Notes

Green = Electric Energy	Yellow = Electric Capacity	Blue = Non-Electric (NEB)
Electric and TR Benefit	Electric and TR Benefit	TR Benefit only

Avoided Costs do NOT include line losses. These are added in during the calculation of the benefit
Avoided Cost Data - Forecasts can be entered in either "NOMINAL" or "REAL" dollars
- If "NOMINAL", enter values directly in the appropriate section below
- If "Real", enter specific values in the "REAL" dollars sections further down this page and the Model will convert them to NOMINAL below
AESC Tables are located at the bottom of this worksheet beginning in row 221

11/10/09 - daj updated all assumption for 2009 AESC and 2010 assumptions

	2010	2011	2012	2013	2014
Nominal Discount Rate	3.25%	3.25%	3.25%	3.25%	3.25%
Inflation	1.56%	1.56%	1.56%	1.56%	1.56%
Real Discount Rate	1.66%	1.66%	1.66%	1.66%	1.66%
Half-Year Factor	50.0%	50.0%	50.0%	50.0%	50.0%
Source	S Waite - 8/09 Avoided Cost email				
Reserve Margin Multiplier (to b	100.0%	100.0%	100.0%	100.0%	100.0%
Transmission ($ per kW)	$12.19	$ 12.19	$ 12.19	$ 12.19	$ 12.19
Distribution ($ per kW)	$37.44	$ 37.44	$ 37.44	$ 37.44	$ 37.44
Res Water & Sewer	$ 0.006	$ 0.006	$ 0.006	$ 0.006	$ 0.006
CI Water	$ 0.006	$ 0.006	$ 0.006	$ 0.006	$ 0.006
CI Sewer	$ 0.006	$ 0.006	$ 0.006	$ 0.006	$ 0.006
Capacity DRIPE	Yes	Retail Adder:	0%		
Energy DRIPE	Yes				
Environmental Externalities	Yes				

9/23/09 - Retail adder included in avoided costs (LSG)

LINE LOSS FACTORS

Sectors	Energy: Winter Peak	Winter Off-Peak	Summer Peak	Summer Off-Peak	Capacity: Summer Gener.	Winter Gener.	Transm.	Distribution
Residential	6.20%	5.30%	6.20%	5.30%	7.10%	7.00%	0.70%	0.70%
Com/Ind	6.20%	5.30%	6.20%	5.30%	7.10%	7.00%	0.70%	0.70%

Value	Percent
SumTrans	50.00%
SumDistr	50.00%

Year 1 Avoided Cost Data - In Nominal Dollars

#	Year	Winter Peak Energy Annual	Cumulative	Winter Off-Peak Energy ($ per kWh) Annual	Cumulative	Summer Peak Energy ($ per kWh) Annual	Cumulative	Summer Off-Peak Energy ($ per kWh) Annual	Cumulative	Summer Generation ($ per kW) Annual	Cumulative	Winter Generation ($ per kW) Annual	Cumulative	Transmission ($ per kW) Annual	Cumulative	Distribution ($ per kW) Annual	Cumulative	Fuel Oil - Residential Distillate ($ per MMBtu) Annual	Cumulative	Fuel Oil - Com #2 Oil Annual	Cumulative	Fuel Oil - Com #4 Oil Annual	Cumulative	Fuel Oil - Ind #6 Oil Annual	Cumulative
1	2010	$0.067	$0.066	$0.052	$0.052	$0.069	$0.069	$0.051	$0.051	$63.09	$62.57	$0.00	$0.00	$12.38	$259.01	$38.02	$37.71	$15.88	$15.75	$13.58	$13.47	$13.09	$12.98	$12.60	$12.50
2	2011	$0.072	$0.136	$0.056	$0.106	$0.074	$0.141	$0.054	$0.103	$48.47	$109.85	$0.00	$0.00	$12.38	$24.36	$38.02	$74.81	$16.60	$31.94	$14.59	$27.71	$14.18	$26.81	$13.76	$25.92
3	2012	$0.078	$0.211	$0.061	$0.165	$0.077	$0.215	$0.057	$0.157	$39.16	$147.43	$0.00	$0.00	$12.38	$36.24	$38.02	$111.29	$18.23	$49.44	$16.20	$43.25	$15.82	$41.99	$15.44	$40.74
4	2013	$0.079	$0.286	$0.065	$0.226	$0.080	$0.290	$0.062	$0.216	$18.50	$164.89	$0.00	$0.00	$12.38	$47.92	$38.02	$147.18	$19.62	$67.96	$17.65	$59.91	$17.32	$58.34	$16.98	$56.76
5	2014	$0.080	$0.360	$0.066	$0.287	$0.081	$0.365	$0.063	$0.275	$18.50	$182.06	$0.00	$0.00	$12.38	$59.42	$38.02	$182.49	$21.24	$87.68	$19.24	$77.78	$18.91	$75.89	$18.57	$74.00
6	2015	$0.080	$0.432	$0.067	$0.349	$0.082	$0.439	$0.063	$0.333	$19.94	$200.27	$0.00	$0.00	$12.38	$70.72	$38.02	$217.21	$23.00	$108.69	$20.87	$96.84	$20.53	$94.64	$20.19	$92.43
7	2016	$0.081	$0.505	$0.068	$0.410	$0.085	$0.516	$0.065	$0.391	$21.40	$219.49	$0.00	$0.00	$12.38	$81.84	$38.02	$251.37	$24.74	$130.91	$22.45	$117.00	$22.09	$114.48	$21.73	$111.95
8	2017	$0.083	$0.578	$0.071	$0.473	$0.088	$0.594	$0.068	$0.451	$21.41	$238.42	$0.00	$0.00	$12.38	$92.78	$38.02	$284.96	$26.36	$154.20	$23.94	$138.16	$23.57	$135.30	$23.20	$132.45
9	2018	$0.086	$0.653	$0.073	$0.536	$0.090	$0.672	$0.070	$0.512	$22.86	$258.28	$0.00	$0.00	$12.38	$103.54	$38.02	$318.01	$26.42	$177.17	$24.04	$159.05	$23.70	$155.90	$23.35	$152.75
10	2019	$0.086	$0.726	$0.074	$0.599	$0.091	$0.749	$0.071	$0.573	$22.88	$277.84	$0.00	$0.00	$12.38	$114.12	$38.02	$350.52	$26.59	$199.90	$24.19	$179.73	$23.87	$176.30	$23.54	$172.87
11	2020	$0.086	$0.798	$0.074	$0.661	$0.091	$0.826	$0.071	$0.633	$24.33	$298.31	$0.00	$0.00	$12.38	$124.53	$38.02	$382.49	$26.66	$222.31	$24.18	$200.06	$23.83	$196.34	$23.48	$192.62
12	2021	$0.085	$0.869	$0.073	$0.722	$0.088	$0.898	$0.072	$0.693	$25.79	$319.63	$0.00	$0.00	$12.38	$134.77	$38.02	$413.94	$26.73	$244.42	$24.30	$220.16	$23.98	$216.17	$23.65	$212.18
13	2022	$0.085	$0.938	$0.075	$0.783	$0.091	$0.972	$0.073	$0.752	$27.24	$341.80	$0.00	$0.00	$12.38	$144.85	$38.02	$444.88	$26.95	$266.35	$24.56	$240.15	$24.23	$235.89	$23.91	$231.63
14	2023	$0.088	$1.009	$0.075	$0.843	$0.094	$1.047	$0.074	$0.811	$28.70	$364.76	$0.00	$0.00	$12.38	$154.75	$38.02	$475.31	$26.82	$287.81	$24.40	$259.68	$24.06	$255.14	$23.72	$250.61
15	2024	$0.092	$1.081	$0.076	$0.903	$0.098	$1.124	$0.078	$0.872	$30.16	$388.50	$0.00	$0.00	$12.38	$164.50	$38.02	$505.24	$27.16	$309.19	$24.69	$279.12	$24.34	$274.30	$23.99	$269.49
16	2025	$0.094	$1.154	$0.077	$0.963	$0.100	$1.201	$0.080	$0.934	$44.56	$423.01	$0.00	$0.00	$12.38	$174.09	$38.02	$534.68	$27.66	$330.61	$25.16	$298.60	$24.81	$293.51	$24.45	$288.42
17	2026	$0.095	$1.226	$0.078	$1.022	$0.102	$1.279	$0.082	$0.997	$58.98	$467.93	$0.00	$0.00	$12.38	$183.51	$38.02	$563.64	$28.18	$352.07	$25.64	$318.12	$25.28	$312.76	$24.92	$307.40
18	2027	$0.097	$1.299	$0.080	$1.082	$0.104	$1.357	$0.084	$1.060	$73.43	$522.95	$0.00	$0.00	$12.38	$192.79	$38.02	$592.13	$28.70	$373.58	$26.12	$337.69	$25.76	$332.06	$25.41	$326.44
19	2028	$0.098	$1.371	$0.081	$1.142	$0.106	$1.436	$0.086	$1.123	$87.91	$587.72	$0.00	$0.00	$12.38	$201.91	$38.02	$620.15	$29.24	$395.12	$26.61	$357.30	$26.26	$351.41	$25.90	$345.52
20	2029	$0.100	$1.444	$0.082	$1.201	$0.109	$1.515	$0.088	$1.187	$102.41	$661.95	$0.00	$0.00	$12.38	$210.89	$38.02	$647.71	$29.76	$416.71	$27.12	$376.95	$26.76	$370.81	$26.40	$364.66
21	2030	$0.102	$1.516	$0.084	$1.261	$0.111	$1.594	$0.091	$1.252	$115.49	$744.29	$0.00	$0.00	$12.38	$219.71	$38.02	$674.82	$30.34	$438.34	$27.66	$396.65	$27.27	$390.25	$26.91	$383.84
22	2031	$0.104	$1.589	$0.085	$1.320	$0.114	$1.673	$0.093	$1.317	$115.59	$825.35	$0.00	$0.00	$12.38	$228.39	$38.02	$701.48	$30.91	$460.02	$28.15	$416.39	$27.79	$409.74	$27.43	$403.08
23	2032	$0.106	$1.662	$0.086	$1.380	$0.116	$1.753	$0.095	$1.383	$115.68	$905.15	$0.00	$0.00	$12.38	$236.93	$38.02	$727.71	$31.48	$481.73	$28.68	$436.18	$28.32	$429.27	$27.96	$422.37
24	2033	$0.107	$1.735	$0.088	$1.439	$0.119	$1.834	$0.098	$1.449	$115.78	$983.71	$0.00	$0.00	$12.38	$245.33	$38.02	$753.51	$32.07	$503.49	$29.22	$456.01	$28.86	$448.86	$28.50	$441.71
25	2034	$0.109	$1.808	$0.089	$1.499	$0.121	$1.915	$0.100	$1.516	$115.88	$1,061.05	$0.00	$0.00	$12.38	$253.60	$38.02	$778.89	$32.67	$525.29	$29.77	$475.88	$29.41	$468.49	$29.05	$461.10

PASTE AVOIDED COSTS TEMPLATE HERE

New England Average

Forecast of Fuel Prices by Sector

Fuel	No. 2 Distillate	Fuel Oil	Fuel Oil	Fuel Oil	Propane	Kerosene	BioFuel	BioFuel	Wood
Market	Retail	Retail	Retail	Retail	Retail	Retail			Retail
Sector	Residential	Commercial	Industrial	C/I	Residential	Res & Com	B5 Blend	B20 Blend	Residential
Notes	1	1	2	3	4	5	6	6	7
Year	$/MMBtu	$/MMBtu	$/MMBtu	$/MMBtu	$/MMBtu	$/MMBtu	$/MMBtu	$/MMBtu	$/MMBtu
2010	15.64	13.37	12.41	12.89	24.04	15.18	15.64	15.64	5.63
2011	16.34	14.37	13.55	13.96	24.91	15.87	16.34	16.34	5.88
2012	17.95	15.95	15.21	15.58	26.84	17.44	17.95	17.95	6.46
2013	19.32	17.38	16.72	17.05	29.09	18.76	19.32	19.32	6.96
2014	20.92	18.95	18.28	18.62	31.29	20.32	20.92	20.92	7.53
2015	22.65	20.55	19.88	20.21	33.63	21.99	22.65	22.65	8.15
2016	24.36	22.11	21.39	21.75	36.14	23.65	24.36	24.36	8.77
2017	25.96	23.57	22.84	23.21	38.58	25.21	25.96	25.96	9.35
2018	26.02	23.67	22.99	23.33	38.70	25.27	26.02	26.02	9.37
2019	26.18	23.82	23.18	23.50	38.90	25.43	26.18	26.18	9.42
2020	26.25	23.80	23.12	23.46	38.82	25.49	26.25	26.25	9.45
2021	26.32	23.93	23.28	23.61	39.04	25.57	26.32	26.32	9.48
2022	26.53	24.18	23.54	23.86	39.28	25.77	26.53	26.53	9.55
2023	26.41	24.03	23.36	23.69	39.04	25.65	26.41	26.41	9.51
2024	26.74	24.32	23.62	23.97	39.19	25.97	26.74	26.74	9.63
2025	27.24	24.77	24.07	24.42	39.86	26.45	27.24	27.24	9.81
2026	27.75	25.24	24.54	24.89	40.54	26.95	27.75	27.75	9.99
2027	28.26	25.72	25.02	25.37	41.24	27.45	28.26	28.26	10.18
2028	28.79	26.20	25.50	25.85	41.94	27.96	28.79	28.79	10.36
2029	29.33	26.70	25.99	26.35	42.66	28.48	29.33	29.33	10.56
2030	29.87	27.20	26.50	26.85	43.39	29.01	29.87	29.87	10.75
2031	30.43	27.72	27.01	27.36	44.14	29.55	30.43	30.43	10.96
2032	31.00	28.24	27.53	27.89	44.89	30.10	31.00	31.00	11.16
2033	31.58	28.77	28.06	28.42	45.66	30.67	31.58	31.58	11.37
2034	32.16	29.32	28.61	28.96	46.44	31.24	32.16	32.16	11.58
2035	32.76	29.87	29.16	29.52	47.24	31.82	32.76	32.76	11.79
2036	33.37	30.43	29.73	30.08	48.05	32.41	33.37	33.37	12.01
2037	34.00	31.01	30.30	30.65	48.87	33.02	34.00	34.00	12.24
2038	34.63	31.59	30.89	31.24	49.71	33.63	34.63	34.63	12.47
2039	35.28	32.19	31.49	31.84	50.56	34.26	35.28	35.28	12.70
2040									
2041									
2042									
2043									

Input Comm 0.5 0.5

Year 2 Avoided Cost Data - In Nominal Dollars

Year 3 Avoided Cost Data - In Nominal Dollars

Year 4 Avoided Cost Data - In Nominal Dollars

Year 5 Avoided Cost Data - In Nominal Dollars

Company: Unitil Energy Systems, Inc.

