

	Building Name	Bldg # Basecase Energy ## Usage Intensity (per Month)		
		Electricity (kwh)	Chilled Water (mbtu)	Heating Hot Water (mbtu)
14	1501	387,235.27	2,466.06	1,080.96
16	1507	500,455.67	4,920.09	1,614.71
15	1504	471,902.08	3,244.01	599.55
6	386	788,560.80	4,673.33	1,086.23
1	378	135,916.40	-	-
3	388	137,472.30	-	-
8	391	226,791.82	1,234.05	308.14
5	1559	266,794.43	114.16	13.63
13	1194	256,243.40	2,771.05	826.63
7	387	214,077.96	1,823.57	678.83
4	469	61,027.73	47.96	13.78
2	379	68,636.53	-	-
10	446	193,615.10	898.13	468.09
9	392	92,364.84	502.58	125.50
11	463	83,793.63	515.17	151.44
12	518	519,977.32	2,237.08	361.87
17	1508	44,975.63	190.46	15.17

Predicted Improved Bldg # Energy ## Usage (per Month)			Cost of Improving Bldg # (\$)
Electricity (kwh)	Chilled Water (mbtu)	Heating Hot Water (mbtu)	
344,147.12	1,721.82	633.93	840,996
484,915.89	4,373.89	1,114.10	1,450,094
418,971.17	2,908.27	328.66	954,888
762,173.46	4,050.94	866.12	484,137
73,835.69	-	-	364,616
68,160.60	-	-	511,284
207,205.66	987.85	209.19	409,003
158,218.78	114.16	13.63	821,714
232,629.24	2,458.01	645.00	573,227
201,104.27	1,359.97	445.18	690,109
37,229.43	47.96	13.78	205,535
43,406.40	-	-	250,262
170,945.98	770.91	280.19	718,588
84,068.15	422.49	78.97	362,070
76,860.94	453.60	93.06	355,182
502,355.67	2,155.88	299.00	836,546
44,900.57	154.63	11.07	171,749

Month of Performing Improvement in Bldg #	Improvement Project Duration (m)	Total Savings per Year	Benefit / Cost	Building Type	
1		12949.77924037	0.015398	Buildings	A
2		10105.47660253	0.006969	Buildings	B
3		9159.173741943	0.009592	Garages	C
4		8447.272683325	0.017448	Garages	D
5		4780.215218975	0.01311	Buildings	E
5		5337.001243609	0.010438	Buildings	F
5		4172.538901911	0.010202	Garages	G
6		8360.325074864	0.010174	Buildings	H
6		5801.480453252	0.010121	Buildings	I
6		6521.048613218	0.009449	Garages	J
7		1832.469706614	0.008916	Buildings	K
7		1942.720265978	0.007763	Buildings	L
7		4581.012454898	0.006375	Garages	M
8		1658.567388901	0.004581	Buildings	N
9		1558.837613369	0.004389	Buildings	O
10		2558.074802518	0.003058	Buildings	P
11		283.7442437321	0.001652	Buildings	Q

		Bldg # Basecase Energy ## Usage Intensity (per Month)		
	Building Name	Electricity (kwh)	Chilled Water (mbtu)	Heating Hot Water (mbtu)
1	378	109,543.75	-	-
2	379	55,318.58	-	-
3	388	110,797.75	-	-
4	469	49,186.17	43.17	14.83
5	1559	215,026.75	102.75	14.67
6	386	635,551.75	4,206.08	1,169.17
7	387	172,539.17	1,641.25	730.67
8	391	182,786.08	1,110.67	331.67
9	392	74,442.75	452.33	135.08
10	446	156,046.83	808.33	503.83
11	463	67,534.67	463.67	163.00
12	518	419,083.08	2,013.42	389.50
13	1194	206,523.00	2,494.00	889.75
14	1501	312,097.75	2,219.50	1,163.50
15	1504	380,336.17	2,919.67	645.33
16	1507	403,349.33	4,428.17	1,738.00
17	1508	36,248.75	171.42	16.33

Predicted Improved Bldg # Energy ## Usage (per Month)			Cost of Improving Bldg # (\$)
Electricity (kwh)	Chilled Water (mbtu)	Heating Hot Water (mbtu)	
59,508.92	-	-	364,616
34,984.00	-	-	250,262
54,935.00	-	-	511,284
30,005.58	43.17	14.83	205,535
127,518.67	102.75	14.67	821,714
614,284.50	3,645.92	932.25	484,137
162,082.83	1,224.00	479.17	690,109
167,000.33	889.08	225.17	409,003
67,755.92	380.25	85.00	362,070
137,776.33	693.83	301.58	718,588
61,947.17	408.25	100.17	355,182
404,880.67	1,940.33	321.83	836,546
187,490.83	2,212.25	694.25	573,227
277,370.25	1,549.67	682.33	840,996
337,675.75	2,617.50	353.75	954,888
390,824.83	3,936.58	1,199.17	1,450,094
36,188.25	139.17	11.92	171,749

