~~)	$~~1~~5/qualifying unit

Notes for Table 6:

1. Equipment that meets or exceeds the efficiency requirements listed for the equipment category in the above table may qualify for the listed incentive.

Table 7 – Appliance Incentives

Equipment Type	Equipment Category	Minimum Efficiency Requirement	Incentive "up to"
High-Efficiency Clothes Washer	Residential (used in a business)	See Wattsmart Homes ~~Home Energy Savings~~ Program	See offering in Schedule 111.~~See Note 3~~
	Commercial (must have electric water heating and/or electric clothes dryer)	ENERGY STAR Qualified	$100
Heat Pump Water Heater	Residential (used in a business)	See Wattsmart Homes~~Home Energy Savings~~ Program	

Notes for Table 7:

1. Equipment that meets or exceeds the efficiency requirements listed for the equipment category in the above table may qualify for the listed incentive.
2. Equipment must meet the efficiency rating standard that is in effect on the date of purchase.
3. Refer to Company's Wattsmart Homes ~~Energy Savings~~ program for efficiency requirements and incentives for listed residential appliances used in a business.

(continued)

ELECTRIC SERVICE SCHEDULE NO. 140 - Continued

Table 8a - Irrigation Incentives – Measures for Wheel Line, Hand Line, or Other Portable Systems (Retrofit Only)

Irrigation Measure	Replace	With	Limitations (including but not limited to)	Incentive "up to"
New rotating sprinkler replacing worn or leaking impact or rotating sprinkler	Leaking or malfunctioning impact or rotating sprinkler	Rotating sprinkler	1. Fixed-in-place (solid set) systems not eligible. 2. Incentive limited to two sprinklers per irrigated acre.	$2.50 each
New or rebuilt impact sprinkler replacing worn or leaking impact sprinkler	Leaking or malfunctioning impact sprinkler	New or rebuilt impact sprinkler	1. New nozzle shall be included in new or rebuilt sprinkler. Rebuilt sprinkler shall meet or exceed manufacturer's specifications. 2. Fixed-in-place (solid set) systems not eligible. 3. Incentive limited to two sprinklers per irrigated acre.	$2.25 each
New nozzle replacing worn nozzle of same design flow or less on existing sprinkler	Worn nozzle	New nozzle (including flow control nozzles) of same design flow or less	1. Flow rate shall not be increased. 2. All nozzles on the wheel line or hand line shall be replaced. 3. Fixed-in-place (solid set) systems not eligible. 4. Incentive limited to two nozzles per irrigated acre.	$0.50 each
~~New flow control nozzle for impact sprinkler replacing existing nozzle or worn flow control nozzle of same design flow or less~~	~~Worn nozzle~~	~~New flow control nozzle~~	~~1. Nozzle to be replaced may be fixed orifice or flow control type.~~ ~~2. New flow control nozzle shall have a flow rating equal to or less than the flow rating of the existing nozzles at 40 psi.~~ ~~3. All nozzles on the wheel line or hand line shall be replaced.~~ ~~4. Fixed in place (solid set) systems not eligible.~~ ~~5. Incentive limited to two nozzles per irrigated acre.~~	~~$2.75 each~~
New gasket replacing leaking gasket, including mainline valve or section gasket, seal, or riser cap (dome disc)	Leaking gasket	New gasket, including mainline valve or section gasket, seal, or riser cap (dome disc)	1. New gasket must replace leaking gasket. 2. Fixed-in-place (solid set) systems not eligible. 3. Incentive limited to two gaskets per irrigated acre.	$2 each
New drain replacing leaking drain	Leaking drain	New drain, including drains on pivots and linears	1. New drain must replace leaking drain. 2. Fixed-in-place (solid set) systems not eligible. 3. Incentive limited to two drains per irrigated acre.	$3 each

(continued)

ELECTRIC SERVICE SCHEDULE NO. 140 - Continued

Table 8a - Irrigation Incentives – Measures for Wheel Line, hand Line, or Other Portable Systems (Retrofit Only) (Continued)

Irrigation Measure	Replace	With	Limitations (including but not limited to)	Incentive "up to"
Cut and press or weld repair of leaking wheel line, hand line, or portable main line	Leak in wheel line, hand line, or portable main line	Cut and pipe press or weld repair	For rebuilds, invoice must show number of rebuild kits purchased and installed.	$10/repair
New or rebuilt wheel line leveler replacing leaking or malfunctioning leveler	Leaking or malfunctioning leveler	New or rebuilt leveler	1. Applies to leaking or malfunctioning levelers only. 2. For rebuilds, invoice must show number of rebuild kits purchased and installed.	$3 each
~~New or rebuilt wheel line feed hose replacing leaking wheel line feed hose~~	~~Leaking wheel line feed hose~~	~~New or rebuilt wheel line feed hose~~	~~1. Applies to leaking wheel line feed hose only. 2. For rebuilds, invoice must show number of rebuild kits purchased and installed.~~	~~$12 each~~
~~New Thunderbird wheel line hub replacing leaking wheel line hub~~	~~Leaking Thunderbird wheel line hub~~	~~New Thunderbird wheel line hub~~	~~New hub must replace leaking hub~~	~~$10 each~~

Table 8b - Irrigation Incentives – Measures for Pivots and Linear Systems (Retrofit Only)

Irrigation Measure	Replace	With	Limitations (including but not limited to)	Incentive "up to"
Pressure regulator	Worn pressure regulator	New pressure regulator of same design pressure or less	New regulator must be of same design pressure or less	$3 each
Low pressure sprinkler (e.g. rotating, wobbling, multi-trajectory spray) replacing impact sprinkler	Impact sprinkler	New low pressure sprinkler (on-board nozzle is considered part of sprinkler, not a separate item with additional incentive)	New sprinkler is of same design flow or less	$3 each
Low pressure sprinkler (e.g. rotating, wobbling, multi-trajectory spray) replacing worn low pressure sprinkler	Worn low pressure sprinkler (e.g. rotating, wobbling, multi-trajectory spray)	New low pressure sprinkler (on-board nozzle is considered part of sprinkler, not a separate item with additional incentive)	New sprinkler is of same design flow or less	$1.50 each
~~Gooseneck as part of conversion to low pressure system~~		~~New gooseneck as part of conversion to low pressure system~~	~~Gooseneck shall be used to convert existing center pivot with sprinkler equipment mounted on top of the pivot to low pressure sprinklers with regulators on new drop tubes.~~	~~$0.50 per outlet~~

(continued)

ELECTRIC SERVICE SCHEDULE NO. 140 - Continued

~~Table 8b - Irrigation Incentives – Measures for Pivots and Linear Systems (Retrofit Only) (continued)~~

~~Irrigation Measure~~	~~Replace~~	~~With~~	~~Limitations~~	~~Incentive "up to"~~
~~Drop tube (3 ft minimum length)~~	~~Leaking drop tube~~	~~New drop tube (3 ft minimum length) OR add drop tube as part of conversion to low pressure system~~	~~Drop tube or hose extension shall extend below the pivot lower brace or shall be a minimum of 3 ft in length, whichever is greater.~~	~~$2 per drop tube~~
~~New center pivot base boot gasket replacing leaking base boot gasket~~	~~Leaking center pivot base boot gasket~~	~~New center pivot base boot gasket~~	~~1. Gasket shall replace leaking gasket at the pivot point of the center pivot.~~ ~~2. No more than one gasket shall be claimed per pivot.~~	~~$125 each~~
~~New tower gasket replacing leaking tower gasket~~	~~Leaking tower gasket~~	~~New tower gasket~~	~~New gasket shall replace leaking tower gasket.~~	~~$4 each~~

Table 8c - Irrigation Incentives – Measures for Any Type of System (Retrofit or New Construction, Including Non-Agricultural Irrigation Applications)

Irrigation Measure	Replace	With	Limitations	Incentive "up to"
Irrigation pump VFD		Add variable frequency drive to existing or new irrigation pump	1. Pumps serving any type of irrigation water transport or distribution system are eligible – wheel lines, hand lines, pivots, linears, fixed-in-place (solid set). 2. Both retrofit and new construction projects are eligible.	$0.15/kWh annual savings

Notes for Irrigation Incentive Tables:

1. Equipment that meets or exceeds the requirements listed above may qualify for the listed incentive.
2. Except for the pump VFD measure, incentives listed here are available only for retrofit projects where new equipment replaces existing equipment (i.e. new construction is not eligible).
3. Except for the pump VFD measure, equipment installed in fixed-in-place (solid set) systems is not eligible. Incentive is limited to two units per irrigated acre.
4. Incentives are capped at 70 percent of Energy Efficiency Costs, and incentives will not be available to reduce the Energy Efficiency Project simple payback below one year. Energy savings and Energy Efficiency Project Costs are subject to Company approval.

VFD = Variable Frequency Drive

(continued)

ELECTRIC SERVICE SCHEDULE NO. 140 - Continued

Table 9 – Farm and Dairy Equipment Incentives

Equipment Type	Equipment Category	Minimum Efficiency Requirements	Incentive "up to"
~~Automatic Milker Takeoff (Retrofit Only)~~	~~--~~	~~Equipment must be able to sense milk flow and remove milker when flow reaches a pre-set level. The vacuum pump serving the affected milking units must be equipped with a VFD. Incentive is available for adding automatic milker takeoffs to existing milking systems, not for takeoffs on a brand new system where there were none before. Replacement of existing automatic milker takeoffs is not eligible for this listed incentive, but may qualify for a Custom Energy Efficiency incentive.~~	~~$235 each~~
~~Agricultural Engine Block Heater Timer~~	~~--~~	~~Timer must be a UL-listed device and rated for a minimum of 15 amps continuous duty.~~	~~$10 each~~
High-efficiency Circulating fan (See Note 2)	12-23" Diameter	Fan must achieve an efficiency level of 11 cfm/W	$25/fan
	24-35" Diameter	Fan must achieve an efficiency level of 18 cfm/W	$35/fan
	36-47" Diameter	Fans must achieve an efficiency level of 18 cfm/W	$50/fan
	≥48" Diameter	Fans must achieve an efficiency level of 25 cfm/W	$75/fan
Heat Recovery	--	Heat recovery unit must use heat rejected from milk cooling refrigeration system to heat water. Customer must use electricity for water heating.	$0.15/kWh annual energy savings
High-efficiency Ventilation Fan (See Note 2)	12-23" Diameter	Fan must achieve an efficiency level of 11 cfm/W	$45/fan
	24-35" Diameter	Fan must achieve an efficiency level of 13 cfm/W	$75/fan
	36-47" Diameter	Fan must achieve an efficiency level of 17 cfm/W	$125/fan
	≥48" Diameter	Fan must achieve an efficiency level of 19.5 cfm/W	$150/fan
Milk Pre-cooler (Retrofit Only)	--	The equipment must cool milk with well-water before it reaches the bulk cooling tank. New construction not eligible.	$0.15/kWh annual energy savings

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ELECTRIC SERVICE SCHEDULE NO. 140 - Continued
Small Business Direct Install (Retrofit only)

Incentives and participation for small business direct installations may include but not be limited to lighting, plug load, HVAC measures, and areas being canvassed. Participating customers are required to pay for up to 25% of the qualifying equipment costs.