Howard - base year changed to 2010

daj 11/10/09

															a	b	b	a	b	a	b	a	b																												
											Impact Factors													Energy Savings					Capacity Savings					Non-Electric Benefits													Calculated Benefit (per unit)				
	x	x	x		Program Start Y	2010																																													
Measure #	Sector	BCR Activity	Program	Measure	End Use	Quantity / Participation Year 1	Measure Life (years)	Total Resource Cost	Incentive	Customer Cost	Free-Ridership Rate	Spillover Partic Rate	Spillover Non-Partic Rate	In-Service Rate	kWh Persist	(Other Impacts) kWh Realiz Rate	kWh Realization On-peak	kW-W Persist	(Other Impacts) kW Winter Realiz Rate	kW-S Persist	(Other Impacts) kW Summer	NEB Persist	NEB Realiz	Gross Annual kWh Saved	Winter Peak Energy %	Winter Off-Peak Energy %	Summer Peak Energy %	Summer Off-Peak Energy %	Max Load Reduction (kW)	Summer Coincident (%)	Winter Coincident (%)	Trans. Coincident (%)	Dist. Coincident (%)	Natural Gas (Savings Type)	Natural Gas Savings (MMBtu/Year)	Fuel Oil (Savings Type)	Fuel Oil Savings (MMBtu/Year)	Annual Fossil Fuel (Type)	Propane Savings (MMBtu/Year)	Kerosene Savings (MMBtu/Year)	Wood Savings (MMBtu/Year)	Res Water Savings (Gallons	C&I Water Savings (Gallons	C&I Sewer Savings (Gallons	Annual Non-Resource (base yr $/yr)	1X Non-Resource (base yr $/yr)	Energy Value (per unit)	Capacity Value (per unit)	Electric Benefit (per unit)	NEB Value (per unit)	Total Value (per unit)
61	B - Low Incon	B03a Low-Inc	**B03a Home Energy Assistance**							$ -	0.00%	0.00%	0.00%	100.00%	100.00%	91.20%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%		27%	40%	13%	20%		100.0%	75.0%	87.5%	87.5%																$0.00		$0.00
62	B - Low Incon	B03a Low-Inc	B03a Home Energy Assistance							$ -	0.00%	0.00%	0.00%	100.00%	100.00%	91.20%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%		0%	0%	0%	0%		0.0%	0.0%	0.0%	0.0%																$0.00		$0.00
63	B - Low Incon	B03a Low-Inc	B03a Home Energy Assistance							$ -	0.00%	0.00%	0.00%	100.00%	100.00%	91.20%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%		0%	0%	0%	0%		0.0%	0.0%	0.0%	0.0%																$0.00		$0.00
64	B - Low Incon	B03a Low-Inc	B03a Home Energy Assistance							$ -	0.00%	0.00%	0.00%	100.00%	100.00%	91.20%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%		0%	0%	0%	0%		0.0%	0.0%	0.0%	0.0%																$0.00		$0.00
65	B - Low Incon	B03a Low-Inc	B03a Home Energy Assistance							$ -	0.00%	0.00%	0.00%	100.00%	100.00%	91.20%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%		27%	40%	13%	20%		0.0%	0.0%	0.0%	0.0%																$0.00		$0.00
66	B - Low Incon	B03a Low-Inc	B03a Home Energy Assistance							$ -	0.00%	0.00%	0.00%	100.00%	100.00%	91.20%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%		27%	40%	13%	20%		0.0%	0.0%	0.0%	0.0%																$0.00		$0.00
67	B - Low Incon	B03a Low-Inc	B03a Home Energy Assistance							$ -	0.00%	0.00%	0.00%	100.00%	100.00%	91.20%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%		27%	40%	13%	20%		0.0%	0.0%	0.0%	0.0%																$0.00		$0.00
68	B - Low Incon	B03a Low-Inc	B03a Home Energy Assistance							$ -	0.00%	0.00%	0.00%	100.00%	100.00%	91.20%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%		0%	0%	0%	0%		0.0%	0.0%	0.0%	0.0%																$0.00		$0.00
69	B - Low Incon	B03a Low-Inc	B03a Home Energy Assistance							$ -	0.00%	0.00%	0.00%	100.00%	100.00%	91.20%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%		0%	0%	0%	0%		0.0%	0.0%	0.0%	0.0%																$0.00		$0.00
70	B - Low Incon	B03a Low-Inc	B03a Home Energy Assistance							$ -	0.00%	0.00%	0.00%	100.00%	100.00%	91.20%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%		0%	0%	0%	0%		0.0%	0.0%	0.0%	0.0%																$0.00		$0.00
71	B - Low Incon	B03a Low-Inc	B03a Home Energy Assistance							$ -	0.00%	0.00%	0.00%	100.00%	100.00%	91.20%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%		0%	0%	0%	0%		0.0%	0.0%	0.0%	0.0%																$0.00		$0.00
72	B - Low Incon	B03a Low-Inc	B03a Home Energy Assistance							$ -	0.00%	0.00%	0.00%	100.00%	100.00%	91.20%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%		0%	0%	0%	0%		0.0%	0.0%	0.0%	0.0%																$0.00		$0.00
73	B - Low Incon	B03a Low-Inc	B03a Home Energy Assistance							$ -	0.00%	0.00%	0.00%	100.00%	100.00%	91.20%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%		0%	0%	0%	0%		0.0%	0.0%	0.0%	0.0%																$0.00		$0.00
74	B - Low Incon	B03a Low-Inc	B03a Home Energy Assistance							$ -	0.00%	0.00%	0.00%	100.00%	100.00%	91.20%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%		0%	0%	0%	0%		0.0%	0.0%	0.0%	0.0%																$0.00		$0.00
75	C - Commerc	C02a C&I Los	**C02a C&I New Construction**							$ -	0.00%	0.00%	0.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%		23%	36%	19%	22%		0.0%	0.0%	0.0%	0.0%																$0.00		$0.00
76	C - Commerc	C02a C&I Los	C02a C&I New Construction							$ -	0.00%	0.00%	0.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%		0%	0%	0%	0%		0.0%	0.0%	0.0%	0.0%																$0.00		$0.00
77	C - Commerc	C02a C&I Los	C02a C&I New Construction							$ -	0.00%	0.00%	0.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%		0%	0%	0%	0%		0.0%	0.0%	0.0%	0.0%																$0.00		$0.00
78	C - Commerc	C02a C&I Los	C02a C&I New Construction							$ -	0.00%	0.00%	0.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%		0%	0%	0%	0%		0.0%	0.0%	0.0%	0.0%																$0.00		$0.00
79	C - Commerc	C02a C&I Los	C02a C&I New Construction							$ -	0.00%	0.00%	0.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%		0%	0%	0%	0%		0.0%	0.0%	0.0%	0.0%																$0.00		$0.00
80	C - Commerc	C02a C&I Los	C02a C&I New Construction							$ -	0.00%	0.00%	0.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%		0%	0%	0%	0%		0.0%	0.0%	0.0%	0.0%																$0.00		$0.00
81	C - Commerc	C02a C&I Los	C02a C&I New Construction							$ -	0.00%	0.00%	0.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%		0%	0%	0%	0%		0.0%	0.0%	0.0%	0.0%																$0.00		$0.00
82	C - Commerc	C02a C&I Los	C02a C&I New Construction							$ -	0.00%	0.00%	0.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%		0%	0%	0%	0%		0.0%	0.0%	0.0%	0.0%																$0.00		$0.00
83	C - Commerc	C02a C&I Los	C02a C&I New Construction							$ -	0.00%	0.00%	0.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%		0%	0%	0%	0%		0.0%	0.0%	0.0%	0.0%																$0.00		$0.00
84	C - Commerc	C03a Large C	**C03a Large C&I Retrofit**							$ -	0.00%	0.00%	0.00%	100.00%	100.00%	89.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%		23%	36%	19%	22%		0.0%	0.0%	0.0%	0.0%																$0.00		$0.00
85	C - Commerc	C03a Large C	C03a Large C&I Retrofit							$ -	0.00%	0.00%	0.00%	100.00%	100.00%	89.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%		0%	0%	0%	0%		0.0%	0.0%	0.0%	0.0%																$0.00		$0.00
86	C - Commerc	C03a Large C	C03a Large C&I Retrofit							$ -	0.00%	0.00%	0.00%	100.00%	100.00%	89.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%		0%	0%	0%	0%		0.0%	0.0%	0.0%	0.0%																$0.00		$0.00
87	C - Commerc	C03a Large C	C03a Large C&I Retrofit							$ -	0.00%	0.00%	0.00%	100.00%	100.00%	89.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%		0%	0%	0%	0%		0.0%	0.0%	0.0%	0.0%																$0.00		$0.00
88	C - Commerc	C03a Large C	C03a Large C&I Retrofit							$ -	0.00%	0.00%	0.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%		0%	0%	0%	0%		0.0%	0.0%	0.0%	0.0%																$0.00		$0.00
89	C - Commerc	C03a Large C	C03a Large C&I Retrofit							$ -	0.00%	0.00%	0.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%		0%	0%	0%	0%		0.0%	0.0%	0.0%	0.0%																$0.00		$0.00
90	C - Commerc	C03a Large C	C03a Large C&I Retrofit							$ -	0.00%	0.00%	0.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%		0%	0%	0%	0%		0.0%	0.0%	0.0%	0.0%																$0.00		$0.00
91	C - Commerc	C03a Large C	C03a Large C&I Retrofit							$ -	0.00%	0.00%	0.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%		0%	0%	0%	0%		0.0%	0.0%	0.0%	0.0%																$0.00		$0.00
92	C - Commerc	C03a Large C	C03a Large C&I Retrofit							$ -	0.00%	0.00%	0.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%		0%	0%	0%	0%		0.0%	0.0%	0.0%	0.0%																$0.00		$0.00
93	C - Commerc	C03b Small C	**C03b Small C**	Crutchfield	BHVAC	1	13	$ 78,400	$ 78,400	$ -	0.00%	0.00%	0.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	189,904	50%	20%	21%	9%	120.00000	48.0%	72.0%	48.0%	48.0%														$180,606.94	$65,053.00	$245,659.94	$0.00	$245,659.94
94	C - Commerc	C03b Small C	C03b Small C&I Retrofit							$ -	0.00%	0.00%	0.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%		31%	36%	15%	18%		0.0%	0.0%	0.0%	0.0%																$0.00		$0.00
95	C - Commerc	C03b Small C	C03b Small C&I Retrofit							$ -	0.00%	0.00%	0.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%		0%	0%	0%	0%		0.0%	0.0%	0.0%	0.0%																$0.00		$0.00
96	C - Commerc	C03b Small C	C03b Small C&I Retrofit							$ -	0.00%	0.00%	0.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%		0%	0%	0%	0%		0.0%	0.0%	0.0%	0.0%																$0.00		$0.00
97	C - Commerc	C03b Small C	C03b Small C&I Retrofit							$ -	0.00%	0.00%	0.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%		0%	0%	0%	0%		0.0%	0.0%	0.0%	0.0%																$0.00		$0.00
98	C - Commerc	C03b Small C	C03b Small C&I Retrofit							$ -	0.00%	0.00%	0.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%		0%	0%	0%	0%		0.0%	0.0%	0.0%	0.0%																$0.00		$0.00
99	C - Commerc	C03b Small C	C03b Small C&I Retrofit							$ -	0.00%	0.00%	0.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%		0%	0%	0%	0%		0.0%	0.0%	0.0%	0.0%																$0.00		$0.00
100	C - Commerc	C03b Small C	C03b Small C&I Retrofit							$ -	0.00%	0.00%	0.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%		0%	0%	0%	0%		0.0%	0.0%	0.0%	0.0%																$0.00		$0.00
101	C - Commerc	C03b Small C	C03b Small C&I Retrofit							$ -	0.00%	0.00%	0.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%		0%	0%	0%	0%		0.0%	0.0%	0.0%	0.0%																$0.00		$0.00
102	-	-	-							$ -	0.00%	0.00%	0.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%							0.0%	0.0%	0.0%	0.0%																$0.00		$0.00
103	-	-	-							$ -	0.00%	0.00%	0.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%							0.0%	0.0%	0.0%	0.0%																$0.00		$0.00
104	-	-	-							$ -	0.00%	0.00%	0.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%							0.0%	0.0%	0.0%	0.0%																$0.00		$0.00
105	-	-	-							$ -	0.00%	0.00%	0.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%							0.0%	0.0%	0.0%	0.0%																$0.00		$0.00
106	-	-	-							$ -	0.00%	0.00%	0.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%						0.000	0.0%	0.0%	0.0%	0.0%																$0.00		$0.00
107	-	-	-							$ -	0.00%	0.00%	0.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%						0.000	0.0%	0.0%	0.0%	0.0%																$0.00		$0.00
108	-	-	-							$ -	0.00%	0.00%	0.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%						0.000	0.0%	0.0%	0.0%	0.0%																$0.00		$0.00
109	-	-	-							$ -	0.00%	0.00%	0.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%						0.000	0.0%	0.0%	0.0%	0.0%																$0.00		$0.00
110	-	-	-							$ -	0.00%	0.00%	0.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%						0.000	0.0%	0.0%	0.0%	0.0%																$0.00		$0.00
111	-	-	-							$ -	0.00%	0.00%	0.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%						0.000	0.0%	0.0%	0.0%	0.0%																$0.00		$0.00
112	-	-	-							$ -	0.00%	0.00%	0.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%						0.000	0.0%	0.0%	0.0%	0.0%																$0.00		$0.00
113	-	-	-							$ -	0.00%	0.00%	0.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%						0.000	0.0%	0.0%	0.0%	0.0%																$0.00		$0.00
114	-	-	-							$ -	0.00%	0.00%	0.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%						0.000	0.0%	0.0%	0.0%	0.0%																$0.00		$0.00
115	-	-	-							$ -	0.00%	0.00%	0.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%						0.000	0.0%	0.0%	0.0%	0.0%																$0.00		$0.00
116	-	-	-							$ -	0.00%	0.00%	0.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%						0.000	0.0%	0.0%	0.0%	0.0%																$0.00		$0.00
117	-	-	-							$ -	0.00%	0.00%	0.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%						0.000	0.0%	0.0%	0.0%	0.0%																$0.00		$0.00
118	-	-	-							$ -	0.00%	0.00%	0.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%						0.000	0.0%	0.0%	0.0%	0.0%																$0.00		$0.00
119	-	-	-							$ -	0.00%	0.00%	0.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%						0.000	0.0%	0.0%	0.0%	0.0%																$0.00		$0.00
120	-	-	-							$ -	0.00%	0.00%	0.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%						0.000	0.0%	0.0%	0.0%	0.0%																$0.00		$0.00
121	-	-	-							$ -	0.00%	0.00%	0.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%						0.000	0.0%	0.0%	0.0%	0.0%																$0.00		$0.00
122	-	-	-							$ -	0.00%	0.00%	0.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%						0.000	0.0%	0.0%	0.0%	0.0%																$0.00		$0.00
123	-	-	-							$ -	0.00%	0.00%	0.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%						0.000	0.0%	0.0%	0.0%	0.0%																$0.00		$0.00
124	-	-	-							$ -	0.00%	0.00%	0.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%						0.000	0.0%	0.0%	0.0%	0.0%																$0.00		$0.00
125	-	-	-							$ -	0.00%	0.00%	0.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%						0.000	0.0%	0.0%	0.0%	0.0%																$0.00		$0.00
126	-	-	-							$ -	0.00%	0.00%	0.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%						0.000	0.0%	0.0%	0.0%	0.0%																$0.00		$0.00
127	-	-	-							$ -	0.00%	0.00%	0.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%						0.000	0.0%	0.0%	0.0%	0.0%																$0.00		$0.00
128	-	-	-							$ -	0.00%	0.00%	0.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%						0.000	0.0%	0.0%	0.0%	0.0%																$0.00		$0.00
129	-	-	-							$ -	0.00%	0.00%	0.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%						0.000	0.0%	0.0%	0.0%	0.0%																$0.00		$0.00
130	-	-	-							$ -	0.00%	0.00%	0.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%						0.000	0.0%	0.0%	0.0%	0.0%																$0.00		$0.00
131	-	-	-							$ -	0.00%	0.00%	0.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%						0.000	0.0%	0.0%	0.0%	0.0%																$0.00		$0.00
132	-	-	-							$ -	0.00%	0.00%	0.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%						0.000	0.0%	0.0%	0.0%	0.0%																$0.00		$0.00
133	-	-	-							$ -	0.00%	0.00%	0.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%						0.000	0.0%	0.0%	0.0%	0.0%																$0.00		$0.00
134	-	-	-							$ -	0.00%	0.00%	0.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%						0.000	0.0%	0.0%	0.0%	0.0%																$0.00		$0.00
135	-	-	-							$ -	0.00%	0.00%	0.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%						0.000	0.0%	0.0%	0.0%	0.0%																$0.00		$0.00
136	-	-	-							$ -	0.00%	0.00%	0.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%						0.000	0.0%	0.0%	0.0%	0.0%																$0.00		$0.00
137	-	-	-							$ -	0.00%	0.00%	0.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%						0.000	0.0%	0.0%	0.0%	0.0%																$0.00		$0.00
138	-	-	-							$ -	0.00%	0.00%	0.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%						0.000	0.0%	0.0%	0.0%	0.0%																$0.00		$0.00
139	-	-	-							$ -	0.00%	0.00%	0.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%						0.000	0.0%	0.0%	0.0%	0.0%																$0.00		$0.00
140	-	-	-							$ -	0.00%	0.00%	0.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%						0.000	0.0%	0.0%	0.0%	0.0%																$0.00		$0.00
141	-	-	-							$ -	0.00%	0.00%	0.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%						0.000	0.0%	0.0%	0.0%	0.0%																$0.00		$0.00
142	-	-	-							$ -	0.00%	0.00%	0.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%						0.000	0.0%	0.0%	0.0%	0.0%																$0.00		$0.00
143	-	-	-							$ -	0.00%	0.00%	0.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%						0.000	0.0%	0.0%	0.0%	0.0%																$0.00		$0.00
144	-	-	-							$ -	0.00%	0.00%	0.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%						0.000	0.0%	0.0%	0.0%	0.0%																$0.00		$0.00
145	-	-	-							$ -	0.00%	0.00%	0.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%						0.000	0.0%	0.0%	0.0%	0.0%																$0.00		$0.00
146	-	-	-							$ -	0.00%	0.00%	0.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%						0.000	0.0%	0.0%	0.0%	0.0%																$0.00		$0.00
147	-	-	-							$ -	0.00%	0.00%	0.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%						0.000	0.0%	0.0%	0.0%	0.0%																$0.00		$0.00
148	-	-	-							$ -	0.00%	0.00%	0.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%						0.000	0.0%	0.0%	0.0%	0.0%																$0.00		$0.00
149	-	-	-							$ -	0.00%	0.00%	0.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%						0.000	0.0%	0.0%	0.0%	0.0%																$0.00		$0.00
150	-	-	-							$ -	0.00%	0.00%	0.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%						0.000	0.0%	0.0%	0.0%	0.0%																$0.00		$0.00
151	-	-	-							$ -	0.00%	0.00%	0.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%						0.000	0.0%	0.0%	0.0%	0.0%																$0.00		$0.00
152	-	-	-							$ -	0.00%	0.00%	0.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%						0.000	0.0%	0.0%	0.0%	0.0%																$0.00		$0.00
153	-	-	-							$ -	0.00%	0.00%	0.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%						0.000	0.0%	0.0%	0.0%	0.0%																$0.00		$0.00
154	-	-	-							$ -	0.00%	0.00%	0.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%						0.000	0.0%	0.0%	0.0%	0.0%																$0.00		$0.00
155	-	-	-							$ -	0.00%	0.00%	0.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%						0.000	0.0%	0.0%	0.0%	0.0%																$0.00		$0.00
156	-	-	-							$ -	0.00%	0.00%	0.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%						0.000	0.0%	0.0%	0.0%	0.0%																$0.00		$0.00
157	-	-	-							$ -	0.00%	0.00%	0.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%						0.000	0.0%	0.0%	0.0%	0.0%																$0.00		$0.00
158	-	-	-							$ -	0.00%	0.00%	0.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%						0.000	0.0%	0.0%	0.0%	0.0%																$0.00		$0.00
159	-	-	-							$ -	0.00%	0.00%	0.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%						0.000	0.0%	0.0%	0.0%	0.0%																$0.00		$0.00
160	-	-	-							$ -	0.00%	0.00%	0.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%						0.000	0.0%	0.0%	0.0%	0.0%																$0.00		$0.00
161	-	-	-							$ -	0.00%	0.00%	0.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%						0.000	0.0%	0.0%	0.0%	0.0%																$0.00		$0.00
162	-	-	-							$ -	0.00%	0.00%	0.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%						0.000	0.0%	0.0%	0.0%	0.0%																$0.00		$0.00
163	-	-	-							$ -	0.00%	0.00%	0.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%						0.000	0.0%	0.0%	0.0%	0.0%																$0.00		$0.00
164	-	-	-							$ -	0.00%	0.00%	0.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%						0.000	0.0%	0.0%	0.0%	0.0%																$0.00		$0.00
165	-	-	-							$ -	0.00%	0.00%	0.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	-					0.000	0.0%	0.0%	0.0%	0.0%																$0.00		$0.00
166	-	-	-							$ -	0.00%	0.00%	0.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	-					0.000	0.0%	0.0%	0.0%	0.0%																$0.00		$0.00
167	-	-	-							$ -	0.00%	0.00%	0.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	-					0.000	0.0%	0.0%	0.0%	0.0%																$0.00		$0.00
168	-	-	-							$ -	0.00%	0.00%	0.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	-					0.000	0.0%	0.0%	0.0%	0.0%																$0.00		$0.00
169	-	-	-							$ -	0.00%	0.00%	0.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	-					0.000	0.0%	0.0%	0.0%	0.0%																$0.00		$0.00
170	-	-	-							$ -	0.00%	0.00%	0.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	-					0.000	0.0%	0.0%	0.0%	0.0%																$0.00		$0.00
171	-	-	-							$ -	0.00%	0.00%	0.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	-					0.000	0.0%	0.0%	0.0%	0.0%																$0.00		$0.00
172	-	-	-							$ -	0.00%	0.00%	0.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	-					0.000	0.0%	0.0%	0.0%	0.0%																$0.00		$0.00

