

**NorthWestern Energy**  
Docket GE12-001  
**South Dakota Demand Side Management Plan**  
South Dakota Public Utility Commission (SDPUC)

Data Request May 13, 2014

PUC Hanson - Q1

Provide a comparison of the effect of moving the total resource cost (TRC) test used to qualify cost-effective prescriptive rebate measures from 0.9 to 1.0.

RESPONSE: (May 23, 2014)

Under NorthWestern's proposed plan, measures with a total resource cost (TRC) test of less than 0.9 are screened out of the portfolio. Raising the screening threshold from 0.9 to 1.0 reduces the number of measures in the program offerings.

The overall energy savings achieved during the two years of programs would be reduced since the energy savings potential is based upon savings associated with the measures included in the offering.

Incentives paid to customers through the prescriptive rebate programs are not directly related to the result of the TRC test. The TRC test only qualifies a measure for inclusion in a program offering and does not relate to the rebate amount. The reduction in measures is indirectly tied to the proposed budget, in particular the rebate budget. However, NorthWestern would not propose budget changes should the TRC be adjusted upward to 1.0 because customer participation levels are unknown at this time.

Additionally, the overall effect of increasing the TRC threshold for qualified measures would likely increase the overall cost of energy saving provided by the portfolio. This is because the overall DSM plan costs for advertising, administration, and contractor costs would essentially remain the same even though the number of measures would be smaller and the total energy savings would be reduced.

NorthWestern is unable to estimate the impact on the rebate budget or the total energy savings because we cannot know how many customers will implement the screened-out measures if they are offered.

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As noted in the plan, NorthWestern is in the process of finalizing a Natural Gas Resource Potential Study (Study) in Montana. This work is being conducted by an independent third party and it is intended that the results would be applied to the South Dakota residential and commercial/industrial natural gas programs. The new information may require revision to the natural gas measures proposed in NorthWestern's South Dakota Plan.

Shown below is the list of measures eliminated from the proposed plan should the qualifying TRC threshold be increased from 0.9 to 1.0.

2014/2015 Residential Existing Construction – Electric and Natural Gas

- Lighter Colored Shingles
- Weatherization and Door Sweeps
- Insulation (Ceiling/Attic)
- Boiler Diagnostic Testing, Repair, and Maintenance

2015/2016 Residential New Construction – Electric and Natural Gas (offered starting in program year two)

- No reduction of measures

2014/2015 Commercial Existing Construction - Electric and Natural Gas

- Automated Exhaust VFD Control – Parking Garage CO sensor
- Energy Star Printer
- Residential Size Refrigerator
- Special Glass Doors for Refrigerated Reach-in Cases

2015/2016 Commercial New Construction – Electric and Natural Gas (offered starting in program year two)

- Automated Exhaust VFD Control – Parking Garage CO sensor
- Energy Star Printer
- Residential Size Refrigerator
- Special Glass Doors for Refrigerated Reach-in Cases

The tables that follow provide the complete list of measures by program with line striking through the measures eliminated should the TRC threshold be increased from 0.9 to 1.0.

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**2014-2015 South Dakota Residential Existing Construction Program (Electric and Natural Gas)**

