

IncentiveType Description	Description	Applicant	KWh per unit DCEO default	Same as ComEd ? (Y/N)	ComEd Default Year (blank if =ComEd PY3 default value)	IncentiveSubType Description	SizeCategory Description	UnitOfMeasure Description	Efficiency Description	SavingsMeasureId
Motors	40 Horse Power 3600RPM Open	Office	752	Y		40 Horse Power	none	Per Motor	NA	12115
Motors	40 Horse Power 3600RPM Open	Office	752	Y		40 Horse Power	none	Per Motor	NA	13795
Motors	40 Horse Power 3600RPM Open	School	752	Y		40 Horse Power	none	Per Motor	NA	1227
Motors	40 Horse Power 3600RPM Open	School	752	Y		40 Horse Power	none	Per Motor	NA	12116
Motors	40 Horse Power 3600RPM Open	School	752	Y		40 Horse Power	none	Per Motor	NA	13796
Motors	5 Horse Power 1200RPM Closed	College/University	196	Y		5 Horse Power	none	Per Motor	NA	724
Motors	5 Horse Power 1200RPM Closed	College/University	196	Y		5 Horse Power	none	Per Motor	NA	11780
Motors	5 Horse Power 1200RPM Closed	College/University	196	Y		5 Horse Power	none	Per Motor	NA	13460
Motors	5 Horse Power 1200RPM Closed	Medical	196	Y		5 Horse Power	none	Per Motor	NA	900
Motors	5 Horse Power 1200RPM Closed	Medical	196	Y		5 Horse Power	none	Per Motor	NA	11781
Motors	5 Horse Power 1200RPM Closed	Medical	196	Y		5 Horse Power	none	Per Motor	NA	13461
Motors	5 Horse Power 1200RPM Closed	Office	196	Y		5 Horse Power	none	Per Motor	NA	1014
Motors	5 Horse Power 1200RPM Closed	Office	196	Y		5 Horse Power	none	Per Motor	NA	11782
Motors	5 Horse Power 1200RPM Closed	Office	196	Y		5 Horse Power	none	Per Motor	NA	13462
Motors	5 Horse Power 1200RPM Closed	School	196	Y		5 Horse Power	none	Per Motor	NA	1190
Motors	5 Horse Power 1200RPM Closed	School	196	Y		5 Horse Power	none	Per Motor	NA	11783
Motors	5 Horse Power 1200RPM Closed	School	196	Y		5 Horse Power	none	Per Motor	NA	13463
Motors	5 Horse Power 1200RPM Open	College/University	196	Y		5 Horse Power	none	Per Motor	NA	723
Motors	5 Horse Power 1200RPM Open	College/University	196	Y		5 Horse Power	none	Per Motor	NA	11771
Motors	5 Horse Power 1200RPM Open	College/University	196	Y		5 Horse Power	none	Per Motor	NA	13451
Motors	5 Horse Power 1200RPM Open	Medical	196	Y		5 Horse Power	none	Per Motor	NA	899
Motors	5 Horse Power 1200RPM Open	Medical	196	Y		5 Horse Power	none	Per Motor	NA	11772
Motors	5 Horse Power 1200RPM Open	Medical	196	Y		5 Horse Power	none	Per Motor	NA	13452
Motors	5 Horse Power 1200RPM Open	Office	196	Y		5 Horse Power	none	Per Motor	NA	1013
Motors	5 Horse Power 1200RPM Open	Office	196	Y		5 Horse Power	none	Per Motor	NA	11773
Motors	5 Horse Power 1200RPM Open	Office	196	Y		5 Horse Power	none	Per Motor	NA	13453
Motors	5 Horse Power 1200RPM Open	School	196	Y		5 Horse Power	none	Per Motor	NA	1189
Motors	5 Horse Power 1200RPM Open	School	196	Y		5 Horse Power	none	Per Motor	NA	11774
Motors	5 Horse Power 1200RPM Open	School	196	Y		5 Horse Power	none	Per Motor	NA	13454
Motors	5 Horse Power 1800RPM Closed	College/University	196	Y		5 Horse Power	none	Per Motor	NA	722
Motors	5 Horse Power 1800RPM Closed	College/University	196	Y		5 Horse Power	none	Per Motor	NA	11762
Motors	5 Horse Power 1800RPM Closed	College/University	196	Y		5 Horse Power	none	Per Motor	NA	13442
Motors	5 Horse Power 1800RPM Closed	Medical	196	Y		5 Horse Power	none	Per Motor	NA	898
Motors	5 Horse Power 1800RPM Closed	Medical	196	Y		5 Horse Power	none	Per Motor	NA	11763
Motors	5 Horse Power 1800RPM Closed	Medical	196	Y		5 Horse Power	none	Per Motor	NA	13443
Motors	5 Horse Power 1800RPM Closed	Office	196	Y		5 Horse Power	none	Per Motor	NA	1012
Motors	5 Horse Power 1800RPM Closed	Office	196	Y		5 Horse Power	none	Per Motor	NA	11764
Motors	5 Horse Power 1800RPM Closed	Office	196	Y		5 Horse Power	none	Per Motor	NA	13444
Motors	5 Horse Power 1800RPM Closed	School	196	Y		5 Horse Power	none	Per Motor	NA	1188
Motors	5 Horse Power 1800RPM Closed	School	196	Y		5 Horse Power	none	Per Motor	NA	11765
Motors	5 Horse Power 1800RPM Closed	School	196	Y		5 Horse Power	none	Per Motor	NA	13445
Motors	5 Horse Power 1800RPM Open	College/University	196	Y		5 Horse Power	none	Per Motor	NA	721
Motors	5 Horse Power 1800RPM Open	College/University	196	Y		5 Horse Power	none	Per Motor	NA	11753

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Motors	5 Horse Power 1800RPM Open	College/University	196	Y		5 Horse Power	none	Per Motor	NA	13433
Motors	5 Horse Power 1800RPM Open	Medical	196	Y		5 Horse Power	none	Per Motor	NA	897
Motors	5 Horse Power 1800RPM Open	Medical	196	Y		5 Horse Power	none	Per Motor	NA	11754
Motors	5 Horse Power 1800RPM Open	Medical	196	Y		5 Horse Power	none	Per Motor	NA	13434
Motors	5 Horse Power 1800RPM Open	Office	196	Y		5 Horse Power	none	Per Motor	NA	1011
Motors	5 Horse Power 1800RPM Open	Office	196	Y		5 Horse Power	none	Per Motor	NA	11755
Motors	5 Horse Power 1800RPM Open	Office	196	Y		5 Horse Power	none	Per Motor	NA	13435
Motors	5 Horse Power 1800RPM Open	School	196	Y		5 Horse Power	none	Per Motor	NA	1187
Motors	5 Horse Power 1800RPM Open	School	196	Y		5 Horse Power	none	Per Motor	NA	11756
Motors	5 Horse Power 1800RPM Open	School	196	Y		5 Horse Power	none	Per Motor	NA	13436
Motors	5 Horse Power 3600RPM Closed	College/University	99	Y		5 Horse Power	none	Per Motor	NA	720
Motors	5 Horse Power 3600RPM Closed	College/University	99	Y		5 Horse Power	none	Per Motor	NA	11744
Motors	5 Horse Power 3600RPM Closed	College/University	99	Y		5 Horse Power	none	Per Motor	NA	13424
Motors	5 Horse Power 3600RPM Closed	Medical	99	Y		5 Horse Power	none	Per Motor	NA	896
Motors	5 Horse Power 3600RPM Closed	Medical	99	Y		5 Horse Power	none	Per Motor	NA	11745
Motors	5 Horse Power 3600RPM Closed	Medical	99	Y		5 Horse Power	none	Per Motor	NA	13425
Motors	5 Horse Power 3600RPM Closed	Office	99	Y		5 Horse Power	none	Per Motor	NA	1010
Motors	5 Horse Power 3600RPM Closed	Office	99	Y		5 Horse Power	none	Per Motor	NA	11746
Motors	5 Horse Power 3600RPM Closed	Office	99	Y		5 Horse Power	none	Per Motor	NA	13426
Motors	5 Horse Power 3600RPM Closed	School	99	Y		5 Horse Power	none	Per Motor	NA	1186
Motors	5 Horse Power 3600RPM Closed	School	99	Y		5 Horse Power	none	Per Motor	NA	11747
Motors	5 Horse Power 3600RPM Closed	School	99	Y		5 Horse Power	none	Per Motor	NA	13427
Motors	5 Horse Power 3600RPM Open	College/University	104	Y		5 Horse Power	none	Per Motor	NA	719
Motors	5 Horse Power 3600RPM Open	College/University	104	Y		5 Horse Power	none	Per Motor	NA	11735
Motors	5 Horse Power 3600RPM Open	College/University	104	Y		5 Horse Power	none	Per Motor	NA	13415
Motors	5 Horse Power 3600RPM Open	Medical	104	Y		5 Horse Power	none	Per Motor	NA	895
Motors	5 Horse Power 3600RPM Open	Medical	104	Y		5 Horse Power	none	Per Motor	NA	11736
Motors	5 Horse Power 3600RPM Open	Medical	104	Y		5 Horse Power	none	Per Motor	NA	13416
Motors	5 Horse Power 3600RPM Open	Office	104	Y		5 Horse Power	none	Per Motor	NA	1009
Motors	5 Horse Power 3600RPM Open	Office	104	Y		5 Horse Power	none	Per Motor	NA	11737
Motors	5 Horse Power 3600RPM Open	Office	104	Y		5 Horse Power	none	Per Motor	NA	13417
Motors	5 Horse Power 3600RPM Open	School	104	Y		5 Horse Power	none	Per Motor	NA	1185
Motors	5 Horse Power 3600RPM Open	School	104	Y		5 Horse Power	none	Per Motor	NA	11738
Motors	5 Horse Power 3600RPM Open	School	104	Y		5 Horse Power	none	Per Motor	NA	13418
Motors	50 Horse Power 1200RPM Closed	College/University	1430	Y		50 Horse Power	none	Per Motor	NA	772
Motors	50 Horse Power 1200RPM Closed	College/University	1430	Y		50 Horse Power	none	Per Motor	NA	12212
Motors	50 Horse Power 1200RPM Closed	College/University	1430	Y		50 Horse Power	none	Per Motor	NA	13892
Motors	50 Horse Power 1200RPM Closed	Medical	1430	Y		50 Horse Power	none	Per Motor	NA	948
Motors	50 Horse Power 1200RPM Closed	Medical	1430	Y		50 Horse Power	none	Per Motor	NA	12213
Motors	50 Horse Power 1200RPM Closed	Medical	1430	Y		50 Horse Power	none	Per Motor	NA	13893
Motors	50 Horse Power 1200RPM Closed	Office	1430	Y		50 Horse Power	none	Per Motor	NA	1062
Motors	50 Horse Power 1200RPM Closed	Office	1430	Y		50 Horse Power	none	Per Motor	NA	12214
Motors	50 Horse Power 1200RPM Closed	Office	1430	Y		50 Horse Power	none	Per Motor	NA	13894

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Motors	50 Horse Power 1200RPM Closed	School	1430	Y		50 Horse Power	none	Per Motor	NA	1238
Motors	50 Horse Power 1200RPM Closed	School	1430	Y		50 Horse Power	none	Per Motor	NA	12215
Motors	50 Horse Power 1200RPM Closed	School	1430	Y		50 Horse Power	none	Per Motor	NA	13895
Motors	50 Horse Power 1200RPM Open	College/University	1430	Y		50 Horse Power	none	Per Motor	NA	771
Motors	50 Horse Power 1200RPM Open	College/University	1430	Y		50 Horse Power	none	Per Motor	NA	12203
Motors	50 Horse Power 1200RPM Open	College/University	1430	Y		50 Horse Power	none	Per Motor	NA	13883
Motors	50 Horse Power 1200RPM Open	Medical	1430	Y		50 Horse Power	none	Per Motor	NA	947
Motors	50 Horse Power 1200RPM Open	Medical	1430	Y		50 Horse Power	none	Per Motor	NA	12204
Motors	50 Horse Power 1200RPM Open	Medical	1430	Y		50 Horse Power	none	Per Motor	NA	13884
Motors	50 Horse Power 1200RPM Open	Office	1430	Y		50 Horse Power	none	Per Motor	NA	1061
Motors	50 Horse Power 1200RPM Open	Office	1430	Y		50 Horse Power	none	Per Motor	NA	12205
Motors	50 Horse Power 1200RPM Open	Office	1430	Y		50 Horse Power	none	Per Motor	NA	13885
Motors	50 Horse Power 1200RPM Open	School	1430	Y		50 Horse Power	none	Per Motor	NA	1237
Motors	50 Horse Power 1200RPM Open	School	1430	Y		50 Horse Power	none	Per Motor	NA	12206
Motors	50 Horse Power 1200RPM Open	School	1430	Y		50 Horse Power	none	Per Motor	NA	13886
Motors	50 Horse Power 1800RPM Closed	College/University	1942	Y		50 Horse Power	none	Per Motor	NA	770
Motors	50 Horse Power 1800RPM Closed	College/University	1942	Y		50 Horse Power	none	Per Motor	NA	12194
Motors	50 Horse Power 1800RPM Closed	College/University	1942	Y		50 Horse Power	none	Per Motor	NA	13874
Motors	50 Horse Power 1800RPM Closed	Medical	1942	Y		50 Horse Power	none	Per Motor	NA	946
Motors	50 Horse Power 1800RPM Closed	Medical	1942	Y		50 Horse Power	none	Per Motor	NA	12195
Motors	50 Horse Power 1800RPM Closed	Medical	1942	Y		50 Horse Power	none	Per Motor	NA	13875
Motors	50 Horse Power 1800RPM Closed	Office	1942	Y		50 Horse Power	none	Per Motor	NA	1060
Motors	50 Horse Power 1800RPM Closed	Office	1942	Y		50 Horse Power	none	Per Motor	NA	12196
Motors	50 Horse Power 1800RPM Closed	Office	1942	Y		50 Horse Power	none	Per Motor	NA	13876
Motors	50 Horse Power 1800RPM Closed	School	1942	Y		50 Horse Power	none	Per Motor	NA	1236
Motors	50 Horse Power 1800RPM Closed	School	1942	Y		50 Horse Power	none	Per Motor	NA	12197
Motors	50 Horse Power 1800RPM Closed	School	1942	Y		50 Horse Power	none	Per Motor	NA	13877
Motors	50 Horse Power 1800RPM Open	College/University	1942	Y		50 Horse Power	none	Per Motor	NA	769
Motors	50 Horse Power 1800RPM Open	College/University	1942	Y		50 Horse Power	none	Per Motor	NA	12185
Motors	50 Horse Power 1800RPM Open	College/University	1942	Y		50 Horse Power	none	Per Motor	NA	13865
Motors	50 Horse Power 1800RPM Open	Medical	1942	Y		50 Horse Power	none	Per Motor	NA	945
Motors	50 Horse Power 1800RPM Open	Medical	1942	Y		50 Horse Power	none	Per Motor	NA	12186
Motors	50 Horse Power 1800RPM Open	Medical	1942	Y		50 Horse Power	none	Per Motor	NA	13866
Motors	50 Horse Power 1800RPM Open	Office	1942	Y		50 Horse Power	none	Per Motor	NA	1059
Motors	50 Horse Power 1800RPM Open	Office	1942	Y		50 Horse Power	none	Per Motor	NA	12187
Motors	50 Horse Power 1800RPM Open	Office	1942	Y		50 Horse Power	none	Per Motor	NA	13867
Motors	50 Horse Power 1800RPM Open	School	1942	Y		50 Horse Power	none	Per Motor	NA	1235
Motors	50 Horse Power 1800RPM Open	School	1942	Y		50 Horse Power	none	Per Motor	NA	12188
Motors	50 Horse Power 1800RPM Open	School	1942	Y		50 Horse Power	none	Per Motor	NA	13868
Motors	50 Horse Power 3600RPM Closed	College/University	794	Y		50 Horse Power	none	Per Motor	NA	768
Motors	50 Horse Power 3600RPM Closed	College/University	794	Y		50 Horse Power	none	Per Motor	NA	12176
Motors	50 Horse Power 3600RPM Closed	College/University	794	Y		50 Horse Power	none	Per Motor	NA	13856
Motors	50 Horse Power 3600RPM Closed	Medical	794	Y		50 Horse Power	none	Per Motor	NA	944