NO	SECTOR	BCR_ACTIVITY	PROGRAM	YEAR	INTERNAL ADMIN	EXTERNAL ADMIN	REBATES	INTERNAL IMPLEMENT	MKTING	EVAL	PERF INCENT	TOTAL	CUSTOMER COST
NO	SECTOR	BCR_ACTIVITY	PROGRAM	YEAR	INADM	ADMEX	REBTS	INIMP	NHMKT	EVAL	SHI	TOTAL	CUSTCOST
1	A - Residential	A02a Residential Lost Opportunity	A02a ENERGY STAR Homes	2009								$0	GY STAR Homes
2	A - Residential	A03a Residential Retrofit 1-4	A03a Home Energy Solutions	2009								$0	Energy Solutions
3	A - Residential	A04c Res EE Website	A05a EE Website	2009								$0	A05a EE Website
4	A - Residential	A04a Residential Lighting	A04a ENERGY STAR Lighting	2009								$0	Y STAR Lighting
5	A - Residential	A04c Res EE Website	A05a EE Website	2009								$0	A05a EE Website
6	A - Residential	A04b Residential Appliances	A04b ENERGY STAR Appl	2009								$0	RGY STAR Appl
7	A - Residential	A04c Res EE Website	A05a EE Website	2009								$0	A05a EE Website
8	A - Residential	A05b Res / K-12 Education	A05b Res / K-12 Education	2009								$0	/ K-12 Education
9	A - Residential	A06a ISO-Related Expenses Res Non-LI	A06a ISO-Related Expenses Re	2009								$0	nses Res Non-LI
10	A - Residential	A07x Perf. Incentive Tax Liability	A07x Perf. Incentive Tax Liability	2009								$0	ntive Tax Liability
11	B - Low Income	B02a -	B02a -	2009								$0	B02a -
12	B - Low Income	B03a Low-Income Retrofit 1-4	B03a Home Energy Assistance	2009								$0	nergy Assistance
13	B - Low Income	B06a ISO-Related Expenses Res LI	B06a ISO-Related Expenses Re	2009								$0	Expenses Res LI
14	B - Low Income	B07x Perf. Incentive Tax Liability	B07x Perf. Incentive Tax Liability	2009								$0	ntive Tax Liability
15	C - Commercial & Industrial	C02a C&I Lost Opportunity	C02a C&I New Construction	2009								$0	lew Construction
16	C - Commercial & Industrial	C04c C&I EE Website	C05d C&I EE Website	2009								$0	C&I EE Website
17	C - Commercial & Industrial	C03a Large C&I Retrofit	C03a Large C&I Retrofit	2009								$0	arge C&I Retrofit
18	C - Commercial & Industrial	C04c C&I EE Website	C05d C&I EE Website	2009								$0	C&I EE Website
19	C - Commercial & Industrial	C03b Small C&I Retrofit	C03b Small C&I Retrofit	2009			$78,400					$78,400	mall C&I Retrofit
20	C - Commercial & Industrial	C04c C&I EE Website	C05d C&I EE Website	2009								$0	C&I EE Website
21	C - Commercial & Industrial	C05b Cust/Contr Education	C05b Cust/Contr Education	2009								$0	/Contr Education
22	C - Commercial & Industrial	C06a ISO-Related Expenses C&I	C06a ISO-Related Expenses C&	2009								$0	ed Expenses C&I
23	C - Commercial & Industrial	C07x Perf. Incentive Tax Liability	C07x Perf. Incentive Tax Liability	2009								$0	ntive Tax Liability
												$0	$0
												$0	$0
												$0	$0

			$0	$0
			$0	$0
			$0	$0

			$0	$0
			$0	$0
			$0	$0
			$0	$0

Summary of Benefits (2010 $s)
Total Resource Cost Test

BCR Activity	TRC Benefit/ Cost	TRC Net Benefit ($000)	NPV Total Benefits ($000)	NPV Total Costs ($000)	NPV PA Costs ($000)
Residential					
A02a Residential Lost Opportunity	0.0	$0.0	$0.0	$0.0	$0.0
A03a Residential Retrofit 1-4	0.0	$0.0	$0.0	$0.0	$0.0
A04a Residential Lighting	0.0	$0.0	$0.0	$0.0	$0.0
A04b Residential Appliances	0.0	$0.0	$0.0	$0.0	$0.0
A04c Res EE Website	0.0	$0.0	$0.0	$0.0	$0.0
A05b Res / K-12 Education	0.0	$0.0	$0.0	$0.0	$0.0
A06a ISO-Related Expenses Res No	0.0	$0.0	$0.0	$0.0	$0.0
A07x Perf. Incentive Tax Liability	0.0	$0.0	$0.0	$0.0	$0.0
Subtotal: Residential	**0.0**	**$0.0**	**$0.0**	**$0.0**	**$0.0**
Low Income					
B02a -	0.0	$0.0	$0.0	$0.0	$0.0
B03a Low-Income Retrofit 1-4	0.0	$0.0	$0.0	$0.0	$0.0
B06a ISO-Related Expenses Res LI	0.0	$0.0	$0.0	$0.0	$0.0
B07x Perf. Incentive Tax Liability	0.0	$0.0	$0.0	$0.0	$0.0
Subtotal: Low Income	**0.0**	**$0.0**	**$0.0**	**$0.0**	**$0.0**
Com/Ind					
C02a C&I Lost Opportunity	0.0	$0.0	$0.0	$0.0	$0.0
C03a Large C&I Retrofit	0.0	$0.0	$0.0	$0.0	$0.0
C03b Small C&I Retrofit	3.1	$167.3	$245.7	$78.4	$78.4
C04c C&I EE Website	0.0	$0.0	$0.0	$0.0	$0.0
C05b Cust/Contr Education	0.0	$0.0	$0.0	$0.0	$0.0
C06a ISO-Related Expenses C&I	0.0	$0.0	$0.0	$0.0	$0.0
C07x Perf. Incentive Tax Liability	0.0	$0.0	$0.0	$0.0	$0.0
Subtotal: C&I	**3.1**	**$167.3**	**$245.7**	**$78.4**	**$78.4**
Grand Total	**3.1**	**$167.3**	**$245.7**	**$78.4**	**$78.4**

BCR Activity	Total Benefits	Capacity					Energy				Non Electric		Load Reduction			MWh Saved		Value	
		Generation					Winter		Summer									Energy	Non Elect
		Summer	Winter	Trans	MDC	DRIPE	Peak	Off Peak	Peak	Off Peak	Resource	Non-Resource	Summer	Winter	Lifetime	Annual	Lifetime	DRIPE	CO2 Reductions
A - Residential	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	0	0	0	0	0.000	$0	$0
A02a Residential Lost Opportunity	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	0	0	0	0	0.000	$0	$0
A03a Residential Retrofit 1-4	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	0	0	0	0	0.000	$0	$0
A04a Residential Lighting	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	0	0	0	0	0.000	$0	$0
A04b Residential Appliances	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	0	0	0	0	0.000	$0	$0
B - Low Income	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	0	0	0	0	0.000	$0	$0
B02a Low Income Lost Opportunity	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	0	0	0	0	0.000	$0	$0
B03a Low-Income Retrofit 1-4	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	0	0	0	0	0.000	$0	$0
C - Commercial & Industrial	$245,660	$21,085	$0	$8,402	$25,804	$9,762	$94,604	$31,313	$41,162	$13,527	$0	$0	58	86	749	190	2,468.752	$63,310	$75,635
C02a C&I Lost Opportunity	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	0	0	0	0	0.000	$0	$0
C03a Large C&I Retrofit	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	0	0	0	0	0.000	$0	$0
C03b Small C&I Retrofit	$245,660	$21,085	$0	$8,402	$25,804	$9,762	$94,604	$31,313	$41,162	$13,527	$0	$0	58	86	749	190	2,468.752	$63,310	$75,635
Grand Total	**$245,660**	**$21,085**	**$0**	**$8,402**	**$25,804**	**$9,762**	**$94,604**	**$31,313**	**$41,162**	**$13,527**	**$0**	**$0**	**58**	**86**	**749**	**190**	**2,469**	**$63,310**	**$75,635**