Month of Performing Improvement in Bldg #	Improvement Project Duration (m)
9	
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		Bldg # Basecase Energy ## Usage Intensity (per Month)		
	Building Name	Electricity (kwh)	Chilled Water (mbtu)	Heating Hot Water (mbtu)
1	378	135,916.40	-	-
2	379	68,636.53	-	-
3	388	137,472.30	-	-
4	469	61,027.73	47.96	13.78
5	1559	266,794.43	114.16	13.63
6	386	788,560.80	4,673.33	1,086.23
7	387	214,077.96	1,823.57	678.83
8	391	226,791.82	1,234.05	308.14
9	392	92,364.84	502.58	125.50
10	446	193,615.10	898.13	468.09
11	463	83,793.63	515.17	151.44
12	518	519,977.32	2,237.08	361.87
13	1194	256,243.40	2,771.05	826.63
14	1501	387,235.27	2,466.06	1,080.96
15	1504	471,902.08	3,244.01	599.55
16	1507	500,455.67	4,920.09	1,614.71
17	1508	44,975.63	190.46	15.17

Predicted Improved Bldg # Energy ## Usage (per Month)			Cost of Improving Bldg # (\$)
Electricity (kwh)	Chilled Water (mbtu)	Heating Hot Water (mbtu)	
73,835.69	-	-	364,616
43,406.40	-	-	250,262
68,160.60	-	-	511,284
37,229.43	47.96	13.78	205,535
158,218.78	114.16	13.63	821,714
762,173.46	4,050.94	866.12	484,137
201,104.27	1,359.97	445.18	690,109
207,205.66	987.85	209.19	409,003
84,068.15	422.49	78.97	362,070
170,945.98	770.91	280.19	718,588
76,860.94	453.60	93.06	355,182
502,355.67	2,155.88	299.00	836,546
232,629.24	2,458.01	645.00	573,227
344,147.12	1,721.82	633.93	840,996
418,971.17	2,908.27	328.66	954,888
484,915.89	4,373.89	1,114.10	1,450,094
44,900.57	154.63	11.07	171,749

Month of Performing Improvement in Bldg #	Improvement Project Duration (m)
9	
9	
9	
9	
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8	
10	
7	

Funding Source Name	Funding Amount	Month	Payback ratio
A	5,000,000	0	0.111499072
B	0	0	

Loan Payback

01/01/2011
02/02/2111
12/03/2111
01/03/2112
02/03/2112
12/02/2112
01/02/2113
02/02/2113
12/02/2113
01/02/2114
02/02/2114
12/02/2114
01/02/2115
02/02/2115
12/03/2115
01/03/2116
02/03/2116
12/02/2116
01/02/2117
02/02/2117
12/02/2117
01/02/2118
02/02/2118
12/02/2118
01/02/2119
02/02/2119
12/03/2119
01/03/2120
02/03/2120
12/02/2120
01/02/2121
02/02/2121
12/02/2121
01/02/2122
02/02/2122
09/03/2127

Payback Month	Amount
0	0
1	0
11	0
12	0
13	0
23	0
24	557,495.36
25	0
35	0
36	557,495.36
37	0
47	0
48	557,495.36
49	0
59	0
60	557,495.36
61	0
71	0
72	557,495.36
73	0
83	0
84	557,495.36
85	0
95	0
96	557,495.36
97	0
107	0
108	557,495.36
109	0
119	0
120	557,495.36
121	0
131	0
132	557,495.36
133	0.00
200	0.00

M&V Cost	Payback Month	Amount
01/01/2011	0	0
02/02/2111	1	0
12/03/2111	11	0
01/03/2112	12	0
02/03/2112	13	0
12/02/2112	23	0
01/02/2113	24	20,000.00
02/02/2113	25	0
12/02/2113	35	0
01/02/2114	36	20,000.00
02/02/2114	37	0
12/02/2114	47	0
01/02/2115	48	20,000.00
02/02/2115	49	0
12/03/2115	59	0
01/03/2116	60	20,000.00
02/03/2116	61	0
12/02/2116	71	0
01/02/2117	72	20,000.00
02/02/2117	73	0
12/02/2117	83	0
01/02/2118	84	20,000.00
02/02/2118	85	0
12/02/2118	95	0
01/02/2119	96	20,000.00
02/02/2119	97	0
12/03/2119	107	0
01/03/2120	108	20,000.00
02/03/2120	109	0
12/02/2120	119	0
01/02/2121	120	20,000.00
02/02/2121	121	0
12/02/2121	131	0
01/02/2122	132	20,000.00
02/02/2122	133	0.00
09/03/2127	200	0.00

Owner vs. Sust. Savings ratio	0
Interest Rate	0.02
Operational (O&M) Savings Ratio	0.0421
Base case Saving at Month 200	9737849
Interest rate for Negative SF	0.00

