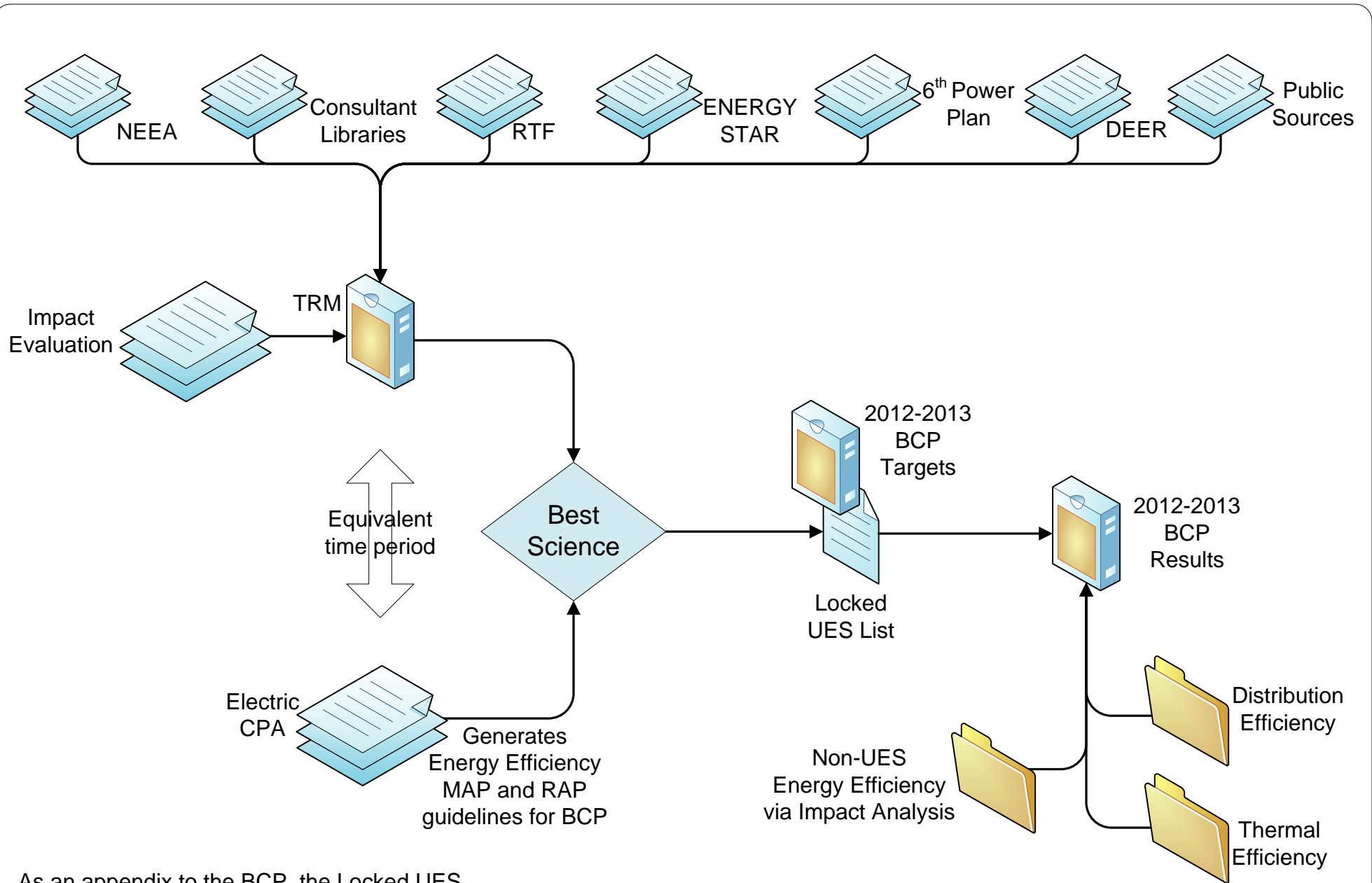


APPENDIX D

Locked UES (Unit Energy Savings) Values

Avista Locked UES for Biennial Conservation Plan



As an appendix to the BCP, the Locked UES List comprises a defined set of efficiency measures with validated energy savings specific to Avista's delivery methods. The Locked UES List is used for the planning and reporting phases of this biennial period.