Year	Total

Inputs							Electric Energy (total)					Capacity (total)							Non-Electric Benefits (NEB's total)																				Total														
Measure #	Sector	BCR Activity	Program	Measure	Measure Life	Quantity	Winter Peak Energy	Winter Off-Peak Energy	Summer Peak Energy	Summer Off-Peak Energy	Total Energy	Summer Generation	DRIPE	Winter Generation	Transmission	Distribution	Total Capacity	Total Electric Benefit	Fuel Oil - Residential Distillate	Fuel Oil - Com #2 Oil	Fuel Oil - Com #4 Oil	Fuel Oil - Ind #6 Oil	Fuel Oil - Kerosene	NG - Res Hot Water	NG - Res Gas Old Bldg	NG - Res Gas New Bldg	NG - C&I Gas DHW	NG - C&I Gas Heat	NG - C&I Gas All	Propane	Kerosene	Wood	Res Water	C&I Water	C&I Sewer	Total Resource	Non-Resource	TOTAL NEB	Total Avoided Cost *(TR Benefit)*	Annual Net MWh Savings	Lifetime MWh Savings	Max Net kW	Winter kW	Summer/ Annual kw	Lifetime kW	Annual Oil MMBTU Savings	Annual Gas MMBTU Savings	Annual Propane MMBTU Savings	Annual Kerosene MMBTU Savings	Annual Wood MMBTU Savings	Annual Water Savings Gallons	Incentive	Incremental Cost
1	A - Reside	A02a Resi	A02a ENERGY STAR Ho	0		0	$0	$0	$0	$0		$0	$0	$0	$0	$0			$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0			0.000	0	0.000	0.0	0.0	0.0	-	-	-	-	-	-	$0	$0
2	A - Reside	A02a Resi	A02a ENERGY STAR Ho	0		0	$0	$0	$0	$0		$0	$0	$0	$0	$0			$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0			0.000	0	0.000	0.0	0.0	0.0	-	-	-	-	-	-	$0	$0
3	A - Reside	A02a Resi	A02a ENERGY STAR Ho	0		0	$0	$0	$0	$0		$0	$0	$0	$0	$0			$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0			0.000	0	0.000	0.0	0.0	0.0	-	-	-	-	-	-	$0	$0
4	A - Reside	A02a Resi	A02a ENERGY STAR Ho	0		0	$0	$0	$0	$0		$0	$0	$0	$0	$0			$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0			0.000	0	0.000	0.0	0.0	0.0	-	-	-	-	-	-	$0	$0
5	A - Reside	A02a Resi	A02a ENERGY STAR Ho	0		0	$0	$0	$0	$0		$0	$0	$0	$0	$0			$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0			0.000	0	0.000	0.0	0.0	0.0	-	-	-	-	-	-	$0	$0
6	A - Reside	A02a Resi	A02a ENERGY STAR Ho	0		0	$0	$0	$0	$0		$0	$0	$0	$0	$0			$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0			0.000	0	0.000	0.0	0.0	0.0	-	-	-	-	-	-	$0	$0
7	A - Reside	A02a Resi	A02a ENERGY STAR Ho	0		0	$0	$0	$0	$0		$0	$0	$0	$0	$0			$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0			0.000	0	0.000	0.0	0.0	0.0	-	-	-	-	-	-	$0	$0
8	A - Reside	A02a Resi	A02a ENERGY STAR Ho	0		0	$0	$0	$0	$0		$0	$0	$0	$0	$0			$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0			0.000	0	0.000	0.0	0.0	0.0	-	-	-	-	-	-	$0	$0
9	A - Reside	A02a Resi	A02a ENERGY STAR Ho	0		0	$0	$0	$0	$0		$0	$0	$0	$0	$0			$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0			0.000	0	0.000	0.0	0.0	0.0	-	-	-	-	-	-	$0	$0
10	A - Reside	A02a Resi	A02a ENERGY STAR Ho	--		0	$0	$0	$0	$0		$0	$0	$0	$0	$0			$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0			0.000	0	0.000	0.0	0.0	0.0	-	-	-	-	-	-	$0	$0
11	A - Reside	A02a Resi	A02a ENERGY STAR Ho	--		0	$0	$0	$0	$0		$0	$0	$0	$0	$0			$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0			0.000	0	0.000	0.0	0.0	0.0	-	-	-	-	-	-	$0	$0
12	A - Reside	A02a Resi	A02a ENERGY STAR Ho	--		0	$0	$0	$0	$0		$0	$0	$0	$0	$0			$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0			0.000	0	0.000	0.0	0.0	0.0	-	-	-	-	-	-	$0	$0
13	A - Reside	A02a Resi	A02a ENERGY STAR Ho	--		0	$0	$0	$0	$0		$0	$0	$0	$0	$0			$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0			0.000	0	0.000	0.0	0.0	0.0	-	-	-	-	-	-	$0	$0
14	A - Reside	A02a Resi	A02a ENERGY STAR Ho	--		0	$0	$0	$0	$0		$0	$0	$0	$0	$0			$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0			0.000	0	0.000	0.0	0.0	0.0	-	-	-	-	-	-	$0	$0
15	A - Reside	A02a Resi	A02a ENERGY STAR Ho	--		0	$0	$0	$0	$0		$0	$0	$0	$0	$0			$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0			0.000	0	0.000	0.0	0.0	0.0	-	-	-	-	-	-	$0	$0
16	A - Reside	A03a Resi	A03a Home Energy Solut	0		0	$0	$0	$0	$0		$0	$0	$0	$0	$0			$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0			0.000	0	0.000	0.0	0.0	0.0	-	-	-	-	-	-	$0	$0
17	A - Reside	A03a Resi	A03a Home Energy Solut	0		0	$0	$0	$0	$0		$0	$0	$0	$0	$0			$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0			0.000	0	0.000	0.0	0.0	0.0	-	-	-	-	-	-	$0	$0
18	A - Reside	A03a Resi	A03a Home Energy Solut	0		0	$0	$0	$0	$0		$0	$0	$0	$0	$0			$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0			0.000	0	0.000	0.0	0.0	0.0	-	-	-	-	-	-	$0	$0
19	A - Reside	A03a Resi	A03a Home Energy Solut	0		0	$0	$0	$0	$0		$0	$0	$0	$0	$0			$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0			0.000	0	0.000	0.0	0.0	0.0	-	-	-	-	-	-	$0	$0
20	A - Reside	A03a Resi	A03a Home Energy Solut	0		0	$0	$0	$0	$0		$0	$0	$0	$0	$0			$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0			0.000	0	0.000	0.0	0.0	0.0	-	-	-	-	-	-	$0	$0
21	A - Reside	A03a Resi	A03a Home Energy Solut	0		0	$0	$0	$0	$0		$0	$0	$0	$0	$0			$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0			0.000	0	0.000	0.0	0.0	0.0	-	-	-	-	-	-	$0	$0
22	A - Reside	A03a Resi	A03a Home Energy Solut	0		0	$0	$0	$0	$0		$0	$0	$0	$0	$0			$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0			0.000	0	0.000	0.0	0.0	0.0	-	-	-	-	-	-	$0	$0
23	A - Reside	A03a Resi	A03a Home Energy Solut	0		0	$0	$0	$0	$0		$0	$0	$0	$0	$0			$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0			0.000	0	0.000	0.0	0.0	0.0	-	-	-	-	-	-	$0	$0
24	A - Reside	A03a Resi	A03a Home Energy Solut	0		0	$0	$0	$0	$0		$0	$0	$0	$0	$0			$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0			0.000	0	0.000	0.0	0.0	0.0	-	-	-	-	-	-	$0	$0
25	A - Reside	A03a Resi	A03a Home Energy Solut	0		0	$0	$0	$0	$0		$0	$0	$0	$0	$0			$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0			0.000	0	0.000	0.0	0.0	0.0	-	-	-	-	-	-	$0	$0
26	A - Reside	A03a Resi	A03a Home Energy Solut	0		0	$0	$0	$0	$0		$0	$0	$0	$0	$0			$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0			0.000	0	0.000	0.0	0.0	0.0	-	-	-	-	-	-	$0	$0
27	A - Reside	A03a Resi	A03a Home Energy Solut	0		0	$0	$0	$0	$0		$0	$0	$0	$0	$0			$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0			0.000	0	0.000	0.0	0.0	0.0	-	-	-	-	-	-	$0	$0
28	A - Reside	A03a Resi	A03a Home Energy Solut	0		0	$0	$0	$0	$0		$0	$0	$0	$0	$0			$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0			0.000	0	0.000	0.0	0.0	0.0	-	-	-	-	-	-	$0	$0
29	A - Reside	A03a Resi	A03a Home Energy Solut	0		0	$0	$0	$0	$0		$0	$0	$0	$0	$0			$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0			0.000	0	0.000	0.0	0.0	0.0	-	-	-	-	-	-	$0	$0
30	A - Reside	A03a Resi	A03a Home Energy Solut	0		0	$0	$0	$0	$0		$0	$0	$0	$0	$0			$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0			0.000	0	0.000	0.0	0.0	0.0	-	-	-	-	-	-	$0	$0
31	A - Reside	A03a Resi	A03a Home Energy Solut	0		0	$0	$0	$0	$0		$0	$0	$0	$0	$0			$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0			0.000	0	0.000	0.0	0.0	0.0	-	-	-	-	-	-	$0	$0
32	A - Reside	A03a Resi	A03a Home Energy Solut	0		0	$0	$0	$0	$0		$0	$0	$0	$0	$0			$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0			0.000	0	0.000	0.0	0.0	0.0	-	-	-	-	-	-	$0	$0
33	A - Reside	A03a Resi	A03a Home Energy Solut	0		0	$0	$0	$0	$0		$0	$0	$0	$0	$0			$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0			0.000	0	0.000	0.0	0.0	0.0	-	-	-	-	-	-	$0	$0
34	A - Reside	A04a Resi	A04a ENERGY STAR Lig	0		0	$0	$0	$0	$0		$0	$0	$0	$0	$0			$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0			0.000	0	0.000	0.0	0.0	0.0	-	-	-	-	-	-	$0	$0
35	A - Reside	A04a Resi	A04a ENERGY STAR Lig	0		0	$0	$0	$0	$0		$0	$0	$0	$0	$0			$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0			0.000	0	0.000	0.0	0.0	0.0	-	-	-	-	-	-	$0	$0
36	A - Reside	A04a Resi	A04a ENERGY STAR Lig	0		0	$0	$0	$0	$0		$0	$0	$0	$0	$0			$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0			0.000	0	0.000	0.0	0.0	0.0	-	-	-	-	-	-	$0	$0
37	A - Reside	A04a Resi	A04a ENERGY STAR Lig	0		0	$0	$0	$0	$0		$0	$0	$0	$0	$0			$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0			0.000	0	0.000	0.0	0.0	0.0	-	-	-	-	-	-	$0	$0
38	A - Reside	A04a Resi	A04a ENERGY STAR Lig	0		0	$0	$0	$0	$0		$0	$0	$0	$0	$0			$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0			0.000	0	0.000	0.0	0.0	0.0	-	-	-	-	-	-	$0	$0
39	A - Reside	A04a Resi	A04a ENERGY STAR Lig	0		0	$0	$0	$0	$0		$0	$0	$0	$0	$0			$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0			0.000	0	0.000	0.0	0.0	0.0	-	-	-	-	-	-	$0	$0
40	A - Reside	A04a Resi	A04a ENERGY STAR Lig	0		0	$0	$0	$0	$0		$0	$0	$0	$0	$0			$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0			0.000	0	0.000	0.0	0.0	0.0	-	-	-	-	-	-	$0	$0
41	A - Reside	A04a Resi	A04a ENERGY STAR Lig	0		0	$0	$0	$0	$0		$0	$0	$0	$0	$0			$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0			0.000	0	0.000	0.0	0.0	0.0	-	-	-	-	-	-	$0	$0
42	A - Reside	A04a Resi	A04a ENERGY STAR Lig	0		0	$0	$0	$0	$0		$0	$0	$0	$0	$0			$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0			0.000	0	0.000	0.0	0.0	0.0	-	-	-	-	-	-	$0	$0
43	A - Reside	A04b Resi	A04b ENERGY STAR Ap	0		0	$0	$0	$0	$0		$0	$0	$0	$0	$0			$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0			0.000	0	0.000	0.0	0.0	0.0	-	-	-	-	-	-	$0	$0
44	A - Reside	A04b Resi	A04b ENERGY STAR Ap	0		0	$0	$0	$0	$0		$0	$0	$0	$0	$0			$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0			0.000	0	0.000	0.0	0.0	0.0	-	-	-	-	-	-	$0	$0
45	A - Reside	A04b Resi	A04b ENERGY STAR Ap	0		0	$0	$0	$0	$0		$0	$0	$0	$0	$0			$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0			0.000	0	0.000	0.0	0.0	0.0	-	-	-	-	-	-	$0	$0
46	A - Reside	A04b Resi	A04b ENERGY STAR Ap	0		0	$0	$0	$0	$0		$0	$0	$0	$0	$0			$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0			0.000	0	0.000	0.0	0.0	0.0	-	-	-	-	-	-	$0	$0
47	A - Reside	A04b Resi	A04b ENERGY STAR Ap	0		0	$0	$0	$0	$0		$0	$0	$0	$0	$0			$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0			0.000	0	0.000	0.0	0.0	0.0	-	-	-	-	-	-	$0	$0
48	A - Reside	A04b Resi	A04b ENERGY STAR Ap	0		0	$0	$0	$0	$0		$0	$0	$0	$0	$0			$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0			0.000	0	0.000	0.0	0.0	0.0	-	-	-	-	-	-	$0	$0
49	A - Reside	A04b Resi	A04b ENERGY STAR Ap	0		0	$0	$0	$0	$0		$0	$0	$0	$0	$0			$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0			0.000	0	0.000	0.0	0.0	0.0	-	-	-	-	-	-	$0	$0
50	A - Reside	A04b Resi	A04b ENERGY STAR Ap	0		0	$0	$0	$0	$0		$0	$0	$0	$0	$0			$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0			0.000	0	0.000	0.0	0.0	0.0	-	-	-	-	-	-	$0	$0
51	A - Reside	A04b Resi	A04b ENERGY STAR Ap	0		0	$0	$0	$0	$0		$0	$0	$0	$0	$0			$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0			0.000	0	0.000	0.0	0.0	0.0	-	-	-	-	-	-	$0	$0
52	B - Low In	B02a Low	B02a Low Income Lost O	0		0	$0	$0	$0	$0		$0	$0	$0	$0	$0			$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0			0.000	0	0.000	0.0	0.0	0.0	-	-	-	-	-	-	$0	$0
53	B - Low In	B02a Low	B02a Low Income Lost O	0		0	$0	$0	$0	$0		$0	$0	$0	$0	$0			$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0			0.000	0	0.000	0.0	0.0	0.0	-	-	-	-	-	-	$0	$0
54	B - Low In	B02a Low	B02a Low Income Lost O	0		0	$0	$0	$0	$0		$0	$0	$0	$0	$0			$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0			0.000	0	0.000	0.0	0.0	0.0	-	-	-	-	-	-	$0	$0
55	B - Low In	B02a Low	B02a Low Income Lost O	0		0	$0	$0	$0	$0		$0	$0	$0	$0	$0			$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0			0.000	0	0.000	0.0	0.0	0.0	-	-	-	-	-	-	$0	$0
56	B - Low In	B02a Low	B02a Low Income Lost O	0		0	$0	$0	$0	$0		$0	$0	$0	$0	$0			$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0			0.000	0	0.000	0.0	0.0	0.0	-	-	-	-	-	-	$0	$0
57	B - Low In	B02a Low	B02a Low Income Lost O	0		0	$0	$0	$0	$0		$0	$0	$0	$0	$0			$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0			0.000	0	0.000	0.0	0.0	0.0	-	-	-	-	-	-	$0	$0