Table 12 – Incentives for Small Business Direct Installation (Retrofit only)

Eligible Customer Rate Schedules	Eligibility Requirements	Incentive "up to"	Customer Co-pay "up to"	
			Minimum	Maximum
6	Non-residential facilities not in excess of 200 kW demand monthly in the last twelve months.	$5,000 per facility	10%	25%
6a	Non-residential facilities not in excess of 200 kW demand monthly in the last twelve months.	$5,000 per facility	10%	25%
6b	Non-residential facilities not in excess of 200 kW demand monthly in the last twelve months.	$5,000 per facility	10%	25%
23		$5,000 per facility	10%	25%

Table 13a – Mid-Market Incentives -Lighting

Measure	Category	Eligibility Requirements	Incentive "up to"
LED	A-19 Lamp < 8 W, Medium Base	LED must be listed on qualified equipment list	$5/Lamp
	A-19 Lamp ≥ 8 W, Medium Base	LED must be listed on qualified equipment list	$5/Lamp
	A-21 Lamp > 12 W, Medium Base	LED must be listed on qualified equipment list	$10/Lamp
	PAR Reflector Lamp	LED must be listed on qualified equipment list	$15/Lamp
	BR Reflector Lamp	LED must be listed on qualified equipment list	$13/Lamp
	MR16 Reflector Lamp	LED must be listed on qualified equipment list	$10/Lamp
	PLC Pin-based Lamp < 10 W	LED must be listed on qualified equipment list	$10/Lamp
	PLC Pin-based Lamp ≥ 10 W	LED must be listed on qualified equipment list	$15/Lamp
	PLL Pin-based Lamp	LED must be listed on qualified equipment list	$15/Lamp
	Decorative Lamp	LED must be listed on qualified equipment list	$10/Lamp
	Recessed Downlight Kit	LED must be listed on qualified equipment list	$15/Fixture
	T8 TLED Lamp – Type A, A/B Dual Mode	LED must be listed on qualified equipment list	$10/Lamp
	T8 TLED Lamp – Type B	LED must be listed on qualified equipment list	$15/Lamp
	T8 TLED Lamp – Type C	LED must be listed on qualified equipment list	$25/Lamp
	T5 TLED Lamp	LED must be listed on qualified equipment list	$15/Lamp
	HID Replacement Lamp < 40 W	LED must be listed on qualified equipment list	$50/Lamp
	HID Replacement Lamp ≥ 40 and < 80 W	LED must be listed on qualified equipment list	$70/Lamp
	HID Replacement Lamp ≥ 80 and < 150 W	LED must be listed on qualified equipment list	$90/Lamp
	HID Replacement Lamp ≥ 150W	LED must be listed on qualified equipment list	$110/Lamp
	Wall Pack Fixture	LED must be listed on qualified equipment list	$30/Fixture
	~~Wall Pack Fixture with Occupancy Sensor~~	~~LED must be listed on qualified equipment list~~	~~$75/Fixture~~
	Troffer Kit/Fixture	LED must be listed on qualified equipment list	$30/Fixture

(continued)

ELECTRIC SERVICE SCHEDULE NO. 140 - Continued

	Linear Ambient Kit/Fixture	LED must be listed on qualified equipment list	$20/Fixture

ELECTRIC SERVICE SCHEDULE NO. 140 – Continued

Table 14 – HVAC Check-up Incentives

Measure	Category	Eligibility Requirements	Incentive "up to"
Maintenance Agreement	3 year maintenance agreement	Maintenance agreements must include a minimum of two system checks per year (heating and cooling seasons), one condenser coil cleaning per year, and a thermostat reprogramming and calibration.	$75/-RTU
Thermostats	Programmable Thermostat	Replace existing non-programmable or residential thermostat with a commercial programmable thermostat with a minimum of 7-day occupied/unoccupied settings.	$50/Thermostat
	Smart Thermostat	Replace non-programmable thermostat or residential thermostat with a commercial programmable smart thermostat with a minimum of 7-day occupied/unoccupied settings. Smart thermostats must be Wi-Fi enabled, online dashboard and/or mobile device app, with occupancy sensor enabled.	
Economizer	Economizer Repair	--	$150/RTU
	Economizer Replacement		
Refrigerant	Proper Refrigerant Charge	--	$35/Ton RTU Capacity

Notes for Table 14:

1. Incentives are capped at 70 percent of qualifying cost. Qualifying costs are subject to Company approval.

ROCKY MOUNTAIN POWER

ELECTRIC SERVICE SCHEDULE NO. 140

STATE OF UTAH

Non-Residential Energy Efficiency

PURPOSE: This Schedule is intended to maximize the efficient utilization of electricity for new and existing non-residential loads through the installation of energy efficiency measures and energy management protocols.

APPLICABLE: To service under the Company's General Service Schedules listed on Schedule 193. This Schedule is applicable to new and existing non-residential facilities and dairy barns served on the company's residential rate schedules. This Schedule is not applicable to offset customer generation.

CUSTOMER PARTICIPATION: Customer participation is voluntary and is initiated by following the participation procedures on the Utah energy efficiency section of the Company website. The Company shall have the right to qualify participants, at its discretion, based on criteria the Company considers necessary to ensure the effective operation of the measures and utility system. Criteria may include, but will not be limited to cost effectiveness. The Company may limit participation levels, as approved by the Commission. Any Commission-approved limits will be described on the Company's website. In the event that there is a participation dispute that is not resolved by the Company the customer may elect to follow the process outlined at http://www.psc.state.ut.us/complaints/index.html

Eligible facilities of similar size, operations and ability to participate will be treated in a fair and consistent manner in respect to participation under this schedule.

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ELECTRIC SERVICE SCHEDULE NO. 140 - Continued

Table 1b – New Construction/Major Renovation Lighting Incentives

Measure	Category	Eligibility Requirements	Incentive "up to"
Interior Lighting	Troffer	Product must meet program requirements and be listed on qualified equipment list.	$10/Fixture
	Linear Ambient		$10/Fixture
	Highbay		$20/Fixture
	Other (not listed above)		$0.50/Fixture Wattage
	Advanced Lighting Controls		$0.80/W controlled**
Exterior Lighting	Advanced Lighting Controls		$0.40/W controlled**

** Lighting controls required by the applicable version of the state energy code are not eligible for incentives.

Table 2 - Motor Incentives

Equipment Type	Size Category	Sub-Category	Minimum Efficiency Requirement	Incentive "up to"
Electronically Commutated Motor (ECM) – Retrofit Only	≤ 1 horsepower	Refrigeration application	--	$1/watt
		HVAC application	--	$50/horsepower
Variable-Frequency Drives (HVAC fans and pumps)	≤ 100 horsepower	HVAC fans and pumps	See Note 2	$65/horsepower
Green Motor Rewinds	≥ 15 and ≤ 5,000 horsepower	--	Must meet GMPG Standards	$1/horsepower Refer to Note 3

Notes for Table 2:

1. Equipment that meets or exceeds the efficiency requirements listed for the equipment category in the above table may qualify for the listed incentive.
2. Throttling or bypass devices, such as inlet vanes, bypass dampers, three-way valves, or throttling valves must be removed or permanently disabled to qualify for HVAC fan or pump VFD incentives. VFDs required by or used to comply with the applicable version of the energy code are not eligible for incentives. Savings will only be realized for installations where a variable load is present.
3. For Green Motor Rewinds, the participating electric motor service center is paid $2/horsepower for eligible Green Motor Rewinds. A minimum of $1/horsepower is paid by the service center to the Customer as a credit on the motor rewind invoice. The balance is retained by the service center. Green Motor Rewind motors that are installed or placed in inventory may qualify for an incentive.

ECM = Electronically Commutated Motor
GMPG = Green Motors Practices Group
HVAC = Heating, Ventilation and Air Conditioning
NEMA = National Electrical Manufacturer's Association
VFD = Variable Frequency Drive

(continued)

ELECTRIC SERVICE SCHEDULE NO. 140 - Continued

Table 3a – HVAC Incentives

Equipment Type	Category	Minimum Efficiency Requirements	Customer Incentive "up to"
Unitary Commercial Air Conditioners	Air-Cooled – Split Systems Only	As defined in CEE Commercial Unitary Air-conditioning and Heat Pumps Specification	$75/ton
	Water Cooled	As defined in CEE Commercial Unitary Air-conditioning and Heat Pumps Specification	$75/ton
	Evaporatively Cooled	As defined in CEE Commercial Unitary Air-conditioning and Heat Pumps Specification	$75/ton
Packaged Terminal Air Conditioners (PTAC)	≤ 8,000 Btu/hr	12.2 EER	$25/ton
	> 8,000 Btu/hr and < 10,500 Btu/hr	11.9 EER	
	≥ 10,500 Btu/hr and ≤ 13,500 Btu/hr	10.7 EER	
	> 13,500 Btu/hr	9.9 EER	
Packaged Terminal Heat Pumps (PTHP) (Heating & Cooling Mode)	≤ 8,000 Btu/hr	12.2 EER and 3.4 COP	$50/ton
	> 8,000 Btu/hr and < 10,500 Btu/hr	11.5 EER and 3.3 COP	
	≥ 10,500 Btu/hr and ≤ 13,500 Btu/hr	10.7 EER and 3.1 COP	
	> 13,500 Btu/hr	9.8 EER and 3.0 COP	
Unitary Commercial Heat Pumps (See Note 3)	Air-Cooled	As defined in CEE Commercial Unitary Air-conditioning and Heat Pumps Specification	$75/ton
	Water Cooled	As defined in CEE Commercial Unitary Air-conditioning and Heat Pumps Specification	$75/ton
	Ground Source	As defined in ENERGY STAR Program Requirements for Geothermal Heat Pumps	$50/ton
	Groundwater Source	As defined in ENERGY STAR Program Requirements for Geothermal Heat Pumps	$50/ton
Heat Pump Loop (See Note 5)	Ground Source, Closed Loop	--	$25/ton
	Groundwater Source, Open Loop	--	$25/ton
VRF Heat Pumps	Air Cooled	As defined in CEE Commercial Unitary Air-conditioning and Heat Pumps Specification	$150/ton
	Water Cooled		$150/ton