Avista Utilities

Revision 1

10-31-2011

Locked UES Workflow

Baseline Technology	Efficient Technology or Measure	Savings (kWh)	Interactive savings (therms)	UOM
Residential Segment				
Roof Top Dampers Program				
Fireplace Chimney; wo/Rooftop Damper, AC, Electric Heat	Fireplace Chimney; w/Rooftop Damper, AC, Electric Heat	163.00		ea
Home Improvement Program				
Insulation; Attic; R-12, Electric Resistance Heat	Insulation; Attic; R-22, Electric Resistance Heat	1.09		sq ft
Insulation; Attic; R-12, Electric Resistance Heat	Insulation; Attic; R-32, Electric resistance heat	1.49		sq ft
Insulation; Attic; R-12, Electric Resistance Heat	Insulation; Attic; R-42, Electric Resistance heat	1.71		sq ft
Insulation; Floor; R-4, Electric Resistance Heat	Insulation; Floor; R-15, Electric resistance heat	5.26		sq ft
Insulation; Wall; R-4, Electric resistance heat	Insulation; Wall; R-15, electric resistance heat	5.26		sq ft
10' long 1/16" gap	Clear Caulk	82.00	9.50	application
6 outlets and 6 lightswitches w/o foam gaskets	Light & Switch gasket	16.70	2.40	set
17' long 1/16" gap along perimeter of door	Door V gaskets	114.20	16.20	installation
3' long 1/4" gap along bottom of door	Door Sweeps (2 Doors)	80.60	11.50	installation
10' long 1/16" gap	Rope Caulk	67.20	9.50	application
No/old pipe wrap	Domestic Hot Water Pipe Wrap	260.13	11.10	6 lineal ft
7.7 HSPF ASHP 13 SEER	7.7 HSPF ASHP 13 SEER (Manufactured Home, actually using 8.5 HSPF and 14 SEER)	343.00		ea
7.7 HSPF ASHP 13 SEER	8.5 HSPF ASHP 14 SEER (Single Family Home)	661.00		ea
Intentionally blank. Reference desired baseline energy use	Ground Source Heat Pump 12 HSPF (COP = 3.5) with EER 15	-		ea
Not Defined	Ductless Heat Pump HSPF = 9	3,500.00		ea
Fixed Speed Furnace Air Handler Fan	Variable Speed Furnace Air Handler Fan	438.55		ea
Electric Resistance Heat/FAF, 1344 SF single family home	Heat pump (Fed Min 13 SEER, 7.7 HSPF)	4,699.00		ea
Electric Resistance Heat/FAF, 2200 SF single family home	Heat pump (Fed Min 13 SEER, 7.7 HSPF)	9,578.00		ea
Gas 80 AFUE Furnace	95 AFUE Furnace	97.00		ea
10 SEER AC	13 SEER AC	90.77		ea
13 SEER AC	14 SEER AC	43.00		ea
13 SEER AC	15 SEER AC	95.20		ea
13 SEER AC	18 SEER AC	238.00		ea
No programmable thermostat	Programmable Thermostat with gas heat and AC	123.32		ea
Electric Storage 40 Gal; 0.92 EF	Electric Storage; 0.93 EF	34.20		ea
Electric Storage 50 Gal; 0.9 EF	Electric Storage; 0.93 EF	116.55		ea
Electric Storage 50 Gal; 0.9 EF	HeatPump Water Heater; COP 2.0	1,987.13		ea
Electric Storage; wo/Blanket	Electric Storage; w/Blanket; R-15	206.49		ea
ENERGY STAR Appliance				
Dishwasher; Electric DWH; EF 0.62 (355 kWh Federal standard)	Dishwasher; Electric DWH; EF 0.75 (New 2012 EnergyStar 295 kWh)	60.00		ea
Dishwasher; Electric DWH; EF 0.75 (New 2012 EnergyStar 295 kWh)	Dishwasher; Electric DWH; EF 0.80 (281 kWh)	14.00		ea
Dishwasher; Electric DWH; EF 0.80 (281 kWh)	Dishwasher; Electric DWH; EF 1.10 (195 kWh)	86.00		ea
Clothes Washer; Electric DWH; Electric Dryer; MEF 1.99	Clothes Washer; Electric DWH; Electric Dryer; MEF >2.00	502.50		ea
Clothes Washer; Gas DWH; Electric Dryer; MEF 1.99	Clothes Washer; Gas DWH; Electric Dryer; MEF >2.00	434.90	3.08	ea
Clothes Washer; Electric DWH; Gas Dryer; MEF 1.99	Clothes Washer; Electric DWH; Gas Dryer; MEF >2.00	115.10	14.82	ea
Clothes Washer; Gas DWH; Gas Dryer; MEF 1.99	Clothes Washer; Gas DWH; Gas Dryer; MEF >2.00	47.50	17.90	ea
Refrigerator; Top Freezer; w/Ice Maker	Energy Star; Refrigerator; Top Freezer; w/Ice Maker	44.00		ea
Refrigerator; Top Freezer; wo/Ice Maker	Energy Star; Refrigerator; Top Freezer; wo/Ice Maker	44.00		ea
Refrigerator; Bottom Freezer; w/Ice Maker	Energy Star; Refrigerator; Bottom Freezer; w/Ice Maker	44.00		ea
Refrigerator; Bottom Freezer; wo/Ice Maker	Energy Star; Refrigerator; Bottom Freezer; wo/Ice Maker	44.00		ea
Refrigerator; Side by Side; w/Ice Maker	Energy Star; Refrigerator; Side by Side; w/Ice Maker	44.00		ea
Refrigerator; Side by Side; wo/Ice Maker	Energy Star; Refrigerator; Side by Side; wo/Ice Maker	44.00		ea

Baseline Technology	Efficient Technology or Measure	Savings (kWh)	Interactive savings (therms)	UOM
Freezer; Chest	Energy Star; Freezer; Chest	42.00		ea
Freezer; Upright; w/Auto Defrost	Energy Star; Freezer; Upright; w/Auto Defrost	42.00		ea
Freezer; Upright; w/Mannual Defrost	Energy Star; Freezer; Upright; w/Mannual Defrost	42.00		ea
Refrigerator; any	Retire and Recycle	1,178.00		ea
Freezer;any	Retire and Recycle	1,119.00		ea
Oven; wo/Self Cleaning	Energy Star; Oven; wo/Self Cleaning	63.60		ea
Oven; w/Self Cleaning	Energy Star; Oven; w/Self Cleaning	51.20		ea
Microwave Oven	Energy Star; Microwave Oven	9.80		ea
Dishwasher - CEE Tier 2; Electric DWH; EF 0.75	Dishwasher - Tier 3; Electric DWH; EF 1.10	99.55		ea
Dishwasher - CEE Tier 2; Gas DWH; EF 0.75	Dishwasher - Tier 3; Gas DWH; EF 1.10	62.70	1.68	ea
Dishwasher - Tier 3; Electric DWH; EF 1.10	Dishwasher - Tier 4; Electric DWH; > EF 1.11	20.66		ea
Dishwasher - Tier 3; Gas DWH; EF 1.10	Dishwasher - Tier 4; Gas DWH; EF > 1.11	20.66		ea