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Motors	50 Horse Power 3600RPM Closed	Medical	794	Y		50 Horse Power	none	Per Motor	NA	12177
Motors	50 Horse Power 3600RPM Closed	Medical	794	Y		50 Horse Power	none	Per Motor	NA	13857
Motors	50 Horse Power 3600RPM Closed	Office	794	Y		50 Horse Power	none	Per Motor	NA	1058
Motors	50 Horse Power 3600RPM Closed	Office	794	Y		50 Horse Power	none	Per Motor	NA	12178
Motors	50 Horse Power 3600RPM Closed	Office	794	Y		50 Horse Power	none	Per Motor	NA	13858
Motors	50 Horse Power 3600RPM Closed	School	794	Y		50 Horse Power	none	Per Motor	NA	1234
Motors	50 Horse Power 3600RPM Closed	School	794	Y		50 Horse Power	none	Per Motor	NA	12179
Motors	50 Horse Power 3600RPM Closed	School	794	Y		50 Horse Power	none	Per Motor	NA	13859
Motors	50 Horse Power 3600RPM Open	College/University	794	Y		50 Horse Power	none	Per Motor	NA	767
Motors	50 Horse Power 3600RPM Open	College/University	794	Y		50 Horse Power	none	Per Motor	NA	12167
Motors	50 Horse Power 3600RPM Open	College/University	794	Y		50 Horse Power	none	Per Motor	NA	13847
Motors	50 Horse Power 3600RPM Open	Medical	794	Y		50 Horse Power	none	Per Motor	NA	943
Motors	50 Horse Power 3600RPM Open	Medical	794	Y		50 Horse Power	none	Per Motor	NA	12168
Motors	50 Horse Power 3600RPM Open	Medical	794	Y		50 Horse Power	none	Per Motor	NA	13848
Motors	50 Horse Power 3600RPM Open	Office	794	Y		50 Horse Power	none	Per Motor	NA	1057
Motors	50 Horse Power 3600RPM Open	Office	794	Y		50 Horse Power	none	Per Motor	NA	12169
Motors	50 Horse Power 3600RPM Open	Office	794	Y		50 Horse Power	none	Per Motor	NA	13849
Motors	50 Horse Power 3600RPM Open	School	794	Y		50 Horse Power	none	Per Motor	NA	1233
Motors	50 Horse Power 3600RPM Open	School	794	Y		50 Horse Power	none	Per Motor	NA	12170
Motors	50 Horse Power 3600RPM Open	School	794	Y		50 Horse Power	none	Per Motor	NA	13850
Motors	60 Horse Power 1200RPM Closed	College/University	1820	Y		60 Horse Power	none	Per Motor	NA	778
Motors	60 Horse Power 1200RPM Closed	College/University	1820	Y		60 Horse Power	none	Per Motor	NA	12266
Motors	60 Horse Power 1200RPM Closed	College/University	1820	Y		60 Horse Power	none	Per Motor	NA	13946
Motors	60 Horse Power 1200RPM Closed	Medical	1820	Y		60 Horse Power	none	Per Motor	NA	954
Motors	60 Horse Power 1200RPM Closed	Medical	1820	Y		60 Horse Power	none	Per Motor	NA	12267
Motors	60 Horse Power 1200RPM Closed	Medical	1820	Y		60 Horse Power	none	Per Motor	NA	13947
Motors	60 Horse Power 1200RPM Closed	Office	1820	Y		60 Horse Power	none	Per Motor	NA	1068
Motors	60 Horse Power 1200RPM Closed	Office	1820	Y		60 Horse Power	none	Per Motor	NA	12268
Motors	60 Horse Power 1200RPM Closed	Office	1820	Y		60 Horse Power	none	Per Motor	NA	13948
Motors	60 Horse Power 1200RPM Closed	School	1820	Y		60 Horse Power	none	Per Motor	NA	1244
Motors	60 Horse Power 1200RPM Closed	School	1820	Y		60 Horse Power	none	Per Motor	NA	12269
Motors	60 Horse Power 1200RPM Closed	School	1820	Y		60 Horse Power	none	Per Motor	NA	13949
Motors	60 Horse Power 1200RPM Open	College/University	1820	Y		60 Horse Power	none	Per Motor	NA	777
Motors	60 Horse Power 1200RPM Open	College/University	1820	Y		60 Horse Power	none	Per Motor	NA	12257
Motors	60 Horse Power 1200RPM Open	College/University	1820	Y		60 Horse Power	none	Per Motor	NA	13937
Motors	60 Horse Power 1200RPM Open	Medical	1820	Y		60 Horse Power	none	Per Motor	NA	953
Motors	60 Horse Power 1200RPM Open	Medical	1820	Y		60 Horse Power	none	Per Motor	NA	12258
Motors	60 Horse Power 1200RPM Open	Medical	1820	Y		60 Horse Power	none	Per Motor	NA	13938
Motors	60 Horse Power 1200RPM Open	Office	1820	Y		60 Horse Power	none	Per Motor	NA	1067
Motors	60 Horse Power 1200RPM Open	Office	1820	Y		60 Horse Power	none	Per Motor	NA	12259
Motors	60 Horse Power 1200RPM Open	Office	1820	Y		60 Horse Power	none	Per Motor	NA	13939
Motors	60 Horse Power 1200RPM Open	School	1820	Y		60 Horse Power	none	Per Motor	NA	1243
Motors	60 Horse Power 1200RPM Open	School	1820	Y		60 Horse Power	none	Per Motor	NA	12260

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Motors	60 Horse Power 1200RPM Open	School	1820	Y		60 Horse Power	none	Per Motor	NA	13940
Motors	60 Horse Power 1800RPM Closed	College/University	2817	Y		60 Horse Power	none	Per Motor	NA	776
Motors	60 Horse Power 1800RPM Closed	College/University	2817	Y		60 Horse Power	none	Per Motor	NA	12248
Motors	60 Horse Power 1800RPM Closed	College/University	2817	Y		60 Horse Power	none	Per Motor	NA	13928
Motors	60 Horse Power 1800RPM Closed	Medical	2817	Y		60 Horse Power	none	Per Motor	NA	952
Motors	60 Horse Power 1800RPM Closed	Medical	2817	Y		60 Horse Power	none	Per Motor	NA	12249
Motors	60 Horse Power 1800RPM Closed	Medical	2817	Y		60 Horse Power	none	Per Motor	NA	13929
Motors	60 Horse Power 1800RPM Closed	Office	2817	Y		60 Horse Power	none	Per Motor	NA	1066
Motors	60 Horse Power 1800RPM Closed	Office	2817	Y		60 Horse Power	none	Per Motor	NA	12250
Motors	60 Horse Power 1800RPM Closed	Office	2817	Y		60 Horse Power	none	Per Motor	NA	13930
Motors	60 Horse Power 1800RPM Closed	School	2817	Y		60 Horse Power	none	Per Motor	NA	1242
Motors	60 Horse Power 1800RPM Closed	School	2817	Y		60 Horse Power	none	Per Motor	NA	12251
Motors	60 Horse Power 1800RPM Closed	School	2817	Y		60 Horse Power	none	Per Motor	NA	13931
Motors	60 Horse Power 1800RPM Open	College/University	2817	Y		60 Horse Power	none	Per Motor	NA	775
Motors	60 Horse Power 1800RPM Open	College/University	2817	Y		60 Horse Power	none	Per Motor	NA	12239
Motors	60 Horse Power 1800RPM Open	College/University	2817	Y		60 Horse Power	none	Per Motor	NA	13919
Motors	60 Horse Power 1800RPM Open	Medical	2817	Y		60 Horse Power	none	Per Motor	NA	951
Motors	60 Horse Power 1800RPM Open	Medical	2817	Y		60 Horse Power	none	Per Motor	NA	12240
Motors	60 Horse Power 1800RPM Open	Medical	2817	Y		60 Horse Power	none	Per Motor	NA	13920
Motors	60 Horse Power 1800RPM Open	Office	2817	Y		60 Horse Power	none	Per Motor	NA	1065
Motors	60 Horse Power 1800RPM Open	Office	2817	Y		60 Horse Power	none	Per Motor	NA	12241
Motors	60 Horse Power 1800RPM Open	Office	2817	Y		60 Horse Power	none	Per Motor	NA	13921
Motors	60 Horse Power 1800RPM Open	School	2817	Y		60 Horse Power	none	Per Motor	NA	1241
Motors	60 Horse Power 1800RPM Open	School	2817	Y		60 Horse Power	none	Per Motor	NA	12242
Motors	60 Horse Power 1800RPM Open	School	2817	Y		60 Horse Power	none	Per Motor	NA	13922
Motors	60 Horse Power 3600RPM Closed	College/University	1233	Y		60 Horse Power	none	Per Motor	NA	774
Motors	60 Horse Power 3600RPM Closed	College/University	1233	Y		60 Horse Power	none	Per Motor	NA	12230
Motors	60 Horse Power 3600RPM Closed	College/University	1233	Y		60 Horse Power	none	Per Motor	NA	13910
Motors	60 Horse Power 3600RPM Closed	Medical	1233	Y		60 Horse Power	none	Per Motor	NA	950
Motors	60 Horse Power 3600RPM Closed	Medical	1233	Y		60 Horse Power	none	Per Motor	NA	12231
Motors	60 Horse Power 3600RPM Closed	Medical	1233	Y		60 Horse Power	none	Per Motor	NA	13911
Motors	60 Horse Power 3600RPM Closed	Office	1233	Y		60 Horse Power	none	Per Motor	NA	1064
Motors	60 Horse Power 3600RPM Closed	Office	1233	Y		60 Horse Power	none	Per Motor	NA	12232
Motors	60 Horse Power 3600RPM Closed	Office	1233	Y		60 Horse Power	none	Per Motor	NA	13912
Motors	60 Horse Power 3600RPM Closed	School	1233	Y		60 Horse Power	none	Per Motor	NA	1240
Motors	60 Horse Power 3600RPM Closed	School	1233	Y		60 Horse Power	none	Per Motor	NA	12233
Motors	60 Horse Power 3600RPM Closed	School	1233	Y		60 Horse Power	none	Per Motor	NA	13913
Motors	60 Horse Power 3600RPM Open	College/University	1233	Y		60 Horse Power	none	Per Motor	NA	773
Motors	60 Horse Power 3600RPM Open	College/University	1233	Y		60 Horse Power	none	Per Motor	NA	12221
Motors	60 Horse Power 3600RPM Open	College/University	1233	Y		60 Horse Power	none	Per Motor	NA	13901
Motors	60 Horse Power 3600RPM Open	Medical	1233	Y		60 Horse Power	none	Per Motor	NA	949
Motors	60 Horse Power 3600RPM Open	Medical	1233	Y		60 Horse Power	none	Per Motor	NA	12222
Motors	60 Horse Power 3600RPM Open	Medical	1233	Y		60 Horse Power	none	Per Motor	NA	13902