58	B - Low In	B02a Low	B02a Low Income Lost O	0		0	$0	$0	$0	$0		$0	$0	$0	$0	$0			$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0			0.000	0	0.000	0.0	0.0	0.0	-	-	-	-	-	-	$0	$0
59	B - Low In	B02a Low	B02a Low Income Lost O	0		0	$0	$0	$0	$0		$0	$0	$0	$0	$0			$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0			0.000	0	0.000	0.0	0.0	0.0	-	-	-	-	-	-	$0	$0
60	B - Low In	B02a Low	B02a Low Income Lost O	0		0	$0	$0	$0	$0		$0	$0	$0	$0	$0			$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0			0.000	0	0.000	0.0	0.0	0.0	-	-	-	-	-	-	$0	$0
61	B - Low In	B03a Low-	B03a Home Energy Assis	0		0	$0	$0	$0	$0		$0	$0	$0	$0	$0			$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0			0.000	0	0.000	0.0	0.0	0.0	-	-	-	-	-	-	$0	$0
62	B - Low In	B03a Low-	B03a Home Energy Assis	0		0	$0	$0	$0	$0		$0	$0	$0	$0	$0			$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0			0.000	0	0.000	0.0	0.0	0.0	-	-	-	-	-	-	$0	$0
63	B - Low In	B03a Low-	B03a Home Energy Assis	0		0	$0	$0	$0	$0		$0	$0	$0	$0	$0			$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0			0.000	0	0.000	0.0	0.0	0.0	-	-	-	-	-	-	$0	$0
64	B - Low In	B03a Low-	B03a Home Energy Assis	0		0	$0	$0	$0	$0		$0	$0	$0	$0	$0			$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0			0.000	0	0.000	0.0	0.0	0.0	-	-	-	-	-	-	$0	$0
65	B - Low In	B03a Low-	B03a Home Energy Assis	0		0	$0	$0	$0	$0		$0	$0	$0	$0	$0			$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0			0.000	0	0.000	0.0	0.0	0.0	-	-	-	-	-	-	$0	$0
66	B - Low In	B03a Low-	B03a Home Energy Assis	0		0	$0	$0	$0	$0		$0	$0	$0	$0	$0			$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0			0.000	0	0.000	0.0	0.0	0.0	-	-	-	-	-	-	$0	$0
67	B - Low In	B03a Low-	B03a Home Energy Assis	0		0	$0	$0	$0	$0		$0	$0	$0	$0	$0			$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0			0.000	0	0.000	0.0	0.0	0.0	-	-	-	-	-	-	$0	$0
68	B - Low In	B03a Low-	B03a Home Energy Assis	0		0	$0	$0	$0	$0		$0	$0	$0	$0	$0			$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0			0.000	0	0.000	0.0	0.0	0.0	-	-	-	-	-	-	$0	$0
69	B - Low In	B03a Low-	B03a Home Energy Assis	0		0	$0	$0	$0	$0		$0	$0	$0	$0	$0			$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0			0.000	0	0.000	0.0	0.0	0.0	-	-	-	-	-	-	$0	$0
70	B - Low In	B03a Low-	B03a Home Energy Assis	0		0	$0	$0	$0	$0		$0	$0	$0	$0	$0			$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0			0.000	0	0.000	0.0	0.0	0.0	-	-	-	-	-	-	$0	$0
71	B - Low In	B03a Low-	B03a Home Energy Assis	0		0	$0	$0	$0	$0		$0	$0	$0	$0	$0			$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0			0.000	0	0.000	0.0	0.0	0.0	-	-	-	-	-	-	$0	$0
72	B - Low In	B03a Low-	B03a Home Energy Assis	0		0	$0	$0	$0	$0		$0	$0	$0	$0	$0			$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0			0.000	0	0.000	0.0	0.0	0.0	-	-	-	-	-	-	$0	$0
73	B - Low In	B03a Low-	B03a Home Energy Assis	0		0	$0	$0	$0	$0		$0	$0	$0	$0	$0			$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0			0.000	0	0.000	0.0	0.0	0.0	-	-	-	-	-	-	$0	$0
74	B - Low In	B03a Low-	B03a Home Energy Assis	0		0	$0	$0	$0	$0		$0	$0	$0	$0	$0			$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0			0.000	0	0.000	0.0	0.0	0.0	-	-	-	-	-	-	$0	$0
75	C - Comm	C02a C&I	C02a C&I New Construct	0		0	$0	$0	$0	$0		$0	$0	$0	$0	$0			$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0			0.000	0	0.000	0.0	0.0	0.0	-	-	-	-	-	-	$0	$0
76	C - Comm	C02a C&I	C02a C&I New Construct	0		0	$0	$0	$0	$0		$0	$0	$0	$0	$0			$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0			0.000	0	0.000	0.0	0.0	0.0	-	-	-	-	-	-	$0	$0
77	C - Comm	C02a C&I	C02a C&I New Construct	0		0	$0	$0	$0	$0		$0	$0	$0	$0	$0			$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0			0.000	0	0.000	0.0	0.0	0.0	-	-	-	-	-	-	$0	$0
78	C - Comm	C02a C&I	C02a C&I New Construct	0		0	$0	$0	$0	$0		$0	$0	$0	$0	$0			$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0			0.000	0	0.000	0.0	0.0	0.0	-	-	-	-	-	-	$0	$0
79	C - Comm	C02a C&I	C02a C&I New Construct	0		0	$0	$0	$0	$0		$0	$0	$0	$0	$0			$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0			0.000	0	0.000	0.0	0.0	0.0	-	-	-	-	-	-	$0	$0
80	C - Comm	C02a C&I	C02a C&I New Construct	0		0	$0	$0	$0	$0		$0	$0	$0	$0	$0			$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0			0.000	0	0.000	0.0	0.0	0.0	-	-	-	-	-	-	$0	$0
81	C - Comm	C02a C&I	C02a C&I New Construct	0		0	$0	$0	$0	$0		$0	$0	$0	$0	$0			$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0			0.000	0	0.000	0.0	0.0	0.0	-	-	-	-	-	-	$0	$0
82	C - Comm	C02a C&I	C02a C&I New Construct	0		0	$0	$0	$0	$0		$0	$0	$0	$0	$0			$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0			0.000	0	0.000	0.0	0.0	0.0	-	-	-	-	-	-	$0	$0
83	C - Comm	C02a C&I	C02a C&I New Construct	0		0	$0	$0	$0	$0		$0	$0	$0	$0	$0			$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0			0.000	0	0.000	0.0	0.0	0.0	-	-	-	-	-	-	$0	$0
84	C - Comm	C03a Larg	C03a Large C&I Retrofit	0		0	$0	$0	$0	$0		$0	$0	$0	$0	$0			$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0			0.000	0	0.000	0.0	0.0	0.0	-	-	-	-	-	-	$0	$0
85	C - Comm	C03a Larg	C03a Large C&I Retrofit	0		0	$0	$0	$0	$0		$0	$0	$0	$0	$0			$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0			0.000	0	0.000	0.0	0.0	0.0	-	-	-	-	-	-	$0	$0
86	C - Comm	C03a Larg	C03a Large C&I Retrofit	0		0	$0	$0	$0	$0		$0	$0	$0	$0	$0			$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0			0.000	0	0.000	0.0	0.0	0.0	-	-	-	-	-	-	$0	$0
87	C - Comm	C03a Larg	C03a Large C&I Retrofit	0		0	$0	$0	$0	$0		$0	$0	$0	$0	$0			$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0			0.000	0	0.000	0.0	0.0	0.0	-	-	-	-	-	-	$0	$0
88	C - Comm	C03a Larg	C03a Large C&I Retrofit	0		0	$0	$0	$0	$0		$0	$0	$0	$0	$0			$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0			0.000	0	0.000	0.0	0.0	0.0	-	-	-	-	-	-	$0	$0
89	C - Comm	C03a Larg	C03a Large C&I Retrofit	0		0	$0	$0	$0	$0		$0	$0	$0	$0	$0			$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0			0.000	0	0.000	0.0	0.0	0.0	-	-	-	-	-	-	$0	$0
90	C - Comm	C03a Larg	C03a Large C&I Retrofit	0		0	$0	$0	$0	$0		$0	$0	$0	$0	$0			$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0			0.000	0	0.000	0.0	0.0	0.0	-	-	-	-	-	-	$0	$0
91	C - Comm	C03a Larg	C03a Large C&I Retrofit	0		0	$0	$0	$0	$0		$0	$0	$0	$0	$0			$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0			0.000	0	0.000	0.0	0.0	0.0	-	-	-	-	-	-	$0	$0
92	C - Comm	C03a Larg	C03a Large C&I Retrofit	0		0	$0	$0	$0	$0		$0	$0	$0	$0	$0			$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0			0.000	0	0.000	0.0	0.0	0.0	-	-	-	-	-	-	$0	$0
93	C - Comm	C03b Sma	C03b Small C&I Retrofit	Crutchfield	13	1	$94,604	$31,313	$41,162	$13,527	$180,607	$21,085	$9,762	$0	$8,402	$25,804	$65,053	$245,660	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	**$245,660**	189.904	2,469	120.000	86.4	57.6	748.8	-	-	-	-	-	-	$78,400	$78,400
94	C - Comm	C03b Sma	C03b Small C&I Retrofit	0		0	$0	$0	$0	$0		$0	$0	$0	$0	$0			$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0			0.000	0	0.000	0.0	0.0	0.0	-	-	-	-	-	-	$0	$0
95	C - Comm	C03b Sma	C03b Small C&I Retrofit	0		0	$0	$0	$0	$0		$0	$0	$0	$0	$0			$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0			0.000	0	0.000	0.0	0.0	0.0	-	-	-	-	-	-	$0	$0
96	C - Comm	C03b Sma	C03b Small C&I Retrofit	0		0	$0	$0	$0	$0		$0	$0	$0	$0	$0			$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0			0.000	0	0.000	0.0	0.0	0.0	-	-	-	-	-	-	$0	$0
97	C - Comm	C03b Sma	C03b Small C&I Retrofit	0		0	$0	$0	$0	$0		$0	$0	$0	$0	$0			$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0			0.000	0	0.000	0.0	0.0	0.0	-	-	-	-	-	-	$0	$0
98	C - Comm	C03b Sma	C03b Small C&I Retrofit	0		0	$0	$0	$0	$0		$0	$0	$0	$0	$0			$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0			0.000	0	0.000	0.0	0.0	0.0	-	-	-	-	-	-	$0	$0
99	C - Comm	C03b Sma	C03b Small C&I Retrofit	0		0	$0	$0	$0	$0		$0	$0	$0	$0	$0			$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0			0.000	0	0.000	0.0	0.0	0.0	-	-	-	-	-	-	$0	$0
100	C - Comm	C03b Sma	C03b Small C&I Retrofit	0		0	$0	$0	$0	$0		$0	$0	$0	$0	$0			$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0			0.000	0	0.000	0.0	0.0	0.0	-	-	-	-	-	-	$0	$0
101	C - Comm	C03b Sma	C03b Small C&I Retrofit	0		0	$0	$0	$0	$0		$0	$0	$0	$0	$0			$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0			0.000	0	0.000	0.0	0.0	0.0	-	-	-	-	-	-	$0	$0
102	-	-	-	0		0	$0	$0	$0	$0		$0	$0	$0	$0	$0			$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0			0.000	0	0.000	0.0	0.0	0.0	-	-	-	-	-	-	$0	$0
103	-	-	-	0		0	$0	$0	$0	$0		$0	$0	$0	$0	$0			$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0			0.000	0	0.000	0.0	0.0	0.0	-	-	-	-	-	-	$0	$0
104	-	-	-	0		0	$0	$0	$0	$0		$0	$0	$0	$0	$0			$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0			0.000	0	0.000	0.0	0.0	0.0	-	-	-	-	-	-	$0	$0
105	-	-	-	0		0	$0	$0	$0	$0		$0	$0	$0	$0	$0			$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0			0.000	0	0.000	0.0	0.0	0.0	-	-	-	-	-	-	$0	$0
106	-	-	-	0		0	$0	$0	$0	$0		$0	$0	$0	$0	$0			$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0			0.000	0	0.000	0.0	0.0	0.0	-	-	-	-	-	-	$0	$0
107	-	-	-	0		0	$0	$0	$0	$0		$0	$0	$0	$0	$0			$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0			0.000	0	0.000	0.0	0.0	0.0	-	-	-	-	-	-	$0	$0
108	-	-	-	0		0	$0	$0	$0	$0		$0	$0	$0	$0	$0			$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0			0.000	0	0.000	0.0	0.0	0.0	-	-	-	-	-	-	$0	$0
109	-	-	-	0		0	$0	$0	$0	$0		$0	$0	$0	$0	$0			$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0			0.000	0	0.000	0.0	0.0	0.0	-	-	-	-	-	-	$0	$0
110	-	-	-	0		0	$0	$0	$0	$0		$0	$0	$0	$0	$0			$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0			0.000	0	0.000	0.0	0.0	0.0	-	-	-	-	-	-	$0	$0
111	-	-	-	0		0	$0	$0	$0	$0		$0	$0	$0	$0	$0			$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0			0.000	0	0.000	0.0	0.0	0.0	-	-	-	-	-	-	$0	$0
112	-	-	-	0		0	$0	$0	$0	$0		$0	$0	$0	$0	$0			$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0			0.000	0	0.000	0.0	0.0	0.0	-	-	-	-	-	-	$0	$0
113	-	-	-	0		0	$0	$0	$0	$0		$0	$0	$0	$0	$0			$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0			0.000	0	0.000	0.0	0.0	0.0	-	-	-	-	-	-	$0	$0
114	-	-	-	0		0	$0	$0	$0	$0		$0	$0	$0	$0	$0			$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0			0.000	0	0.000	0.0	0.0	0.0	-	-	-	-	-	-	$0	$0
115	-	-	-	0		0	$0	$0	$0	$0		$0	$0	$0	$0	$0			$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0			0.000	0	0.000	0.0	0.0	0.0	-	-	-	-	-	-	$0	$0
116	-	-	-	0		0	$0	$0	$0	$0		$0	$0	$0	$0	$0			$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0			0.000	0	0.000	0.0	0.0	0.0	-	-	-	-	-	-	$0	$0
117	-	-	-	0		0	$0	$0	$0	$0		$0	$0	$0	$0	$0			$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0			0.000	0	0.000	0.0	0.0	0.0	-	-	-	-	-	-	$0	$0
118	-	-	-	0		0	$0	$0	$0	$0		$0	$0	$0	$0	$0			$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0			0.000	0	0.000	0.0	0.0	0.0	-	-	-	-	-	-	$0	$0
119	-	-	-	0		0	$0	$0	$0	$0		$0	$0	$0	$0	$0			$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0			0.000	0	0.000	0.0	0.0	0.0	-	-	-	-	-	-	$0	$0
120	-	-	-	0		0	$0	$0	$0	$0		$0	$0	$0	$0	$0			$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0			0.000	0	0.000	0.0	0.0	0.0	-	-	-	-	-	-	$0	$0
121	-	-	-	0		0	$0	$0	$0	$0		$0	$0	$0	$0	$0			$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0			0.000	0	0.000	0.0	0.0	0.0	-	-	-	-	-	-	$0	$0
122	-	-	-	0		0	$0	$0	$0	$0		$0	$0	$0	$0	$0			$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0			0.000	0	0.000	0.0	0.0	0.0	-	-	-	-	-	-	$0	$0
123	-	-	-	0		0	$0	$0	$0	$0		$0	$0	$0	$0	$0			$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0			0.000	0	0.000	0.0	0.0	0.0	-	-	-	-	-	-	$0	$0