(continued)

ELECTRIC SERVICE SCHEDULE NO. 140 - Continued

Table 3a – HVAC Incentives (Continued)

Notes for table 3a - HVAC equipment incentive table

1. Equipment that meets or exceeds the efficiency requirements listed for the size category in the above table may qualify for the listed incentive. Equipment must meet all listed efficiency requirements to qualify for the listed incentives.
2. PTHPs can replace electric resistive heating, which must be removed.
3. Incentives for heat pumps are available per ton of cooling capacity ONLY. No incentives are paid per ton of heating capacity. Heat Pumps must meet both the cooling mode and heating mode efficiency requirements to qualify for per ton cooling efficiency incentives.
4. Equipment size categories and capacities are specified in terms of net cooling capacity at AHRI standard conditions as determined by AHRI Standard 210/240 for units <65,000 Btu/hr, AHRI Standard 340/360 for units ≥65,000 Btu/hr, AHRI Standard 310/380 for PTAC and PTHP units, and AHRI Standard 1230 for VRF systems.
5. Ground and Water Source Heat Pumps must meet or exceed listed efficiency requirements when rated in accordance with ISO-13256-1 to qualify for the listed incentive.
6. Efficiency requirements align with the Unitary Air-Conditioning and Heat Pump Specification maintained by the Consortium for Energy Efficiency for equipment with heating sections other than electric resistance. CEE minimum efficiency requirements are listed on the Company website.

AHRI = Air-Conditioning, Heating, and Refrigeration Institute
CEE = Consortium for Energy Efficiency
COP = Coefficient of Performance
EER = Energy Efficiency Ratio
HSPF = Heating Seasonal Performance Factor
HVAC = Heating, Ventilation and Air-Conditioning
IEER = Integrated Energy Efficiency Ratio
PTAC = Packaged Terminal Air Conditioner
PTHP = Packaged Terminal Heat Pump
SEER = Seasonal Energy Efficiency Ratio
VFR = Variable Refrigerant Flow

(continued)

ELECTRIC SERVICE SCHEDULE NO. 140 - Continued

Table 3b –Other HVAC Incentives

Equipment Type	Size Category	Sub-Category	Minimum Efficiency Requirement	Incentive "up to"
Evaporative Cooling	All sizes	Direct or Indirect		$0.06/ CFM
Indirect-Direct Evaporative Cooling (IDEC)	All sizes	--	Applicable system components must exceed minimum efficiencies required by energy code	$0.15/kWh annual energy savings See Note 2
Chillers	All except chillers intended for backup service only	Serving primarily occupant comfort cooling loads (no more than 20% for process cooling loads)	Must exceed minimum efficiencies required by energy code	$0.15/kWh annual energy savings See Note 3
365/366 day Programmable or Occupancy-based Thermostat	All sizes in portable classrooms with mechanical cooling	Must be installed in portable classroom unoccupied during summer months	365/366 day thermostatic or occupancy based setback capability	$150/thermostat
Occupancy Based PTHP/PTAC control	All sizes with no prior occupancy based control		See Note 4	$50/controller
Evaporative Pre-cooler (Retrofit Only)		For single air-cooled packaged rooftop or matched split system condensers only	Minimum performance efficiency of 75%. Must have enthalpy controls to control pre-cooler operation. Water supply must have chemical or mechanical water treatment.	$75/ton of attached cooling capacity (See Note 5)
Advanced Rooftop Unit Control (Retrofit)	≥ 5 tons and ≤ 10 tons	Must be installed on existing unitary packaged rooftop units (no split-systems), ≥ 5 tons nominal cooling capacity with constant speed supply fans.	Controls must include: - Either a supply fan VFD or multi-speed supply fan motor with controller that meets ventilation and space conditioning needs - Digital, integrated economizer control	$2,000
	> 10 tons and ≤ 15 tons			$2,800
	> 15 tons and ≤ 20 tons			$4,000
	> 20 tons			$4,500
Advanced Rooftop Unit Control (New RTU)	≥ 5 tons and ≤ 10 tons	Must be installed unitary packaged rooftop units (no split-systems), ≥ 5 tons nominal cooling capacity.	Controls must include: - Either a supply fan VFD or multi-speed supply fan motor with controller that meets ventilation and space conditioning needs - Digital, integrated economizer control	$1,200
	> 10 tons and ≤ 15 tons			$1,800
	> 15 tons and ≤ 20 tons			$2,500
	> 20 tons			$2,800
Advanced Rooftop Unit Control (DCV Only)	≥ 5 tons and ≤ 10 tons	Must be installed unitary packaged rooftop units (no split-systems), ≥ 5 tons nominal cooling capacity.	Controls must include digital, integrated economizer control with either an existing supply fan VFD or an existing multi-speed supply fan motor and controller that meets ventilation and space conditioning needs	$500
	> 10 tons and ≤ 15 tons			$600
	> 15 tons and ≤ 20 tons			$700
	> 20 tons			$800

(continued)

ELECTRIC SERVICE SCHEDULE NO. 140 - Continued

Table 5 – Food Service Equipment Incentives

Equipment Type	Equipment Category	Minimum Efficiency Requirement	Incentive/Unit "up to"
Residential Dishwasher	Used in a Business	See Wattsmart Homes Program	See offering in Schedule 111.
Commercial Dishwasher (High Temperature models w/ electric boosters only)	Under Counter	ENERGY STAR Qualified	$100
	Single Tank Stationary (Door Type)		$400
	Single Tank Conveyor		$1,000
	Multiple Tank Conveyor		$500
Electric Insulated Holding Cabinet	V ≥ 28 (Double Size)	ENERGY STAR Qualified	$700
	13 ≤ V < 28 (Full Size)		$300
	V < 13 (Half Size)		$200
Electric Steam Cooker	All sizes	ENERGY STAR Qualified	$300
Electric Convection Oven	Full Size	ENERGY STAR Qualified	$350
	Half Size		
Electric Fryer	Width < 18 inches (Standard)	ENERGY STAR Qualified	$300
	Width ≥ 18 inches (Large)		
Electric Griddle	All sizes	ENERGY STAR Tier 2 Qualified	$150
Electric Combination Oven	≤ 15 pans	ENERGY STAR Qualified	$1,000
	16-28 pans	ENERGY STAR Qualified	$500
Ice Machines (Air-Cooled Only)	Harvest Rate < 500 lbs/day	ENERGY STAR Qualified	$125
	Harvest Rate ≥ 500 lbs/day		$150
Residential Refrigerator	Used in a Business	See Wattsmart Homes Program	See offering in Schedule 111.
Residential Freezer	Used in a Business	See Wattsmart Homes Program	See offering in Schedule 111.

(continued)

ELECTRIC SERVICE SCHEDULE NO. 140 - Continued

Table 5 – Food Service Equipment Incentives (Continued)

Equipment Type	Equipment Category	Minimum Efficiency Requirement	Incentive/Unit "up to"
Commercial Transparent Door Refrigerator	0 < V < 15	ENERGY STAR Qualified	$25
	15 ≤ V < 30		$50
	30 ≤ V < 50		$75
	50 ≤ V		$125
	Chest Configuration		$50
Commercial Transparent Door Freezer	0 < V < 15	ENERGY STAR Qualified	$25
	15 ≤ V < 30		$50
	30 ≤ V < 50		$75
	50 ≤ V		$100
	Chest Configuration		$100
Demand Controlled Kitchen Ventilation Exhaust Hood (Retrofit Only)	Must be installed on commercial kitchen exhaust system.	Variable speed motors must be controlled to vary fan speed depending upon kitchen demand, as indicated by connected sensors.	$0.15/kWh annual energy savings (See note 3)
Anti-Sweat Heater Controls (Retrofit Only)	Low-Temp (Freezing) Cases	Controls that reduce energy consumption of anti-sweat heaters based on sensing humidity.	$20/linear foot (case length)
	Med-Temp (Refrigerated) Cases		$16/linear foot (case length)

Notes for Table 5:

1. Equipment that meets or exceeds the efficiency requirements listed for the equipment category in the above table may qualify for the listed incentive.
2. Refer to Company's Wattsmart Homes program for efficiency requirements and incentives for listed residential appliances used in a business.
3. Incentives are paid at $0.15/kWh annual energy savings. Demand controlled kitchen ventilation exhaust hood energy savings subject to approval by Company.

CEE = Consortium for Energy Efficiency
MDEC = Maximum Daily Energy Consumption
V = Association of Home Appliance Manufacturers (AHAM) Volume (cubic feet)

(continued)

ELECTRIC SERVICE SCHEDULE NO. 140 - Continued

Table 6 – Office Equipment Incentives

Equipment Type	Minimum Efficiency Requirements	Incentive "up to"
Smart Plug Strip	1. Incentive applies to any plug strip on Qualified Product List that eliminates idle or stand-by power consumption of connected plug-load appliance through the use of an electric load sensor. 2. Applies only to electric plug-load applications (e.g. computer monitors)	$5/qualifying unit

Notes for Table 6:

1. Equipment that meets or exceeds the efficiency requirements listed for the equipment category in the above table may qualify for the listed incentive.

Table 7 – Appliance Incentives

Equipment Type	Equipment Category	Minimum Efficiency Requirement	Incentive "up to"
High-Efficiency Clothes Washer	Residential (used in a business)	See Wattsmart Homes Program	See offering in Schedule 111.
	Commercial (must have electric water heating and/or electric clothes dryer)	ENERGY STAR Qualified	$100
Heat Pump Water Heater	Residential (used in a business)	See Wattsmart Homes Program	

Notes for Table 7:

1. Equipment that meets or exceeds the efficiency requirements listed for the equipment category in the above table may qualify for the listed incentive.
2. Equipment must meet the efficiency rating standard that is in effect on the date of purchase.
3. Refer to Company's Wattsmart Homes program for efficiency requirements and incentives for listed residential appliances used in a business.