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Motors	60 Horse Power 3600RPM Open	Office	1233	Y		60 Horse Power	none	Per Motor	NA	1063
Motors	60 Horse Power 3600RPM Open	Office	1233	Y		60 Horse Power	none	Per Motor	NA	12223
Motors	60 Horse Power 3600RPM Open	Office	1233	Y		60 Horse Power	none	Per Motor	NA	13903
Motors	60 Horse Power 3600RPM Open	School	1233	Y		60 Horse Power	none	Per Motor	NA	1239
Motors	60 Horse Power 3600RPM Open	School	1233	Y		60 Horse Power	none	Per Motor	NA	12224
Motors	60 Horse Power 3600RPM Open	School	1233	Y		60 Horse Power	none	Per Motor	NA	13904
Motors	7.5 Horse Power 1200RPM Closed	College/University	262	Y		7.5 Horse Power	none	Per Motor	NA	730
Motors	7.5 Horse Power 1200RPM Closed	College/University	262	Y		7.5 Horse Power	none	Per Motor	NA	11834
Motors	7.5 Horse Power 1200RPM Closed	College/University	262	Y		7.5 Horse Power	none	Per Motor	NA	13514
Motors	7.5 Horse Power 1200RPM Closed	Medical	262	Y		7.5 Horse Power	none	Per Motor	NA	906
Motors	7.5 Horse Power 1200RPM Closed	Medical	262	Y		7.5 Horse Power	none	Per Motor	NA	11835
Motors	7.5 Horse Power 1200RPM Closed	Medical	262	Y		7.5 Horse Power	none	Per Motor	NA	13515
Motors	7.5 Horse Power 1200RPM Closed	Office	262	Y		7.5 Horse Power	none	Per Motor	NA	1020
Motors	7.5 Horse Power 1200RPM Closed	Office	262	Y		7.5 Horse Power	none	Per Motor	NA	11836
Motors	7.5 Horse Power 1200RPM Closed	Office	262	Y		7.5 Horse Power	none	Per Motor	NA	13516
Motors	7.5 Horse Power 1200RPM Closed	School	262	Y		7.5 Horse Power	none	Per Motor	NA	1196
Motors	7.5 Horse Power 1200RPM Closed	School	262	Y		7.5 Horse Power	none	Per Motor	NA	11837
Motors	7.5 Horse Power 1200RPM Closed	School	262	Y		7.5 Horse Power	none	Per Motor	NA	13517
Motors	7.5 Horse Power 1200RPM Open	College/University	303	Y		7.5 Horse Power	none	Per Motor	NA	729
Motors	7.5 Horse Power 1200RPM Open	College/University	303	Y		7.5 Horse Power	none	Per Motor	NA	11825
Motors	7.5 Horse Power 1200RPM Open	College/University	303	Y		7.5 Horse Power	none	Per Motor	NA	13505
Motors	7.5 Horse Power 1200RPM Open	Medical	303	Y		7.5 Horse Power	none	Per Motor	NA	905
Motors	7.5 Horse Power 1200RPM Open	Medical	303	Y		7.5 Horse Power	none	Per Motor	NA	11826
Motors	7.5 Horse Power 1200RPM Open	Medical	303	Y		7.5 Horse Power	none	Per Motor	NA	13506
Motors	7.5 Horse Power 1200RPM Open	Office	303	Y		7.5 Horse Power	none	Per Motor	NA	1019
Motors	7.5 Horse Power 1200RPM Open	Office	303	Y		7.5 Horse Power	none	Per Motor	NA	11827
Motors	7.5 Horse Power 1200RPM Open	Office	303	Y		7.5 Horse Power	none	Per Motor	NA	13507
Motors	7.5 Horse Power 1200RPM Open	School	303	Y		7.5 Horse Power	none	Per Motor	NA	1195
Motors	7.5 Horse Power 1200RPM Open	School	303	Y		7.5 Horse Power	none	Per Motor	NA	11828
Motors	7.5 Horse Power 1200RPM Open	School	303	Y		7.5 Horse Power	none	Per Motor	NA	13508
Motors	7.5 Horse Power 1800RPM Closed	College/University	381	Y		7.5 Horse Power	none	Per Motor	NA	728
Motors	7.5 Horse Power 1800RPM Closed	College/University	381	Y		7.5 Horse Power	none	Per Motor	NA	11816
Motors	7.5 Horse Power 1800RPM Closed	College/University	381	Y		7.5 Horse Power	none	Per Motor	NA	13496
Motors	7.5 Horse Power 1800RPM Closed	Medical	381	Y		7.5 Horse Power	none	Per Motor	NA	904
Motors	7.5 Horse Power 1800RPM Closed	Medical	381	Y		7.5 Horse Power	none	Per Motor	NA	11817
Motors	7.5 Horse Power 1800RPM Closed	Medical	381	Y		7.5 Horse Power	none	Per Motor	NA	13497
Motors	7.5 Horse Power 1800RPM Closed	Office	381	Y		7.5 Horse Power	none	Per Motor	NA	1018
Motors	7.5 Horse Power 1800RPM Closed	Office	381	Y		7.5 Horse Power	none	Per Motor	NA	11818
Motors	7.5 Horse Power 1800RPM Closed	Office	381	Y		7.5 Horse Power	none	Per Motor	NA	13498
Motors	7.5 Horse Power 1800RPM Closed	School	381	Y		7.5 Horse Power	none	Per Motor	NA	1194
Motors	7.5 Horse Power 1800RPM Closed	School	381	Y		7.5 Horse Power	none	Per Motor	NA	11819
Motors	7.5 Horse Power 1800RPM Closed	School	381	Y		7.5 Horse Power	none	Per Motor	NA	13499
Motors	7.5 Horse Power 1800RPM Open	College/University	442	Y		7.5 Horse Power	none	Per Motor	NA	727

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Motors	7.5 Horse Power 1800RPM Open	College/University	442	Y		7.5 Horse Power	none	Per Motor	NA	11807
Motors	7.5 Horse Power 1800RPM Open	College/University	442	Y		7.5 Horse Power	none	Per Motor	NA	13487
Motors	7.5 Horse Power 1800RPM Open	Medical	442	Y		7.5 Horse Power	none	Per Motor	NA	903
Motors	7.5 Horse Power 1800RPM Open	Medical	442	Y		7.5 Horse Power	none	Per Motor	NA	11808
Motors	7.5 Horse Power 1800RPM Open	Medical	442	Y		7.5 Horse Power	none	Per Motor	NA	13488
Motors	7.5 Horse Power 1800RPM Open	Office	442	Y		7.5 Horse Power	none	Per Motor	NA	1017
Motors	7.5 Horse Power 1800RPM Open	Office	442	Y		7.5 Horse Power	none	Per Motor	NA	11809
Motors	7.5 Horse Power 1800RPM Open	Office	442	Y		7.5 Horse Power	none	Per Motor	NA	13489
Motors	7.5 Horse Power 1800RPM Open	School	442	Y		7.5 Horse Power	none	Per Motor	NA	1193
Motors	7.5 Horse Power 1800RPM Open	School	442	Y		7.5 Horse Power	none	Per Motor	NA	11810
Motors	7.5 Horse Power 1800RPM Open	School	442	Y		7.5 Horse Power	none	Per Motor	NA	13490
Motors	7.5 Horse Power 3600RPM Closed	College/University	180	Y		7.5 Horse Power	none	Per Motor	NA	726
Motors	7.5 Horse Power 3600RPM Closed	College/University	180	Y		7.5 Horse Power	none	Per Motor	NA	11798
Motors	7.5 Horse Power 3600RPM Closed	College/University	180	Y		7.5 Horse Power	none	Per Motor	NA	13478
Motors	7.5 Horse Power 3600RPM Closed	Medical	180	Y		7.5 Horse Power	none	Per Motor	NA	902
Motors	7.5 Horse Power 3600RPM Closed	Medical	180	Y		7.5 Horse Power	none	Per Motor	NA	11799
Motors	7.5 Horse Power 3600RPM Closed	Medical	180	Y		7.5 Horse Power	none	Per Motor	NA	13479
Motors	7.5 Horse Power 3600RPM Closed	Office	180	Y		7.5 Horse Power	none	Per Motor	NA	1016
Motors	7.5 Horse Power 3600RPM Closed	Office	180	Y		7.5 Horse Power	none	Per Motor	NA	11800
Motors	7.5 Horse Power 3600RPM Closed	Office	180	Y		7.5 Horse Power	none	Per Motor	NA	13480
Motors	7.5 Horse Power 3600RPM Closed	School	180	Y		7.5 Horse Power	none	Per Motor	NA	1192
Motors	7.5 Horse Power 3600RPM Closed	School	180	Y		7.5 Horse Power	none	Per Motor	NA	11801
Motors	7.5 Horse Power 3600RPM Closed	School	180	Y		7.5 Horse Power	none	Per Motor	NA	13481
Motors	7.5 Horse Power 3600RPM Open	College/University	184	Y		7.5 Horse Power	none	Per Motor	NA	725
Motors	7.5 Horse Power 3600RPM Open	College/University	184	Y		7.5 Horse Power	none	Per Motor	NA	11789
Motors	7.5 Horse Power 3600RPM Open	College/University	184	Y		7.5 Horse Power	none	Per Motor	NA	13469
Motors	7.5 Horse Power 3600RPM Open	Medical	184	Y		7.5 Horse Power	none	Per Motor	NA	901
Motors	7.5 Horse Power 3600RPM Open	Medical	184	Y		7.5 Horse Power	none	Per Motor	NA	11790
Motors	7.5 Horse Power 3600RPM Open	Medical	184	Y		7.5 Horse Power	none	Per Motor	NA	13470
Motors	7.5 Horse Power 3600RPM Open	Office	184	Y		7.5 Horse Power	none	Per Motor	NA	1015
Motors	7.5 Horse Power 3600RPM Open	Office	184	Y		7.5 Horse Power	none	Per Motor	NA	11791
Motors	7.5 Horse Power 3600RPM Open	Office	184	Y		7.5 Horse Power	none	Per Motor	NA	13471
Motors	7.5 Horse Power 3600RPM Open	School	184	Y		7.5 Horse Power	none	Per Motor	NA	1191
Motors	7.5 Horse Power 3600RPM Open	School	184	Y		7.5 Horse Power	none	Per Motor	NA	11792
Motors	7.5 Horse Power 3600RPM Open	School	184	Y		7.5 Horse Power	none	Per Motor	NA	13472
Motors	75 Horse Power 1200RPM Closed	College/University	2275	Y		75 Horse Power	none	Per Motor	NA	784
Motors	75 Horse Power 1200RPM Closed	College/University	2275	Y		75 Horse Power	none	Per Motor	NA	12320
Motors	75 Horse Power 1200RPM Closed	College/University	2275	Y		75 Horse Power	none	Per Motor	NA	14000
Motors	75 Horse Power 1200RPM Closed	Medical	2275	Y		75 Horse Power	none	Per Motor	NA	960
Motors	75 Horse Power 1200RPM Closed	Medical	2275	Y		75 Horse Power	none	Per Motor	NA	12321
Motors	75 Horse Power 1200RPM Closed	Medical	2275	Y		75 Horse Power	none	Per Motor	NA	14001
Motors	75 Horse Power 1200RPM Closed	Office	2275	Y		75 Horse Power	none	Per Motor	NA	1074
Motors	75 Horse Power 1200RPM Closed	Office	2275	Y		75 Horse Power	none	Per Motor	NA	12322

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Motors	75 Horse Power 1200RPM Closed	Office	2275	Y		75 Horse Power	none	Per Motor	NA	14002
Motors	75 Horse Power 1200RPM Closed	School	2275	Y		75 Horse Power	none	Per Motor	NA	1250
Motors	75 Horse Power 1200RPM Closed	School	2275	Y		75 Horse Power	none	Per Motor	NA	12323
Motors	75 Horse Power 1200RPM Closed	School	2275	Y		75 Horse Power	none	Per Motor	NA	14003
Motors	75 Horse Power 1200RPM Open	College/University	2275	Y		75 Horse Power	none	Per Motor	NA	783
Motors	75 Horse Power 1200RPM Open	College/University	2275	Y		75 Horse Power	none	Per Motor	NA	12311
Motors	75 Horse Power 1200RPM Open	College/University	2275	Y		75 Horse Power	none	Per Motor	NA	13991
Motors	75 Horse Power 1200RPM Open	Medical	2275	Y		75 Horse Power	none	Per Motor	NA	959
Motors	75 Horse Power 1200RPM Open	Medical	2275	Y		75 Horse Power	none	Per Motor	NA	12312
Motors	75 Horse Power 1200RPM Open	Medical	2275	Y		75 Horse Power	none	Per Motor	NA	13992
Motors	75 Horse Power 1200RPM Open	Office	2275	Y		75 Horse Power	none	Per Motor	NA	1073
Motors	75 Horse Power 1200RPM Open	Office	2275	Y		75 Horse Power	none	Per Motor	NA	12313
Motors	75 Horse Power 1200RPM Open	Office	2275	Y		75 Horse Power	none	Per Motor	NA	13993
Motors	75 Horse Power 1200RPM Open	School	2275	Y		75 Horse Power	none	Per Motor	NA	1249
Motors	75 Horse Power 1200RPM Open	School	2275	Y		75 Horse Power	none	Per Motor	NA	12314
Motors	75 Horse Power 1200RPM Open	School	2275	Y		75 Horse Power	none	Per Motor	NA	13994
Motors	75 Horse Power 1800RPM Closed	College/University	3238	Y		75 Horse Power	none	Per Motor	NA	782
Motors	75 Horse Power 1800RPM Closed	College/University	3238	Y		75 Horse Power	none	Per Motor	NA	12302
Motors	75 Horse Power 1800RPM Closed	College/University	3238	Y		75 Horse Power	none	Per Motor	NA	13982
Motors	75 Horse Power 1800RPM Closed	Medical	3238	Y		75 Horse Power	none	Per Motor	NA	958
Motors	75 Horse Power 1800RPM Closed	Medical	3238	Y		75 Horse Power	none	Per Motor	NA	12303
Motors	75 Horse Power 1800RPM Closed	Medical	3238	Y		75 Horse Power	none	Per Motor	NA	13983
Motors	75 Horse Power 1800RPM Closed	Office	3238	Y		75 Horse Power	none	Per Motor	NA	1072
Motors	75 Horse Power 1800RPM Closed	Office	3238	Y		75 Horse Power	none	Per Motor	NA	12304
Motors	75 Horse Power 1800RPM Closed	Office	3238	Y		75 Horse Power	none	Per Motor	NA	13984
Motors	75 Horse Power 1800RPM Closed	School	3238	Y		75 Horse Power	none	Per Motor	NA	1248
Motors	75 Horse Power 1800RPM Closed	School	3238	Y		75 Horse Power	none	Per Motor	NA	12305
Motors	75 Horse Power 1800RPM Closed	School	3238	Y		75 Horse Power	none	Per Motor	NA	13985
Motors	75 Horse Power 1800RPM Open	College/University	2251	Y		75 Horse Power	none	Per Motor	NA	781
Motors	75 Horse Power 1800RPM Open	College/University	2251	Y		75 Horse Power	none	Per Motor	NA	12293
Motors	75 Horse Power 1800RPM Open	College/University	2251	Y		75 Horse Power	none	Per Motor	NA	13973
Motors	75 Horse Power 1800RPM Open	Medical	2251	Y		75 Horse Power	none	Per Motor	NA	957
Motors	75 Horse Power 1800RPM Open	Medical	2251	Y		75 Horse Power	none	Per Motor	NA	12294
Motors	75 Horse Power 1800RPM Open	Medical	2251	Y		75 Horse Power	none	Per Motor	NA	13974
Motors	75 Horse Power 1800RPM Open	Office	2251	Y		75 Horse Power	none	Per Motor	NA	1071
Motors	75 Horse Power 1800RPM Open	Office	2251	Y		75 Horse Power	none	Per Motor	NA	12295
Motors	75 Horse Power 1800RPM Open	Office	2251	Y		75 Horse Power	none	Per Motor	NA	13975
Motors	75 Horse Power 1800RPM Open	School	2251	Y		75 Horse Power	none	Per Motor	NA	1247
Motors	75 Horse Power 1800RPM Open	School	2251	Y		75 Horse Power	none	Per Motor	NA	12296
Motors	75 Horse Power 1800RPM Open	School	2251	Y		75 Horse Power	none	Per Motor	NA	13976
Motors	75 Horse Power 3600RPM Closed	College/University	1541	Y		75 Horse Power	none	Per Motor	NA	780
Motors	75 Horse Power 3600RPM Closed	College/University	1541	Y		75 Horse Power	none	Per Motor	NA	12284
Motors	75 Horse Power 3600RPM Closed	College/University	1541	Y		75 Horse Power	none	Per Motor	NA	13964

