

Exhibit 2

Equip Type	Transformer Diversity		Building Diversity		Coincident Demand Factor	Total Diversity Factor		Connected Load (kVA)	Summer Peak	Winter Peak
	Summer %	Winter %	Summer %	Winter %		Summer	Winter			
Chillers	100%	0%	95%	0%	95%	90%	0%	5,465	4,932	0
Elec Heat	0%	80%	0%	60%	95%	0%	46%	18,179	0	8,290
Lighting	95%	95%	95%	95%	95%	86%	86%	2,308	1,979	1,979
Fans	85%	70%	95%	90%	95%	77%	60%	2,151	1,650	1,287
Pumps	90%	0%	95%	0%	95%	81%	0%	560	455	0
Booster Pumps	90%	85%	60%	50%	95%	51%	40%	1,215	623	491
Receptacles	25%	25%	50%	50%	95%	12%	12%	3,182	378	378
Elevators	65%	65%	50%	50%	95%	31%	31%	2,477	765	765
Hotel Combo	16%	34%	80%	80%	95%	12%	26%	4,122	489	1,053
Residential Combo	14%	32%	90%	90%	95%	12%	28%	6,401	779	1,766
Residential Combo-II	14%	32%	90%	90%	95%	12%	28%	8,308	1,011	2,292
Misc Loads								1,894	557	557
Totals								56,262	13,619	18,858
Percent Connected Load =								24%	34%	

Per WMA, all chillers will be needed to cool building in the summer
Diversity factor assumptions provided via committee
Lighting loads based on energy code, assumed actual usage would be at least 10% lower
BHP average 85% of motor size
BHP average 90% of motor size
Usage should be pretty low and peak times, these pumps should peak in the early morning for showers
Large diversity factor, based on residential use
Large diversity factor, elevator usage should be low at building peak times
See Spreadsheet: Load includes Lighting, Elec Heat, Receptacles
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85% for kitchen, 85% for fire pumps transformer, 0% for fire pump building diversity, 20% for dock level & coiling doors