<b>Residential Existing Construction Electric and Natural Gas Rebate Measures</b>						
Measures	Minimum Requirements	Preferred Contractor Rebate (\$/unit)	Self-Installed or Non-Preferred Contractor Rebate (\$/unit)	Units	Qualifiers	
1 Canned Lighting Air Tight Sealing	Applicable to attic locations only	\$ 12.00	\$ 9.60	per can	Home must be heated exclusively with electricity	
2 Compact Fluorescent Lamp (CFL) Lamp	Hard-wired ballast	\$ 5.00	\$ 5.00	per unit	Energy Star rated CFL	
3 Compact Fluorescent Lamp (CFL) Fixture	Integral or modular screw-in	\$ 1.00	\$ 1.00	per unit	Energy Star rated CFL	
<del>3 Lighter Colored Shingles</del>	<del>Asphalt shingles (Energy Star rated)</del>	<del>\$ 25.00</del>	<del>\$ 25.00</del>	<del>per home</del>	<del>Home must have central cooling system</del>	
4 R-11 (Steel Doors with foam core)	Replace standard R-3 exterior door (minimum of two exterior doors)	\$ 15.00	\$ 15.00	per door	Home must be heated exclusively with electricity	
5 R-5 (Composite Doors with foam core)	Replace standard R-3 exterior door (minimum of two exterior doors)	\$ 5.00	\$ 5.00	per door	Home must be heated exclusively with electricity	
<del>6 Weatherstripping and Door Sweeps</del>	<del>Minimum of two exterior doors</del>	<del>\$ 20.00</del>	<del>\$ 20.00</del>	<del>per home</del>	<del>Home must be heated exclusively with electricity</del>	
7 Heat Pump - Ground or Water-Source (Desuperheater)	Home water heating exclusively with electricity.	\$ 75.00	NA	per unit	DHW water heating heat recovery unit with existing GSHP	
8 Duct Sealing	Mastic or aerosol duct sealing in unconditioned areas with duct blaster test	\$ 250.00	NA	per unit	Home must be heated exclusively with electricity	
9 Insulation (Basement or Crawl Space Wall)	R-0 to R21	\$ 0.30	\$ 0.24	per sqft	Home must be heated exclusively with electricity	
<del>10 Insulation (Ceiling/Attic)</del>	<del>R-0 to R-49</del>	<del>\$ -1.00</del>	<del>\$ -0.80</del>	<del>per sqft</del>	<del>Home must be heated exclusively with electricity</del>	
11 Proper Sizing - Central Air Conditioner	Completed ACCA Manual "J" Calculation form	\$ 5.00	NA	per unit	Must provide completed ACCA Manual "J" Calculation form	
12 Proper Sizing - Heat Pump	Correctly Sized Heat_Pump (Cooling And Heating Unit)	\$ 5.00	NA	per unit	Must provide completed ACCA Manual "J" Calculation form	
13 Refrigerator/Freezer - Energy Star	Energy Star rated $\geq$ 7.75 cuft	\$ 15.00	\$ 15.00	per unit	Energy Star rated $\geq$ 7.75 cuft	
14 Thermostat - Clock/Programmable	Programmable Thermostat	\$ 0.006	\$ 0.005	per square ft	Home must be heated exclusively with electricity	
15 Water Heater Tank Blanket/Insulation	Install insulation (R-5) or greater	\$ 10.00	\$ 10.00	per unit	Home water heating exclusively with electricity.	
16 Water Heater Thermostat Setback	120 degrees	\$ 3.00	\$ 3.00	per unit	Home water heating exclusively with electricity.	
17 Attic/Ceiling R-0 to R-49 Insulation	Home must be heated primarily with natural gas	\$ 0.50	\$ 0.40	per sqft	Existing R-0 increase to minimum R-49	
18 Crawlspace R-0 to R-19 Insulation	Home must be heated primarily with natural gas	\$ 0.42	\$ 0.34	per sqft	Existing R-0 increase to minimum R-19, includes rim joist insulation	
<del>19 Boiler Diagnostic Testing, Repair and Maintenance</del>		<del>\$ 75.00</del>	NA	<del>per unit</del>		
20 Heater Diagnostic Testing, Repair and Maintenance		\$ 60.00	NA	per unit		
21 High Efficiency Condensing Boiler	Home must be heated primarily with natural gas	\$ 200.00	\$ 160.00	per unit	Existing AFUE $\leq$ 82% install AFUE $\geq$ 90%; Integral water heater may qualify for multiple rebates	
22 High Efficiency Condensing Furnace	Home must be heated primarily with natural gas	\$ 135.00	\$ 108.00	per unit	Existing AFUE $\leq$ 80% install AFUE $\geq$ 90%	
23 High Efficiency Gas Room Heater	Home must be heated primarily with natural gas	\$ 106.00	\$ 85.00	per unit	Existing AFUE $\leq$ 75% install AFUE $\geq$ 80%; Must be sealed combustion direct vent; No unvented heaters.	
24 Programmable Thermostat	Home must be heated primarily with natural gas	\$ 30.00	\$ 30.00	per unit	Existing manual thermostat install programmable unit, maximum 2 per customer	
25 In-Home Energy Audit	See NOTES 2 and 3 below	NA	NA	per home	See NOTES 2 and 3 below	
<b>General notes:</b>						
The program, incentives, rebates, qualifying criteria, measures, etc are subject to change or termination without notice.						
All incentives/rebates not to exceed cost, whichever is less.						
Rebate to be approximately 50% of unit cost without regard to SPB < 1.5 years in order to maximize rebates.						
Rebate should be less than 50% of NPV of gas saved.						