124	-	-	-	0		0	$0	$0	$0	$0		$0	$0	$0	$0	$0			$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0			0.000	0	0.000	0.0	0.0	0.0	-	-	-	-	-	-	$0	$0
125	-	-	-	0		0	$0	$0	$0	$0		$0	$0	$0	$0	$0			$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0			0.000	0	0.000	0.0	0.0	0.0	-	-	-	-	-	-	$0	$0
126	-	-	-	0		0	$0	$0	$0	$0		$0	$0	$0	$0	$0			$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0			0.000	0	0.000	0.0	0.0	0.0	-	-	-	-	-	-	$0	$0
127	-	-	-	0		0	$0	$0	$0	$0		$0	$0	$0	$0	$0			$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0			0.000	0	0.000	0.0	0.0	0.0	-	-	-	-	-	-	$0	$0
128	-	-	-	0		0	$0	$0	$0	$0		$0	$0	$0	$0	$0			$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0			0.000	0	0.000	0.0	0.0	0.0	-	-	-	-	-	-	$0	$0
129	-	-	-	0		0	$0	$0	$0	$0		$0	$0	$0	$0	$0			$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0			0.000	0	0.000	0.0	0.0	0.0	-	-	-	-	-	-	$0	$0
130	-	-	-	0		0	$0	$0	$0	$0		$0	$0	$0	$0	$0			$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0			0.000	0	0.000	0.0	0.0	0.0	-	-	-	-	-	-	$0	$0
131	-	-	-	0		0	$0	$0	$0	$0		$0	$0	$0	$0	$0			$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0			0.000	0	0.000	0.0	0.0	0.0	-	-	-	-	-	-	$0	$0
132	-	-	-	0		0	$0	$0	$0	$0		$0	$0	$0	$0	$0			$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0			0.000	0	0.000	0.0	0.0	0.0	-	-	-	-	-	-	$0	$0
133	-	-	-	0		0	$0	$0	$0	$0		$0	$0	$0	$0	$0			$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0			0.000	0	0.000	0.0	0.0	0.0	-	-	-	-	-	-	$0	$0
134	-	-	-	0		0	$0	$0	$0	$0		$0	$0	$0	$0	$0			$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0			0.000	0	0.000	0.0	0.0	0.0	-	-	-	-	-	-	$0	$0
135	-	-	-	0		0	$0	$0	$0	$0		$0	$0	$0	$0	$0			$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0			0.000	0	0.000	0.0	0.0	0.0	-	-	-	-	-	-	$0	$0
136	-	-	-	0		0	$0	$0	$0	$0		$0	$0	$0	$0	$0			$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0			0.000	0	0.000	0.0	0.0	0.0	-	-	-	-	-	-	$0	$0
137	-	-	-	0		0	$0	$0	$0	$0		$0	$0	$0	$0	$0			$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0			0.000	0	0.000	0.0	0.0	0.0	-	-	-	-	-	-	$0	$0
138	-	-	-	0		0	$0	$0	$0	$0		$0	$0	$0	$0	$0			$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0			0.000	0	0.000	0.0	0.0	0.0	-	-	-	-	-	-	$0	$0
139	-	-	-	0		0	$0	$0	$0	$0		$0	$0	$0	$0	$0			$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0			0.000	0	0.000	0.0	0.0	0.0	-	-	-	-	-	-	$0	$0
140	-	-	-	0		0	$0	$0	$0	$0		$0	$0	$0	$0	$0			$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0			0.000	0	0.000	0.0	0.0	0.0	-	-	-	-	-	-	$0	$0
141	-	-	-	0		0	$0	$0	$0	$0		$0	$0	$0	$0	$0			$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0			0.000	0	0.000	0.0	0.0	0.0	-	-	-	-	-	-	$0	$0
142	-	-	-	0		0	$0	$0	$0	$0		$0	$0	$0	$0	$0			$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0			0.000	0	0.000	0.0	0.0	0.0	-	-	-	-	-	-	$0	$0
143	-	-	-	0		0	$0	$0	$0	$0		$0	$0	$0	$0	$0			$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0			0.000	0	0.000	0.0	0.0	0.0	-	-	-	-	-	-	$0	$0
144	-	-	-	0		0	$0	$0	$0	$0		$0	$0	$0	$0	$0			$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0			0.000	0	0.000	0.0	0.0	0.0	-	-	-	-	-	-	$0	$0
145	-	-	-	0		0	$0	$0	$0	$0		$0	$0	$0	$0	$0			$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0			0.000	0	0.000	0.0	0.0	0.0	-	-	-	-	-	-	$0	$0
146	-	-	-	0		0	$0	$0	$0	$0		$0	$0	$0	$0	$0			$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0			0.000	0	0.000	0.0	0.0	0.0	-	-	-	-	-	-	$0	$0
147	-	-	-	0		0	$0	$0	$0	$0		$0	$0	$0	$0	$0			$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0			0.000	0	0.000	0.0	0.0	0.0	-	-	-	-	-	-	$0	$0
148	-	-	-	0		0	$0	$0	$0	$0		$0	$0	$0	$0	$0			$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0			0.000	0	0.000	0.0	0.0	0.0	-	-	-	-	-	-	$0	$0
149	-	-	-	0		0	$0	$0	$0	$0		$0	$0	$0	$0	$0			$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0			0.000	0	0.000	0.0	0.0	0.0	-	-	-	-	-	-	$0	$0
150	-	-	-	0		0	$0	$0	$0	$0		$0	$0	$0	$0	$0			$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0			0.000	0	0.000	0.0	0.0	0.0	-	-	-	-	-	-	$0	$0
151	-	-	-	0		0	$0	$0	$0	$0		$0	$0	$0	$0	$0			$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0			0.000	0	0.000	0.0	0.0	0.0	-	-	-	-	-	-	$0	$0
152	-	-	-	0		0	$0	$0	$0	$0		$0	$0	$0	$0	$0			$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0			0.000	0	0.000	0.0	0.0	0.0	-	-	-	-	-	-	$0	$0
153	-	-	-	0		0	$0	$0	$0	$0		$0	$0	$0	$0	$0			$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0			0.000	0	0.000	0.0	0.0	0.0	-	-	-	-	-	-	$0	$0
154	-	-	-	0		0	$0	$0	$0	$0		$0	$0	$0	$0	$0			$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0			0.000	0	0.000	0.0	0.0	0.0	-	-	-	-	-	-	$0	$0
155	-	-	-	0		0	$0	$0	$0	$0		$0	$0	$0	$0	$0			$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0			0.000	0	0.000	0.0	0.0	0.0	-	-	-	-	-	-	$0	$0
156	-	-	-	0		0	$0	$0	$0	$0		$0	$0	$0	$0	$0			$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0			0.000	0	0.000	0.0	0.0	0.0	-	-	-	-	-	-	$0	$0
157	-	-	-	0		0	$0	$0	$0	$0		$0	$0	$0	$0	$0			$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0			0.000	0	0.000	0.0	0.0	0.0	-	-	-	-	-	-	$0	$0
158	-	-	-	0		0	$0	$0	$0	$0		$0	$0	$0	$0	$0			$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0			0.000	0	0.000	0.0	0.0	0.0	-	-	-	-	-	-	$0	$0
159	-	-	-	0		0	$0	$0	$0	$0		$0	$0	$0	$0	$0			$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0			0.000	0	0.000	0.0	0.0	0.0	-	-	-	-	-	-	$0	$0
160	-	-	-	0		0	$0	$0	$0	$0		$0	$0	$0	$0	$0			$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0			0.000	0	0.000	0.0	0.0	0.0	-	-	-	-	-	-	$0	$0
161	-	-	-	0		0	$0	$0	$0	$0		$0	$0	$0	$0	$0			$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0			0.000	0	0.000	0.0	0.0	0.0	-	-	-	-	-	-	$0	$0
162	-	-	-	0		0	$0	$0	$0	$0		$0	$0	$0	$0	$0			$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0			0.000	0	0.000	0.0	0.0	0.0	-	-	-	-	-	-	$0	$0
163	-	-	-	0		0	$0	$0	$0	$0		$0	$0	$0	$0	$0			$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0			0.000	0	0.000	0.0	0.0	0.0	-	-	-	-	-	-	$0	$0
164	-	-	-	0		0	$0	$0	$0	$0		$0	$0	$0	$0	$0			$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0			0.000	0	0.000	0.0	0.0	0.0	-	-	-	-	-	-	$0	$0
165	-	-	-	0		0	$0	$0	$0	$0		$0	$0	$0	$0	$0			$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0			0.000	0	0.000	0.0	0.0	0.0	-	-	-	-	-	-	$0	$0
166	-	-	-	0		0	$0	$0	$0	$0		$0	$0	$0	$0	$0			$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0			0.000	0	0.000	0.0	0.0	0.0	-	-	-	-	-	-	$0	$0
167	-	-	-	0		0	$0	$0	$0	$0		$0	$0	$0	$0	$0			$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0			0.000	0	0.000	0.0	0.0	0.0	-	-	-	-	-	-	$0	$0
168	-	-	-	0		0	$0	$0	$0	$0		$0	$0	$0	$0	$0			$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0			0.000	0	0.000	0.0	0.0	0.0	-	-	-	-	-	-	$0	$0
169	-	-	-	0		0	$0	$0	$0	$0		$0	$0	$0	$0	$0			$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0			0.000	0	0.000	0.0	0.0	0.0	-	-	-	-	-	-	$0	$0
170	-	-	-	0		0	$0	$0	$0	$0		$0	$0	$0	$0	$0			$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0			0.000	0	0.000	0.0	0.0	0.0	-	-	-	-	-	-	$0	$0
171	-	-	-	0		0	$0	$0	$0	$0		$0	$0	$0	$0	$0			$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0			0.000	0	0.000	0.0	0.0	0.0	-	-	-	-	-	-	$0	$0
172	-	-	-	0		0	$0	$0	$0	$0		$0	$0	$0	$0	$0			$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0			0.000	0	0.000	0.0	0.0	0.0	-	-	-	-	-	-	$0	$0
173	-	-	-	--		0	$0	$0	$0	$0		$0	$0	$0	$0	$0			$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0			0.000	0	0.000	0.0	0.0	0.0	-	-	-	-	-	-	$0	$0
174	-	-	-	--		0	$0	$0	$0	$0		$0	$0	$0	$0	$0			$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0			0.000	0	0.000	0.0	0.0	0.0	-	-	-	-	-	-	$0	$0
175	-	-	-	--		0	$0	$0	$0	$0		$0	$0	$0	$0	$0			$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0			0.000	0	0.000	0.0	0.0	0.0	-	-	-	-	-	-	$0	$0
176	-	-	-	--		0	$0	$0	$0	$0		$0	$0	$0	$0	$0			$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0			0.000	0	0.000	0.0	0.0	0.0	-	-	-	-	-	-	$0	$0
177	-	-	-	--		0	$0	$0	$0	$0		$0	$0	$0	$0	$0			$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0			0.000	0	0.000	0.0	0.0	0.0	-	-	-	-	-	-	$0	$0
178	-	-	-	--		0	$0	$0	$0	$0		$0	$0	$0	$0	$0			$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0			0.000	0	0.000	0.0	0.0	0.0	-	-	-	-	-	-	$0	$0
179	-	-	-	--		0	$0	$0	$0	$0		$0	$0	$0	$0	$0			$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0			0.000	0	0.000	0.0	0.0	0.0	-	-	-	-	-	-	$0	$0
180	-	-	-	--		0	$0	$0	$0	$0		$0	$0	$0	$0	$0			$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0			0.000	0	0.000	0.0	0.0	0.0	-	-	-	-	-	-	$0	$0
181	-	-	-	--		0	$0	$0	$0	$0		$0	$0	$0	$0	$0			$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0			0.000	0	0.000	0.0	0.0	0.0	-	-	-	-	-	-	$0	$0
182	-	-	-	--		0	$0	$0	$0	$0		$0	$0	$0	$0	$0			$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0			0.000	0	0.000	0.0	0.0	0.0	-	-	-	-	-	-	$0	$0
183	-	-	-	--		0	$0	$0	$0	$0		$0	$0	$0	$0	$0			$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0			0.000	0	0.000	0.0	0.0	0.0	-	-	-	-	-	-	$0	$0
184	-	-	-	--		0	$0	$0	$0	$0		$0	$0	$0	$0	$0			$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0			0.000	0	0.000	0.0	0.0	0.0	-	-	-	-	-	-	$0	$0
185	-	-	-	--		0	$0	$0	$0	$0		$0	$0	$0	$0	$0			$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0			0.000	0	0.000	0.0	0.0	0.0	-	-	-	-	-	-	$0	$0
186	-	-	-	--		0	$0	$0	$0	$0		$0	$0	$0	$0	$0			$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0			0.000	0	0.000	0.0	0.0	0.0	-	-	-	-	-	-	$0	$0
187	-	-	-	--		0	$0	$0	$0	$0		$0	$0	$0	$0	$0			$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0			0.000	0	0.000	0.0	0.0	0.0	-	-	-	-	-	-	$0	$0
188	-	-	-	--		0	$0	$0	$0	$0		$0	$0	$0	$0	$0			$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0			0.000	0	0.000	0.0	0.0	0.0	-	-	-	-	-	-	$0	$0
189	-	-	-	--		0	$0	$0	$0	$0		$0	$0	$0	$0	$0			$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0			0.000	0	0.000	0.0	0.0	0.0	-	-	-	-	-	-	$0	$0
190	-	-	-	--		0	$0	$0	$0	$0		$0	$0	$0	$0	$0			$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0			0.000	0	0.000	0.0	0.0	0.0	-	-	-	-	-	-	$0	$0
191	-	-	-	--		0	$0	$0	$0	$0		$0	$0	$0	$0	$0			$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0			0.000	0	0.000	0.0	0.0	0.0	-	-	-	-	-	-	$0	$0
192	-	-	-	--		0	$0	$0	$0	$0		$0	$0	$0	$0	$0			$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0			0.000	0	0.000	0.0	0.0	0.0	-	-	-	-	-	-	$0	$0
193	-	-	-	--		0	$0	$0	$0	$0		$0	$0	$0	$0	$0			$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0			0.000	0	0.000	0.0	0.0	0.0	-	-	-	-	-	-	$0	$0
194	-	-	-	--		0	$0	$0	$0	$0		$0	$0	$0	$0	$0			$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0			0.000	0	0.000	0.0	0.0	0.0	-	-	-	-	-	-	$0	$0
195	-	-	-	--		0	$0	$0	$0	$0		$0	$0	$0	$0	$0			$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0			0.000	0	0.000	0.0	0.0	0.0	-	-	-	-	-	-	$0	$0
196	-	-	-	--		0	$0	$0	$0	$0		$0	$0	$0	$0	$0			$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0			0.000	0	0.000	0.0	0.0	0.0	-	-	-	-	-	-	$0	$0
197	-	-	-	--		0	$0	$0	$0	$0		$0	$0	$0	$0	$0			$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0			0.000	0	0.000	0.0	0.0	0.0	-	-	-	-	-	-	$0	$0
198	-	-	-	--		0	$0	$0	$0	$0		$0	$0	$0	$0	$0			$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0			0.000	0	0.000	0.0	0.0	0.0	-	-	-	-	-	-	$0	$0
199	-	-	-	--		0	$0	$0	$0	$0		$0	$0	$0	$0	$0			$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0			0.000	0	0.000	0.0	0.0	0.0	-	-	-	-	-	-	$0	$0
200	-	-	-	--		0	$0	$0	$0	$0		$0	$0	$0	$0	$0			$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0			0.000	0	0.000	0.0	0.0	0.0	-	-	-	-	-	-	$0	$0