Baseline Technology	Efficient Technology or Measure	Savings (kWh)	Interactive savings (therms)	UOM
Commercial Segment				
Prescriptive Lighting				
2-Lamp T12 U-Lamp	2-Lamp F17T8	120.37	(4.80)	ea
4-Lamp T12	4-Lamp T8 (4-Foot)	194.15	(7.74)	ea
4-Lamp T12	3-Lamp T8 (4-Foot)	333.94	(13.31)	ea
4-Lamp T12	2-Lamp T8 (4-Foot)	384.42	(15.32)	ea
3-Lamp T12	3-Lamp T8 (4-Foot)	205.80	(8.20)	ea
3-Lamp T12	2-Lamp T8 (4-Foot)	256.28	(10.21)	ea
2-Lamp T12	2-Lamp T8 (4-Foot)	69.89	(2.79)	ea
2-Lamp T12	1-Lamp T8 (4-Foot)	194.15	(7.74)	ea
1-Lamp T12	1-lamp T8 (4-Foot)	69.89	(2.79)	ea
4-Lamp T12 Fixture	4-Lamp T8 Fixture/Retrofit: (8)4 foot or (4)8 foot lamps	380.53	(15.17)	ea
2-Lamp T12 Fixture	2-Lamp T8 Fixture/Retrofit: (4)4 foot or (2)8 foot lamps	190.27	(7.58)	ea
2-Lamp T12 Fixture	2-Lamp T5 High-Output fixture	217.45	(8.67)	ea
2-Lamp T12 HO or VHO Fixture	2-Lamp T8 High-Output Fixture/Retrofit	376.65	(15.01)	ea
2-Lamp T12 HO or VHO Fixture	4-Lamp T5 High-Output Fixture	896.97	(35.75)	ea
2-Lamp T12 HO or VHO Fixture	2-Lamp T5 High-Output 5-foot Fixture	298.99	(11.92)	ea
1-Lamp T12 Fixture	1-Lamp T8 Fixture/Retrofit: (2)4 foot or (1)8 foot lamps	112.61	(4.49)	ea
1-Lamp T12 Fixture	1-Lamp T5 Fixture High-Output Fixture	124.26	(4.95)	ea
250 watt HID Fixture	4-Lamp T8 FixtureHO or 2-Lamp T5HO 5-foot Fixture	411.60	(16.40)	ea
400 watt HID Fixture	4-Lamp T5 High-Output Fixture	850.38	(33.89)	ea
400 watt HID Fixture	6-Lamp T5 High-Output Fixture	392.18	(15.63)	ea
400 watt HID Fixture	6-Lamp T8 Fixture (4-Foot Lamps)	1,044.53	(41.63)	ea
400 watt HID Fixture	8-Lamp T8 Fixture (4-Foot Lamps)	896.97	(35.75)	ea
400 watt HID Fixture	200 Watt Induction Fluorescent Fixture	896.97	(35.75)	ea
1000 watt HID Fixture	(2 fixtures) 6-Lamp T-5 High-Output	1,405.65	(56.02)	ea
1000 watt HID Fixture	400 Watt Induction Fluorescent Fixture	2,601.61	(103.69)	ea
100 watt or less Incandescent	Compact Fluorescent Lamp (30 watt or Less)	190.27	(7.58)	ea
Over 100 Watt to 200 watt Incandescent	Compact Fluorescent Lamp or Fixture (40-55 watt)	341.70	(13.62)	ea
Over 200 watt Incandescent	Compact Fluorescent Lamp or Fixture (55-65 watt)	497.02	(19.81)	ea
60 watt or greater Incandescent	Dimmable Compact Fluorescent or Cold Cathode**	201.92	(8.05)	ea
100 watt or greater incandescent flood	Ceramic Metal Halide (25 watt)	368.89	(14.70)	ea
150 watt or greater incandescent	New Linear T8 Fluorescent Fixture	462.08	(18.42)	ea
90 watt or greater incandescent	15 watt or less LED	330.06	(13.15)	ea
120 watt or greater incandescent	20 watt or less LED	403.83	(16.09)	ea
20-30 watt Incandescent	LED or Low-Wattage Equivalent	77.66	(3.10)	ea
20-60 watt Incandescent	Cold Cathode	85.43	(3.40)	ea
Incandescent Exit Sign	LED Exit Signs	245.28	(9.78)	ea
Manual Light Switch	Occupancy sensor controlled wall switch	61.16	(2.44)	ea
Fixture with no Occupancy Sensor	Built in Occupancy Sensor in fixture	229.10	(9.13)	ea
LED Traffic Signals				
12 inch Red Incandescent Left Turn Bay	12 inch Red LED module	808.11	-	ea
12 inch Red Incandescent Thru Lane	12 inch Red LED module	583.64	-	ea
8 inch Red Incandescent Thru Lane	8 inch Red LED module	289.45	-	ea
8 inch Red Incandescent Left Turn Bay	8 inch Red LED module	400.77	-	ea
Large Pedestrian Incandescent " Don't Walk"	Large LED Module	851.18	-	ea
Small Pedestrian Incandescent "Don't Walk"	Small LED Module	497.86	-	ea