NOTE 1: CFL Distribution methods for South Dakota Residential Electric customers may be: 1) Mail-In rebate and 2) CFL In-Store Coupon twice a year (Fall and Spring)

NOTE 2: South Dakota Residential electric and natural gas space and/or water heating customers may be eligible for an In-Home Energy Audit.

NOTE 3: The In-Home Energy Audit may be ran close to the same as it is in Montana including (if applicable): installation of hot water pipe wrap and water heater tank wrap, installation of water measures (1 low-flow showerhead, 2 bathroom aerators, and 1 kitchen aerator).

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**2015-2016 South Dakota Residential New Construction Program (Electric and Natural Gas)**

**Residential New Construction Electric and Natural Gas Rebate Measures**

			Preferred Contractor Rebate (\$/unit)	Self- Installed or Non- Preferred Contractor Rebate	Units	Qualifiers
Measures	Minimum Requirements					
1	Compact Fluorescent Lamp (CFL) Fixture	Hard-wired ballast	\$ 5.00	\$ 5.00	per unit	Energy Star rated CFL
2	R-11 (Steel Doors with foam core)	Replace standard R-3 exterior door (minimum of two exterior doors)	\$ 15.00	\$ 15.00	per door	Home must be heated exclusively with electricity
3	R-5 (Composite Doors with foam core)	Replace standard R-3 exterior door (minimum of two exterior doors)	\$ 5.00	\$ 5.00	per door	Home must be heated exclusively with electricity
4	Energy Star TV	Energy Star TV	\$ 2.50	\$ 2.50	per unit	Energy Star rated
5	Faucet Aerators	0.5 GPM - minimum of 3 faucets (Water Sense labeled only)	\$ 3.00	\$ 3.00	per unit	Home water heating exclusively with electricity
6	Faucet Aerators	1.5 GPM - minimum of 3 faucets (Water Sense labeled only)	\$ 2.00	\$ 2.00	per unit	Home water heating exclusively with electricity
7	Heat Pump - Ground or Water-Source (Desuperheater)	Home water heating exclusively with electricity.	\$ 75.00	NA	per unit	DHW water heating heat recovery unit with existing GSHP
8	Low-Flow Showerheads	2.00 GPM (Water Sense Labeled only)	\$ 2.00	\$ 2.00	per showerhead	Home water heating exclusively with electricity
9	Pool Pump Timers	Pool Pump Timers	\$ 25.00	\$ 25.00	per unit	Assumes a reduction of 67% in pump use. Applicable to pools and hot tubs.
10	Refrigerator/Freezer - Energy Star	Energy Star rated > 7.75 cuft	\$ 15.00	\$ 15.00	per unit	Energy Star rated > 7.75 cuft
11	Water Heater Thermostat Setback	120 degrees	\$ 3.00	\$ 3.00	per unit	Home water heating exclusively with electricity
12	High Efficiency Condensing Boiler	Home must be heated primarily with natural gas	\$ 200.00	\$ 160.00	unit	Install AFUE ≥ 90% instead of standard AFUE ≤ 82%
13	High Efficiency Condensing Furnace	Home must be heated primarily with natural gas	\$ 135.00	\$ 108.00	unit	Install AFUE ≥ 90% instead of standard AFUE ≤ 80%
<b>General notes:</b>						
The program, incentives, rebates, qualifying criteria, measures, etc are subject to change or termination without notice.						
All incentives/rebates not to exceed cost, whichever is less.						
Rebate to be approximately 50% of unit cost without regard to SPB < 1.5 years in order to maximize rebates.						
Rebate should be less than 50% of NPV of gas saved.						