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Motors	75 Horse Power 3600RPM Closed	Medical	1541	Y		75 Horse Power	none	Per Motor	NA	956
Motors	75 Horse Power 3600RPM Closed	Medical	1541	Y		75 Horse Power	none	Per Motor	NA	12285
Motors	75 Horse Power 3600RPM Closed	Medical	1541	Y		75 Horse Power	none	Per Motor	NA	13965
Motors	75 Horse Power 3600RPM Closed	Office	1541	Y		75 Horse Power	none	Per Motor	NA	1070
Motors	75 Horse Power 3600RPM Closed	Office	1541	Y		75 Horse Power	none	Per Motor	NA	12286
Motors	75 Horse Power 3600RPM Closed	Office	1541	Y		75 Horse Power	none	Per Motor	NA	13966
Motors	75 Horse Power 3600RPM Closed	School	1541	Y		75 Horse Power	none	Per Motor	NA	1246
Motors	75 Horse Power 3600RPM Closed	School	1541	Y		75 Horse Power	none	Per Motor	NA	12287
Motors	75 Horse Power 3600RPM Closed	School	1541	Y		75 Horse Power	none	Per Motor	NA	13967
Motors	75 Horse Power 3600RPM Open	College/University	1541	Y		75 Horse Power	none	Per Motor	NA	779
Motors	75 Horse Power 3600RPM Open	College/University	1541	Y		75 Horse Power	none	Per Motor	NA	12275
Motors	75 Horse Power 3600RPM Open	College/University	1541	Y		75 Horse Power	none	Per Motor	NA	13955
Motors	75 Horse Power 3600RPM Open	Medical	1541	Y		75 Horse Power	none	Per Motor	NA	955
Motors	75 Horse Power 3600RPM Open	Medical	1541	Y		75 Horse Power	none	Per Motor	NA	12276
Motors	75 Horse Power 3600RPM Open	Medical	1541	Y		75 Horse Power	none	Per Motor	NA	13956
Motors	75 Horse Power 3600RPM Open	Office	1541	Y		75 Horse Power	none	Per Motor	NA	1069
Motors	75 Horse Power 3600RPM Open	Office	1541	Y		75 Horse Power	none	Per Motor	NA	12277
Motors	75 Horse Power 3600RPM Open	Office	1541	Y		75 Horse Power	none	Per Motor	NA	13957
Motors	75 Horse Power 3600RPM Open	School	1541	Y		75 Horse Power	none	Per Motor	NA	1245
Motors	75 Horse Power 3600RPM Open	School	1541	Y		75 Horse Power	none	Per Motor	NA	12278
Motors	75 Horse Power 3600RPM Open	School	1541	Y		75 Horse Power	none	Per Motor	NA	13958
Other	Administrative Adjustment	College/University	0	N		NA	none	Per Unit	NA	2474
Other	Administrative Adjustment	College/University	0	N		NA	none	Per Unit	NA	12563
Other	Administrative Adjustment	College/University	0	N		NA	none	Per Unit	NA	14243
Other	Administrative Adjustment	Medical	0	N		NA	none	Per Unit	NA	2475
Other	Administrative Adjustment	Medical	0	N		NA	none	Per Unit	NA	12564
Other	Administrative Adjustment	Medical	0	N		NA	none	Per Unit	NA	14244
Other	Administrative Adjustment	Office	0	N		NA	none	Per Unit	NA	2476
Other	Administrative Adjustment	Office	0	N		NA	none	Per Unit	NA	12565
Other	Administrative Adjustment	Office	0	N		NA	none	Per Unit	NA	14245
Other	Administrative Adjustment	School	0	N		NA	none	Per Unit	NA	2477
Other	Administrative Adjustment	School	0	N		NA	none	Per Unit	NA	12566
Other	Administrative Adjustment	School	0	N		NA	none	Per Unit	NA	14246
Promotion	GreenSpring Promotion	College/University	0	N		NA	none	Per Unit	NA	2483
Promotion	GreenSpring Promotion	College/University	0	N		NA	none	Per Unit	NA	12572
Promotion	GreenSpring Promotion	College/University	0	N		NA	none	Per Unit	NA	14252
Promotion	GreenSpring Promotion	Medical	0	N		NA	none	Per Unit	NA	2484
Promotion	GreenSpring Promotion	Medical	0	N		NA	none	Per Unit	NA	12573
Promotion	GreenSpring Promotion	Medical	0	N		NA	none	Per Unit	NA	14253
Promotion	GreenSpring Promotion	Office	0	N		NA	none	Per Unit	NA	2485
Promotion	GreenSpring Promotion	Office	0	N		NA	none	Per Unit	NA	12574
Promotion	GreenSpring Promotion	Office	0	N		NA	none	Per Unit	NA	14254
Promotion	GreenSpring Promotion	School	0	N		NA	none	Per Unit	NA	2486

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Promotion	GreenSpring Promotion	School	0	N		NA	none	Per Unit	NA	12575
Promotion	GreenSpring Promotion	School	0	N		NA	none	Per Unit	NA	14255
Refrigeration	> 1500 lbs/24 hours Qualifying kWh per 100lbs 4.6	College/University	5585	Y		High Efficiency Ice Makers	none	Per Unit	NA	1877
Refrigeration	> 1500 lbs/24 hours Qualifying kWh per 100lbs 4.6	College/University	5585	Y		High Efficiency Ice Makers	none	Per Unit	NA	11510
Refrigeration	> 1500 lbs/24 hours Qualifying kWh per 100lbs 4.6	College/University	5585	Y		High Efficiency Ice Makers	none	Per Unit	NA	13190
Refrigeration	> 1500 lbs/24 hours Qualifying kWh per 100lbs 4.6	Medical	5585	Y		High Efficiency Ice Makers	none	Per Unit	NA	1878
Refrigeration	> 1500 lbs/24 hours Qualifying kWh per 100lbs 4.6	Medical	5585	Y		High Efficiency Ice Makers	none	Per Unit	NA	11511
Refrigeration	> 1500 lbs/24 hours Qualifying kWh per 100lbs 4.6	Medical	5585	Y		High Efficiency Ice Makers	none	Per Unit	NA	13191
Refrigeration	> 1500 lbs/24 hours Qualifying kWh per 100lbs 4.6	Office	5585	Y		High Efficiency Ice Makers	none	Per Unit	NA	1879
Refrigeration	> 1500 lbs/24 hours Qualifying kWh per 100lbs 4.6	Office	5585	Y		High Efficiency Ice Makers	none	Per Unit	NA	11512
Refrigeration	> 1500 lbs/24 hours Qualifying kWh per 100lbs 4.6	Office	5585	Y		High Efficiency Ice Makers	none	Per Unit	NA	13192
Refrigeration	> 1500 lbs/24 hours Qualifying kWh per 100lbs 4.6	School	5585	Y		High Efficiency Ice Makers	none	Per Unit	NA	1880
Refrigeration	> 1500 lbs/24 hours Qualifying kWh per 100lbs 4.6	School	5585	Y		High Efficiency Ice Makers	none	Per Unit	NA	11513
Refrigeration	> 1500 lbs/24 hours Qualifying kWh per 100lbs 4.6	School	5585	Y		High Efficiency Ice Makers	none	Per Unit	NA	13193
Refrigeration	1001/1500 lbs/24 hours Qualifying kWh per 100lbs 5	College/University	5019	Y		High Efficiency Ice Makers	none	Lamp	NA	1868
Refrigeration	1001/1500 lbs/24 hours Qualifying kWh per 100lbs 5	College/University	5019	Y		High Efficiency Ice Makers	none	Lamp	NA	11501
Refrigeration	1001/1500 lbs/24 hours Qualifying kWh per 100lbs 5	College/University	5019	Y		High Efficiency Ice Makers	none	Lamp	NA	13181
Refrigeration	1001/1500 lbs/24 hours Qualifying kWh per 100lbs 5	Medical	5019	Y		High Efficiency Ice Makers	none	Lamp	NA	1869
Refrigeration	1001/1500 lbs/24 hours Qualifying kWh per 100lbs 5	Medical	5019	Y		High Efficiency Ice Makers	none	Lamp	NA	11502
Refrigeration	1001/1500 lbs/24 hours Qualifying kWh per 100lbs 5	Medical	5019	Y		High Efficiency Ice Makers	none	Lamp	NA	13182
Refrigeration	1001/1500 lbs/24 hours Qualifying kWh per 100lbs 5	Office	5019	Y		High Efficiency Ice Makers	none	Lamp	NA	1870
Refrigeration	1001/1500 lbs/24 hours Qualifying kWh per 100lbs 5	Office	5019	Y		High Efficiency Ice Makers	none	Lamp	NA	11503

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Refrigeration	1001/1500 lbs/24 hours Qualifying kWh per 100lbs 5	Office	5019	Y		High Efficiency Ice Makers	none	Lamp	NA	13183
Refrigeration	1001/1500 lbs/24 hours Qualifying kWh per 100lbs 5	School	5019	Y		High Efficiency Ice Makers	none	Lamp	NA	1871
Refrigeration	1001/1500 lbs/24 hours Qualifying kWh per 100lbs 5	School	5019	Y		High Efficiency Ice Makers	none	Lamp	NA	11504
Refrigeration	1001/1500 lbs/24 hours Qualifying kWh per 100lbs 5	School	5019	Y		High Efficiency Ice Makers	none	Lamp	NA	13184
Refrigeration	101-200 lbs/24 hours Qualifying kWh per 100lbs 8.5	College/University	1029	Y		High Efficiency Ice Makers	none	Per Unit	NA	1823
Refrigeration	101-200 lbs/24 hours Qualifying kWh per 100lbs 8.5	College/University	1029	Y		High Efficiency Ice Makers	none	Per Unit	NA	11456
Refrigeration	101-200 lbs/24 hours Qualifying kWh per 100lbs 8.5	College/University	1029	Y		High Efficiency Ice Makers	none	Per Unit	NA	13136
Refrigeration	101-200 lbs/24 hours Qualifying kWh per 100lbs 8.5	Medical	1029	Y		High Efficiency Ice Makers	none	Per Unit	NA	1824
Refrigeration	101-200 lbs/24 hours Qualifying kWh per 100lbs 8.5	Medical	1029	Y		High Efficiency Ice Makers	none	Per Unit	NA	11457
Refrigeration	101-200 lbs/24 hours Qualifying kWh per 100lbs 8.5	Medical	1029	Y		High Efficiency Ice Makers	none	Per Unit	NA	13137
Refrigeration	101-200 lbs/24 hours Qualifying kWh per 100lbs 8.5	Office	1029	Y		High Efficiency Ice Makers	none	Per Unit	NA	1825
Refrigeration	101-200 lbs/24 hours Qualifying kWh per 100lbs 8.5	Office	1029	Y		High Efficiency Ice Makers	none	Per Unit	NA	11458
Refrigeration	101-200 lbs/24 hours Qualifying kWh per 100lbs 8.5	Office	1029	Y		High Efficiency Ice Makers	none	Per Unit	NA	13138
Refrigeration	101-200 lbs/24 hours Qualifying kWh per 100lbs 8.5	School	1029	Y		High Efficiency Ice Makers	none	Per Unit	NA	1826
Refrigeration	101-200 lbs/24 hours Qualifying kWh per 100lbs 8.5	School	1029	Y		High Efficiency Ice Makers	none	Per Unit	NA	11459
Refrigeration	101-200 lbs/24 hours Qualifying kWh per 100lbs 8.5	School	1029	Y		High Efficiency Ice Makers	none	Per Unit	NA	13139
Refrigeration	201-300 lbs/24 hours Qualifying kWh per 100lbs 7.7	College/University	1551	Y		High Efficiency Ice Makers	none	Per Unit	NA	1832
Refrigeration	201-300 lbs/24 hours Qualifying kWh per 100lbs 7.7	College/University	1551	Y		High Efficiency Ice Makers	none	Per Unit	NA	11465
Refrigeration	201-300 lbs/24 hours Qualifying kWh per 100lbs 7.7	College/University	1551	Y		High Efficiency Ice Makers	none	Per Unit	NA	13145
Refrigeration	201-300 lbs/24 hours Qualifying kWh per 100lbs 7.7	Medical	1551	Y		High Efficiency Ice Makers	none	Per Unit	NA	1833
Refrigeration	201-300 lbs/24 hours Qualifying kWh per 100lbs 7.7	Medical	1551	Y		High Efficiency Ice Makers	none	Per Unit	NA	11466