Baseline Technology	Efficient Technology or Measure	Savings (kWh)	Interactive savings (therms)	UOM
12 inch Green Incandescent Left Turn Bay	12 inch Green LED module	224.48	-	ea
12 inch Green Incandescent Thru Lane	12 inch Green LED module	493.85	-	ea
8 inch Green Incandescent Left Turn Bay	8 inch Green LED module	400.77	-	ea
8 inch Green Incandescent Thru Lane	8 inch Green LED module	244.92	-	ea
12 inch Yellow Incandescent Left Turn Bay	12 inch Yellow LED module	44.45	-	ea
12 inch Yellow Incandescent Thru Lane	12 inch Yellow LED module	32.10	-	ea
8 inch Yellow Incandescent Left Turn Bay	8 inch Yellow LED module	22.04	-	ea
8 inch Yellow Incandescent Thru Lane	8 inch Yellow LED module	15.92	-	ea

Prescriptive Shell

Less than R4 wall insulation (E/E)	R11-R18 Wall Insulation	2.82	-	sq ft
Less than R4 wall insulation (E/G)	R11-R18 Wall Insulation	0.27	0.24	sq ft
Less than R4 wall insulation (E/E)	R19+ Wall Insulation	4.11	-	sq ft
Less than R4 wall insulation (E/G)	R19+ Wall Insulation	0.39	0.36	sq ft
Less than R11 attic insulation (E/E)	R30-R44 Attic Insulation	1.02	-	sq ft
Less than R11 attic insulation (E/G)	R30-R44 Attic Insulation	0.09	0.09	sq ft
Less than R11 attic insulation (E/E)	R45+ Attic Insulation	1.39	-	sq ft
Less than R11 attic insulation (E/G)	R45+ Attic Insulation	0.13	0.13	sq ft
Less than R11 roof insulation (E/E)	R30+ Roof Insulation	1.36	-	sq ft
Less than R11 roof insulation (E/G)	R30+ Roof Insulation	0.13	0.12	sq ft
Windows U-value=0.40 / SC =0.40 (E/E)	Windows U-value=<0.30 / SC =<0.35	6.60	-	sq ft
Windows U-value=0.40 / SC =0.40 (E/G)	Windows U-value=<0.30 / SC =<0.35	2.30	0.19	sq ft

Vending Machine Controller

Vending machine with no occupancy controls	Vending Control	1,266.65	-	ea
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Prescriptive Food Service Equipment

Standard Efficiency Appliance	Energy Star 80% effic. electric fryer	728.75	-	ea
Standard Efficiency Appliance	Energy Star 50% effic. 3-pan electric steam cooker	6,136.42	-	ea
Standard Efficiency Appliance	Energy Star 50% effic. 4-pan electric steam cooker	7,453.23	-	ea
Standard Efficiency Appliance	Energy Star 50% effic. 5-pan electric steam cooker	8,732.20	-	ea
Standard Efficiency Appliance	Energy Star 50% effic. 6-pan electric steam cooker	10,013.73	-	ea
Standard Efficiency Appliance	Energy Star electric hot food holding cabinet, over 18 cu.ft.	7,446.00	-	ea
Standard Efficiency Appliance	Energy Star electric hot food holding cabinet, between 12 & 18 cu.ft.	3,942.00	-	ea
Standard Efficiency Appliance	Energy Star electric hot food holding cabinet, 12 cu.ft. or less	2,628.00	-	ea
Standard Efficiency Appliance	Vent hood variable speed control, electric space heat	7,310.22	-	ea
Standard Efficiency Appliance	Vent hood variable speed control, natural gas space heat w/ Make-Up Air Ctrl	1,500.00	-	ea
Standard Efficiency Appliance	Vent hood dedicated makeup air unit (MAU) variable speed control	624.00	-	ea
Standard Efficiency Appliance	H.E. electric convection oven, 70% effic. or better	1,238.94	-	ea
Standard Efficiency Appliance	H.E. electric combination oven, 60% effic. or better	18,431.00	-	ea
Standard Efficiency Appliance	CEE Tier 2 ice maker, air cooled, ice making head, under 200 lbs./day capacity	173.00	-	ea
Standard Efficiency Appliance	CEE Tier 2 ice maker, air cooled, ice making head, 201 to 300 lbs./day capacity	421.00	-	ea
Standard Efficiency Appliance	CEE Tier 2 ice maker, air cooled, ice making head, 301 to 400 lbs./day capacity	592.00	-	ea
Standard Efficiency Appliance	CEE Tier 2 ice maker, air cooled, ice making head, 401 to 500 lbs./day capacity	804.00	-	ea
Standard Efficiency Appliance	CEE Tier 2 ice maker, air cooled, ice making head, 501 to 1000 lbs./day capacity	1,000.00	-	ea
Standard Efficiency Appliance	CEE Tier 2 ice maker, air cooled, ice making head, 1001 to 1500 lbs./day capacity	1,182.00	-	ea
Standard Efficiency Appliance	CEE Tier 2 ice maker, air cooled, ice making head, over 1500 lbs./day capacity	1,350.00	-	ea
Standard Efficiency Appliance	CEE Tier 2 ice maker, water cooled, ice making head, under 300 lbs./day capacity	133.00	-	ea
Standard Efficiency Appliance	CEE Tier 2 ice maker, water cooled, ice making head, 301 to 400 lbs./day capacity	332.00	-	ea
Standard Efficiency Appliance	CEE Tier 2 ice maker, water cooled, ice making head, 401 to 500 lbs./day capacity	370.00	-	ea