NOTE 1: CFL Distribution methods for South Dakota Residential Electric customers may be: 1) Mail-In rebate and 2)CFL In-Store Coupon twice a year (Fall and Spring)

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**2014-2015 South Dakota Commercial Existing Construction Program (Electric and Natural Gas)**

**Commercial Existing Construction Electric and Natural Gas Rebate Measures**

Measures	Minimum Requirements	Rebate (\$/unit)	Units	Qualifiers
1 One or Two Lamp Fixture 1/1, 2/1 (lamp/ballast)		\$ 5.00	per fixture	Fully Electronic Ballast
2 Three Lamp Fixture 3/1, 3/2 (lamp/ballast)**		\$ 10.00	per fixture	Fully Electronic Ballast; **Tandem wired fixture using one ballast for two fixtures count as one fixture.
3 Four Lamp Fixture 4/1, 4/2 (lamp/ballast)		\$ 12.00	per fixture	Fully Electronic Ballast
4 T-8 lamp 4 foot		\$ 1.00	per lamp <sup>1</sup>	<sup>1</sup> An additional \$ 0.10/Watt saved compared to a standard 32 Watt T-8 lamp will be applied for low-Wattage T-8 lamps. Low-Wattage T-8 lamps typically produce lower lumen levels compared to standard T-8 lamps.
5 MV, HPSV or MH to T-8		\$ 0.35	per Watt saved	****On Approved Design. Difference in total Wattage between equipment removed and equipment installed.
6 Other Approved Lighting Retrofits		\$ 0.10	per Watt saved	****On Approved Design. Difference in total Wattage between equipment removed and equipment installed.
7 Compact Fluorescent Lamp (CFL)		\$ 1.00	per lamp	ENERGY STAR® approved. Replaces an incandescent lamp of no more than four times the CFL Wattage.
- Integral (screw-in) or Modular ****		\$ 1.00	per lamp	
- Hard-Wired CFL Fixture ****		\$ 5.00	per lamp	****Only ENERGY STAR rated CFLs are eligible for rebate. For a current qualified list see www.energystar.gov and follow the path for CFL lighting.
8 LED Solid State White Lighting for Exterior Landscape, Signage & Structure Only. (This rebate measure only applies to lighting not addressed by the Illuminating Engineering Society of North America (IESNA) standards or adopted code.)		\$ 0.20	per Watt saved	Must be listed on ENERGY STAR qualified commercial LED lighting list or provide independent DOE certified laboratory testing documents IESNA LM-79-08, LM-80-08 and Lighting Facts label. Independent testing documents and product criteria must be provided.
9 LED Face Exit Sign		\$ 10.00	per sign	
10 Photocell		\$ 30.00	per unit	Exterior Lighting Only.
11 Occupancy Sensor or Sweep Control Sensor rebates are available for installations where no lamp retrofit took place. Sensor rebates are available for lamp retrofit projects using the post retrofit Wattages.		\$ 0.10	per Watt controlled	<b>Lighting Wattage Controlled</b>
		\$ 0.09	per Watt controlled	100-300 Watts
		\$ 0.08	per Watt controlled	301-400 Watts
		\$ 0.07	per Watt controlled	401-600 Watts
		\$ 0.06	per Watt controlled	601-1000 Watts
		\$ 0.05	per Watt controlled	1001-3000 Watts
		\$ 0.05	per Watt controlled	more than 3000 Watts
12 Daylighting Controls - Dimming-Continuous, Fluorescent Fixtures Continuous Dimming, Fluorescent Fixtures (Day-Lighting)		\$ 0.30	sq. ft. of dimmable building area	Must be within 15 ft of daylighting source.
13 Anti-Sweat (Humidstat) Controls	Variable Temp. Controls (Humidstat)	\$ 2.00	per linear foot of case	Variable Temp. Controls (Humidstat)
<del>14 Automated Exhaust VFD Control - Parking Garage CO sensor</del>	<del>VFDs &amp; CO Sensors</del>	<del>\$ 450.00</del>	<del>per fan-HP</del>	<del>Base case is constant volume continuous duty fan(s)</del>
15 Centrifugal Chiller - VSD Remodel for Existing	Variable speed drive (VSD)	\$ 0.05	per building square foot	
16 Compressor VSD Retrofit	Refrigeration compressor VSD Retrofit	\$ 15.00	per compressor HP	Refrigeration systems only
17 Cooling Tower-Two-Speed Fan Motor	Two-Speed tower fan motor replace Single-Speed fan motor	\$ 1.25	per chiller ton	
18 Cooling Tower-VSD Fan Control	Variable-Speed tower fan motor replace Single-Speed fan motor	\$ 5.00	per chiller ton	
19 Dishwashing - Commercial Chemical System	Energy Star rated Low-Temp Commercial Dishwasher	\$ 400.00	per Measure Installed	Water heating exclusively with electricity