1 Year 2010

Inputs | Electric Energy (total) | Capacity (total) | Non-Electric Benefits (NEB's total) | Total

Measure #	Sector	BCR Activity	Program	Measure	End Use	Measure Life	Quantity
1	A - Reside	A02a Residential Lost Opportunity	A02a ENERGY STAR Homes	0	General Residential		
2	A - Reside	A02a Residential Lost Opportunity	A02a ENERGY STAR Homes	0	General Residential		
3	A - Reside	A02a Residential Lost Opportunity	A02a ENERGY STAR Homes	0	General Residential		
4	A - Reside	A02a Residential Lost Opportunity	A02a ENERGY STAR Homes	0	General Residential		
5	A - Reside	A02a Residential Lost Opportunity	A02a ENERGY STAR Homes	0	General Residential		
6	A - Reside	A02a Residential Lost Opportunity	A02a ENERGY STAR Homes	0	General Residential		
7	A - Reside	A02a Residential Lost Opportunity	A02a ENERGY STAR Homes	0	General Residential		
8	A - Reside	A02a Residential Lost Opportunity	A02a ENERGY STAR Homes	0	General Residential		
9	A - Reside	A02a Residential Lost Opportunity	A02a ENERGY STAR Homes	0	General Residential		
10	A - Reside	A02a Residential Lost Opportunity	A02a ENERGY STAR Homes	--	General Residential		
11	A - Reside	A02a Residential Lost Opportunity	A02a ENERGY STAR Homes	--	General Residential		
12	A - Reside	A02a Residential Lost Opportunity	A02a ENERGY STAR Homes	--	General Residential		
13	A - Reside	A02a Residential Lost Opportunity	A02a ENERGY STAR Homes	--	General Residential		
14	A - Reside	A02a Residential Lost Opportunity	A02a ENERGY STAR Homes	--	General Residential		
15	A - Reside	A02a Residential Lost Opportunity	A02a ENERGY STAR Homes	--	General Residential		
16	A - Reside	A03a Residential Retrofit 1-4	A03a Home Energy Solutions	0	General Residential		
17	A - Reside	A03a Residential Retrofit 1-4	A03a Home Energy Solutions	0	General Residential		
18	A - Reside	A03a Residential Retrofit 1-4	A03a Home Energy Solutions	0	General Residential		
19	A - Reside	A03a Residential Retrofit 1-4	A03a Home Energy Solutions	0	General Residential		
20	A - Reside	A03a Residential Retrofit 1-4	A03a Home Energy Solutions	0	General Residential		
21	A - Reside	A03a Residential Retrofit 1-4	A03a Home Energy Solutions	0	General Residential		
22	A - Reside	A03a Residential Retrofit 1-4	A03a Home Energy Solutions	0	General Residential		
23	A - Reside	A03a Residential Retrofit 1-4	A03a Home Energy Solutions	0	General Residential		
24	A - Reside	A03a Residential Retrofit 1-4	A03a Home Energy Solutions	0	General Residential		
25	A - Reside	A03a Residential Retrofit 1-4	A03a Home Energy Solutions	0	General Residential		
26	A - Reside	A03a Residential Retrofit 1-4	A03a Home Energy Solutions	0	General Residential		
27	A - Reside	A03a Residential Retrofit 1-4	A03a Home Energy Solutions	0	General Residential		
28	A - Reside	A03a Residential Retrofit 1-4	A03a Home Energy Solutions	0	General Residential		
29	A - Reside	A03a Residential Retrofit 1-4	A03a Home Energy Solutions	0	General Residential		
30	A - Reside	A03a Residential Retrofit 1-4	A03a Home Energy Solutions	0	General Residential		
31	A - Reside	A03a Residential Retrofit 1-4	A03a Home Energy Solutions	0	General Residential		
32	A - Reside	A03a Residential Retrofit 1-4	A03a Home Energy Solutions	0	General Residential		
33	A - Reside	A03a Residential Retrofit 1-4	A03a Home Energy Solutions	0	General Residential		
34	A - Reside	A04a Residential Lighting	A04a ENERGY STAR Lighting	0	ES Homes heating		
35	A - Reside	A04a Residential Lighting	A04a ENERGY STAR Lighting	0	ES Homes heating		
36	A - Reside	A04a Residential Lighting	A04a ENERGY STAR Lighting	0	ES Homes heating		
37	A - Reside	A04a Residential Lighting	A04a ENERGY STAR Lighting	0	ES Homes heating		
38	A - Reside	A04a Residential Lighting	A04a ENERGY STAR Lighting	0	ES Homes heating		
39	A - Reside	A04a Residential Lighting	A04a ENERGY STAR Lighting	0	ES Homes heating		
40	A - Reside	A04a Residential Lighting	A04a ENERGY STAR Lighting	0	ES Homes heating		
41	A - Reside	A04a Residential Lighting	A04a ENERGY STAR Lighting	0	ES Homes heating		
42	A - Reside	A04a Residential Lighting	A04a ENERGY STAR Lighting	0	ES Homes heating		
43	A - Reside	A04b Residential Appliances	A04b ENERGY STAR Appl	0	ES Homes heating		
44	A - Reside	A04b Residential Appliances	A04b ENERGY STAR Appl	0	ES Homes heating		
45	A - Reside	A04b Residential Appliances	A04b ENERGY STAR Appl	0	ES Homes heating		
46	A - Reside	A04b Residential Appliances	A04b ENERGY STAR Appl	0	ES Homes heating		
47	A - Reside	A04b Residential Appliances	A04b ENERGY STAR Appl	0	ES Homes heating		
48	A - Reside	A04b Residential Appliances	A04b ENERGY STAR Appl	0	ES Homes heating		
49	A - Reside	A04b Residential Appliances	A04b ENERGY STAR Appl	0	ES Homes heating		
50	A - Reside	A04b Residential Appliances	A04b ENERGY STAR Appl	0	ES Homes heating		
51	A - Reside	A04b Residential Appliances	A04b ENERGY STAR Appl	0	ES Homes heating		
52	B - Low In	B02a Low Income Lost Opportunity	B02a Low Income Lost Opportun	0	ES Homes heating		
53	B - Low In	B02a Low Income Lost Opportunity	B02a Low Income Lost Opportun	0	ES Homes heating		
54	B - Low In	B02a Low Income Lost Opportunity	B02a Low Income Lost Opportun	0	ES Homes heating		
55	B - Low In	B02a Low Income Lost Opportunity	B02a Low Income Lost Opportun	0	ES Homes heating		
56	B - Low In	B02a Low Income Lost Opportunity	B02a Low Income Lost Opportun	0	ES Homes heating		
57	B - Low In	B02a Low Income Lost Opportunity	B02a Low Income Lost Opportun	0	ES Homes heating		
58	B - Low In	B02a Low Income Lost Opportunity	B02a Low Income Lost Opportun	0	ES Homes heating		
59	B - Low In	B02a Low Income Lost Opportunity	B02a Low Income Lost Opportun	0	ES Homes heating		
60	B - Low In	B02a Low Income Lost Opportunity	B02a Low Income Lost Opportun	0	ES Homes heating		
61	B - Low In	B03a Low-Income Retrofit 1-4	B03a Home Energy Assistance	0	ES Homes heating		
62	B - Low In	B03a Low-Income Retrofit 1-4	B03a Home Energy Assistance	0	ES Homes heating		
63	B - Low In	B03a Low-Income Retrofit 1-4	B03a Home Energy Assistance	0	ES Homes heating		
64	B - Low In	B03a Low-Income Retrofit 1-4	B03a Home Energy Assistance	0	ES Homes heating		
65	B - Low In	B03a Low-Income Retrofit 1-4	B03a Home Energy Assistance	0	ES Homes heating		
66	B - Low In	B03a Low-Income Retrofit 1-4	B03a Home Energy Assistance	0	ES Homes heating		
67	B - Low In	B03a Low-Income Retrofit 1-4	B03a Home Energy Assistance	0	ES Homes heating		
68	B - Low In	B03a Low-Income Retrofit 1-4	B03a Home Energy Assistance	0	ES Homes heating		
69	B - Low In	B03a Low-Income Retrofit 1-4	B03a Home Energy Assistance	0	ES Homes heating		
70	B - Low In	B03a Low-Income Retrofit 1-4	B03a Home Energy Assistance	0	ES Homes heating		
71	B - Low In	B03a Low-Income Retrofit 1-4	B03a Home Energy Assistance	0	ES Homes heating		
72	B - Low In	B03a Low-Income Retrofit 1-4	B03a Home Energy Assistance	0	ES Homes heating		
73	B - Low In	B03a Low-Income Retrofit 1-4	B03a Home Energy Assistance	0	ES Homes heating		
74	B - Low In	B03a Low-Income Retrofit 1-4	B03a Home Energy Assistance	0	ES Homes heating		
75	C - Comm	C02a C&I Lost Opportunity	C02a C&I New Construction	0	ES Homes heating		
76	C - Comm	C02a C&I Lost Opportunity	C02a C&I New Construction	0	ES Homes heating		
77	C - Comm	C02a C&I Lost Opportunity	C02a C&I New Construction	0	ES Homes heating		
78	C - Comm	C02a C&I Lost Opportunity	C02a C&I New Construction	0	ES Homes heating		
79	C - Comm	C02a C&I Lost Opportunity	C02a C&I New Construction	0	ES Homes heating		
80	C - Comm	C02a C&I Lost Opportunity	C02a C&I New Construction	0	ES Homes heating		
81	C - Comm	C02a C&I Lost Opportunity	C02a C&I New Construction	0	ES Homes heating		
82	C - Comm	C02a C&I Lost Opportunity	C02a C&I New Construction	0	ES Homes heating		
83	C - Comm	C02a C&I Lost Opportunity	C02a C&I New Construction	0	ES Homes heating		
84	C - Comm	C03a Large C&I Retrofit	C03a Large C&I Retrofit	0	ES Homes heating		
85	C - Comm	C03a Large C&I Retrofit	C03a Large C&I Retrofit	0	ES Homes heating		
86	C - Comm	C03a Large C&I Retrofit	C03a Large C&I Retrofit	0	ES Homes heating		
87	C - Comm	C03a Large C&I Retrofit	C03a Large C&I Retrofit	0	ES Homes heating		
88	C - Comm	C03a Large C&I Retrofit	C03a Large C&I Retrofit	0	ES Homes heating		
89	C - Comm	C03a Large C&I Retrofit	C03a Large C&I Retrofit	0	ES Homes heating		
90	C - Comm	C03a Large C&I Retrofit	C03a Large C&I Retrofit	0	ES Homes heating		
91	C - Comm	C03a Large C&I Retrofit	C03a Large C&I Retrofit	0	ES Homes heating		
92	C - Comm	C03a Large C&I Retrofit	C03a Large C&I Retrofit	0	ES Homes heating		
93	C - Comm	C03b Small C&I Retrofit	C03b Small C&I Retrofit	Crutchfield	ES Homes heating	13	1
94	C - Comm	C03b Small C&I Retrofit	C03b Small C&I Retrofit	0	ES Homes heating		
95	C - Comm	C03b Small C&I Retrofit	C03b Small C&I Retrofit	0	ES Homes heating		
96	C - Comm	C03b Small C&I Retrofit	C03b Small C&I Retrofit	0	ES Homes heating		
97	C - Comm	C03b Small C&I Retrofit	C03b Small C&I Retrofit	0	ES Homes heating		
98	C - Comm	C03b Small C&I Retrofit	C03b Small C&I Retrofit	0	ES Homes heating		
99	C - Comm	C03b Small C&I Retrofit	C03b Small C&I Retrofit	0	ES Homes heating		
100	C - Comm	C03b Small C&I Retrofit	C03b Small C&I Retrofit	0	ES Homes heating		
101	C - Comm	C03b Small C&I Retrofit	C03b Small C&I Retrofit	0	ES Homes heating		
102	-	-	-	0	ES Homes heating		
103	-	-	-	0	ES Homes heating		
104	-	-	-	0	ES Homes heating		
105	-	-	-	0	ES Homes heating		
106	-	-	-	0	ES Homes heating		
107	-	-	-	0	ES Homes heating		
108	-	-	-	0	ES Homes heating		
109	-	-	-	0	ES Homes heating		
110	-	-	-	0	ES Homes heating		
111	-	-	-	0	ES Homes heating		
112	-	-	-	0	ES Homes heating		
113	-	-	-	0	ES Homes heating		
114	-	-	-	0	ES Homes heating		
115	-	-	-	0	ES Homes heating		
116	-	-	-	0	ES Homes heating		
117	-	-	-	0	ES Homes heating		
118	-	-	-	0	ES Homes heating		
119	-	-	-	0	ES Homes heating		
120	-	-	-	0	ES Homes heating		
121	-	-	-	0	ES Homes heating		
122	-	-	-	0	ES Homes heating		
123	-	-	-	0	ES Homes heating		
124	-	-	-	0	ES Homes heating		
125	-	-	-	0	ES Homes heating		
126	-	-	-	0	ES Homes heating		
127	-	-	-	0	ES Homes heating		
128	-	-	-	0	ES Homes heating		
129	-	-	-	0	ES Homes heating		
130	-	-	-	0	ES Homes heating		
131	-	-	-	0	ES Homes heating		
132	-	-	-	0	ES Homes heating		
133	-	-	-	0	ES Homes heating		
134	-	-	-	0	ES Homes heating		
135	-	-	-	0	ES Homes heating		
136	-	-	-	0	ES Homes heating		
137	-	-	-	0	ES Homes heating		
138	-	-	-	0	ES Homes heating		
139	-	-	-	0	ES Homes heating		
140	-	-	-	0	ES Homes heating		
141	-	-	-	0	ES Homes heating		
142	-	-	-	0	ES Homes heating		
143	-	-	-	0	ES Homes heating		
144	-	-	-	0	ES Homes heating		
145	-	-	-	0	ES Homes heating		
146	-	-	-	0	ES Homes heating		
147	-	-	-	0	ES Homes heating		
148	-	-	-	0	ES Homes heating		
149	-	-	-	0	ES Homes heating		
150	-	-	-	0	ES Homes heating		
151	-	-	-	0	ES Homes heating		
152	-	-	-	0	ES Homes heating		
153	-	-	-	0	ES Homes heating		
154	-	-	-	0	ES Homes heating		
155	-	-	-	0	ES Homes heating		
156	-	-	-	0	ES Homes heating		
157	-	-	-	0	ES Homes heating		
158	-	-	-	0	ES Homes heating		
159	-	-	-	0	ES Homes heating		
160	-	-	-	0	ES Homes heating		
161	-	-	-	0	ES Homes heating		
162	-	-	-	0	ES Homes heating		
163	-	-	-	0	ES Homes heating		
164	-	-	-	0	ES Homes heating		
165	-	-	-	0	ES Homes heating		
166	-	-	-	0	ES Homes heating		
167	-	-	-	0	ES Homes heating		
168	-	-	-	0	ES Homes heating		
169	-	-	-	0	ES Homes heating		
170	-	-	-	0	ES Homes heating		
171	-	-	-	0	ES Homes heating		
172	-	-	-	0	ES Homes heating		
173	-	-	-	--	ES Homes heating		
174	-	-	-	--	ES Homes heating		
175	-	-	-	--	ES Homes heating		
176	-	-	-	--	ES Homes heating		
177	-	-	-	--	ES Homes heating		
178	-	-	-	--	ES Homes heating		
179	-	-	-	--	ES Homes heating		
180	-	-	-	--	ES Homes heating		
181	-	-	-	--	ES Homes heating		
182	-	-	-	--	ES Homes heating		
183	-	-	-	--	ES Homes heating		
184	-	-	-	--	ES Homes heating		
185	-	-	-	--	ES Homes heating		
186	-	-	-	--	ES Homes heating		
187	-	-	-	--	ES Homes heating		
188	-	-	-	--	ES Homes heating		
189	-	-	-	--	ES Homes heating		
190	-	-	-	--	ES Homes heating		
191	-	-	-	--	ES Homes heating		
192	-	-	-	--	ES Homes heating		
193	-	-	-	--	ES Homes heating		
194	-	-	-	--	ES Homes heating		
195	-	-	-	--	ES Homes heating		
196	-	-	-	--	ES Homes heating		
197	-	-	-	--	ES Homes heating		
198	-	-	-	--	ES Homes heating		
199	-	-	-	--	ES Homes heating		
200	-	-	-	--	ES Homes heating		
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	

Measure #	Winter Peak Energy	Winter Off-Peak Energy	Summer Peak Energy	Summer Off-Peak Energy	Total Energy	Summer Generation	DRIPE	Winter Generation	Transmission	Distribution	Total Capacity	Total Electric Benefit
avoided cost column	4	6	8	10		12	52	14	16	18		
93	$94,604	$31,313	$41,162	$13,527	$180,607	$21,085	$9,762	$0	$8,402	$25,804	$65,053	$245,660

Measure #	Fuel Oil - Residential Distillate	Fuel Oil - Com #2 Oil	Fuel Oil - Com #4 Oil	Fuel Oil - Ind #6 Oil	Fuel Oil - Kerosene	NG - Res Hot Water	NG - Res Gas Old Bldg	NG - Res Gas New Bldg	NG - C&I Gas DHW	NG - C&I Gas Heat	NG - C&I Gas All	Propane	Kerosene	Wood	Res Water	C&I Water	C&I Sewer	Total Resource	Non-Resource	TOTAL NEB
avoided cost column	20	22	24	26	42	28	30	32	34	36	38	40	42	71	44	46	48		50	
93												$0	$0	$0	$0	$0	$0	$0	$0	$0