Baseline Technology	Efficient Technology or Measure	Savings (kWh)	Interactive savings (therms)	UOM
Standard Efficiency Appliance	CEE Tier 2 ice maker, water cooled, ice making head, 501 to 1000 lbs./day capacity	492.00	-	ea
Standard Efficiency Appliance	CEE Tier 2 ice maker, water cooled, ice making head, 1001 to 1500 lbs./day capacity	600.00	-	ea
Standard Efficiency Appliance	CEE Tier 2 ice maker, water cooled, ice making head, over 1500 lbs./day capacity	693.00	-	ea
Standard Efficiency Appliance	CEE Tier 2 ice maker, air cooled, self contained, 200 lbs./day capacity & under	56.00	-	ea
Standard Efficiency Appliance	CEE Tier 2 ice maker, water cooled, self contained, 200 lbs./day capacity & under	35.00	-	ea
Standard Efficiency Appliance	CEE Tier 2 ice maker, water cooled, self contained, over 200 lbs./day capacity	97.00	-	ea
Standard Efficiency Appliance	CEE Tier 2 ice maker, air cooled, remote condensing, 400 lbs./day capacity & under	394.00	-	ea
Standard Efficiency Appliance	CEE Tier 2 ice maker, air cooled, remote condensing, 401 to 500 lbs./day capacity	601.00	-	ea
Standard Efficiency Appliance	CEE Tier 2 ice maker, air cooled, remote condensing, 501 to 1000 lbs./day capacity	765.00	-	ea
Standard Efficiency Appliance	CEE Tier 2 ice maker, air cooled, remote condensing, 1001 to 1500 lbs./day capacity	885.00	-	ea
Standard Efficiency Appliance	CEE Tier 2 ice maker, air cooled, remote condensing, over 1500 lbs./day capacity	940.00	-	ea
Standard Efficiency Appliance	CEE Tier 3 ice maker, air cooled, ice making head, under 200 lbs./day capacity	260.00	-	ea
Standard Efficiency Appliance	CEE Tier 3 ice maker, air cooled, ice making head, 201 to 300 lbs./day capacity	636.00	-	ea
Standard Efficiency Appliance	CEE Tier 3 ice maker, air cooled, ice making head, 301 to 400 lbs./day capacity	858.00	-	ea
Standard Efficiency Appliance	CEE Tier 3 ice maker, air cooled, ice making head, 401 to 500 lbs./day capacity	1,150.00	-	ea
Standard Efficiency Appliance	CEE Tier 3 ice maker, air cooled, ice making head, 501 to 1000 lbs./day capacity	1,413.00	-	ea
Standard Efficiency Appliance	CEE Tier 3 ice maker, air cooled, ice making head, 1001 to 1500 lbs./day capacity	1,646.00	-	ea
Standard Efficiency Appliance	CEE Tier 3 ice maker, air cooled, ice making head, over 1500 lbs./day capacity	1,850.00	-	ea
Standard Efficiency Appliance	CEE Tier 3 ice maker, water cooled, ice making head, under 300 lbs./day capacity	200.00	-	ea
Standard Efficiency Appliance	CEE Tier 3 ice maker, water cooled, ice making head, 301 to 400 lbs./day capacity	513.00	-	ea
Standard Efficiency Appliance	CEE Tier 3 ice maker, water cooled, ice making head, 401 to 500 lbs./day capacity	681.00	-	ea
Standard Efficiency Appliance	CEE Tier 3 ice maker, water cooled, ice making head, 501 to 1000 lbs./day capacity	903.00	-	ea
Standard Efficiency Appliance	CEE Tier 3 ice maker, water cooled, ice making head, 1001 to 1500 lbs./day capacity	1,095.00	-	ea
Standard Efficiency Appliance	CEE Tier 3 ice maker, water cooled, ice making head, over 1500 lbs./day capacity	1,257.00	-	ea
Standard Efficiency Appliance	CEE Tier 3 ice maker, air cooled, self contained, 200 lbs./day capacity & under	116.00	-	ea
Standard Efficiency Appliance	CEE Tier 3 ice maker, water cooled, self contained, 200 lbs./day capacity & under	75.00	-	ea
Standard Efficiency Appliance	CEE Tier 3 ice maker, water cooled, self contained, over 200 lbs./day capacity	207.00	-	ea
Standard Efficiency Appliance	CEE Tier 3 ice maker, air cooled, remote condensing, 400 lbs./day capacity & under	636.00	-	ea
Standard Efficiency Appliance	CEE Tier 3 ice maker, air cooled, remote condensing, 401 to 500 lbs./day capacity	950.00	-	ea
Standard Efficiency Appliance	CEE Tier 3 ice maker, air cooled, remote condensing, 501 to 1000 lbs./day capacity	1,176.00	-	ea
Standard Efficiency Appliance	CEE Tier 3 ice maker, air cooled, remote condensing, 1001 to 1500 lbs./day capacity	1,314.00	-	ea
Standard Efficiency Appliance	CEE Tier 3 ice maker, air cooled, remote condensing, over 1500 lbs./day capacity	1,545.00	-	ea
Standard Efficiency Appliance	H.E. electric griddle, 70% effic. or better	2,595.27	-	ea
Standard Efficiency Appliance	Energy Star dishwasher Under Counter, Low Temp - elect. bldg. H.W.& booster H.W.	1,212.83	-	ea
Standard Efficiency Appliance	Energy Star dishwasher Under Counter, High Temp - elect. bldg. H.W.& booster H.W.	7,471.02	-	ea
Standard Efficiency Appliance	Energy Star dishwasher Door Type, Low Temp - elect. bldg. H.W.& booster H.W.	12,134.74	-	ea
Standard Efficiency Appliance	Energy Star dishwasher Door Type, High Temp - elect. bldg. H.W.& booster H.W.	14,143.49	-	ea
Standard Efficiency Appliance	Energy Star dishwasher Single Tank Conveyor, Low Temp - elect. bldg. H.W.& booster H.W.	11,384.41	-	ea
Standard Efficiency Appliance	Energy Star dishwasher Single Tank Conveyor, High Temp - elect. bldg. H.W.& booster H.W.	19,235.20	-	ea
Standard Efficiency Appliance	Energy Star dishwasher Multi Tank Conveyor, Low Temp - elect. bldg. H.W.& booster H.W.	17,464.72	-	ea
Standard Efficiency Appliance	Energy Star dishwasher Multi Tank Conveyor, High Temp - elect. bldg. H.W.& booster H.W.	34,153.22	-	ea
Standard Efficiency Appliance	Energy Star dishwasher Under Counter, Low Temp - elec. bldg. H.W.& gas booster H.W.	4,754.28	-	ea
Standard Efficiency Appliance	Energy Star dishwasher Door Type, Low Temp - elec. bldg. H.W.& gas booster H.W.	9,072.25	-	ea
Standard Efficiency Appliance	Energy Star dishwasher Single Tank Conveyor, Low Temp - elec. bldg. H.W.& gas booster H.W.	12,877.67	-	ea
Standard Efficiency Appliance	Energy Star dishwasher Multi Tank Conveyor, Low Temp - elec. bldg. H.W.& gas booster H.W.	21,733.87	-	ea
Refrigerator - Solid Door, 0 < V < 15 cuft Federal Standard	ENERGY STAR Refrigerator - Solid Door, 0 < V < 15 cuft	259.70	-	ea
Refrigerator - Solid Door, 15 ≤ V < 30 cuft Federal Standard	ENERGY STAR Refrigerator - Solid Door, 15 ≤ V < 30 cuft	458.99	-	ea