(continued)

ELECTRIC SERVICE SCHEDULE NO. 140 - Continued

Table 8a - Irrigation Incentives – Measures for Wheel Line, Hand Line, or Other Portable Systems (Retrofit Only)

Irrigation Measure	Replace	With	Limitations (including but not limited to)	Incentive "up to"
New rotating sprinkler replacing worn or leaking impact or rotating sprinkler	Leaking or malfunctioning impact or rotating sprinkler	Rotating sprinkler	1. Fixed-in-place (solid set) systems not eligible. 2. Incentive limited to two sprinklers per irrigated acre.	$2.50 each
New or rebuilt impact sprinkler replacing worn or leaking impact sprinkler	Leaking or malfunctioning impact sprinkler	New or rebuilt impact sprinkler	1. New nozzle shall be included in new or rebuilt sprinkler. Rebuilt sprinkler shall meet or exceed manufacturer's specifications. 2. Fixed-in-place (solid set) systems not eligible. 3. Incentive limited to two sprinklers per irrigated acre.	$2.25 each
New nozzle replacing worn nozzle of same design flow or less on existing sprinkler	Worn nozzle	New nozzle (including flow control nozzles) of same design flow or less	1. Flow rate shall not be increased. 2. All nozzles on the wheel line or hand line shall be replaced. 3. Fixed-in-place (solid set) systems not eligible. 4. Incentive limited to two nozzles per irrigated acre.	$0.50 each
New gasket replacing leaking gasket, including mainline valve or section gasket, seal, or riser cap (dome disc)	Leaking gasket	New gasket, including mainline valve or section gasket, seal, or riser cap (dome disc)	1. New gasket must replace leaking gasket. 2. Fixed-in-place (solid set) systems not eligible. 3. Incentive limited to two gaskets per irrigated acre.	$2 each
New drain replacing leaking drain	Leaking drain	New drain, including drains on pivots and linears	1. New drain must replace leaking drain. 2. Fixed-in-place (solid set) systems not eligible. 3. Incentive limited to two drains per irrigated acre.	$3 each

(continued)

ELECTRIC SERVICE SCHEDULE NO. 140 - Continued

Table 8a - Irrigation Incentives – Measures for Wheel Line, hand Line, or Other Portable Systems (Retrofit Only) (Continued)

Irrigation Measure	Replace	With	Limitations (including but not limited to)	Incentive "up to"
Cut and press or weld repair of leaking wheel line, hand line, or portable main line	Leak in wheel line, hand line, or portable main line	Cut and pipe press or weld repair	For rebuilds, invoice must show number of rebuild kits purchased and installed.	$10/repair
New or rebuilt wheel line leveler replacing leaking or malfunctioning leveler	Leaking or malfunctioning leveler	New or rebuilt leveler	1. Applies to leaking or malfunctioning levelers only. 2. For rebuilds, invoice must show number of rebuild kits purchased and installed.	$3 each

Table 8b - Irrigation Incentives – Measures for Pivots and Linear Systems (Retrofit Only)

Irrigation Measure	Replace	With	Limitations (including but not limited to)	Incentive "up to"
Pressure regulator	Worn pressure regulator	New pressure regulator of same design pressure or less	New regulator must be of same design pressure or less	$3 each
Low pressure sprinkler (e.g. rotating, wobbling, multi-trajectory spray) replacing impact sprinkler	Impact sprinkler	New low pressure sprinkler (on-board nozzle is considered part of sprinkler, not a separate item with additional incentive)	New sprinkler is of same design flow or less	$3 each
Low pressure sprinkler (e.g. rotating, wobbling, multi-trajectory spray) replacing worn low pressure sprinkler	Worn low pressure sprinkler (e.g. rotating, wobbling, multi-trajectory spray)	New low pressure sprinkler (on-board nozzle is considered part of sprinkler, not a separate item with additional incentive)	New sprinkler is of same design flow or less	$1.50 each

(continued)

ELECTRIC SERVICE SCHEDULE NO. 140 - Continued

Table 8c - Irrigation Incentives – Measures for Any Type of System (Retrofit or New Construction, Including Non-Agricultural Irrigation Applications)

Irrigation Measure	Replace	With	Limitations	Incentive "up to"
Irrigation pump VFD		Add variable frequency drive to existing or new irrigation pump	1. Pumps serving any type of irrigation water transport or distribution system are eligible – wheel lines, hand lines, pivots, linears, fixed-in-place (solid set). 2. Both retrofit and new construction projects are eligible.	$0.15/kWh annual savings

Notes for Irrigation Incentive Tables:

1. Equipment that meets or exceeds the requirements listed above may qualify for the listed incentive.
2. Except for the pump VFD measure, incentives listed here are available only for retrofit projects where new equipment replaces existing equipment (i.e. new construction is not eligible).
3. Except for the pump VFD measure, equipment installed in fixed-in-place (solid set) systems is not eligible. Incentive is limited to two units per irrigated acre.
4. Incentives are capped at 70 percent of Energy Efficiency Costs, and incentives will not be available to reduce the Energy Efficiency Project simple payback below one year. Energy savings and Energy Efficiency Project Costs are subject to Company approval.

VFD = Variable Frequency Drive

(continued)

ELECTRIC SERVICE SCHEDULE NO. 140 - Continued

Table 9 – Farm and Dairy Equipment Incentives

Equipment Type	Equipment Category	Minimum Efficiency Requirements	Incentive "up to"
High-efficiency Circulating fan (See Note 2)	12-23" Diameter	Fan must achieve an efficiency level of 11 cfm/W	$25/fan
	24-35" Diameter	Fan must achieve an efficiency level of 18 cfm/W	$35/fan
	36-47" Diameter	Fans must achieve an efficiency level of 18 cfm/W	$50/fan
	≥48" Diameter	Fans must achieve an efficiency level of 25 cfm/W	$75/fan
Heat Recovery	--	Heat recovery unit must use heat rejected from milk cooling refrigeration system to heat water. Customer must use electricity for water heating.	$0.15/kWh annual energy savings
High-efficiency Ventilation Fan (See Note 2)	12-23" Diameter	Fan must achieve an efficiency level of 11 cfm/W	$45/fan
	24-35" Diameter	Fan must achieve an efficiency level of 13 cfm/W	$75/fan
	36-47" Diameter	Fan must achieve an efficiency level of 17 cfm/W	$125/fan
	≥48" Diameter	Fan must achieve an efficiency level of 19.5 cfm/W	$150/fan
Milk Pre-cooler (Retrofit Only)	--	The equipment must cool milk with well-water before it reaches the bulk cooling tank. New construction not eligible.	$0.15/kWh annual energy savings

(continued)

ELECTRIC SERVICE SCHEDULE NO. 140 - Continued
Small Business Direct Install (Retrofit only)

Incentives and participation for small business direct installations may include but not be limited to lighting, plug load, HVAC measures, and areas being canvassed. Participating customers are required to pay for up to 25% of the qualifying equipment costs.

Table 12 – Incentives for Small Business Direct Installation (Retrofit only)

Eligible Customer Rate Schedules	Eligibility Requirements	Incentive "up to"	Customer Co-pay "up to"	
			Minimum	Maximum
6	Non-residential facilities not in excess of 200 kW demand monthly in the last twelve months.	$5,000 per facility	10%	25%
6a	Non-residential facilities not in excess of 200 kW demand monthly in the last twelve months.	$5,000 per facility	10%	25%
6b	Non-residential facilities not in excess of 200 kW demand monthly in the last twelve months.	$5,000 per facility	10%	25%
23		$5,000 per facility	10%	25%

Table 13a – Mid-Market Incentives -Lighting

Measure	Category	Eligibility Requirements	Incentive "up to"
LED	A-19 Lamp < 8 W, Medium Base	LED must be listed on qualified equipment list	$5/Lamp
	A-19 Lamp ≥ 8 W, Medium Base	LED must be listed on qualified equipment list	$5/Lamp
	A-21 Lamp > 12 W, Medium Base	LED must be listed on qualified equipment list	$10/Lamp
	PAR Reflector Lamp	LED must be listed on qualified equipment list	$15/Lamp
	BR Reflector Lamp	LED must be listed on qualified equipment list	$13/Lamp
	MR16 Reflector Lamp	LED must be listed on qualified equipment list	$10/Lamp
	PLC Pin-based Lamp < 10 W	LED must be listed on qualified equipment list	$10/Lamp
	PLC Pin-based Lamp ≥ 10 W	LED must be listed on qualified equipment list	$15/Lamp
	PLL Pin-based Lamp	LED must be listed on qualified equipment list	$15/Lamp
	Decorative Lamp	LED must be listed on qualified equipment list	$10/Lamp
	Recessed Downlight Kit	LED must be listed on qualified equipment list	$15/Fixture
	T8 TLED Lamp – Type A, A/B Dual Mode	LED must be listed on qualified equipment list	$10/Lamp
	T8 TLED Lamp – Type B	LED must be listed on qualified equipment list	$15/Lamp
	T8 TLED Lamp – Type C	LED must be listed on qualified equipment list	$25/Lamp
	T5 TLED Lamp	LED must be listed on qualified equipment list	$15/Lamp
	HID Replacement Lamp < 40 W	LED must be listed on qualified equipment list	$50/Lamp
	HID Replacement Lamp ≥ 40 and < 80 W	LED must be listed on qualified equipment list	$70/Lamp
	HID Replacement Lamp ≥ 80 and < 150 W	LED must be listed on qualified equipment list	$90/Lamp
	HID Replacement Lamp ≥ 150W	LED must be listed on qualified equipment list	$110/Lamp
	Wall Pack Fixture	LED must be listed on qualified equipment list	$30/Fixture
	Troffer Kit/Fixture	LED must be listed on qualified equipment list	$30/Fixture
	Linear Ambient Kit/Fixture	LED must be listed on qualified equipment list	$20/Fixture

(continued)

ELECTRIC SERVICE SCHEDULE NO. 140 – Continued

Table 14 – HVAC Check-up Incentives

Measure	Category	Eligibility Requirements	Incentive "up to"
Maintenance Agreement	3 year maintenance agreement	Maintenance agreements must include a minimum of two system checks per year (heating and cooling seasons), one condenser coil cleaning per year, and a thermostat reprogramming and calibration.	$75/RTU
Thermostats	Programmable Thermostat	Replace existing non-programmable or residential thermostat with a commercial programmable thermostat with a minimum of 7-day occupied/unoccupied settings.	$50/Thermostat
	Smart Thermostat	Replace non-programmable thermostat or residential thermostat with a commercial programmable smart thermostat with a minimum of 7-day occupied/unoccupied settings. Smart thermostats must be Wi-Fi enabled, online dashboard and/or mobile device app, with occupancy sensor enabled.	
Economizer	Economizer Repair	--	$150/RTU
	Economizer Replacement		
Refrigerant	Proper Refrigerant Charge	--	$35/Ton RTU Capacity

Notes for Table 14:

1. Incentives are capped at 70 percent of qualifying cost. Qualifying costs are subject to Company approval.

Exhibit C

Guidehouse

Memorandum

To: Elaine Prause, PacifiCorp

From: David Basak, Guidehouse

Date: August 4, 2020

Re: Cost Effectiveness for the Utah Wattsmart Business Program Non-Managed Accounts - Expected Participation

Guidehouse has developed this memo in response to PacifiCorp's proposed Wattsmart Business Program Non-Managed Accounts cost-effectiveness modeling needs in the state of Utah. Each scenario is analyzed using modeled assumptions provided by PacifiCorp. These scenarios utilize the following assumptions:

- **Scenarios:** Ran cost-effectiveness for program years 2020 and 2021.
- ***Avoided Costs:*** Guidehouse performed a custom analysis of calculating avoided costs by using the *2019 IRP D*ecrement and applied against Utah specific commercial, industrial, and irrigation end-use specific load shapes.
- ***Energy Rates:*** Utilized the rates provided by PacifiCorp for PY2020 and applied an escalation of 2.28% to arrive at estimated energy rates for PY2021.
- ***Line Loss Factors:*** Commercial, industrial and irrigation line loss factor utilized throughout the analysis.