	Month	Electricity
1/1/2011	0	0.077
	1	0.077
	2	0.077
	3	0.077
	4	0.078
	5	0.078
	6	0.078
	7	0.078
	8	0.078
	9	0.078
	10	0.078
	11	0.079
	12	0.079
	13	0.079
	14	0.079
	15	0.079
	16	0.079
	17	0.079
	18	0.079
	19	0.080
	20	0.080
	21	0.080
	22	0.080
	23	0.080
	24	0.080
	25	0.080
	26	0.081
	27	0.081
	28	0.081
	29	0.081
	30	0.081
	31	0.081
	32	0.081
	33	0.082
	34	0.082
	35	0.082
	36	0.082
	37	0.082
	38	0.082
	39	0.082
	40	0.083
	41	0.083

42	0.083
43	0.083
44	0.083
45	0.083
46	0.083
47	0.083
48	0.084
49	0.084
50	0.084
51	0.084
52	0.084
53	0.084
54	0.084
55	0.085
56	0.085
57	0.085
58	0.085
59	0.085
60	0.085
61	0.085
62	0.086
63	0.086
64	0.086
65	0.086
66	0.086
67	0.086
68	0.086
69	0.087
70	0.087
71	0.087
72	0.087
73	0.087
74	0.087
75	0.087
76	0.087
77	0.088
78	0.088
79	0.088
80	0.088
81	0.088
82	0.088
83	0.088
84	0.089
85	0.089
86	0.089

87	0.089
88	0.089
89	0.089
90	0.089
91	0.090
92	0.090
93	0.090
94	0.090
95	0.090
96	0.090
97	0.090
98	0.091
99	0.091
100	0.091
101	0.091
102	0.091
103	0.091
104	0.091
105	0.091
106	0.092
107	0.092
108	0.092
109	0.092
110	0.092
111	0.092
112	0.092
113	0.093
114	0.093
115	0.093
116	0.093
117	0.093
118	0.093
119	0.093
120	0.094
121	0.094
122	0.094
123	0.094
124	0.094
125	0.094
126	0.094
127	0.095
128	0.095
129	0.095
130	0.095
131	0.095

132	0.095
133	0.095
134	0.095
135	0.096
136	0.096
137	0.096
138	0.096
139	0.096
140	0.096
141	0.096
142	0.097
143	0.097
144	0.097
145	0.097
146	0.097
147	0.097
148	0.097
149	0.098
150	0.098
151	0.098
152	0.098
153	0.098
154	0.098
155	0.098
156	0.099
157	0.099
158	0.099
159	0.099
160	0.099
161	0.099
162	0.099
163	0.099
164	0.100
165	0.100
166	0.100
167	0.100
168	0.100
169	0.100
170	0.100
171	0.101
172	0.101
173	0.101
174	0.101
175	0.101
176	0.101

177	0.101
178	0.102
179	0.102
180	0.102
181	0.102
182	0.102
183	0.102
184	0.102
185	0.103
186	0.103
187	0.103
188	0.103
189	0.103
190	0.103
191	0.103
192	0.103
193	0.104
194	0.104
195	0.104
196	0.104
197	0.104
198	0.104
199	0.104
200	0.105

7.555	12.328
7.567	12.347
7.579	12.366
7.590	12.385
7.602	12.404
7.614	12.423
7.625	12.443
7.637	12.462
7.649	12.481
7.661	12.500
7.672	12.519
7.684	12.538
7.696	12.557
7.707	12.576
7.719	12.595
7.731	12.615
7.743	12.634
7.754	12.653
7.766	12.672
7.778	12.691
7.789	12.710
7.801	12.729
7.813	12.748
7.825	12.768
7.836	12.787
7.848	12.806
7.860	12.825
7.871	12.844
7.883	12.863
7.895	12.882
7.907	12.901
7.918	12.920
7.930	12.940
7.942	12.959
7.953	12.978
7.965	12.997
7.977	13.016
7.989	13.035
8.000	13.054
8.012	13.073
8.024	13.092
8.035	13.112
8.047	13.131
8.059	13.150
8.071	13.169

8.082	13.188
8.094	13.207
8.106	13.226
8.117	13.245
8.129	13.264
8.141	13.284
8.153	13.303
8.164	13.322
8.176	13.341
8.188	13.360
8.199	13.379
8.211	13.398
8.223	13.417
8.235	13.436
8.246	13.456
8.258	13.475
8.270	13.494
8.281	13.513
8.293	13.532
8.305	13.551
8.316	13.570
8.328	13.589
8.340	13.609
8.352	13.628
8.363	13.647
8.375	13.666
8.387	13.685
8.398	13.704
8.410	13.723
8.422	13.742
8.434	13.761
8.445	13.781
8.457	13.800
8.469	13.819
8.480	13.838
8.492	13.857
8.504	13.876
8.516	13.895
8.527	13.914
8.539	13.933
8.551	13.953
8.562	13.972
8.574	13.991
8.586	14.010
8.598	14.029

8.609	14.048
8.621	14.067
8.633	14.086
8.644	14.105
8.656	14.125
8.668	14.144
8.680	14.163
8.691	14.182
8.703	14.201
8.715	14.220
8.726	14.239
8.738	14.258
8.750	14.278
8.762	14.297
8.773	14.316
8.785	14.335
8.797	14.354
8.808	14.373
8.820	14.392
8.832	14.411
8.844	14.430
8.855	14.450
8.867	14.469
8.879	14.488

month

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