IncentiveType Description	Description	Applicant	KWh per unit DCEO default	Same as ComEd ? (Y/N)	ComEd Default Year (blank if =ComEd PY3 default value)	IncentiveSubType Description	SizeCategory Description	UnitOfMeasure Description	Efficiency Description	SavingsMeasureId
Refrigeration	201-300 lbs/24 hours Qualifying kWh per 100lbs 7.7	Medical	1551	Y		High Efficiency Ice Makers	none	Per Unit	NA	13146
Refrigeration	201-300 lbs/24 hours Qualifying kWh per 100lbs 7.7	Office	1551	Y		High Efficiency Ice Makers	none	Per Unit	NA	1834
Refrigeration	201-300 lbs/24 hours Qualifying kWh per 100lbs 7.7	Office	1551	Y		High Efficiency Ice Makers	none	Per Unit	NA	11467
Refrigeration	201-300 lbs/24 hours Qualifying kWh per 100lbs 7.7	Office	1551	Y		High Efficiency Ice Makers	none	Per Unit	NA	13147
Refrigeration	201-300 lbs/24 hours Qualifying kWh per 100lbs 7.7	School	1551	Y		High Efficiency Ice Makers	none	Per Unit	NA	1835
Refrigeration	201-300 lbs/24 hours Qualifying kWh per 100lbs 7.7	School	1551	Y		High Efficiency Ice Makers	none	Per Unit	NA	11468
Refrigeration	201-300 lbs/24 hours Qualifying kWh per 100lbs 7.7	School	1551	Y		High Efficiency Ice Makers	none	Per Unit	NA	13148
Refrigeration	301-400 lbs/24 hours Qualifying kWh per 100lbs 6.5	College/University	1840	Y		High Efficiency Ice Makers	none	Per Unit	NA	1841
Refrigeration	301-400 lbs/24 hours Qualifying kWh per 100lbs 6.5	College/University	1840	Y		High Efficiency Ice Makers	none	Per Unit	NA	11474
Refrigeration	301-400 lbs/24 hours Qualifying kWh per 100lbs 6.5	College/University	1840	Y		High Efficiency Ice Makers	none	Per Unit	NA	13154
Refrigeration	301-400 lbs/24 hours Qualifying kWh per 100lbs 6.5	Medical	1840	Y		High Efficiency Ice Makers	none	Per Unit	NA	1842
Refrigeration	301-400 lbs/24 hours Qualifying kWh per 100lbs 6.5	Medical	1840	Y		High Efficiency Ice Makers	none	Per Unit	NA	11475
Refrigeration	301-400 lbs/24 hours Qualifying kWh per 100lbs 6.5	Medical	1840	Y		High Efficiency Ice Makers	none	Per Unit	NA	13155
Refrigeration	301-400 lbs/24 hours Qualifying kWh per 100lbs 6.5	Office	1840	Y		High Efficiency Ice Makers	none	Per Unit	NA	1843
Refrigeration	301-400 lbs/24 hours Qualifying kWh per 100lbs 6.5	Office	1840	Y		High Efficiency Ice Makers	none	Per Unit	NA	11476
Refrigeration	301-400 lbs/24 hours Qualifying kWh per 100lbs 6.5	Office	1840	Y		High Efficiency Ice Makers	none	Per Unit	NA	13156
Refrigeration	301-400 lbs/24 hours Qualifying kWh per 100lbs 6.5	School	1840	Y		High Efficiency Ice Makers	none	Per Unit	NA	1844
Refrigeration	301-400 lbs/24 hours Qualifying kWh per 100lbs 6.5	School	1840	Y		High Efficiency Ice Makers	none	Per Unit	NA	11477
Refrigeration	301-400 lbs/24 hours Qualifying kWh per 100lbs 6.5	School	1840	Y		High Efficiency Ice Makers	none	Per Unit	NA	13157
Refrigeration	401-500 lbs/24 hours Qualifying kWh per 100lbs 5.5	College/University	2004	Y		High Efficiency Ice Makers	none	Per Unit	NA	1850
Refrigeration	401-500 lbs/24 hours Qualifying kWh per 100lbs 5.5	College/University	2004	Y		High Efficiency Ice Makers	none	Per Unit	NA	11483

IncentiveType Description	Description	Applicant	KWh per unit DCEO default	Same as ComEd ? (Y/N)	ComEd Default Year (blank if =ComEd PY3 default value)	IncentiveSubType Description	SizeCategory Description	UnitOfMeasure Description	Efficiency Description	SavingsMeasureId
Refrigeration	401-500 lbs/24 hours Qualifying kWh per 100lbs 5.5	College/University	2004	Y		High Efficiency Ice Makers	none	Per Unit	NA	13163
Refrigeration	401-500 lbs/24 hours Qualifying kWh per 100lbs 5.5	Medical	2004	Y		High Efficiency Ice Makers	none	Per Unit	NA	1851
Refrigeration	401-500 lbs/24 hours Qualifying kWh per 100lbs 5.5	Medical	2004	Y		High Efficiency Ice Makers	none	Per Unit	NA	11484
Refrigeration	401-500 lbs/24 hours Qualifying kWh per 100lbs 5.5	Medical	2004	Y		High Efficiency Ice Makers	none	Per Unit	NA	13164
Refrigeration	401-500 lbs/24 hours Qualifying kWh per 100lbs 5.5	Office	2004	Y		High Efficiency Ice Makers	none	Per Unit	NA	1852
Refrigeration	401-500 lbs/24 hours Qualifying kWh per 100lbs 5.5	Office	2004	Y		High Efficiency Ice Makers	none	Per Unit	NA	11485
Refrigeration	401-500 lbs/24 hours Qualifying kWh per 100lbs 5.5	Office	2004	Y		High Efficiency Ice Makers	none	Per Unit	NA	13165
Refrigeration	401-500 lbs/24 hours Qualifying kWh per 100lbs 5.5	School	2004	Y		High Efficiency Ice Makers	none	Per Unit	NA	1853
Refrigeration	401-500 lbs/24 hours Qualifying kWh per 100lbs 5.5	School	2004	Y		High Efficiency Ice Makers	none	Per Unit	NA	11486
Refrigeration	401-500 lbs/24 hours Qualifying kWh per 100lbs 5.5	School	2004	Y		High Efficiency Ice Makers	none	Per Unit	NA	13166
Refrigeration	501-1000 lbs/24 hours Qualifying kWh per 100lbs 5.2	College/University	3176	Y		High Efficiency Ice Makers	none	Per Unit	NA	1859
Refrigeration	501-1000 lbs/24 hours Qualifying kWh per 100lbs 5.2	College/University	3176	Y		High Efficiency Ice Makers	none	Per Unit	NA	11492
Refrigeration	501-1000 lbs/24 hours Qualifying kWh per 100lbs 5.2	College/University	3176	Y		High Efficiency Ice Makers	none	Per Unit	NA	13172
Refrigeration	501-1000 lbs/24 hours Qualifying kWh per 100lbs 5.2	Medical	3176	Y		High Efficiency Ice Makers	none	Per Unit	NA	1860
Refrigeration	501-1000 lbs/24 hours Qualifying kWh per 100lbs 5.2	Medical	3176	Y		High Efficiency Ice Makers	none	Per Unit	NA	11493
Refrigeration	501-1000 lbs/24 hours Qualifying kWh per 100lbs 5.2	Medical	3176	Y		High Efficiency Ice Makers	none	Per Unit	NA	13173
Refrigeration	501-1000 lbs/24 hours Qualifying kWh per 100lbs 5.2	Office	3176	Y		High Efficiency Ice Makers	none	Per Unit	NA	1861
Refrigeration	501-1000 lbs/24 hours Qualifying kWh per 100lbs 5.2	Office	3176	Y		High Efficiency Ice Makers	none	Per Unit	NA	11494
Refrigeration	501-1000 lbs/24 hours Qualifying kWh per 100lbs 5.2	Office	3176	Y		High Efficiency Ice Makers	none	Per Unit	NA	13174
Refrigeration	501-1000 lbs/24 hours Qualifying kWh per 100lbs 5.2	School	3176	Y		High Efficiency Ice Makers	none	Per Unit	NA	1862
Refrigeration	501-1000 lbs/24 hours Qualifying kWh per 100lbs 5.2	School	3176	Y		High Efficiency Ice Makers	none	Per Unit	NA	11495

IncentiveType Description	Description	Applicant	KWh per unit DCEO default	Same as ComEd ? (Y/N)	ComEd Default Year (blank if =ComEd PY3 default value)	IncentiveSubType Description	SizeCategory Description	UnitOfMeasure Description	Efficiency Description	SavingsMeasureId
Refrigeration	501-1000 lbs/24 hours Qualifying kWh per 100lbs 5.2	School	3176	Y		High Efficiency Ice Makers	none	Per Unit	NA	13175
Refrigeration	Anti-Sweat Heater Control	College/University	402	Y		Refrigeration Measures	none	Per Square Foot	NA	1733
Refrigeration	Anti-Sweat Heater Control	College/University	402	Y		Refrigeration Measures	none	Per Square Foot	NA	11366
Refrigeration	Anti-Sweat Heater Control	College/University	402	Y		Refrigeration Measures	none	Per Square Foot	NA	13046
Refrigeration	Anti-Sweat Heater Control	Medical	402	Y		Refrigeration Measures	none	Per Square Foot	NA	1734
Refrigeration	Anti-Sweat Heater Control	Medical	402	Y		Refrigeration Measures	none	Per Square Foot	NA	11367
Refrigeration	Anti-Sweat Heater Control	Medical	402	Y		Refrigeration Measures	none	Per Square Foot	NA	13047
Refrigeration	Anti-Sweat Heater Control	Office	402	Y		Refrigeration Measures	none	Per Square Foot	NA	1735
Refrigeration	Anti-Sweat Heater Control	Office	402	Y		Refrigeration Measures	none	Per Square Foot	NA	11368
Refrigeration	Anti-Sweat Heater Control	Office	402	Y		Refrigeration Measures	none	Per Square Foot	NA	13048
Refrigeration	Anti-Sweat Heater Control	School	402	Y		Refrigeration Measures	none	Per Square Foot	NA	1736
Refrigeration	Anti-Sweat Heater Control	School	402	Y		Refrigeration Measures	none	Per Square Foot	NA	11369
Refrigeration	Anti-Sweat Heater Control	School	402	Y		Refrigeration Measures	none	Per Square Foot	NA	13049
Refrigeration	Automatic Door Closers for Walk-in Freezers	College/University	2307	Y		Refrigeration Measures	none	Per Door	NA	1778
Refrigeration	Automatic Door Closers for Walk-in Freezers	College/University	2307	Y		Refrigeration Measures	none	Per Door	NA	11411
Refrigeration	Automatic Door Closers for Walk-in Freezers	College/University	2307	Y		Refrigeration Measures	none	Per Door	NA	13091
Refrigeration	Automatic Door Closers for Walk-in Freezers	Medical	2307	Y		Refrigeration Measures	none	Per Door	NA	1779
Refrigeration	Automatic Door Closers for Walk-in Freezers	Medical	2307	Y		Refrigeration Measures	none	Per Door	NA	11412
Refrigeration	Automatic Door Closers for Walk-in Freezers	Medical	2307	Y		Refrigeration Measures	none	Per Door	NA	13092
Refrigeration	Automatic Door Closers for Walk-in Freezers	Office	2307	Y		Refrigeration Measures	none	Per Door	NA	1780
Refrigeration	Automatic Door Closers for Walk-in Freezers	Office	2307	Y		Refrigeration Measures	none	Per Door	NA	11413
Refrigeration	Automatic Door Closers for Walk-in Freezers	Office	2307	Y		Refrigeration Measures	none	Per Door	NA	13093
Refrigeration	Automatic Door Closers for Walk-in Freezers	School	2307	Y		Refrigeration Measures	none	Per Door	NA	1781
Refrigeration	Automatic Door Closers for Walk-in Freezers	School	2307	Y		Refrigeration Measures	none	Per Door	NA	11414
Refrigeration	Automatic Door Closers for Walk-in Freezers	School	2307	Y		Refrigeration Measures	none	Per Door	NA	13094
Refrigeration	Beverage Machine Control	College/University	1612	Y		Refrigeration Measures	none	Per Unit	NA	1787
Refrigeration	Beverage Machine Control	College/University	1612	Y		Refrigeration Measures	none	Per Unit	NA	11420
Refrigeration	Beverage Machine Control	College/University	1612	Y		Refrigeration Measures	none	Per Unit	NA	13100
Refrigeration	Beverage Machine Control	Medical	1612	Y		Refrigeration Measures	none	Per Unit	NA	1788
Refrigeration	Beverage Machine Control	Medical	1612	Y		Refrigeration Measures	none	Per Unit	NA	11421