20 Energy Star - Computer	Energy Star rated computer	\$ 2.00	per computer	Features include enabled sleep mode
<del>21 Energy Star - Printer</del>	<del>Energy Star rated printer</del>	<del>\$ 7.00</del>	<del>per printer</del>	<del>Energy Star rated printer</del>
22 Exhaust Hood Makeup Air	Provide Makeup Air Directly at Exhaust Hood Instead of Pulling Conditioned Air	\$ 2,500.00	per Measure Installed	Central heating exclusively with electricity
23 Floating Head Pressure Control	Install Floating Head Pressure Control	\$ 50.00	per refrigeration ton	Pressure control ≤ 70 F with balanced port expansion valves
24 Hot Food Holding Cabinets - Commercial	Energy Star Commercial Hot Food Holding Cabinets	\$ 725.00	per cabinet	Energy Star Commercial Hot Food Holding Cabinets
25 Hot Water (SHW) Pipe Insulation	Install Insulation (R-4) all accessible pipe	\$ 1.50	Linear Foot	Water heating exclusively with electricity
26 Hotel Key Card or OS Room Energy Control System	Key card system or OS to control room HVAC during non-occupied periods	\$ 100.00	per room	Heating and cooling exclusively with electricity
27 Insulation (Wall) ≤ R-11 existing insulation	R-20.5 (Code) above grade walls	\$ 0.30	per sq. ft. of wall	Heating exclusively with electricity
28 Motor - Fan System - Variable Speed Control	Fan System Optimization w/ VSD	\$ 100.00	per motor horsepower	No Soft-Starts
29 Motor - Pump System - Variable Speed Control	Pump System Optimization w/ VSD	\$ 100.00	per motor horsepower	No Soft-Starts & not applicable for irrigation pumping
30 Night Covers for Display Cases (4.0 linear feet = 1.0 measure)	Night Covers for Open Refrigerated Display Cases	\$ 25.00	per Measure Installed	4.0 linear feet of night cover = 1.0 measure
31 Reduced Speed or Cycling of Evaporator Fans	VFD on Evaporator Fans (Evap Fan Control on Walk-In)	\$ 70.00	per fan HP	
32 Refrigeration with Heat Recovery	Heat Recovery from Refrigeration System. Applied to Water Heating	\$ 250.00	per refrigeration ton	Existing water heating exclusively with electricity
<del>33 Residential Size Refrigerator</del>	<del>Energy Star rated Residential Size Refrigerator ≥ 2.75 cu-ft</del>	<del>\$ 43.00</del>	<del>per unit installed</del>	<del>Replacing standard efficiency unit</del>
34 Server (Early Retirement)	Removal of inefficient standard server & replace with Energy Star qualified server	\$ 50.00	per server	Removal of inefficient standard server & replace with Energy Star qualified server
35 Server Virtualization (4:1)	Using software remove a minimum of four servers with one physical server	\$ 75.00	per unit	Using software remove a minimum of four servers with one physical server
<del>36 Special Glass Doors for Refrigerated Reach-in Cases</del>	<del>Do Not Require Anti-Sweat Heating</del>	<del>\$ 48.00</del>	<del>per linear foot of glass</del>	
37 Strip Curtains for Freezer Walk-Ins	Strip Curtains for Freezer Walk-Ins	\$ 5.00	per sqft of curtain	
38 Thermostat - Programmable	Programmable Thermostat	\$ 0.010	per sqft of control area	Applicable to spaces that are heated and cooled exclusively with a heat pump
39 Thermostat - Programmable	Programmable Thermostat	\$ 0.012	per sqft of control area	Applicable to spaces that are heated exclusively with electricity
40 Refrigerated Vending Machine	Energy Star rated Refrigerated Vending Machines - High-Efficiency	\$ 75.00	per Measure Installed	Leased equip does not apply
41 High Efficiency Furnace/Boiler ≥ 90% AFUE or ≥ 90% thermal efficiency (TE)	Facility must be heated primarily with natural gas	\$ 3.25	per kbtu-hr	Instead of installing a new standard AFUE ≤ 78% boiler/furnace
42 High Efficiency Water Heater EF ≥ 0.62 or ≥ 90% thermal efficiency (TE)	Facility must be heated primarily with natural gas	\$ 2.50	per kbtu-hr	Instead of installing a new EF ≤ 0.594 unit or ≤ 80% thermal efficiency
43 Ceiling Insulation R ≥ 38	Facility must be heated primarily with natural gas	\$ 0.30	per sq.ft.	Existing R ≤ 11
44 Exterior Wall Insulation (above grade, R ≥ 21)	Facility must be heated primarily with natural gas	\$ 0.40	per sq.ft.	Existing R ≤ 9, exterior walls only