Sums		Connected Loads																				56,260	5,465	18,179	2,308	2,151	560	1,215	3,182	2,477	4,122	6,401	8,308	1,230	664	557	557
SWBD NAME	SIZE	CALC'D Peak by Transformer	Jeff's Calcs (Max Size)	% Deviation	VOLTAGE	CONNECTED KW	Chillers	Elec Heat	Lighting	Fans	Pumps	Booster Pumps	Recepts	Elov	Hotel Combo Loads	Res Combo Loads	Res Combo Loads-II	Misc Motors	Misc Combo	Fire Pump Factor	Misc Factor Summer	Misc Factor Winter	Misc Loads Summer	Misc Loads Winter													
LL4-SWBD-480-1	4,000	1,745	1,539	12%	480	2157	1745	413																													
LL4-SWBD-480-2	4,000	1,890	1,668	12%	480	2225	1890	334																													
LL4-SWBD-480-3	4,000	1,804	1,591	12%	480	1804	1804																														
LL4-SWBD-480-4	2,500	928	915	1%	480	1047						990		57																							
FIRE PUMP-1	400	170	-	100%	480	200												200		85%	0%	0%	0	0													
FIRE PUMP-2	600	340	-	100%	480	400												400		85%	0%	0%	0	0													
LL4-SWBD-208-1	2,600	151	270	-79%	208	306			110				146						50		20%	20%	10	10													
LL2-SWBD-480-1	3,000	1,840	1,307	29%	480	2300		2300																	151												
LL2-SWBD-480-2	1,200	800	523	35%	480	1000		1000																	0												
LL2-SWBD-208-1	3,000	474	525	-11%	208	980			327				653												0												
LL2-SWBD-208-2	3,000	474	525	-11%	208	980			327				653												0												
LL2-SWBD-208-3	3,000	474	525	-11%	208	980			327				653												0												
LL3-MTR-1	600	45	63	-40%	208	180							180												151												
2-SWBD-480-1	2,500	1,139	784	31%	480	1481		1026			455														0												
2-SWBD-480-2	2,600	927	782	16%	480	1199		874			326														1840												
2-SWBD-480-3	2,500	1,126	235	79%	480	1407		1407																	0												
2-SWBD-208-1	2,500	295	292	1%	208	509	26		212				270												0												
3-PKG-MTR	600	80	84	-5%	480	100		100																	80												
4-PKG-MTR	400	97	84	14%	480	112			82	20			10												94												
5-PKG-MTR	600	80	84	-5%	480	100		100																	80												
6-PKG-MTR	400	97	84	14%	480	112			82	20			10												94												
7-PKG-MTR	600	80	84	-5%	480	100		100																	80												
8-PKG-MTR	400	97	84	14%	480	112			82	20			10												94												
9-PKG-MTR	600	80	84	-5%	480	100		100																	80												
10-PKG-MTR	400	97	84	14%	480	112			82	20			10												94												
11-PKG-MTR	600	80	84	-5%	480	100		100																	80												
12-PKG-MTR	400	97	84	14%	480	112			82	20			10												94												
15-SWBD-480-1	3,200	1,308	747	43%	480	1681.7		1315			366														311												
15-SWBD-480-2	2,500	857	991	-16%	480	1105.6		830			276														1308												
15-SWBD-480-3	2,000	627	358	43%	480	958.4		30						928											235												
15-SWBD-208-1	1,200	214	221	-3%	208	278			61				47							170	85%	85%	145	145													
15-SWBD-208-2	3,000	583	448	23%	208	732			165				93						30	444	85%	85%	403	403													
15-SWBD-208-3	2,500	326	336	-3%	208	544			272				272												603												
15-EMSV-1	250	14	36	-181%	208	41.5																			214												
17-HOTEL-MTR	600	46	56	-21%	208	136.7									41										6												
18-HOTEL-MTR	1,200	127	209	-64%	208	379									137										21												
19-HOTEL-MTR	1,200	114	209	-84%	208	338									379										46												
20-HOTEL-MTR	1,200	127	209	-64%	208	379									338										59												
21-HOTEL-MTR	1,200	114	209	-84%	208	338									379										127												
22-HOTEL-MTR	1,200	127	209	-64%	208	379									338										53												
23-HOTEL-MTR	1,200	114	209	-84%	208	338									379										127												
24-HOTEL-MTR	1,200	127	209	-64%	208	379									338										53												
25-HOTEL-MTR	1,200	114	209	-84%	208	338									379										127												
															338										53												

Transformer Load Summer	Transformer Load Winter	Fire Pump Transformers
1745	330	
1890	267	
1804	0	
928	879	
0	0	170
0	0	340
151	151	
0	1840	
0	800	
474	474	
474	474	
474	474	
45	45	
387	1139	
277	927	
0	1126	
295	269	
0	80	
97	94	
0	80	
97	94	
0	80	
97	94	
0	80	
311	1308	
235	857	
603	627	
214	214	
583	583	
326	326	
6	14	
21	46	
59	127	
53	114	
59	127	
53	114	
59	127	
53	114	
59	127	
53	114	