IncentiveType Description	Description	Applicant	KWh per unit DCEO default	Same as ComEd ? (Y/N)	ComEd Default Year (blank if =ComEd PY3 default value)	IncentiveSubType Description	SizeCategory Description	UnitOfMeasure Description	Efficiency Description	SavingsMeasureId
Refrigeration	Beverage Machine Control	Medical	1612	Y		Refrigeration Measures	none	Per Unit	NA	13101
Refrigeration	Beverage Machine Control	Office	1612	Y		Refrigeration Measures	none	Per Unit	NA	1789
Refrigeration	Beverage Machine Control	Office	1612	Y		Refrigeration Measures	none	Per Unit	NA	11422
Refrigeration	Beverage Machine Control	Office	1612	Y		Refrigeration Measures	none	Per Unit	NA	13102
Refrigeration	Beverage Machine Control	School	1612	Y		Refrigeration Measures	none	Per Unit	NA	1790
Refrigeration	Beverage Machine Control	School	1612	Y		Refrigeration Measures	none	Per Unit	NA	11423
Refrigeration	Beverage Machine Control	School	1612	Y		Refrigeration Measures	none	Per Unit	NA	13103
Refrigeration	EC Motor for Reach-in	College/University	344	Y		Refrigeration Measures	none	Per Motor	NA	1751
Refrigeration	EC Motor for Reach-In	College/University	344	Y		Refrigeration Measures	none	Per Motor	NA	11384
Refrigeration	EC Motor for Reach-In	College/University	344	Y		Refrigeration Measures	none	Per Motor	NA	13064
Refrigeration	EC Motor for Reach-in	Medical	344	Y		Refrigeration Measures	none	Per Motor	NA	1752
Refrigeration	EC Motor for Reach-in	Medical	344	Y		Refrigeration Measures	none	Per Motor	NA	11385
Refrigeration	EC Motor for Reach-in	Medical	344	Y		Refrigeration Measures	none	Per Motor	NA	13065
Refrigeration	EC Motor for Reach-In	Office	344	Y		Refrigeration Measures	none	Per Motor	NA	1753
Refrigeration	EC Motor for Reach-in	Office	344	Y		Refrigeration Measures	none	Per Motor	NA	11386
Refrigeration	EC Motor for Reach-in	Office	344	Y		Refrigeration Measures	none	Per Motor	NA	13066
Refrigeration	EC Motor for Reach-in	School	344	Y		Refrigeration Measures	none	Per Motor	NA	1754
Refrigeration	EC Motor for Reach-in	School	344	Y		Refrigeration Measures	none	Per Motor	NA	11387
Refrigeration	EC Motor for Reach-in	School	344	Y		Refrigeration Measures	none	Per Motor	NA	13067
Refrigeration	EC motor for Walk-in	College/University	401	Y		Refrigeration Measures	none	Per Motor	NA	1742
Refrigeration	EC motor for Walk-in	College/University	401	Y		Refrigeration Measures	none	Per Motor	NA	11375
Refrigeration	EC motor for Walk-in	College/University	401	Y		Refrigeration Measures	none	Per Motor	NA	13055
Refrigeration	EC motor for Walk-in	Medical	401	Y		Refrigeration Measures	none	Per Motor	NA	1743
Refrigeration	EC motor for Walk-in	Medical	401	Y		Refrigeration Measures	none	Per Motor	NA	11376
Refrigeration	EC motor for Walk-in	Medical	401	Y		Refrigeration Measures	none	Per Motor	NA	13056
Refrigeration	EC motor for Walk-in	Office	401	Y		Refrigeration Measures	none	Per Motor	NA	1744
Refrigeration	EC motor for Walk-in	Office	401	Y		Refrigeration Measures	none	Per Motor	NA	11377
Refrigeration	EC motor for Walk-in	Office	401	Y		Refrigeration Measures	none	Per Motor	NA	13057
Refrigeration	EC motor for Walk-in	School	401	Y		Refrigeration Measures	none	Per Motor	NA	1745
Refrigeration	EC motor for Walk-in	School	401	Y		Refrigeration Measures	none	Per Motor	NA	11378
Refrigeration	EC motor for Walk-in	School	401	Y		Refrigeration Measures	none	Per Motor	NA	13058
Refrigeration	ENERGY STAR Vending Machine	College/University	1576	Y		Refrigeration Measures	none	Per Unit	NA	1805
Refrigeration	ENERGY STAR Vending Machine	College/University	1576	Y		Refrigeration Measures	none	Per Unit	NA	11438
Refrigeration	ENERGY STAR Vending Machine	College/University	1576	Y		Refrigeration Measures	none	Per Unit	NA	13118
Refrigeration	ENERGY STAR Vending Machine	Medical	1576	Y		Refrigeration Measures	none	Per Unit	NA	1806
Refrigeration	ENERGY STAR Vending Machine	Medical	1576	Y		Refrigeration Measures	none	Per Unit	NA	11439
Refrigeration	ENERGY STAR Vending Machine	Medical	1576	Y		Refrigeration Measures	none	Per Unit	NA	13119
Refrigeration	ENERGY STAR Vending Machine	Office	1576	Y		Refrigeration Measures	none	Per Unit	NA	1807
Refrigeration	ENERGY STAR Vending Machine	Office	1576	Y		Refrigeration Measures	none	Per Unit	NA	11440
Refrigeration	ENERGY STAR Vending Machine	Office	1576	Y		Refrigeration Measures	none	Per Unit	NA	13120
Refrigeration	ENERGY STAR Vending Machine	School	1576	Y		Refrigeration Measures	none	Per Unit	NA	1808
Refrigeration	ENERGY STAR Vending Machine	School	1576	Y		Refrigeration Measures	none	Per Unit	NA	11441
Refrigeration	ENERGY STAR Vending Machine	School	1576	Y		Refrigeration Measures	none	Per Unit	NA	13121

IncentiveType Description	Description	Applicant	KWh per unit DCEO default	Same as ComEd ? (Y/N)	ComEd Default Year (blank if =ComEd PY3 default value)	IncentiveSubType Description	SizeCategory Description	UnitOfMeasure Description	Efficiency Description	SavingsMeasureId
Refrigeration	Evaporative Fan Control	College/University	478	Y		Refrigeration Measures	none	Per Motor	NA	1769
Refrigeration	Evaporative Fan Control	College/University	478	Y		Refrigeration Measures	none	Per Motor	NA	11402
Refrigeration	Evaporative Fan Control	College/University	478	Y		Refrigeration Measures	none	Per Motor	NA	13082
Refrigeration	Evaporative Fan Control	Medical	478	Y		Refrigeration Measures	none	Per Motor	NA	1770
Refrigeration	Evaporative Fan Control	Medical	478	Y		Refrigeration Measures	none	Per Motor	NA	11403
Refrigeration	Evaporative Fan Control	Medical	478	Y		Refrigeration Measures	none	Per Motor	NA	13083
Refrigeration	Evaporative Fan Control	Office	478	Y		Refrigeration Measures	none	Per Motor	NA	1771
Refrigeration	Evaporative Fan Control	Office	478	Y		Refrigeration Measures	none	Per Motor	NA	11404
Refrigeration	Evaporative Fan Control	Office	478	Y		Refrigeration Measures	none	Per Motor	NA	13084
Refrigeration	Evaporative Fan Control	School	478	Y		Refrigeration Measures	none	Per Motor	NA	1772
Refrigeration	Evaporative Fan Control	School	478	Y		Refrigeration Measures	none	Per Motor	NA	11405
Refrigeration	Evaporative Fan Control	School	478	Y		Refrigeration Measures	none	Per Motor	NA	13085
Refrigeration	LED Refrigeration Case Lighting	College/University	375	Y		Refrigeration Measures	none	Per Door	NA	1814
Refrigeration	LED Refrigeration Case Lighting	College/University	375	Y		Refrigeration Measures	none	Per Door	NA	11447
Refrigeration	LED Refrigeration Case Lighting	College/University	375	Y		Refrigeration Measures	none	Per Door	NA	13127
Refrigeration	LED Refrigeration Case Lighting	Medical	375	Y		Refrigeration Measures	none	Per Door	NA	1815
Refrigeration	LED Refrigeration Case Lighting	Medical	375	Y		Refrigeration Measures	none	Per Door	NA	11448
Refrigeration	LED Refrigeration Case Lighting	Medical	375	Y		Refrigeration Measures	none	Per Door	NA	13128
Refrigeration	LED Refrigeration Case Lighting	Office	375	Y		Refrigeration Measures	none	Per Door	NA	1816
Refrigeration	LED Refrigeration Case Lighting	Office	375	Y		Refrigeration Measures	none	Per Door	NA	11449
Refrigeration	LED Refrigeration Case Lighting	Office	375	Y		Refrigeration Measures	none	Per Door	NA	13129
Refrigeration	LED Refrigeration Case Lighting	School	375	Y		Refrigeration Measures	none	Per Door	NA	1817
Refrigeration	LED Refrigeration Case Lighting	School	375	Y		Refrigeration Measures	none	Per Door	NA	11450
Refrigeration	LED Refrigeration Case Lighting	School	375	Y		Refrigeration Measures	none	Per Door	NA	13130
Refrigeration	Refrigeration Economizer	College/University	1135	Y	PY2 Value	Refrigeration Measures	none	Per Compressor H	NA	1760
Refrigeration	Refrigeration Economizer	College/University	1135	Y	PY2 Value	Refrigeration Measures	none	Per Compressor H	NA	11393
Refrigeration	Refrigeration Economizer	College/University	1135	Y	PY2 Value	Refrigeration Measures	none	Per Compressor H	NA	13074
Refrigeration	Refrigeration Economizer	Medical	1135	Y	PY2 Value	Refrigeration Measures	none	Per Compressor H	NA	1761
Refrigeration	Refrigeration Economizer	Medical	1135	Y	PY2 Value	Refrigeration Measures	none	Per Compressor H	NA	11394
Refrigeration	Refrigeration Economizer	Medical	1135	Y	PY2 Value	Refrigeration Measures	none	Per Compressor H	NA	13074
Refrigeration	Refrigeration Economizer	Office	1135	Y	PY2 Value	Refrigeration Measures	none	Per Compressor H	NA	1762
Refrigeration	Refrigeration Economizer	Office	1135	Y	PY2 Value	Refrigeration Measures	none	Per Compressor H	NA	11395
Refrigeration	Refrigeration Economizer	Office	1135	Y	PY2 Value	Refrigeration Measures	none	Per Compressor H	NA	13075
Refrigeration	Refrigeration Economizer	School	1135	Y	PY2 Value	Refrigeration Measures	none	Per Compressor H	NA	1763
Refrigeration	Refrigeration Economizer	School	1135	Y	PY2 Value	Refrigeration Measures	none	Per Compressor H	NA	11396
Refrigeration	Refrigeration Economizer	School	1135	Y	PY2 Value	Refrigeration Measures	none	Per Compressor H	NA	13076
Refrigeration	Snack Machine Control	College/University	387	Y		Refrigeration Measures	none	Per Unit	NA	1796
Refrigeration	Snack Machine Control	College/University	387	Y		Refrigeration Measures	none	Per Unit	NA	11429
Refrigeration	Snack Machine Control	College/University	387	Y		Refrigeration Measures	none	Per Unit	NA	13109
Refrigeration	Snack Machine Control	Medical	387	Y		Refrigeration Measures	none	Per Unit	NA	1797
Refrigeration	Snack Machine Control	Medical	387	Y		Refrigeration Measures	none	Per Unit	NA	11430
Refrigeration	Snack Machine Control	Medical	387	Y		Refrigeration Measures	none	Per Unit	NA	13110
Refrigeration	Snack Machine Control	Office	387	Y		Refrigeration Measures	none	Per Unit	NA	1798

IncentiveType Description	Description	Applicant	KWh per unit DCEO default	Same as ComEd ? (Y/N)	ComEd Default Year (blank if =ComEd PY3 default value)	IncentiveSubType Description	SizeCategory Description	UnitOfMeasure Description	Efficiency Description	SavingsMeasureId
Refrigeration	Snack Machine Control	Office	387	Y		Refrigeration Measures	none	Per Unit	NA	11431
Refrigeration	Snack Machine Control	Office	387	Y		Refrigeration Measures	none	Per Unit	NA	13111
Refrigeration	Snack Machine Control	School	387	Y		Refrigeration Measures	none	Per Unit	NA	1799
Refrigeration	Snack Machine Control	School	387	Y		Refrigeration Measures	none	Per Unit	NA	11432
Refrigeration	Snack Machine Control	School	387	Y		Refrigeration Measures	none	Per Unit	NA	13112
Refrigeration	Strip Curtains on Walk-Ins	College/University	139	Y		Refrigeration Measures	none	Per Square Foot	NA	1508
Refrigeration	Strip Curtains on Walk-Ins	College/University	139	Y		Refrigeration Measures	none	Per Square Foot	NA	11357
Refrigeration	Strip Curtains on Walk-Ins	College/University	139	Y		Refrigeration Measures	none	Per Square Foot	NA	13037
Refrigeration	Strip Curtains on Walk-Ins	Medical	139	Y		Refrigeration Measures	none	Per Square Foot	NA	1509
Refrigeration	Strip Curtains on Walk-Ins	Medical	139	Y		Refrigeration Measures	none	Per Square Foot	NA	11358
Refrigeration	Strip Curtains on Walk-Ins	Medical	139	Y		Refrigeration Measures	none	Per Square Foot	NA	13038
Refrigeration	Strip Curtains on Walk-Ins	Office	139	Y		Refrigeration Measures	none	Per Square Foot	NA	1510
Refrigeration	Strip Curtains on Walk-Ins	Office	139	Y		Refrigeration Measures	none	Per Square Foot	NA	11359
Refrigeration	Strip Curtains on Walk-Ins	Office	139	Y		Refrigeration Measures	none	Per Square Foot	NA	13039
Refrigeration	Strip Curtains on Walk-Ins	School	139	Y		Refrigeration Measures	none	Per Square Foot	NA	1511
Refrigeration	Strip Curtains on Walk-Ins	School	139	Y		Refrigeration Measures	none	Per Square Foot	NA	11360
Refrigeration	Strip Curtains on Walk-Ins	School	139	Y		Refrigeration Measures	none	Per Square Foot	NA	13040

5.5 Smart Energy Design Assistance Program Review

5.5.1 Evaluation Objectives

To DCEO Standard evaluation team was given the task of conducting a preliminary assessment of the energy savings attributable to technical assistance provided to public and private sector clients through the Smart Energy Design Assistance Program that are not being reported by Ameren Illinois, ComEd, or DCEO for Energy Efficiency Portfolio Standard (EEPS) participation. The objectives of this task consisted of the following:

Reviewing the SEDAP program and the technical basis for claimed savings

Reviewing tracking data to assess reasonableness and functionality for evaluation

Developing an estimate of an ex ante energy savings claim for the SEDAP effort

As a pilot effort, estimate energy savings claimable by SEDAP for PY3 based on a "desk review" of tracking data

Assessing the SEDAP program approach and data to identify gross and net verification approaches that can be deployed in future program years

The outcome of this effort is intended to support evaluation planning for a rigorous assessment of gross and net savings, if warranted.