Note: Units of kbtu-hr refer to appliance output kbtu-hr not input.  
 Note: The program, incentives, qualifying criteria, measures, etc. are subject to change or termination without notice.  
 Note: All incentives/rebates not to exceed cost, whichever is less.

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**2015-2016 South Dakota Commercial New Construction Program (Electric and Natural Gas)**

**Commercial New Construction Electric and Natural Gas Rebate Measures**

	Measures	Minimum Requirements	Rebate (\$/unit)	Units	Qualifiers
1	Compact Fluorescent Lamp (CFL)				ENERGY STAR® approved. Replaces an incandescent lamp of no more than four times the CFL Wattage.
	- Integral (screw-in) or Modular *** - Hard-Wired CFL Fixture ***		\$ 1.00 \$ 5.00	per lamp per lamp	***Only ENERGY STAR rated CFLs are eligible for rebate. For a current qualified list see www.energystar.gov and follow the path for CFL lighting. ***Only ENERGY STAR rated CFLs are eligible for rebate. For a current qualified list see www.energystar.gov and follow the path for CFL lighting.
2	LED Solid State White Lighting for Exterior Landscape, Signage & Structure Only. (This rebate measure only applies to lighting not addressed by the Illuminating Engineering Society of North America (IESNA) standards or adopted code.)		\$ 0.20	per Watt saved	Must be listed on ENERGY STAR qualified commercial LED lighting list or provide independent DOE certified laboratory testing documents IESNA LM-79-08, LM-80-08 and Lighting Facts label. Independent testing documents and product criteria must be provided.
3	MV, HPSV or MH to T-8		\$ 0.35	per Watt saved	****On Approved Design. Difference in total Wattage between equipment removed and equipment installed.
4	Anti-Sweat (Humidstat) Controls	Variable Temp. Controls (Humidstat)	\$ 2.00	per linear foot of case	Variable Temp. Controls (Humidstat)
5	<del>Automated Exhaust VFD Control - Parking Garage CO sensor</del>	<del>VFDs &amp; CO Sensors</del>	<del>\$ 450.00</del>	<del>per fan-HP</del>	<del>Base case is constant volume continuous duty fan(s).</del>
6	Automated Ventilation VFD Control (Occupancy Sensors / CO2 Sensors)	Demand Controlled Ventilation (VFD and CO2 sensors or Occ sensors)	\$ 0.07	per sqft of area controlled	Demand Controlled Ventilation (VFD and CO2 sensors or Occ sensors)
7	Cooling Tower-Decrease Approach Temperature	10 degree to 6 degree F	\$ 10.00	per chiller ton	
8	Cooling Tower-Two-Speed Fan Motor	Two-Speed tower fan motor replace Single-Speed fan motor	\$ 1.25	per chiller ton	
9	Cooling Tower-VSD Fan Control	Variable-Speed tower fan motor replace Single-Speed fan motor	\$ 5.00	per chiller ton	
10	Defrost Demand Control - Hot Gas	Refrigerant Defrost w/ Hot Gas	\$ 1.00	per compressor HP	
11	Dishwashing - Commercial Chemical System	Energy Star rated Low-Temp Commercial Dishwasher	\$ 400.00	per Measure Installed	Water heating exclusively with electricity
12	Energy Star - Computer	Energy Star rated computer	\$ 2.00	per computer	Features include enabled sleep mode
13	Energy Star - Fax	Energy Star rated fax	\$ 1.00	per fax machine	Energy Star rated fax
14	<del>Energy Star - Printers</del>	<del>Energy Star rated printer</del>	<del>\$ 7.00</del>	<del>per printer</del>	<del>Energy Star rated printer</del>