Baseline Technology	Efficient Technology or Measure	Savings (kWh)	Interactive savings (therms)	UOM
Refrigerator - Solid Door, 30 ≤ V < 50 cuft Federal Standard	ENERGY STAR Refrigerator - Solid Door, 30 ≤ V < 50 cuft	790.23	-	ea
Refrigerator - Solid Door, 50 ≤ V cuft Federal Standard	ENERGY STAR Refrigerator - Solid Door, 50 ≤ V cuft	1,176.76	-	ea
Freezer - Solid Door, 0 < V < 15 cuft Federal Standard	ENERGY STAR Freezer - Solid Door, 0 < V < 15 cuft	458.08	-	ea
Freezer - Solid Door, 15 ≤ V < 30 cuft Federal Standard	ENERGY STAR Freezer - Solid Door, 15 ≤ V < 30 cuft	868.70	-	ea
Freezer - Solid Door, 30 ≤ V < 50 cuft Federal Standard	ENERGY STAR Freezer - Solid Door, 30 ≤ V < 50 cuft	1,728.28	-	ea
Freezer - Solid Door, 50 ≤ V cuft Federal Standard	ENERGY STAR Freezer - Solid Door, 50 ≤ V cuft	3,933.61	-	ea
Refrigerator - Glass Door, 0 < V < 15 cuft Federal Standard	ENERGY STAR Refrigerator - Glass Door, 0 < V < 15 cuft	720.15	-	ea
Refrigerator - Glass Door, 15 ≤ V < 30 cuft Federal Standard	ENERGY STAR Refrigerator - Glass Door, 15 ≤ V < 30 cuft	671.60	-	ea
Refrigerator - Glass Door, 30 ≤ V < 50 cuft Federal Standard	ENERGY STAR Refrigerator - Glass Door, 30 ≤ V < 50 cuft	728.18	-	ea
Refrigerator - Glass Door, 50 ≤ V cuft Federal Standard	ENERGY STAR Refrigerator - Glass Door, 50 ≤ V cuft	908.85	-	ea
CEE Tier 1 Air Cooled Ice Making Head Unit ≥ 1400 < 1600 lbs ice per day	CEE Tier 2 Air Cooled Ice Making Head Unit ≥ 1400 < 1600 lbs ice per day	1,502.00	-	ea
CEE Tier 1 Air Cooled Ice Making Head Unit ≥ 1600 lbs ice per day	CEE Tier 2 Air Cooled Ice Making Head Unit ≥ 1600 lbs ice per day	1,640.00	-	ea
CEE Tier 1 Water Cooled Ice Making Head Unit ≥ 1200 < 1400 lbs ice per day	CEE Tier 2 Water Cooled Ice Making Head Unit ≥ 1200 < 1400 lbs ice per day	771.00	-	ea
CEE Tier 1 Water Cooled Ice Making Head Unit ≥ 1400 < 1600 lbs ice per day	CEE Tier 2 Water Cooled Ice Making Head Unit ≥ 1400 < 1600 lbs ice per day	889.00	-	ea
CEE Tier 1 Water Cooled Ice Making Head Unit ≥ 1600 < 1800 lbs ice per day	CEE Tier 2 Water Cooled Ice Making Head Unit ≥ 1600 < 1800 lbs ice per day	1,008.00	-	ea
CEE Tier 1 Water Cooled Ice Making Head Unit ≥ 1800 lbs ice per day	CEE Tier 2 Water Cooled Ice Making Head Unit ≥ 1800 lbs ice per day	1,127.00	-	ea
CEE Tier 1 Air Cooled Self-Contained Unit ≥ 50 < 100 lbs ice per day	CEE Tier 2 Air Cooled Self-Contained Unit ≥ 50 < 100 lbs ice per day	146.00	-	ea
CEE Tier 1 Air Cooled Self-Contained Unit ≥ 100 < 150 lbs ice per day	CEE Tier 2 Air Cooled Self-Contained Unit ≥ 100 < 150 lbs ice per day	206.00	-	ea
CEE Tier 1 Air Cooled Self-Contained Unit ≥ 150 < 200 lbs ice per day	CEE Tier 2 Air Cooled Self-Contained Unit ≥ 150 < 200 lbs ice per day	225.00	-	ea
CEE Tier 1 Air Cooled Self-Contained Unit ≥ 200 < 250 lbs ice per day	CEE Tier 2 Air Cooled Self-Contained Unit ≥ 200 < 250 lbs ice per day	289.00	-	ea
CEE Tier 1 Air Cooled Self-Contained Unit ≥ 250 < 300 lbs ice per day	CEE Tier 2 Air Cooled Self-Contained Unit ≥ 250 < 300 lbs ice per day	353.00	-	ea
CEE Tier 1 Air Cooled Self-Contained Unit ≥ 300 < 350 lbs ice per day	CEE Tier 2 Air Cooled Self-Contained Unit ≥ 300 < 350 lbs ice per day	418.00	-	ea
CEE Tier 1 Air Cooled Self-Contained Unit ≥ 350 < 400 lbs ice per day	CEE Tier 2 Air Cooled Self-Contained Unit ≥ 350 < 400 lbs ice per day	482.00	-	ea
CEE Tier 1 Air Cooled Self-Contained Unit ≥ 400 lbs ice per day	CEE Tier 2 Air Cooled Self-Contained Unit ≥ 400 lbs ice per day	546.00	-	ea