This memo will begin by addressing the inputs used in the analysis of the Utah Wattsmart Business Program Non-Managed Accounts. The cost-effectiveness inputs are as follows:

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Table 1 - Utility Inputs

Parameter	PY2020	PY2021
Discount Rate	6.92%	6.92%
Commercial Line Loss	5.86%	5.86%
Industrial Line Loss	4.40%	4.40%
Irrigation Line Loss	6.34%	6.34%
Commercial Energy Rate ($/kWh)[1]	$0.0817	$0.0835
Industrial Energy Rate ($/kWh)[1]	$0.0598	$0.0611
Irrigation Energy Rate ($/kWh)[1]	$0.0781	$0.0799
Inflation Rate	2.28%	2.28%

[1] Future rates determined using a 2.28% annual escalator.

Table 2 –Program Costs by Scenario and Program Year (Expected Participation)

Program Year	Program Delivery	Program Development	Incentives	Total Utility Costs	Gross Customer Costs
2020	$6,303,530	$9,800	$10,337,896	$16,651,226	$37,954,919
2021	$6,807,198	$9,800	$10,064,300	$16,881,298	$38,826,303
2020-2021	**$13,110,728**	**$19,600**	**$20,402,196**	**$33,532,524**	**$76,781,222**

Table 3 – Program Savings by Scenario and Program Year (Expected Participation)

Program Year	Gross kWh Savings	Realization Rate	Adjusted Gross kWh Savings	Net to Gross Ratio	Net kWh Savings	Measure Life
2020	81,122,929	98%	79,182,210	86%	68,218,971	15
2021	81,214,401	98%	79,403,432	85%	67,173,060	15
2020-2021	**162,337,330**	**98%**	**158,585,642**	**85%**	**135,392,031**	**15**

Table 4 - Benefit/Cost Ratios by Measure Category (Expected Participation)

Program Year	PTRC	TRC	UCT	RIM	PCT
2020	0.99	0.90	1.93	0.41	2.17
2021	0.99	0.90	2.00	0.42	2.18
2020-2021	**0.99**	**0.90**	**1.96**	**0.41**	**2.18**

Table 5 through Table 7 provide cost-effectiveness results for the combination of PY2020 and PY2021 followed by the individual program year results.

Table 5 – Wattsmart Business Program Level Cost-Effectiveness Results - PY2020 and PY2021 (Expected Participation)

Cost-Effectiveness Test	Levelized $/kWh	Costs	Benefits	Net Benefits	Benefit/Cost Ratio
Total Resource Cost Test (PTRC) + Conservation Adder	$0.0511	$73,010,129	$72,397,119	-$613,010	0.99
Total Resource Cost Test (TRC) No Adder	$0.0511	$73,010,129	$65,815,563	-$7,194,567	0.90
Utility Cost Test (UCT)	$0.0235	$33,532,524	$65,815,563	$32,283,038	1.96
Rate Impact Test (RIM)		$159,033,950	$65,815,563	-$93,218,387	0.41
Participant Cost Test (PCT)		$76,781,222	$167,262,536	$90,481,315	2.18
Lifecycle Revenue Impacts ($/kWh)					$0.0000100388
Discounted Participant Payback (years)					5.51

Table 6 – Wattsmart Business Program Level Cost-Effectiveness Results - PY2020 (Expected Participation)

Cost-Effectiveness Test	Levelized $/kWh	Costs	Benefits	Net Benefits	Benefit/Cost Ratio
Total Resource Cost Test (PTRC) + Conservation Adder	$0.0499	$35,676,983	$35,332,538	-$344,445	0.99
Total Resource Cost Test (TRC) No Adder	$0.0499	$35,676,983	$32,120,489	-$3,556,494	0.90
Utility Cost Test (UCT)	$0.0233	$16,651,226	$32,120,489	$15,469,262	1.93
Rate Impact Test (RIM)		$78,830,015	$32,120,489	-$46,709,526	0.41
Participant Cost Test (PCT)		$37,954,919	$82,450,170	$44,495,251	2.17
Lifecycle Revenue Impacts ($/kWh)					$0.0000105854
Discounted Participant Payback (years)					5.40

Table 7 – Wattsmart Business Program Level Cost-Effectiveness Results - PY2021 (Expected Participation)

Cost-Effectiveness Test	Levelized $/kWh	Costs	Benefits	Net Benefits	Benefit/Cost Ratio
Total Resource Cost Test (PTRC) + Conservation Adder	$0.0524	$37,333,147	$37,064,582	-$268,565	0.99
Total Resource Cost Test (TRC) No Adder	$0.0524	$37,333,147	$33,695,074	-$3,638,073	0.90
Utility Cost Test (UCT)	$0.0237	$16,881,298	$33,695,074	$16,813,776	2.00
Rate Impact Test (RIM)		$80,203,934	$33,695,074	-$46,508,860	0.42
Participant Cost Test (PCT)		$38,826,303	$84,812,367	$45,986,064	2.18
Lifecycle Revenue Impacts ($/kWh)					$0.0000095439
Discounted Participant Payback (years)					5.62

Table 8 and 9 provide cost-effectiveness results for the measure categories by delivery channel for each program year.

Table 8 – Wattsmart Business Measure Category Level Cost-Effectiveness Results - PY2020

Delivery Channel	Measure Category	P-TRC Benefits ($)	P-TRC Costs ($)	P-TRC Test	TRC Benefits ($)	TRC Costs ($)	TRC Test	Utility PV Benefits ($)	Utility PV Costs ($)	Utility Cost Test	Ratepayer PV Benefits ($)	Ratepayer PV Costs ($)	RIM Test	Participant PV Benefits ($)	Participant PV Cost ($)	PCT Test
Midstream	HVAC - no PF	$147,202	$4,512,081	0.03	$133,820	$4,512,081	0.03	$133,820	$224,511	0.60	$133,820	$477,823	0.28	$634,408	$7,855,386	0.08
Midstream	Lighting	$6,651,063	$4,838,240	1.37	$6,046,420	$4,838,240	1.25	$6,046,420	$2,396,508	2.52	$6,046,420	$14,736,525	0.41	$14,717,237	$3,954,408	3.72
Trade Ally/PF	PF	$2,640,296	$3,564,568	0.74	$2,400,269	$3,564,568	0.67	$2,400,269	$1,439,762	1.67	$2,400,269	$5,983,325	0.40	$6,884,505	$3,988,076	1.73
Trade Ally/PF	Building Shell	$479,604	$2,566,582	0.19	$436,004	$2,566,582	0.17	$436,004	$236,537	1.84	$436,004	$1,012,164	0.43	$1,166,003	$3,257,219	0.36
Trade Ally/PF	Food Service Equipment	$161,430	$259,718	0.62	$146,754	$259,718	0.57	$146,754	$51,843	2.83	$146,754	$310,024	0.47	$366,504	$308,772	1.19
Trade Ally/PF	HVAC	$1,554,215	$2,294,584	0.68	$1,412,922	$2,294,584	0.62	$1,412,922	$1,546,329	0.91	$1,412,922	$4,220,906	0.33	$5,874,187	$3,386,319	1.73
Trade Ally/PF	Lighting	$20,786,107	$14,942,778	1.39	$18,896,461	$14,942,778	1.26	$18,896,461	$8,882,893	2.13	$18,896,461	$46,107,165	0.41	$46,751,500	$13,083,067	3.57
Trade Ally/PF	Motors	$111,872	$313,565	0.36	$101,702	$313,565	0.32	$101,702	$64,843	1.57	$101,702	$264,189	0.38	$255,594	$314,245	0.81
Farm/irrigation	Irrigation	$983,775	$860,479	1.14	$894,341	$860,479	1.04	$894,341	$644,828	1.39	$894,341	$2,158,703	0.41	$2,219,809	$657,168	3.38
Farm/irrigation	Compressed Air	$277,022	$374,591	0.74	$251,838	$374,591	0.67	$251,838	$209,229	1.20	$251,838	$563,188	0.45	$546,530	$333,979	1.64
Farm/irrigation	Farm & Dairy	$35,868	$33,210	1.08	$32,608	$33,210	0.98	$32,608	$22,009	1.48	$32,608	$81,928	0.40	$86,207	$27,293	3.16
Farm/irrigation	Refrigeration	$281,083	$223,450	1.26	$255,530	$223,450	1.14	$255,530	$172,464	1.48	$255,530	$642,023	0.40	$675,555	$167,294	4.04
Farm/irrigation	Motors	$612,643	$446,568	1.37	$556,948	$446,568	1.25	$556,948	$379,735	1.47	$556,948	$1,136,026	0.49	$1,136,066	$310,846	3.65
Farm/irrigation	Refrigeration	$610,358	$446,567	1.37	$554,871	$446,567	1.24	$554,871	$379,735	1.46	$554,871	$1,136,026	0.49	$1,136,065	$310,845	3.65

Table 9– Wattsmart Business Measure Category Level Cost-Effectiveness Results - PY2021