5.5.2 Program Overview

The Smart Energy Design Assistance Center (SEDAC), implemented by the University of Illinois Building Research Council in partnership with the 360 Energy Group, provides outreach, training, and design assistance to Illinois businesses and public entities in energy efficiency. SEDAC was originally developed in 2005 by the State of Illinois, Department of Commerce and Economic Opportunity (DCEO). In response to growing energy costs and in support of Illinois businesses, DCEO developed the Small Business Smart Energy Program (SB\$E), now called the Smart Energy Design Assistance Program (SEDAP).

In June 2008, under the Illinois Energy Efficiency Portfolio Standard (EEPS), the SEDAC program sponsorship expanded to include Ameren Illinois Utilities and ComEd and began offering program services to public sector buildings including municipal, state, federal, and educational facilities. As of June 30, 2011, the Illinois Smart Energy Design Assistance Program has provided information and support to 2,377 Illinois clients.

At no charge to the participants, the Smart Energy Design Assistance Program can provide energy efficiency advice or an in-depth building energy assessment to most Illinois business

and public entities with buildings greater than 20,000 square feet. Services are offered in four levels:

LEVEL 1: Quick Advice, No Application Required – Immediate advice offered over the telephone or by email, regarding the Smart Energy Design Assistance Program, energy efficiency technical questions, or to assess the need for program services. No eligibility requirements.

LEVEL 2: Energy Assessment – Application Required – Recommendations specific to the applicant's building. Some criteria apply, including potential for energy savings and the availability of needed building information. Priority is given to applicants who are ready to implement energy recommendations. Services include:

- The building energy assessment includes a list of recommended energy cost reduction measures (ECRMs) for the applicant's building.
- The assessment may cover the whole building or may address a specific need. Savings potential may or may not be quantified. Energy assessments for an existing facility may include a site visit, which are arranged after bills and plans are received and analyzed.

LEVEL 3: Design Assistance – In addition to the Level 2 analysis, the project leader does deeper analysis to assess complex buildings more fully, typically including a life cycle cost analysis to identify energy cost reduction measures (ECRMS) and potential savings.

- Assessment will include results and analyses using an energy simulation model.
- A cost-benefit analysis for upgrades will be performed to prioritize the ECRMs.

LEVEL 4: Implementation Assistance – Follow-up advice to program participants to assist with implementation of recommended energy cost reduction measures, such as advice on specific technical questions, help finding alternative financing assistance, and bid process support.

The source of energy savings estimates for the SEDAP program originates with the implementation of measures identified in the technical services provided at Level 2 and Level 3 assistance. SEDAC does not attempt to identify energy savings from delivery of Level 1 services, and Level 4 services provide support for savings identified at Level 2 and Level 3.

5.5.3 Evaluation Methods

This section describes the analytic methods and data collection activities implemented as part of the assessment of savings claimed as a result of SEDAP services. Key evaluation activities were:

The evaluation team conducted one telephone call with SEDAC staff responsible for SEDAP oversight, implementation, and data tracking. This call took place in August of 2011 and covered program delivery, the typical measures recommended, the technical basis for savings

estimates, quality control procedures, the follow-up approach used to identify implemented savings, data tracking, and other issues related to verification of measures.

Reviewed a sample Level 3 Feasibility Report for Energy Evaluation and Recommendations from a SEDAC site visit conducted in May 2010 of a public library, resulting in a report was sent out in August 2010.²⁷ The report and analysis focused on energy saving opportunities and life cycle cost estimates for various energy cost reduction measures (ECRMs). The report presented recommendations for energy saving investments resulting from the analysis, along with the methods and assumptions used.

Reviewed program activity tracking data from SEDAC that identified estimated savings at the project-level for recommended measures and customer-reported implemented measures, plus key dates, implementation status, and participant information.²⁸

Reviewed the SEDAP Implementation Success Report from June 30, 2011.²⁹

Analyzed data to generate an ex ante estimate of the gross impact of SEDAP services for PY3.

Outlined a verification approach and related issues.

5.5.4 Impact Evaluation Findings

Evaluation findings are summarized below.

Technical Basis for Claimed Savings Review

To review the technical basis for claimed savings, we discussed analysis methods with SEDAC, reviewed tracking data and the latest Implementation Success Report, and reviewed an example of a Level 3 audit report. The purpose of this task was to assess whether the claimed savings have a reasonable technical basis and can be verified.

The public library receiving the analysis report was built in 2004 and was approximately 100,000 square feet. The library analysis report totaled 39 pages and was the output of a comprehensive audit covering gas and electric energy saving opportunities. The report provided documentation on analysis approach, facility description including energy consuming electrical and mechanical systems, an analysis of energy consumption and bills, billed versus modeled energy consumption, and measure-level analysis and discussion of each energy

²⁷ Data provided by email communication from Donald Fournier, September, 2011.

²⁸ Data provided by email communication from Donald Fournier, September, 2011.

²⁹ Data provided by email communication from Donald Fournier, September, 2011.

savings recommendation. The report identified funding opportunities, including in this case the DCEO PSEE program.

Energy analysis for this project was conducted by SEDAC using Trane Trace simulation software. Model results were calibrated with energy bills. The audit report had sufficient detail that it would be possible to generate ex ante savings estimates for DCEO Standard lighting and vending machine control measures using program default values. Baseline reconstruction on more complex custom and retrocommissioning measures creates a greater challenge. Baseline conditions are described in some detail, but some measures involve findings of adjustments to control settings that can be readily fixed without a record of baseline or post-retrofit conditions, other than in the audit report. Trane Trace has capabilities to produce input parameter reports, which could be used in verification if the modeling files are still available. To verify savings for a specific project, we would request the audit report, modeling software parameter reports, and other project files.

We conclude that the energy savings estimates are reasonable for ex ante claims. If drawn as part of a sample, the audit report plus additional information should provide sufficient detail to develop an M&V plan for verification. The electric equipment retrofit recommendations that are typical of the DCEO Standard or utility prescriptive rebate programs, such as one-for-one lighting equipment replacements, should be readily verifiable because baseline descriptions, quantities, and operating strategies are provided in the client report. Impacts for custom and retrocommissioning type measures could have verified gross realization rates above or below 1.00, but SEDAC uses hourly simulation software or Excel models to generate savings estimates using site specific inputs, so there is a reasonable basis for ex ante estimates. Baseline reconstruction for custom and retrocommissioning measures may be challenging, but the analysis captures data to calibrate a baseline simulation against energy bills, so we would expect to identify key baseline parameters in most cases.

Tracking System Data Review

The tracking data provided by SEDAC was reviewed for reasonableness and functionality for use in verifying impact claims.

The tracking data provided covered the PY1 through PY3 period of EEPS programs. The earliest delivery date of a completed report was March 6, 2008, and two other reports were delivered before June 2008. Although those dates are prior to the start of PY1 on June 1, 2008, there is a lag between receipt of a SEDAP report and measure implementation, so installed measures would be occurring after the start of PY1. SEDAC continues to track implementation of measures based on structured protocol of regular follow-up through communication with clients that may continue for three years, if the client indicates ongoing interest and progress.

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This time lag between audit and implementation creates a challenge for verification. Although some clients receive their reports and implement measures within an EEPS program year, most SEDAP implementation occurs over multiple program years. Measures implemented in PY3 may have been identified in PY1, PY2, or PY3. Further, measures implemented in PY3 at a project site may be incremental to measures implemented in previous program years. Due to time lag, sampling would need to consider the status of clients with reports delivered back to PY1. Clients who stay active in implementing measures would stay in the sample frame, even those evaluated in a previous year.

The tracking data provided by SEDAC included the following elements relevant to verification:

- Project-level status data includes project ID code, company name, utility, whether public or private, date report sent, report status, implementation status, and EEPS incentive received (true/false) by program year.
- Measure-level status data includes individual ECRMs identified for each project, noting measure name, implementation status of the measure, modeling approach, end-use designation, and notes from the SEDAC project lead on status (some with follow-up dates).
- Project-level impact data includes project-level status data, plus building square feet, overall implementation status, project total estimated savings (gas and electric) for recommended measures, project total estimated savings for implemented measures, project cost and dollar savings, client contact name and telephone number, SEDAC project lead, construction and client type, and notes.

Although projects record measure-level implementation status, it is generally not possible to identify exactly when a measure was implemented. There is no requirement made of the client to implement measures, and no incentive through SEDAP to implement or report measures. SEDAC does encourage measure reporting, and follow-up is conducted on a regular basis by SEDAC project leads, typically every 3 to 9 months. Measures can move from “reviewing” to “implemented” during that the follow-up window, so assigning an implemented measure to a program year is only approximate. Dates are sometimes provided.

Although SEDAC attempts to identify whether a client has taken advantage of EEPS incentive programs, this should be verified for each measure prior to conducting evaluation verification of SEDAP savings. The tracking database and audit reports would provide enough information to identify a customer, the premise, and measure descriptions, and this could be checked against DCEO, Ameren, or ComEd participation records.

The SEDAP approach to identifying implemented measures creates a challenge for verifying savings for any specific EEPS program year, because the tracking data is not does define a program year population of implemented measures with certainty.

To avoid double counting of savings, it would be necessary to include measures that were implemented but did not receive an incentive *and* ensure that measures implemented are no longer eligible for an EEPS incentive.

If the contact information is up-to-date, the tracking data would be sufficient to conduct a telephone survey of SEDAP participants regarding their experiences with the program, and confirm basic measure level information. Net-to-gross questions could also be asked, however, there could be up to three years between report delivery and the telephone interview.

Estimate of Ex Ante Savings for SEDAP Technical Services

The tracking data provided by SEDAC was reviewed to estimate ex ante energy savings for electric efficiency measures implemented through SEDAP. Results are shown for two scenarios:

- A "Same Year" scenario that tracks measures implemented in the same year the client report was delivered (PY3), as shown in Table 5-3.
- A "Cumulative" scenario that attempts to estimate implemented savings as of June 30, 2011 from client reports delivered during the PY1 through PY3, as shown in Table 5-4.

The estimated savings show the implementation status of recommended measures in seven tracked categories. Three categories, "implemented," "starting implementation," and "no implementation" are categories where the client has made a decision and communicated that to SEDAC. The remaining four status categories indicate either that the client is engaged in planning or review of recommendations or has not communicated their intentions to SEDAC. The estimated savings is shown in two categories – the project-level savings recommended in the audit report, and the estimated savings of measures that clients reported were implemented.

As shown in Table 5-3, reports were delivered to 190 clients of SEDAP during the year that approximately coincides with EEPS PY3 (we included reports delivered through June 30, 2011 to be consistent with SEDAC reported data). From the reports delivered, 40 clients reported to SEDAC that they had implemented one or more measures (13 clients) or had started implementing measures (27 clients). These 40 clients had a total of 11.56 million kWh of energy saving measures recommended to them, and had implemented or started implementing 4.77 million kWh of energy savings. The "same-year" estimated savings of 4.77 million kWh is 11 percent of total savings identified in reports delivered in PY3.

Comparing Table 5-3 with Table 5-4, one can see the large lag that occurs between report delivery and measure implementation. The "cumulative" implemented savings of Table 5-4 is 26.28 million kWh, from the period covering reports delivered in PY1 through June 30, 2011. During that period, the cumulative recommended savings was 145.98 million kWh.

Table 5-3. PY3 SEDAP Estimated Savings from EEPS Clients (Same-Year Implementation)

Implementation Status of Reports Issued in PY3			Project-Level Estimated Savings - Recommended in Report				Measure-level Estimated Savings With Decision to Implement in PY3			
Ending 6/30/11	Client Count	% Clients	kWh	% kWh	kW	% kW	kWh	% of Rec.	kW	% of Rec.
Implemented*	13	7%	3,091,265	7%	546	7%	2,199,165	71%	425	78%
Starting implementation	27	14%	8,467,838	20%	1,606	22%	2,573,769	30%	362	23%
Planning to implement	33	17%	5,175,216	12%	1,025	14%				
Reviewing recommendations	101	53%	24,630,770	59%	4,066	55%				
No implementation	6	3%	279,109	1%	44	1%				
No Information - Unreachable	2	1%	132,948	0%	61	1%				
Unknown Status	8	4%	-	0%	-	0%				
TOTAL	190	100%	41,777,146	100%	7,348	100%	4,772,934	11%	787	11%

Source: Navigant analysis of SEDAP tracking data.