Measure #	Total Avoided Cost (TR Benefit)	Annual Net MWh Savings	Lifetime MWh Savings	Max Net kW	Winter kW	Summer/ Annual kw	Lifetime kW	Annual Oil MMBTU Savings	Annual Gas MMBTU Savings	Annual Propane MMBTU Savings	Annual Kerosene MMBTU Savings	Annual Wood MMBTU Savings	Annual Water Savings Gallons	Incentive	Incremental Cost
93	**$245,660**	189.904	2,469	120.000	86.4	57.6	748.8	-	-	-	-	-	-	$78,400	$78,400

Program	Sector	
A02a ENERGY STAR Homes	A - Residential	1
A03a Home Energy Solutions	B - Low Income	2
A04a ENERGY STAR Lighting	C - Comm & Indust	3
A04b ENERGY STAR Appl	Other	4
A05a EE Website	-	5
A05b Res / K-12 Education	-	6
A06a ISO-Related Expenses Res Non-LI		7
A07x Perf. Incentive Tax Liability		8
B02a Low Income Lost Opportunity		9
B03a Home Energy Assistance		10
B06a ISO-Related Expenses Res LI		11
B07x Perf. Incentive Tax Liability		12
C02a C&I New Construction		13
C03a Large C&I Retrofit		14
C03b Small C&I Retrofit		15
C05b Cust/Contr Education		16
C05d C&I EE Website		17
C06a ISO-Related Expenses C&I		18
C07x Perf. Incentive Tax Liability		19
-		
-		
-		
-		
-		
-		
-		
-		

	Avoided cost reference Fuel Type	Column
	Winter Peak Energy	4
	Winter Off-Peak Energy	6
	Summer Peak Energy	8
	Summer Off-Peak Energy	10
	Summer Generation	12
	Winter Generation	14
	Transmission	16
	Distribution	18
Oil	Fuel Oil - Residential Distillate	20
Oil	Fuel Oil - Com #2 Oil	22
Oil	Fuel Oil - Com #4 Oil	24
Oil	Fuel Oil - Ind #6 Oil	26
Oil	Fuel Oil - Kerosene	42
Gas	NG - Res Hot Water	28
Gas	NG - Res Gas Old Bldg	30
Gas	NG - Res Gas New Bldg	32
Gas	NG - C&I Gas DHW	34
Gas	NG - C&I Gas Heat	36
Gas	NG - C&I Gas All	38
Other	Propane	40
Water	Res Water	44
Water	C&I Water	46
Water	C&I Sewer	48
	Non-Resource Annual	50
	DRIPE	52
	Non-Resource	54
	Winter Peak Energy DRIPE	55
	Winter Off-Peak Energy DRIP	57
	Summer Peak Energy DRIPE	59
	Summer Off-Peak Energy DR	61
	Winter Peak Energy CO2 Cos	63

Winter Off-Peak Energy CO2 65
Summer Peak Energy CO2 C 67
Summer Off-Peak Energy CO 69

BCR Activity	End Use	Sector
A02a Residential Lost Opportunity	ALght	Residential
A02b Residential HVAC	BHVAC	Residential
A03a Residential Retrofit 1-4	CMoDr	Residential
A03b Residential Retrofit Multifamily	DRefr	Residential
A03c Residential Load Response	EHoWa	Residential
A04a Residential Lighting	FComA	Residential
A04b Residential Appliances	GProc	Residential
A04c Res EE Website	Other	Low Income
B02a Low Income Lost Opportunity	HEUBe	Low Income
B03a Low Income Retrofit 1-4		Low Income
B03b Low Income Retrofit Multifamily		Com/Ind
C02a C&I Lost Opportunity		Com/Ind
C03a Large C&I Retrofit		Com/Ind
C03b Small C&I Retrofit		
C04c C&I EE Website		
A05a Residential SHI		
B05a Low Income SHI		
C05a Comm/Ind SHI		
-		

Sector and BCR Ac
must match exactly
(spelling, spaces, h

Benefit Detail	Benefit Type	Detail
A01 Generation Summer	Dollar Capacity	$-kW
A02 Generation Winter	Dollar Capacity	$-kW
A03 Transmission	Dollar Capacity	$-T&D
A04 Marginal Distribution Cost	Dollar Capacity	$-T&D
A05 Winter Peak	Dollar Energy	$-kWh
A06 Winter Off Peak	Dollar Energy	$-kWh
A07 Summer Peak	Dollar Energy	$-kWh
A08 Summer Off Peak	Dollar Energy	$-kWh
A09 Resource	Dollar Non-Electric	$-NEB
A10 Non-Resource	Dollar Non-Electric	$-NEB
A11 DRIPE	Dollar DRIPE	$-DRIPE
B01 Peak kW	Savings kW	Annual kW
B02 kW Summer	Savings kW	Summer kW
B03 kW Winter	Savings kW	Winter kW
B04 kW Lifetime	Savings kW	Lifetime kW
B05 MWh Maximum Annual	Savings MWH	Annual MWh
B06 MWh Lifetime	Savings MWH	Lifetime MWh

Loadshape Name	**Winter Peak Energy**	**Winter Off-Peak Energy**	**Summer Peak Energy**
-	0%	0%	0%
Clotheswasher	27%	40%	13%
Continuous Running Equipment	26%	41%	13%
Cooling	27%	40%	13%
DHW ISMs	28%	26%	25%

Generic	27%	40%	13%
Heating	27%	40%	13%
Heating & Cooling (Shell)	27%	40%	13%
Lg C&I - Lighting	23%	36%	19%
Lg C&I - NC & Retro	23%	36%	19%
Lighting	27%	40%	13%
Lighting Low Income	27%	40%	13%
Refrigerator	27%	40%	13%
Res Hi Eff CAC	0%	0%	70%
Room A/C	27%	40%	13%
Sm C&I Retro	31%	36%	15%
Sm C&I Retro Lighting	31%	36%	15%
Water Heating	27%	40%	13%
Zeroshape	0%	0%	0%

Administrator

A MECo National Grid

A001 - Program Planning & Administra	A001 PPA
A002 - Marketing	A002 MA
A003 - Customer Incentive	A003 CI
A004 - Sales, Tech Assist & Training	A004 STAT
A005 - Evaluation & Market Research	A005 EV
A006 - Particpant Cost	A006 PC
A007 - Performance Incentive	A007 PI

A - No Fuel
B - NG - C&I Non-Heating
C - NG - C&I Heating
D - NG - C&I All
E - NG - Res Heating Retrofit
F - NG - Res Heating New
G - NG - Res Hot Water
H - NG - Res All
I - NG - Retail All
J - Fuel Oil - Residential Distillate
K - Fuel Oil - Com #2 Oil
L - Fuel Oil - Com #4 Oil
M - Fuel Oil - Ind #6 Oil
N - Fuel Oil - Kerosene
O - Propane - Retail
P - Propane - Commercial
Q- Propane - Industrial
R - Wood - Greenwood
S - Wood - Seasoned
T - Coal
U - Other 1
V - Other 2
W - Other 3

LOADSHAPES FROM GRID'S MODEL - FROM LYNN ROSS

Loadshape Name	Winter Peak Energy	Winter Off-Peak Energy	Summer Peak Energy
HEATINGHERS	28%	26%	25%
COOLINGHERS	0%	0%	70%
DHWHERS	27%	40%	13%
REFRIG	27%	40%	13%
CWASHER	27%	40%	13%
DISHWASHs	41%	25%	21%
CFL	35%	32%	17%
CUSTSER	33%	33%	17%
CUSTSERNE	40%	26%	20%
n/a	41%	25%	21%
CW1ElecDHWElecDry	48%	19%	24%
CW1ElecDHWFossilDry	27%	40%	13%
CW1OilDHWElecDry	27%	40%	13%
CW1GasDHWElecDry	41%	25%	21%
CW1GasDHWOtherDry	31%	36%	15%
CW2ElecDHWElecDry	19%	48%	9%
CW2ElecDHWFossilDry	44%	22%	22%
CW2OilDHWElecDry	43%	24%	21%
CW2GasDHWElecDry	52%	15%	26%
CW2GasDHWOtherDry	27%	40%	13%
CW3ElecDHWElecDry	27%	40%	13%
CW3ElecDHWFossilDry	27%	40%	13%
CW3OilDHWElecDry	0%	0%	70%
CW3GasDHWElecDry	53%	18%	21%
CW3GasDHWOtherDry	53%	18%	21%
RoomAC	27%	40%	13%
MOCFL	27%	40%	13%
MOIFixture	27%	40%	13%
MOOFixture	27%	40%	13%
MOTorchiere	27%	40%	13%
CFL	27%	40%	13%

Ifixture	27%	40%	13%
Ofixture	27%	40%	13%
Torchiere	27%	40%	13%
EDUC - TLC	27%	40%	13%
Wx Elec	27%	40%	13%
CFL	0%	0%	70%
FIXTURES	27%	40%	13%
REFRIG	52%	15%	26%
DHWElec	27%	40%	13%
DHWOil	53%	18%	21%
THERMOSTAT	22%	21%	30%
Wx DelFuel	0%	0%	70%
AMP Single-family	27%	40%	13%

ctivity names entered here
y to those in the Budget sheet
hyphens etc)

PY	Year
Year 1 =	2010
Year 2 =	2011
Year 3 =	2012
Year 4 =	2013
Year 5 =	2014

Summer Off-Peak Energy	Check	Summer Coincident (%)	Winter Coincident (%)	Notes
0%	0%	0%	0%	
20%	100%	100%	100%	
20%	100%	100%	100%	
20%	100%	100%	0%	
22%	100%	43%	100%	

20%	100%	100%	75%
20%	100%	0%	100%
20%	100%	72%	48%
22%	100%	88%	58%
22%	100%	100%	82%
20%	100%	7.6%	28.6%
20%	100%	27%	100%
20%	100%	100%	90%
30%	100%	85%	0%
20%	100%	29.0%	0.0%
18%	100%	100%	75%
18%	100%	80%	37%
20%	100%	75%	100%
0%	0%	0%	0%
	0%		
	0%		
	0%	

Summer Off-Peak Energy	
22%	100%
30%	100%
20%	100%
20%	100%
20%	100%
13%	100%
16%	100%
17%	100%
13%	100%
13%	100%
10%	100%
20%	100%
20%	100%
13%	100%
18%	100%
24%	100%
11%	100%
12%	100%
7%	100%
20%	100%
20%	100%
20%	100%
30%	100%
9%	100%
9%	100%
20%	100%
20%	100%
20%	100%
20%	100%
20%	100%
20%	100%

20%	100%
20%	100%
20%	100%
20%	100%
20%	100%
30%	100%
20%	100%
7%	100%
20%	100%
9%	100%
27%	100%
30%	100%
20%	100%

A02a Residential Lost Opportunity
A02b Residential HVAC
A03a Residential Retrofit 1-4
A03b Residential Retrofit Multifamily
A03c Residential Load Response
A04a Residential Lighting
A04b Residential Appliances
B02a Low Income Lost Opportunity
B03a Low Income Retrofit 1-4
B03b Low Income Retrofit Multifamily
C02a C&I Lost Opportunity
C03a Large C&I Retrofit
C03b Small C&I Retrofit

Program	ProgID	Rate Class
A02a ENERGY STAR Homes	347	R
A03a Home Energy Solutions	344	R
A04a ENERGY STAR Lighting	345	R
A04b ENERGY STAR Appl	346	R
A05a EE Website	332	R
A05b Res / K-12 Education	378	R
A06a ISO-Related Expenses Res Non-LI		R
A07x Perf. Incentive Tax Liability		R
B02a Low Income Lost Opportunity		L
B03a Home Energy Assistance	329	L
B06a ISO-Related Expenses Res LI		L
B07x Perf. Incentive Tax Liability		L
C02a C&I New Construction	349	C
C03a Large C&I Retrofit	350	C
C03b Small C&I Retrofit	348	C
C05b Cust/Contr Education	376	C
C05d C&I EE Website	332	C
C06a ISO-Related Expenses C&I		C
C07x Perf. Incentive Tax Liability		C
-		
-		
-		
-		
-		
-		
-		
-		

DER Regulatory Analysis Pursuant to 374-G:5 Rate Filing: Authorization, Part II

Crutchfield

a expected vale of economic benefiuts and costs

Unitil Contribution		$	78,400.00
Overhead Rate @30%	0.3	$	23,520.00
NPV of expected costs		$	101.92
NPV of expected benefits		$	245.66
B/C Ratio			2.41

Breakdown of benefits

Total Benefits	Capacity					Energy				Non Electric		Load Reduction			MWh Saved		Value
Total Benefits	Generation		Trans	Dist	DRIPE	Winter		Summer		Resource	Non-Resource	Summer	Winter	Lifetime	Annual	Lifetime	Energy DRIPE
	Summer	Winter				Peak	Off Peak	Peak	Off Peak								DRIPE
$9,762	$21,085		$0	$8,402	$25,804	$9,762	$94,604	$31,313	$41,162	$13,527	$0	$0	58	86	749	190	2,469	$63,310

	DRIPE Energy	$	63,310
	CO2 Reduction	$	75,635
	REC Credit	$	310,120
3	Loclized Distribution D55 Benefits	$	4,762
	Grand Total	**$**	**462,228**

Schedule CLC-2

	Economic Development Benefits		Impact
$	Output	$	144,018
$	Wages	$	28,145
Jobs	Employment	$	0.671

Summary Report
Crutchfield

Participant Benefits		Total	Capacity	Energy	Environmental	Development
Total $	$	235,898.18	$ 55,291.24	$ 180,606.94		
B/C Ratio	$	2.31				
All Customers	$	297,486.49	$14,523	$63,310	$75,635	$ 144,018
Default	$	310,120				
	$	843,507				

Unitil Investment	$101,920
Total Project Cost	$101,920
Other Intangible Benefits	
Load Reduction	
Summer	58
Winter	86
Lifetime	749
MWh Saved	
Annual	190
Lifetime	2,469
Economic Development	
Jobs Created	1
Wages & Salaries	$28,145

Localized Distribution Benefits

Level	Descritpion	Average Annual Cos	Average Growth Rat	Savings by Delaying 1 Year (WACC * $/kVA)
1	Circuit Level Project	33502.52991	316.7948718	7.233617871 7.233618
2	Substation Level Project	160302.2222	152.3333333	71.97815317 79.21177
3	System Level Project	212020.7544	4194.736842	3.457241812 82.66901
	WACC =	0.0684		

$/MVA	$	82.67

Allocation of Economic Benefits

Capacity	**Total**	**Participant**	**All Customers**	**Default**
Generation				
Summer	$21,085	$26,695	-$5,610	
Winter	$0	$0	$0	
Transmission	$8,402	$2,666	$5,736	
Distribution	$25,804	$8,187	$17,617	
DRIPE	$9,762		$9,762	
Localized Distribution	$4,762		$4,762	
Total Capacity	**$69,815**	**$37,548**	**$32,267**	**$0**
Energy				
Winter				
Peak	$94,604	$119,776	-$25,172	
Off peak	$31,313	$39,645	-$8,332	
Summer				

Economic Development

Weights	Industry	Output	Earnings	Jobs per $1M Employment	Weighted Output	Earnings	Employment
	Utilities	1.2345	0.1333	2.1336			
0.25	Construction	1.8523	0.4282	11.6215	0.463075	0.10705	2.905375
0.6	Electric equipment	1.7282	0.2573	5.3623	1.03692	0.15438	3.21738
0.1	Misc Manufacturing	1.7633	0.3512	7.1845	0.17633	0.03512	0.71845
0.05	Wholesale Trade	1.6178	0.3352	6.7948	0.08089	0.01676	0.33974
1					1.757215	0.31331	7.180945
				DER & Utility	1.413	0.276	6.586