Delivery Channel	Measure Category	P-TRC Benefits ($)	P-TRC Costs ($)	P-TRC Test	TRC Benefits ($)	TRC Costs ($)	TRC Test	Utility PV Benefits ($)	Utility PV Costs ($)	Utility Cost Test	Ratepayer PV Benefits ($)	Ratepayer PV Costs ($)	RIM Test	Participant PV Benefits ($)	Participant PV Cost ($)	PCT Test
Midstream	HVAC - no PF	$1,117,967	$5,058,287	0.22	$1,016,334	$5,058,287	0.20	$1,016,334	$1,480,201	0.69	$1,016,334	$3,358,187	0.30	$4,507,847	$8,405,651	0.54
Midstream	Lighting - no PF	$4,374,405	$3,410,201	1.28	$3,976,732	$3,410,201	1.17	$3,976,732	$1,509,196	2.64	$3,976,732	$9,432,364	0.42	$9,385,102	$2,834,427	3.31
Trade Ally/PF	PF	$2,233,450	$2,699,275	0.83	$2,030,409	$2,699,275	0.75	$2,030,409	$1,031,192	1.97	$2,030,409	$4,782,991	0.42	$5,494,464	$2,928,908	1.88
Trade Ally/PF	Building Shell - no PF	$606,995	$1,127,420	0.54	$551,814	$1,127,420	0.49	$551,814	$253,786	2.17	$551,814	$1,221,992	0.45	$1,405,599	$1,322,733	1.06
Trade Ally/PF	Food Service Equipment - no PF	$134,798	$65,184	2.07	$122,543	$65,184	1.88	$122,543	$57,839	2.12	$122,543	$284,004	0.43	$321,835	$41,572	7.74
Trade Ally/PF	HVAC - no PF	$1,987,497	$2,326,793	0.85	$1,806,816	$2,326,793	0.78	$1,806,816	$1,558,392	1.16	$1,806,816	$4,897,034	0.37	$6,927,085	$3,224,948	2.15
Trade Ally/PF	Lighting - no PF	$22,802,025	$19,490,117	1.17	$20,729,113	$19,490,117	1.06	$20,729,113	$8,572,746	2.42	$20,729,113	$48,292,946	0.43	$48,740,233	$17,592,344	2.77
Trade Ally/PF	Direct Install Lighting - no PF	$714,778	$683,863	1.05	$649,798	$683,863	0.95	$649,798	$537,859	1.21	$649,798	$1,806,450	0.36	$1,809,772	$617,275	2.93
Trade Ally/PF	Motors - no PF	$144,449	$87,141	1.66	$131,318	$87,141	1.51	$131,318	$72,087	1.82	$131,318	$320,928	0.41	$307,354	$51,020	6.02
Farm/irrigation	Irrigation	$1,033,808	$860,479	1.20	$939,825	$860,479	1.09	$939,825	$644,828	1.46	$939,825	$2,193,219	0.43	$2,263,500	$657,168	3.44
Farm/irrigation	Compressed Air	$291,986	$374,591	0.78	$265,442	$374,591	0.71	$265,442	$209,229	1.27	$265,442	$571,258	0.46	$556,746	$333,979	1.67
Farm/irrigation	Farm & Dairy	$37,770	$33,210	1.14	$34,336	$33,210	1.03	$34,336	$22,009	1.56	$34,336	$83,294	0.41	$87,937	$27,293	3.22
Farm/irrigation	Refrigeration	$295,983	$223,450	1.32	$269,075	$223,450	1.20	$269,075	$172,464	1.56	$269,075	$652,729	0.41	$689,106	$167,294	4.12
Farm/irrigation	Motors	$645,958	$446,568	1.45	$587,234	$446,568	1.31	$587,234	$379,735	1.55	$587,234	$1,153,270	0.51	$1,157,893	$310,846	3.72
Farm/irrigation	Refrigeration	$642,712	$446,567	1.44	$584,284	$446,567	1.31	$584,284	$379,735	1.54	$584,284	$1,153,269	0.51	$1,157,893	$310,845	3.72

Exhibit D

Guidehouse

Memorandum

To: Elaine Prause, PacifiCorp

From: David Basak, Guidehouse

Date: August 4, 2020

Re: Cost Effectiveness for the Utah Wattsmart Business Program Non-Managed Accounts – High (+10%) Participation

Guidehouse has developed this memo in response to PacifiCorp's proposed Wattsmart Business Program Non-Managed Accounts cost-effectiveness modeling needs in the state of Utah. Each scenario is analyzed using modeled assumptions provided by PacifiCorp. These scenarios utilize the following assumptions:

- **Scenarios:** Ran cost-effectiveness for program years 2020 and 2021.
- ***Avoided Costs:*** Guidehouse performed a custom analysis of calculating avoided costs by using the *2019 IRP D*ecrement and applied against Utah specific commercial, industrial, and irrigation end-use specific load shapes.
- ***Energy Rates:*** Utilized the rates provided by PacifiCorp for PY2020 and applied an escalation of 2.28% to arrive at estimated energy rates for PY2021.
- ***Line Loss Factors:*** Commercial, industrial and irrigation line loss factor utilized throughout the analysis.

This memo will begin by addressing the inputs used in the analysis of the Utah Wattsmart Business Program Non-Managed Accounts. The cost-effectiveness inputs are as follows:

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Table 1 - Utility Inputs

Parameter	PY2020	PY2021
Discount Rate	6.92%	6.92%
Commercial Line Loss	5.86%	5.86%
Industrial Line Loss	4.40%	4.40%
Irrigation Line Loss	6.34%	6.34%
Commercial Energy Rate ($/kWh)[1]	$0.0817	$0.0835
Industrial Energy Rate ($/kWh)[1]	$0.0598	$0.0611
Irrigation Energy Rate ($/kWh)[1]	$0.0781	$0.0799
Inflation Rate	2.28%	2.28%

[1] Future rates determined using a 2.28% annual escalator.

Table 2 –Program Costs by Scenario and Program Year (High Participation)

Program Year	Program Delivery	Program Development	Incentives	Total Utility Costs	Gross Customer Costs
2020	$6,303,530	$9,800	$11,371,686	$17,685,016	$41,750,410
2021	$6,807,198	$9,800	$11,070,730	$17,887,728	$42,708,933
2020-2021	**$13,110,728**	**$19,600**	**$22,442,416**	**$35,572,744**	**$84,459,344**

Table 3 – Program Savings by Scenario and Program Year (High Participation)

Program Year	Gross kWh Savings	Realization Rate	Adjusted Gross kWh Savings	Net to Gross Ratio	Net kWh Savings	Measure Life
2020	89,235,222	98%	87,100,431	86%	75,040,868	15
2021	89,335,841	98%	87,343,775	85%	73,890,366	15
2020-2021	**178,571,063**	**98%**	**174,444,206**	**85%**	**148,931,234**	**15**

Table 4 - Benefit/Cost Ratios by Measure Category (High Participation)

Program Year	PTRC	TRC	UCT	RIM	PCT
2020	1.01	0.92	2.00	0.41	2.17
2021	1.01	0.92	2.07	0.42	2.18
2020-2021	**1.01**	**0.92**	**2.04**	**0.42**	**2.18**

Table 5 through Table 7 provide cost-effectiveness results for the combination of PY2020 and PY2021 followed by the individual program year results.

Table 5 – Wattsmart Business Program Level Cost-Effectiveness Results - PY2020 and PY2021 (High Participation)

Cost-Effectiveness Test	Levelized $/kWh	Costs	Benefits	Net Benefits	Benefit/Cost Ratio
Total Resource Cost Test (PTRC) + Conservation Adder	$0.0503	$78,998,110	$79,636,831	$638,722	1.01
Total Resource Cost Test (TRC) No Adder	$0.0503	$78,998,110	$72,397,119	-$6,600,990	0.92
Utility Cost Test (UCT)	$0.0226	$35,572,744	$72,397,119	$36,824,375	2.04
Rate Impact Test (RIM)		$173,624,312	$72,397,119	-$101,227,193	0.42
Participant Cost Test (PCT)		$84,459,344	$183,988,790	$99,529,446	2.18
Lifecycle Revenue Impacts ($/kWh)					$0.0000109013
Discounted Participant Payback (years)					5.51

Table 6 – Wattsmart Business Program Level Cost-Effectiveness Results - PY2020 (High Participation)

Cost-Effectiveness Test	Levelized $/kWh	Costs	Benefits	Net Benefits	Benefit/Cost Ratio
Total Resource Cost Test (PTRC) + Conservation Adder	$0.0491	$38,613,348	$38,865,791	$252,444	1.01
Total Resource Cost Test (TRC) No Adder	$0.0491	$38,613,348	$35,332,538	-$3,280,810	0.92
Utility Cost Test (UCT)	$0.0225	$17,685,016	$35,332,538	$17,647,522	2.00
Rate Impact Test (RIM)		$86,081,684	$35,332,538	-$50,749,146	0.41
Participant Cost Test (PCT)		$41,750,410	$90,695,187	$48,944,776	2.17
Lifecycle Revenue Impacts ($/kWh)					$0.0000115009
Discounted Participant Payback (years)					5.40

Table 7 – Wattsmart Business Program Level Cost-Effectiveness Results - PY2021 (High Participation)

Cost-Effectiveness Test	Levelized $/kWh	Costs	Benefits	Net Benefits	Benefit/Cost Ratio
Total Resource Cost Test (PTRC) + Conservation Adder	$0.0515	$40,384,762	$40,771,040	$386,278	1.01
Total Resource Cost Test (TRC) No Adder	$0.0515	$40,384,762	$37,064,582	-$3,320,180	0.92
Utility Cost Test (UCT)	$0.0228	$17,887,728	$37,064,582	$19,176,854	2.07
Rate Impact Test (RIM)		$87,542,628	$37,064,582	-$50,478,047	0.42
Participant Cost Test (PCT)		$42,708,933	$93,293,603	$50,584,670	2.18
Lifecycle Revenue Impacts ($/kWh)					$0.0000103584
Discounted Participant Payback (years)					5.62

Table 8 and 9 provide cost-effectiveness results for the measure categories by delivery channel for each program year.