Table 5-4. PY3 SEDAP Estimated Savings from EEPS Clients (Cumulative PY1-PY3 Implementation)

Implementation Status of Reports Issued PY1-PY3			Project-Level Estimated Savings - Recommended in Report				Measure-level Estimated Savings With Decision to Implement as of 6/30/11			
Ending 6/30/11	Client Count	%	kWh	% kWh	kW	% kW	kWh	% of Rec.	kW	% of Rec.
Implemented*	131	25%	40,130,314	27%	5,312	19%	20,775,088	52%	3,542	67%
Starting implementation	73	14%	25,247,111	17%	4,601	16%	5,500,203	22%	996	22%
Planning to implement	80	15%	26,393,644	18%	4,019	14%				
Reviewing recommendations	164	31%	47,587,807	33%	6,818	24%				
No implementation	26	5%	2,065,121	1%	690	2%				
No Information - Unreachable	17	3%	4,369,150	3%	6,725	24%				
Unknown Status	30	6%	184,747	0%	67	0%				
TOTAL	521	100%	145,977,894	100%	28,232	100%	26,275,291	18%	4,538	16%

Source: Navigant analysis of SEDAP tracking data.

The implemented measure savings includes projects that have received an EEPS incentive, as well as those that have not. The tracking data indicated that 37 clients had taken advantage of an EEPS incentive program in either PY1 (6 instances), PY2 (8 instances) or PY3 (26 instances) including three that had participated in multiple years. Although it would have been possible to filter out measures the SEDAC had identified as receiving EEPS incentives, we included all measures in the tables because it provides a more complete picture of the scale of the SEDAP effort statewide. Separating EEPS rebated from non-rebated measures is a critical step in verifying the savings claim for SEDAP, therefore, we believe the population for verification should include both measure categories.

SEDAP Impact Verification Estimate

In PY3, a pilot effort within the Standard program evaluation was made to quantify energy savings implemented as a result of technical services provided by the Smart Energy Design Assistance Center (SEDAC) through the Smart Energy Design Assistance Program (SEDAP). The evaluation assessment was conducted to identify savings resulting from SEDAC services that have not been claimed through incentive programs operated by DCEO, ComEd, or Ameren Illinois.

Based on desk-review of SEDAC tracking data, our evaluation assessment concluded SEDAP is generating energy savings that are not being claimed by other programs. The measures recommended through SEDAP include equipment retrofits and operational improvements. The measures we believe are not being claimed by other programs include equipment retrofits that are not eligible for prescriptive or custom rebates, and operational improvements. The implementation of savings is estimated by SEDAC staff from regular follow-up with service recipients who identify progress on implementing audit report recommendations. The tracking records suggest that SEDAC staff is effective at steering technical service recipients to ComEd, Ameren Illinois, and DCEO programs for incentives on eligible measures.

Our evaluation review consisted of reviewing SEDAC measure-level tracking data for each of the 40 projects with PY3 service recipients who reported completing or starting measure implementation.³⁰ Where recipients had reported completing the measure implementation process, we could identify measures assignable as unclaimed SEDAP savings from measures that had been submitted for EEPs incentives. Only a small portion of savings potentially assignable to SEDAP fell into this category. The bulk of potential SEDAP claimable savings implemented by service recipients could not be separated and verified at the measure level from savings potentially claimed by an EEPs incentive program because action on recommendations were partially implemented and still ongoing. Verification would require project documentation review and site-specific data collection by the evaluation team once the

³⁰ For this estimate, we use the population of projects with reports delivered June 1, 2010 through May 31, 2011.

SEDAP participant had concluded work on the audit recommendations. Table 5-5 provides a summary of our assessment of SEDAC tracking data.

Table 5-5. Overall Verified and Potential Energy Savings Claimable through SEDAP Services

Evaluation Assessment Category	Project Count	Implemented Savings, kWh			Measure not yet implemented, assignment to EEPs or SEDAP to be determined, kWh
		EEPs, "desk verified"	SEDAP, "desk verified"	EEPs or SEDAP, to be verified	
PY3 Implementation completed, EEPs savings claimed	7	1,375,147		-	-
PY3 Implementation completed on measures claimable by SEDAP, with some measures not yet implemented	10	-	146,813	-	905,554
PY3 Implementation completed on measures claimable by EEPs, with some measures not yet implemented	3	113,852	-	-	1,001,609
PY3 Implementation in-progress	20	444,448	-	2,692,674	4,936,020
SEDAP PY3 services provided, implementation not begun	139				30,161,029
Subtotal, All SEDAP PY3 services	179	1,933,447	146,813	2,692,674	37,004,212
Subtotal, All SEDAP PY1 and PY2 services	342			21,502,357	82,698,391
Total, All SEDAP services, PY1 through PY3	521	1,933,447	146,813	24,195,031	119,702,603

Source: Evaluation analysis of tracking data provided by SEDAC.

The 146,813 kWh of desk review verified savings from SEDAP in PY3 shown in Table 5-5 consists only of savings resulting from technical services provided during PY3. A second block of PY3 implemented energy savings totaling 1,375,147 kWh was identified by SEDAC as

measures that had participated in an EEPs incentive program. The third and largest category PY3 implemented energy savings totaling 2,692,674 kWh involved projects where the contact had indicated implementation was in-progress. Table 5-6 through Table 5-9 provide a detailed breakdown of the SEDAP projects by utility and projects installed at private or public facilities.

Table 5-6. ComEd Verified and Potential Energy Savings Claimable through SEDAP Services (Public)

Evaluation Assessment Category	Project Count	Implemented Savings, kWh			Measure not yet implemented, assignment to EEPs or SEDAP to be determined, kWh
		EEPs, "desk verified"	SEDAP, "desk verified"	EEPs or SEDAP, to be verified	
PY3 Implementation completed, EEPs savings claimed	-	-	-	-	-
PY3 Implementation completed on measures claimable by SEDAP, with some measures not yet implemented	1	-	5,820	-	56,813
PY3 Implementation completed on measures claimable by EEPs, with some measures not yet implemented	2	29,826	-	-	497,737
PY3 Implementation in-progress	5	-	-	687,959	1,045,678
SEDAP PY3 services provided, implementation not begun	44				10,313,911
Subtotal, All SEDAP PY3 services	52	29,826	5,820	687,959	11,914,139
Subtotal, All SEDAP PY1 and PY2 services	89			4,949,908	22,836,253
Total, All SEDAP services, PY1 through PY3	141	29,826	5,820	5,637,867	34,750,392

Source: Evaluation analysis of tracking data provided by SEDAC.

*Note: The private facilities include facilities identified with private non-profit organizations.

Table 5-7. ComEd Verified and Potential Energy Savings Claimable through SEDAP Services (Private)

Evaluation Assessment Category	Project Count	Implemented Savings, kWh			Measure not yet implemented, assignment to EEPs or SEDAP to be determined, kWh
		EEPs, "desk verified"	SEDAP, "desk verified"	EEPs or SEDAP, to be verified	
PY3 Implementation completed, EEPs savings claimed	-	-	-	-	-
PY3 Implementation completed on measures claimable by SEDAP, with some measures not yet implemented	-	-	-	-	-
PY3 Implementation completed on measures claimable by EEPs, with some measures not yet implemented	1	84,026	-	-	503,872
PY3 Implementation in-progress	4	-	-	1,847,851	1,993,067
SEDAP PY3 services provided, implementation not begun	22				9,928,477
Subtotal, All SEDAP PY3 services	27	84,026	-	1,847,851	12,425,416
Subtotal, All SEDAP PY1 and PY2 services	108			4,646,685	26,676,949
Total, All SEDAP services, PY1 through PY3	135	84,026	-	6,494,536	39,102,365

Source: Evaluation analysis of tracking data provided by SEDAC.

*Note: The private facilities include facilities identified with private non-profit.

About 4% of the verified savings (146,813 kWh) resulting from technical services provided during PY3 were from projects in public facilities in the ComEd territory, and the remaining is split 59% and 37% respectively for the public and private facilities in the Ameren territory.

Table 5-8. Ameren Verified and Potential Energy Savings Claimable through SEDAP Services (Public)

Evaluation Assessment Category	Project Count	Implemented Savings, kWh			Measure not yet implemented, assignment to EEPs or SEDAP to be determined, kWh
		EEPs, "desk verified"	SEDAP, "desk verified"	EEPs or SEDAP, to be verified	
PY3 Implementation completed, EEPs savings claimed	7	1,375,147	-	-	-
PY3 Implementation completed on measures claimable by SEDAP, with some measures not yet implemented	6	-	86,489	-	606,431
PY3 Implementation completed on measures claimable by EEPs, with some measures not yet implemented	-	-	-	-	-
PY3 Implementation in-progress	5	444,448	-	-	448,342
SEDAP PY3 services provided, implementation not begun	48	-	-	-	6,315,378
Subtotal, All SEDAP PY3 services	66	1,819,595	86,489	-	7,370,151
Subtotal, All SEDAP PY1 and PY2 services	74	-	-	5,890,956	18,794,625
Total, All SEDAP services, PY1 through PY3	140	1,819,595	86,489	5,890,956	26,164,776

Source: Evaluation analysis of tracking data provided by SEDAC.

Table 5-9. Ameren Verified and Potential Energy Savings Claimable through SEDAP Services (Private)

Evaluation Assessment Category	Project Count	Implemented Savings, kWh			Measure not yet implemented, assignment to EEPs or SEDAP to be determined, kWh
		EEPs, "desk verified"	SEDAP, "desk verified"	EEPs or SEDAP, to be verified	
PY3 Implementation completed, EEPs savings claimed	-	-	-	-	-
PY3 Implementation completed on measures claimable by SEDAP, with some measures not yet implemented	3	-	54,504	-	242,310
PY3 Implementation completed on measures claimable by EEPs, with some measures not yet implemented	-	-	-	-	-
PY3 Implementation in-progress	6	-	-	156,864	1,448,933
SEDAP PY3 services provided, implementation not begun	25	-	-	-	3,603,263
Subtotal, All SEDAP PY3 services	34	-	54,504	156,864	5,294,506
Subtotal, All SEDAP PY1 and PY2 services	71	-	-	6,014,808	14,390,564
Total, All SEDAP services, PY1 through PY3	105	-	54,504	6,171,672	19,685,070

Source: Evaluation analysis of tracking data provided by SEDAC.

*Note: The private facilities include facilities identified with private non-profit organizations.

The PY3 implemented energy savings of 1,375,147 kWh identified by SEDAC as measures that had participated in an EEPs incentive program were from public facilities in the Ameren territory. About 94% of PY3 implemented energy savings (2,692,674 kWh) where the contact had indicated implementation was in-progress came from ComEd, mostly from private facilities.

Although some measures had been implemented, we could not verify from the data how much of the savings to assign to SEDAP versus measures that could be counted toward EEPs. On some projects, additional detail from SEDAC to provide implemented savings on a measure level would allow us to categorize measures as either SEDAP claimable or EEPs even if work was still ongoing at the facility. In other cases, we would need to wait until EEPs eligible work at the facility had been completed in order to make a determination due to the complexity of the project and potential for measure interactions.

Our review of SEDAP tracking data indicated that approximately 21,502 MWh of energy savings measures from SEDAP services provided during PY1 and PY2 were reported implemented by the end of PY3. It was not possible to quantify SEDAP claimable savings for PY3 from services provided in PY1 and PY2 from the data. It may be possible to quantify implemented savings from prior year's technical services through site-specific data collection.

5.5.5 Key Conclusions and Recommendations

Evaluation team review of SEDAP services and tracking data supports a finding that there is a reasonable basis for asserting that SEDAP technical assistance results in implementation of electric energy saving measures. Some of the measures identified are implemented with incentives from an EEPs program and would be tracked and counted through those programs, while SEDAP clients also indicate implementation of measures that have not received an EEPs incentive, and are therefore not tracked by ComEd, Ameren Illinois, or DCEO.

An attempt was made to verify SEDAP claimable savings through desk review of tracking system data, summarized in Table 5-5. Based on our desk review of SEDAC tracking data, measure savings claimable for SEDAP are similar to those implemented through the retrocommissioning program offered by DCEO. To estimate the size of potential net savings from SEDAC services, we recommend the gross energy realization rate (0.795) and net-to-gross ratio (0.98) from the PY3 Retrocommissioning evaluation be applied to evaluation verified savings. Applying these ratios to the 146,813 kWh of evaluation verified gross ex ante savings for SEDAP yields 114,382 kWh of verified net savings that could be claimed for SEDAP in PY3. With additional measure-level savings data from SEDAC and site verification by evaluators on a sample of the 2,692,674 kWh recommended and implemented in PY3 plus PY3 implementation from prior years' services, the evaluation verified savings for SEDAP in PY3 could be much higher.

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Our review did not include sampling and site-level data collection that would allow us to verify all savings reported as implemented by SEDAP service recipients, however, there is sufficient project and measure-level data from SEDAC that such an effort could be pursued. The savings impact shown in Table 5-3 and Table 5-4 provide an estimate of the population of projects from which a verification sample could be drawn. To determine an ex ante basis for savings attributable to the SEDAP program not already counted in an EEPS incentive program, it would be necessary to review each project in the population of projects with implemented measures, and verify with ComEd, Ameren Illinois, and DCEO whether they had participated, and if so, with which measures. One would then need to subtract out measures that had received an EEPS incentive (or were still eligible to receive an incentive) to end up with an estimate of ex ante gross savings implemented as a result of SEDAP without EEPS incentives. The ex-ante gross estimate could then be verified for gross and net impacts. The gross impacts could be verified through sampling and conducting evaluation site visits, and the net-to-gross ratio could be estimated through telephone interviews.