CEE Tier 1 Water Cooled Self-Contained Unit ≥ 100 < 150 lbs ice per day	CEE Tier 2 Water Cooled Self-Contained Unit ≥ 100 < 150 lbs ice per day	147.00	-	ea
CEE Tier 1 Water Cooled Self-Contained Unit ≥ 150 < 200 lbs ice per day	CEE Tier 2 Water Cooled Self-Contained Unit ≥ 150 < 200 lbs ice per day	185.00	-	ea
CEE Tier 1 Water Cooled Self-Contained Unit ≥ 200 < 250 lbs ice per day	CEE Tier 2 Water Cooled Self-Contained Unit ≥ 200 < 250 lbs ice per day	220.00	-	ea
CEE Tier 1 Water Cooled Self-Contained Unit ≥ 250 < 300 lbs ice per day	CEE Tier 2 Water Cooled Self-Contained Unit ≥ 250 < 300 lbs ice per day	269.00	-	ea
CEE Tier 1 Water Cooled Self-Contained Unit ≥ 300 < 350 lbs ice per day	CEE Tier 2 Water Cooled Self-Contained Unit ≥ 300 < 350 lbs ice per day	318.00	-	ea
CEE Tier 1 Water Cooled Self-Contained Unit ≥ 350 < 400 lbs ice per day	CEE Tier 2 Water Cooled Self-Contained Unit ≥ 350 < 400 lbs ice per day	367.00	-	ea
CEE Tier 1 Water Cooled Self-Contained Unit ≥ 400 lbs ice per day	CEE Tier 2 Water Cooled Self-Contained Unit ≥ 400 lbs ice per day	416.00	-	ea
CEE Tier 1 Air Cooled Remote Condensing Unit ≥ 1200 < 1400 lbs ice per day	CEE Tier 2 Air Cooled Remote Condensing Unit ≥ 1200 < 1400 lbs ice per day	1,111.00	-	ea
CEE Tier 1 Air Cooled Remote Condensing Unit ≥ 1400 < 1600 lbs ice per day	CEE Tier 2 Air Cooled Remote Condensing Unit ≥ 1400 < 1600 lbs ice per day	1,282.00	-	ea
CEE Tier 1 Air Cooled Remote Condensing Unit ≥ 1600 < 1800 lbs ice per day	CEE Tier 2 Air Cooled Remote Condensing Unit ≥ 1600 < 1800 lbs ice per day	1,453.00	-	ea
CEE Tier 1 Air Cooled Remote Condensing Unit ≥ 1800 lbs ice per day	CEE Tier 2 Air Cooled Remote Condensing Unit ≥ 1800 lbs ice per day	1,624.00	-	ea
CEE Tier 1 Air Cooled Ice Making Head Unit ≥ 1400 < 1600 lbs ice per day	CEE Tier 3 Air Cooled Ice Making Head Unit ≥ 1400 < 1600 lbs ice per day	2,025.00	-	ea
CEE Tier 1 Air Cooled Ice Making Head Unit ≥ 1600 lbs ice per day	CEE Tier 3 Air Cooled Ice Making Head Unit ≥ 1600 lbs ice per day	2,170.00	-	ea
CEE Tier 1 Water Cooled Ice Making Head Unit ≥ 1200 < 1400 lbs ice per day	CEE Tier 3 Water Cooled Ice Making Head Unit ≥ 1200 < 1400 lbs ice per day	1,391.00	-	ea
CEE Tier 1 Water Cooled Ice Making Head Unit ≥ 1400 < 1600 lbs ice per day	CEE Tier 3 Water Cooled Ice Making Head Unit ≥ 1400 < 1600 lbs ice per day	1,659.00	-	ea
CEE Tier 1 Water Cooled Ice Making Head Unit ≥ 1600 < 1800 lbs ice per day	CEE Tier 3 Water Cooled Ice Making Head Unit ≥ 1600 < 1800 lbs ice per day	1,881.00	-	ea
CEE Tier 1 Water Cooled Ice Making Head Unit ≥ 1800 lbs ice per day	CEE Tier 3 Water Cooled Ice Making Head Unit ≥ 1800 lbs ice per day	2,102.00	-	ea
CEE Tier 1 Air Cooled Self-Contained Unit ≥ 50 < 100 lbs ice per day	CEE Tier 3 Air Cooled Self-Contained Unit ≥ 50 < 100 lbs ice per day	301.00	-	ea
CEE Tier 1 Air Cooled Self-Contained Unit ≥ 100 < 150 lbs ice per day	CEE Tier 3 Air Cooled Self-Contained Unit ≥ 100 < 150 lbs ice per day	421.00	-	ea
CEE Tier 1 Air Cooled Self-Contained Unit ≥ 150 < 200 lbs ice per day	CEE Tier 3 Air Cooled Self-Contained Unit ≥ 150 < 200 lbs ice per day	475.00	-	ea
CEE Tier 1 Air Cooled Self-Contained Unit ≥ 200 < 250 lbs ice per day	CEE Tier 3 Air Cooled Self-Contained Unit ≥ 200 < 250 lbs ice per day	611.00	-	ea
CEE Tier 1 Air Cooled Self-Contained Unit ≥ 250 < 300 lbs ice per day	CEE Tier 3 Air Cooled Self-Contained Unit ≥ 250 < 300 lbs ice per day	747.00	-	ea
CEE Tier 1 Air Cooled Self-Contained Unit ≥ 300 < 350 lbs ice per day	CEE Tier 3 Air Cooled Self-Contained Unit ≥ 300 < 350 lbs ice per day	882.00	-	ea