Table 8 – Wattsmart Business Measure Category Level Cost-Effectiveness Results - PY2020

Delivery Channel	Measure Category	P-TRC Benefits ($)	P-TRC Costs ($)	P-TRC Test	TRC Benefits ($)	TRC Costs ($)	TRC Test	Utility PV Benefits ($)	Utility PV Costs ($)	Utility Cost Test	Ratepayer PV Benefits ($)	Ratepayer PV Costs ($)	RIM Test	Participant PV Benefits ($)	Participant PV Cost ($)	PCT Test
Midstream	HVAC - no PF	$161,922	$4,959,838	0.03	$147,202	$4,959,838	0.03	$147,202	$243,511	0.60	$147,202	$522,155	0.28	$697,848	$8,640,925	0.08
Midstream	Lighting	$7,316,169	$5,198,091	1.41	$6,651,063	$5,198,091	1.28	$6,651,063	$2,512,186	2.65	$6,651,063	$16,086,204	0.41	$16,188,961	$4,349,849	3.72
Trade Ally/PF	PF	$2,904,325	$3,867,662	0.75	$2,640,296	$3,867,662	0.68	$2,640,296	$1,530,375	1.73	$2,640,296	$6,528,295	0.40	$7,572,955	$4,386,884	1.73
Trade Ally/PF	Building Shell	$527,565	$2,814,131	0.19	$479,604	$2,814,131	0.17	$479,604	$251,081	1.91	$479,604	$1,104,271	0.43	$1,282,604	$3,582,941	0.36
Trade Ally/PF	Food Service Equipment	$177,573	$283,185	0.63	$161,430	$283,185	0.57	$161,430	$54,522	2.96	$161,430	$338,521	0.48	$403,154	$339,650	1.19
Trade Ally/PF	HVAC	$1,709,636	$2,487,604	0.69	$1,554,215	$2,487,604	0.62	$1,554,215	$1,664,524	0.93	$1,554,215	$4,606,559	0.34	$6,461,606	$3,724,951	1.73
Trade Ally/PF	Lighting	$22,864,718	$16,133,337	1.42	$20,786,107	$16,133,337	1.29	$20,786,107	$9,467,464	2.20	$20,786,107	$50,414,163	0.41	$51,426,650	$14,391,374	3.57
Trade Ally/PF	Motors	$123,059	$341,847	0.36	$111,872	$341,847	0.33	$111,872	$68,253	1.64	$111,872	$287,534	0.39	$281,154	$345,669	0.81
Farm/irrigation	Irrigation	$1,082,153	$912,396	1.19	$983,775	$912,396	1.08	$983,775	$675,179	1.46	$983,775	$2,340,441	0.42	$2,441,789	$722,885	3.38
Farm/irrigation	Compressed Air	$304,724	$400,975	0.76	$277,022	$400,975	0.69	$277,022	$219,077	1.26	$277,022	$608,432	0.46	$601,183	$367,377	1.64
Farm/irrigation	Farm & Dairy	$39,455	$35,367	1.12	$35,868	$35,367	1.01	$35,868	$23,045	1.56	$35,868	$88,956	0.40	$94,828	$30,022	3.16
Farm/irrigation	Refrigeration	$309,191	$236,666	1.31	$281,083	$236,666	1.19	$281,083	$180,581	1.56	$281,083	$697,096	0.40	$743,110	$184,023	4.04
Farm/irrigation	Motors	$673,907	$471,125	1.43	$612,643	$471,125	1.30	$612,643	$397,609	1.54	$612,643	$1,229,529	0.50	$1,249,673	$341,931	3.65
Farm/irrigation	Refrigeration	$671,394	$471,124	1.43	$610,358	$471,124	1.30	$610,358	$397,609	1.54	$610,358	$1,229,528	0.50	$1,249,672	$341,930	3.65

Table 9– Wattsmart Business Measure Category Level Cost-Effectiveness Results - PY2021

Delivery Channel	Measure Category	P-TRC Benefits ($)	P-TRC Costs ($)	P-TRC Test	TRC Benefits ($)	TRC Costs ($)	TRC Test	Utility PV Benefits ($)	Utility PV Costs ($)	Utility Cost Test	Ratepayer PV Benefits ($)	Ratepayer PV Costs ($)	RIM Test	Participant PV Benefits ($)	Participant PV Cost ($)	PCT Test
Midstream	HVAC - no PF	$1,229,764	$5,537,409	0.22	$1,117,967	$5,537,409	0.20	$1,117,967	$1,601,515	0.70	$1,117,967	$3,667,299	0.30	$4,958,632	$9,246,216	0.54
Midstream	Lighting - no PF	$4,811,846	$3,668,133	1.31	$4,374,405	$3,668,133	1.19	$4,374,405	$1,577,028	2.77	$4,374,405	$10,292,513	0.43	$10,323,612	$3,117,870	3.31
Trade Ally/PF	PF	$2,456,795	$2,921,872	0.84	$2,233,450	$2,921,872	0.76	$2,233,450	$1,086,981	2.05	$2,233,450	$5,213,959	0.43	$6,043,911	$3,221,799	1.88
Trade Ally/PF	Building Shell - no PF	$667,695	$1,227,948	0.54	$606,995	$1,227,948	0.49	$606,995	$266,950	2.27	$606,995	$1,331,977	0.46	$1,546,159	$1,455,006	1.06
Trade Ally/PF	Food Service Equipment - no PF	$148,277	$68,343	2.17	$134,798	$68,343	1.97	$134,798	$60,264	2.24	$134,798	$309,045	0.44	$354,019	$45,729	7.74
Trade Ally/PF	HVAC - no PF	$2,186,247	$2,510,615	0.87	$1,987,497	$2,510,615	0.79	$1,987,497	$1,665,374	1.19	$1,987,497	$5,337,880	0.37	$7,619,794	$3,547,443	2.15
Trade Ally/PF	Lighting - no PF	$25,082,227	$21,091,020	1.19	$22,802,025	$21,091,020	1.08	$22,802,025	$9,081,912	2.51	$22,802,025	$52,774,132	0.43	$53,614,257	$19,351,578	2.77
Trade Ally/PF	Direct Install Lighting - no PF	$786,256	$740,035	1.06	$714,778	$740,035	0.97	$714,778	$579,431	1.23	$714,778	$1,974,880	0.36	$1,990,749	$679,003	2.93
Trade Ally/PF	Motors - no PF	$158,894	$91,733	1.73	$144,449	$91,733	1.57	$144,449	$75,173	1.92	$144,449	$348,899	0.41	$338,090	$56,122	6.02
Farm/irrigation	Irrigation	$1,137,189	$912,396	1.25	$1,033,808	$912,396	1.13	$1,033,808	$675,179	1.53	$1,033,808	$2,378,409	0.43	$2,489,850	$722,885	3.44
Farm/irrigation	Compressed Air	$321,185	$400,975	0.80	$291,986	$400,975	0.73	$291,986	$219,077	1.33	$291,986	$617,309	0.47	$612,420	$367,377	1.67
Farm/irrigation	Farm & Dairy	$41,547	$35,367	1.17	$37,770	$35,367	1.07	$37,770	$23,045	1.64	$37,770	$90,459	0.42	$96,730	$30,022	3.22
Farm/irrigation	Refrigeration	$325,581	$236,666	1.38	$295,983	$236,666	1.25	$295,983	$180,581	1.64	$295,983	$708,873	0.42	$758,017	$184,023	4.12
Farm/irrigation	Motors	$710,554	$471,125	1.51	$645,958	$471,125	1.37	$645,958	$397,609	1.62	$645,958	$1,248,497	0.52	$1,273,682	$341,931	3.72
Farm/irrigation	Refrigeration	$706,984	$471,124	1.50	$642,712	$471,124	1.36	$642,712	$397,609	1.62	$642,712	$1,248,496	0.51	$1,273,682	$341,930	3.72

Exhibit E

Guidehouse

Memorandum

To: Elaine Prause, PacifiCorp

From: David Basak, Guidehouse

Date: August 4, 2020

Re: Cost Effectiveness for the Utah Wattsmart Business Program Non-Managed Accounts – Low (-10%) Participation

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- ***Line Loss Factors:*** Commercial, industrial and irrigation line loss factor utilized throughout the analysis.

This memo will begin by addressing the inputs used in the analysis of the Utah Wattsmart Business Program Non-Managed Accounts. The cost-effectiveness inputs are as follows:

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Suite 100 | Boulder, CO 80302
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Table 1 - Utility Inputs

Parameter	PY2020	PY2021
Discount Rate	6.92%	6.92%
Commercial Line Loss	5.86%	5.86%
Industrial Line Loss	4.40%	4.40%
Irrigation Line Loss	6.34%	6.34%
Commercial Energy Rate ($/kWh)[1]	$0.0817	$0.0835
Industrial Energy Rate ($/kWh)[1]	$0.0598	$0.0611
Irrigation Energy Rate ($/kWh)[1]	$0.0781	$0.0799
Inflation Rate	2.28%	2.28%

[1] Future rates determined using a 2.28% annual escalator.

Table 2 –Program Costs by Scenario and Program Year (Low Participation)

Program Year	Program Delivery	Program Development	Incentives	Total Utility Costs	Gross Customer Costs
2020	$6,303,530	$9,800	$9,304,107	$15,617,437	$34,159,427
2021	$6,807,198	$9,800	$9,057,870	$15,874,868	$34,943,673
2020-2021	**$13,110,728**	**$19,600**	**$18,361,977**	**$31,492,305**	**$69,103,099**

Table 3 – Program Savings by Scenario and Program Year (Low Participation)

Program Year	Gross kWh Savings	Realization Rate	Adjusted Gross kWh Savings	Net to Gross Ratio	Net kWh Savings	Measure Life
2020	73,010,636	98%	71,263,989	86%	61,397,074	15
2021	73,092,961	98%	71,463,089	85%	60,455,754	15
2020-2021	**146,103,597**	**98%**	**142,727,078**	**85%**	**121,852,827**	**15**

Table 4 - Benefit/Cost Ratios by Measure Category (Low Participation)

Program Year	PTRC	TRC	UCT	RIM	PCT
2020	0.97	0.88	1.85	0.40	2.17
2021	0.97	0.88	1.91	0.42	2.18
2020-2021	**0.97**	**0.88**	**1.88**	**0.41**	**2.18**

Table 5 through Table 7 provide cost-effectiveness results for the combination of PY2020 and PY2021 followed by the individual program year results.