15	Energy Star - Water Cooler	Energy Star rated Water Cooler (Hot/Cold Water)	\$ 1.00	per unit	Energy Star rated Water Cooler (Hot/Cold Water)
16	Exhaust Hood Makeup Air	Provide Makeup Air Directly at Exhaust Hood Instead of Pulling Conditioned Air	\$ 2,500.00	per Measure Installed	Central heating exclusively with electricity
17	Faucet Aerators	1.5 GPM Aerator	\$ 0.15	per aerator	Water heating exclusively with electricity
18	Floating Head Pressure Control	Install Floating Head Pressure Control	\$ 50.00	per refrigeration ton	Pressure control ≤ 70 F with balanced port expansion valves
19	Hot Food Holding Cabinets - Commercial	Energy Star rated Commercial Hot Food Holding Cabinets	\$ 725.00	per cabinet	Energy Star rated Commercial Hot Food Holding Cabinets
20	Hotel Key Card or OS Room Energy Control System	Key card system or OS to control room HVAC during non-occupied periods	\$ 100.00	per room	Space heating and cooling exclusively with electricity
21	Low-Flow Showerheads	2.0 GPM Showerhead	\$ 3.00	per showerhead	Water heating exclusively with electricity
22	Motor - Fan System - Variable Speed Control	Fan System Optimization w/ VSD	\$ 100.00	per motor HP	No Soft-Starts
23	Motor - Pump System - Variable Speed Control	Pump System Optimization w/ VSD	\$ 100.00	per motor HP	No Soft-Starts & not applicable for irrigation pumping
24	Optimized Variable Volume Lab Hood Design	Optimized Variable Volume Lab Hood Design	\$ 700.00	per hood	Constant volume to variable air volume
25	PC Power Supply 80+	80% Efficient Power supply for PCs	\$ 0.50	per power supply	Energy Star 5.0 rated or better
26	Reduced Speed or Cycling of Evaporator Fans	VFD on Evaporator Fans (Evap Fan Control on Walk-In)	\$ 70.00	per fan HP	
27	Refrigeration with Heat Recovery	Heat Recovery from Refrigeration System. Applied to Water Heating	\$ 250.00	per refrigeration Ton	Water heating exclusively with electricity
28	<del>Residential-Size Refrigerator</del>	<del>Energy Star rated Residential-Size Refrigerator ≥ 7.75 cuft</del>	<del>\$ 13.00</del>	<del>per unit installed</del>	<del>Replacing standard efficiency unit</del>
29	<del>Special Glass Doors for Refrigerated Reach-in Cases</del>	<del>Do Not Require Anti-Sweat Heating</del>	<del>\$ 15.00</del>	<del>per linear foot of glass</del>	
30	Strip Curtains for Freezer Walk-Ins	Strip Curtains for Freezer Walk-Ins	\$ 5.00	per sqft of curtain	
31	Refrigerated Vending Machine	Energy Star rated Refrigerated Vending Machines - High-Efficiency	\$ 75.00	per Measure Installed	Leased equip does not apply
32	High Efficiency (Power Burner/ Premium) Furnace/Boiler ≥90% Eff	Facility must be heated primarily with natural gas	\$ 3.25	kbtu-hr	Instead of installing a new standard AFUE ≤ 78% boiler/furnace
33	High Efficiency Water Heater (EF ≥ 0.62 or ≥90% Thermal Efficiency)	Facility must be heated primarily with natural gas	\$ 2.50	kbtu-hr	Instead of installing a new EF ≤ 0.594 unit or ≤ 80% thermal efficiency
34	Stack Heat Exchanger	Facility must be heated primarily with natural gas	\$ 0.50	kbtu-hr	
35	Water Heater Tank Blanket/Insulation (R ≥ 11)	Facility must be heated primarily with natural gas	\$ 35.00	unit	Existing R-0, insulation added to tank exterior

Note: Units of kbtu-hr refer to appliance output kbtu-hr not input.

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Note: All incentives/rebates not to exceed cost, whichever is less.