Baseline Technology		Efficient Technology or Measure	Savings (kWh)	Interactive savings (therms)	UOM
CEE Tier 1 Air Cooled Self-Contained Unit >= 350 < 400 lbs ice per day	CEE Tier 3 Air Cooled Self-Contained Unit >= 350 < 400 lbs ice per day	CEE Tier 3 Air Cooled Self-Contained Unit >= 350 < 400 lbs ice per day	1,018.00	-	ea
CEE Tier 1 Air Cooled Self-Contained Unit >= 400 lbs ice per day	CEE Tier 3 Air Cooled Self-Contained Unit >= 400 lbs ice per day	CEE Tier 3 Air Cooled Self-Contained Unit >= 400 lbs ice per day	1,154.00	-	ea
CEE Tier 1 Water Cooled Self-Contained Unit >= 100 < 150 lbs ice per day	CEE Tier 3 Water Cooled Self-Contained Unit >= 100 < 150 lbs ice per day	CEE Tier 3 Water Cooled Self-Contained Unit >= 100 < 150 lbs ice per day	313.00	-	ea
CEE Tier 1 Water Cooled Self-Contained Unit >= 150 < 200 lbs ice per day	CEE Tier 3 Water Cooled Self-Contained Unit >= 150 < 200 lbs ice per day	CEE Tier 3 Water Cooled Self-Contained Unit >= 150 < 200 lbs ice per day	393.00	-	ea
CEE Tier 1 Water Cooled Self-Contained Unit >= 200 < 250 lbs ice per day	CEE Tier 3 Water Cooled Self-Contained Unit >= 200 < 250 lbs ice per day	CEE Tier 3 Water Cooled Self-Contained Unit >= 200 < 250 lbs ice per day	472.00	-	ea
CEE Tier 1 Water Cooled Self-Contained Unit >= 250 < 300 lbs ice per day	CEE Tier 3 Water Cooled Self-Contained Unit >= 250 < 300 lbs ice per day	CEE Tier 3 Water Cooled Self-Contained Unit >= 250 < 300 lbs ice per day	577.00	-	ea
CEE Tier 1 Water Cooled Self-Contained Unit >= 300 < 350 lbs ice per day	CEE Tier 3 Water Cooled Self-Contained Unit >= 300 < 350 lbs ice per day	CEE Tier 3 Water Cooled Self-Contained Unit >= 300 < 350 lbs ice per day	682.00	-	ea
CEE Tier 1 Water Cooled Self-Contained Unit >= 350 < 400 lbs ice per day	CEE Tier 3 Water Cooled Self-Contained Unit >= 350 < 400 lbs ice per day	CEE Tier 3 Water Cooled Self-Contained Unit >= 350 < 400 lbs ice per day	787.00	-	ea
CEE Tier 1 Water Cooled Self-Contained Unit >= 400 lbs ice per day	CEE Tier 3 Water Cooled Self-Contained Unit >= 400 lbs ice per day	CEE Tier 3 Water Cooled Self-Contained Unit >= 400 lbs ice per day	892.00	-	ea
CEE Tier 1 Air Cooled Remote Condensing Unit >= 1200 < 1400 lbs ice per day	CEE Tier 3 Air Cooled Remote Condensing Unit >= 1200 < 1400 lbs ice per day	CEE Tier 3 Air Cooled Remote Condensing Unit >= 1200 < 1400 lbs ice per day	1,826.00	-	ea
CEE Tier 1 Air Cooled Remote Condensing Unit >= 1400 < 1600 lbs ice per day	CEE Tier 3 Air Cooled Remote Condensing Unit >= 1400 < 1600 lbs ice per day	CEE Tier 3 Air Cooled Remote Condensing Unit >= 1400 < 1600 lbs ice per day	2,107.00	-	ea
CEE Tier 1 Air Cooled Remote Condensing Unit >= 1600 < 1800 lbs ice per day	CEE Tier 3 Air Cooled Remote Condensing Unit >= 1600 < 1800 lbs ice per day	CEE Tier 3 Air Cooled Remote Condensing Unit >= 1600 < 1800 lbs ice per day	2,388.00	-	ea
CEE Tier 1 Air Cooled Remote Condensing Unit >= 1800 lbs ice per day	CEE Tier 3 Air Cooled Remote Condensing Unit >= 1800 lbs ice per day	CEE Tier 3 Air Cooled Remote Condensing Unit >= 1800 lbs ice per day	2,669.00	-	ea
Prescriptive Commercial Clothes Washers					
Same as RTF	Same as RTF	Same as RTF	1,026.00	-	ea
Power Management for Personal Computers					
Personal computing systems with normal controls	Enterprise or network control of PC power management	Enterprise or network control of PC power management	135.00		desktop CPU