Table 5 – Wattsmart Business Program Level Cost-Effectiveness Results - PY2020 and PY2021 (Low Participation)

Cost-Effectiveness Test	Levelized $/kWh	Costs	Benefits	Net Benefits	Benefit/Cost Ratio
Total Resource Cost Test (PTRC) + Conservation Adder	$0.0522	$67,022,149	$65,157,407	-$1,864,742	0.97
Total Resource Cost Test (TRC) No Adder	$0.0522	$67,022,149	$59,234,007	-$7,788,143	0.88
Utility Cost Test (UCT)	$0.0245	$31,492,305	$59,234,007	$27,741,702	1.88
Rate Impact Test (RIM)		$144,443,588	$59,234,007	-$85,209,581	0.41
Participant Cost Test (PCT)		$69,103,099	$150,536,283	$81,433,183	2.18
Lifecycle Revenue Impacts ($/kWh)					$0.0000091764
Discounted Participant Payback (years)					5.51

Table 6 – Wattsmart Business Program Level Cost-Effectiveness Results - PY2020 (Low Participation)

Cost-Effectiveness Test	Levelized $/kWh	Costs	Benefits	Net Benefits	Benefit/Cost Ratio
Total Resource Cost Test (PTRC) + Conservation Adder	$0.0508	$32,740,617	$31,799,284	-$941,333	0.97
Total Resource Cost Test (TRC) No Adder	$0.0508	$32,740,617	$28,908,440	-$3,832,177	0.88
Utility Cost Test (UCT)	$0.0243	$15,617,437	$28,908,440	$13,291,003	1.85
Rate Impact Test (RIM)		$71,578,347	$28,908,440	-$42,669,907	0.40
Participant Cost Test (PCT)		$34,159,427	$74,205,153	$40,045,726	2.17
Lifecycle Revenue Impacts ($/kWh)					$0.0000096700
Discounted Participant Payback (years)					5.40

Table 7 – Wattsmart Business Program Level Cost-Effectiveness Results - PY2021 (Low Participation)

Cost-Effectiveness Test	Levelized $/kWh	Costs	Benefits	Net Benefits	Benefit/Cost Ratio
Total Resource Cost Test (PTRC) + Conservation Adder	$0.0535	$34,281,532	$33,358,123	-$923,409	0.97
Total Resource Cost Test (TRC) No Adder	$0.0535	$34,281,532	$30,325,567	-$3,955,965	0.88
Utility Cost Test (UCT)	$0.0248	$15,874,868	$30,325,567	$14,450,699	1.91
Rate Impact Test (RIM)		$72,865,241	$30,325,567	-$42,539,674	0.42
Participant Cost Test (PCT)		$34,943,673	$76,331,130	$41,387,457	2.18
Lifecycle Revenue Impacts ($/kWh)					$0.0000087294
Discounted Participant Payback (years)					5.62

Table 8 and 9 provide cost-effectiveness results for the measure categories by delivery channel for each program year.

Table 8 – Wattsmart Business Measure Category Level Cost-Effectiveness Results - PY2020

Delivery Channel	Measure Category	P-TRC Benefits ($)	P-TRC Costs ($)	P-TRC Test	TRC Benefits ($)	TRC Costs ($)	TRC Test	Utility PV Benefits ($)	Utility PV Costs ($)	Utility Cost Test	Ratepayer PV Benefits ($)	Ratepayer PV Costs ($)	RIM Test	Participant PV Benefits ($)	Participant PV Cost ($)	PCT Test
Midstream	HVAC - no PF	$132,481	$4,064,324	0.03	$120,438	$4,064,324	0.03	$120,438	$205,511	0.59	$120,438	$433,492	0.28	$570,967	$7,069,848	0.08
Midstream	Lighting	$5,985,956	$4,478,389	1.34	$5,441,778	$4,478,389	1.22	$5,441,778	$2,280,830	2.39	$5,441,778	$13,386,845	0.41	$13,245,513	$3,558,967	3.72
Trade Ally/PF	PF	$2,376,266	$3,261,475	0.73	$2,160,242	$3,261,475	0.66	$2,160,242	$1,349,148	1.60	$2,160,242	$5,438,356	0.40	$6,196,054	$3,589,269	1.73
Trade Ally/PF	Building Shell	$431,644	$2,319,033	0.19	$392,403	$2,319,033	0.17	$392,403	$221,992	1.77	$392,403	$920,057	0.43	$1,049,403	$2,931,497	0.36
Trade Ally/PF	Food Service Equipment	$145,287	$236,252	0.61	$132,079	$236,252	0.56	$132,079	$49,164	2.69	$132,079	$281,527	0.47	$329,853	$277,895	1.19
Trade Ally/PF	HVAC	$1,398,793	$2,101,564	0.67	$1,271,630	$2,101,564	0.61	$1,271,630	$1,428,135	0.89	$1,271,630	$3,835,254	0.33	$5,286,768	$3,047,687	1.73
Trade Ally/PF	Lighting	$18,707,496	$13,752,218	1.36	$17,006,815	$13,752,218	1.24	$17,006,815	$8,298,323	2.05	$17,006,815	$41,800,167	0.41	$42,076,350	$11,774,761	3.57
Trade Ally/PF	Motors	$100,685	$285,283	0.35	$91,532	$285,283	0.32	$91,532	$61,433	1.49	$91,532	$240,845	0.38	$230,035	$282,820	0.81
Farm/irrigation	Irrigation	$885,398	$808,563	1.10	$804,907	$808,563	1.00	$804,907	$614,477	1.31	$804,907	$1,976,964	0.41	$1,997,828	$591,451	3.38
Farm/irrigation	Compressed Air	$249,320	$348,207	0.72	$226,655	$348,207	0.65	$226,655	$199,381	1.14	$226,655	$517,944	0.44	$491,877	$300,581	1.64
Farm/irrigation	Farm & Dairy	$32,281	$31,054	1.04	$29,347	$31,054	0.95	$29,347	$20,973	1.40	$29,347	$74,900	0.39	$77,586	$24,564	3.16
Farm/irrigation	Refrigeration	$252,975	$210,234	1.20	$229,977	$210,234	1.09	$229,977	$164,346	1.40	$229,977	$586,949	0.39	$607,999	$150,565	4.04
Farm/irrigation	Motors	$551,379	$422,011	1.31	$501,253	$422,011	1.19	$501,253	$361,862	1.39	$501,253	$1,042,524	0.48	$1,022,459	$279,761	3.65
Farm/irrigation	Refrigeration	$549,323	$422,010	1.30	$499,384	$422,010	1.18	$499,384	$361,862	1.38	$499,384	$1,042,523	0.48	$1,022,459	$279,761	3.65

Table 9 – Wattsmart Business Measure Category Level Cost-Effectiveness Results - PY2021

Delivery Channel	Measure Category	P-TRC Benefits ($)	P-TRC Costs ($)	P-TRC Test	TRC Benefits ($)	TRC Costs ($)	TRC Test	Utility PV Benefits ($)	Utility PV Costs ($)	Utility Cost Test	Ratepayer PV Benefits ($)	Ratepayer PV Costs ($)	RIM Test	Participant PV Benefits ($)	Participant PV Cost ($)	PCT Test
Midstream	HVAC - no PF	$1,006,170	$4,579,165	0.22	$914,700	$4,579,165	0.20	$914,700	$1,358,888	0.67	$914,700	$3,049,075	0.30	$4,057,062	$7,565,086	0.54
Midstream	Lighting - no PF	$3,936,965	$3,152,268	1.25	$3,579,059	$3,152,268	1.14	$3,579,059	$1,441,364	2.48	$3,579,059	$8,572,215	0.42	$8,446,592	$2,550,984	3.31
Trade Ally/PF	PF	$2,010,105	$2,476,678	0.81	$1,827,368	$2,476,678	0.74	$1,827,368	$975,403	1.87	$1,827,368	$4,352,022	0.42	$4,945,018	$2,636,017	1.88
Trade Ally/PF	Building Shell - no PF	$546,296	$1,026,892	0.53	$496,633	$1,026,892	0.48	$496,633	$240,622	2.06	$496,633	$1,112,007	0.45	$1,265,039	$1,190,460	1.06
Trade Ally/PF	Food Service Equipment - no PF	$121,318	$62,024	1.96	$110,289	$62,024	1.78	$110,289	$55,414	1.99	$110,289	$258,962	0.43	$289,652	$37,415	7.74
Trade Ally/PF	HVAC - no PF	$1,788,747	$2,142,971	0.83	$1,626,134	$2,142,971	0.76	$1,626,134	$1,451,410	1.12	$1,626,134	$4,456,188	0.36	$6,234,377	$2,902,453	2.15
Trade Ally/PF	Lighting - no PF	$20,521,822	$17,889,214	1.15	$18,656,202	$17,889,214	1.04	$18,656,202	$8,063,580	2.31	$18,656,202	$43,811,760	0.43	$43,866,210	$15,833,110	2.77
Trade Ally/PF	Direct Install Lighting - no PF	$643,300	$627,691	1.02	$584,818	$627,691	0.93	$584,818	$496,287	1.18	$584,818	$1,638,019	0.36	$1,628,794	$555,548	2.93
Trade Ally/PF	Motors - no PF	$130,004	$82,549	1.57	$118,186	$82,549	1.43	$118,186	$69,001	1.71	$118,186	$292,958	0.40	$276,619	$45,918	6.02
Farm/irrigation	Irrigation	$930,427	$808,563	1.15	$845,843	$808,563	1.05	$845,843	$614,477	1.38	$845,843	$2,008,029	0.42	$2,037,150	$591,451	3.44
Farm/irrigation	Compressed Air	$262,788	$348,207	0.75	$238,898	$348,207	0.69	$238,898	$199,381	1.20	$238,898	$525,207	0.45	$501,071	$300,581	1.67
Farm/irrigation	Farm & Dairy	$33,993	$31,054	1.09	$30,902	$31,054	1.00	$30,902	$20,973	1.47	$30,902	$76,130	0.41	$79,143	$24,564	3.22
Farm/irrigation	Refrigeration	$266,384	$210,234	1.27	$242,168	$210,234	1.15	$242,168	$164,346	1.47	$242,168	$596,585	0.41	$620,196	$150,565	4.12
Farm/irrigation	Motors	$581,362	$422,011	1.38	$528,511	$422,011	1.25	$528,511	$361,862	1.46	$528,511	$1,058,043	0.50	$1,042,104	$279,761	3.72
Farm/irrigation	Refrigeration	$578,441	$422,010	1.37	$525,856	$422,010	1.25	$525,856	$361,862	1.45	$525,856	$1,058,042	0.50	$1,042,103	$279,761	3.72

CERTIFICATE OF SERVICE

Advice No. 20-07
Docket No. 20-035-T06

I hereby certify that on September 2, 2020, a true and correct copy of the foregoing was served by electronic mail to the following:

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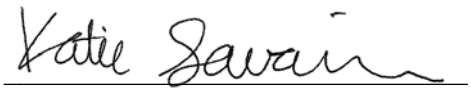

Katie Savarin
Coordinator, Regulatory Operations