Sums																						16,785	28,369																									
Connected Loads																						56,260	5,465	18,179	2,308	2,151	560	1,215	3,182	2,477	4,122	6,401	8,308	1,230	664					557	557							
SWBD NAME	SIZE	CALC'D Peak by Transformer	Jeff's Calcs (Max Size)	% Deviation	VOLTAGE	CONNECTED KW	Chillers	Elec Heat	Lighting	Fans	Pumps	Booster Pumps	Recepts	Elev	Hotel Combo Loads	Res Combo Loads	Res Combo Loads-II	Misc Motors	Misc Combo	Fire Pump Factor	Misc Factor Summer	Misc Factor Winter	Misc Loads Summer	Misc Loads Winter	Transformer Load Summer	Transformer Load Winter	Fire Pump Transformers																					
26-HOTEL-MTR	1,200	127	209	-64%	208	379									379										59	127																						
27-HOTEL-MTR	1,200	114	209	-64%	208	338									338										53	114																						
27M-HOTEL-MTR	1,200	121	209	-73%	208	359									359										56	121																						
28-SWBD-480-1	3,200	1,400	1,310	6%	480	1761.4		1675		86															73	1400																						
28-SWBD-480-2	4,000	1,562	1,552	1%	480	2222.6		1865		100	260														319	1562																						
28-SWBD-480-3	1,600	284	193	32%	480	425.3		30	44				24	32?											260	284																						
FIRE PUMP-3	400	170	-	100%	480	200												200		85%	0%	0%	0	0	0	0	170																					
29-TEN-MTR	1,200	98	158	-62%	208	304																			43	98																						
30-TEN-MTR	1,200	105	158	-51%	208	326																			46	105																						
31-TEN-MTR	1,200	94	158	-69%	208	290																			41	94																						
32-TEN-MTR	1,200	105	158	-51%	208	326																			46	105																						
33-TEN-MTR	1,200	94	158	-69%	208	290																			41	94																						
34-TEN-MTR	1,200	105	158	-51%	208	326																			46	105																						
35-TEN-MTR	1,200	94	158	-69%	208	290																			41	94																						
36-TEN-MTR	1,200	105	158	-51%	208	326																			46	105																						
37-TEN-MTR	1,200	94	158	-69%	208	290																			41	94																						
38-TEN-MTR	1,200	105	158	-51%	208	326																			46	105																						
39-TEN-MTR	1,200	94	158	-69%	208	290																			41	94																						
40-TEN-MTR	1,200	105	158	-51%	208	326																			46	105																						
41-TEN-MTR	1,200	102	158	-56%	208	315																			45	102																						
42-TEN-MTR	1,200	90	158	-78%	208	279																			40	90																						
43-TEN-MTR	1,200	102	158	-56%	208	315																			45	102																						
44-TEN-MTR	1,200	90	158	-78%	208	279																			40	90																						
45-TEN-MTR	1,200	102	158	-56%	208	315																			45	102																						
46-TEN-MTR	1,200	90	158	-78%	208	279																			40	90																						
47-TEN-MTR	1,200	102	158	-56%	208	315																			45	102																						
48-TEN-MTR	1,200	90	158	-78%	208	279																			40	90																						
49-TEN-MTR	1,200	102	158	-56%	208	315																			45	102																						
50-SWBD-480-1	3,000	1,254	1,161	7%	480	1581.7		1465		117															99	1254																						
50-SWBD-480-2	3,300	1,267	1,282	-1%	480	1897.2		1490		107	300														361	1267																						
50-SWBD-480-3	1,600	482	269	44%	480	661.3		30	28	79		225	24	275											481	482																						
FIRE PUMP-4	400	170	-	100%	480	200												200		85%	0%	0%	0	0	0	0	170																					
FIRE PUMP-5	400	170	-	100%	480	200												200		85%	0%	0%	0	0	0	0	170																					
CECO-208-51-1	2,800	141	223	-58%	208	437											437								62	141																						
CECO-208-53-1	2,800	141	223	-58%	208	437											437								62	141																						
CECO-208-55-1	2,800	141	223	-58%	208	437											437								62	141																						
CECO-208-57-1	2,800	141	223	-58%	208	437											437								62	141																						
CECO-208-59-1	2,800	141	223	-58%	208	437											437								62	141																						
CECO-208-61-1	2,800	141	223	-58%	208	437											437								62	141																						
CECO-208-63-1	2,800	141	223	-58%	208	437											437								62	141																						
CECO-208-65-1	2,800	141	223	-58%	208	437											437								62	141																						
CECO-208-67-1	2,800	141	223	-58%	208	437											437								62	141																						
CECO-208-69-1	2,800	141	223	-58%	208	437											437								62	141																						
CECO-208-71-1	2,800	141	223	-58%	208	437											437								62	141																						
CECO-208-73-1	2,800	137	223	-63%	208	425											425								61	137																						
CECO-208-75-1	2,800	137	223	-63%	208	425											425								61	137																						
CECO-208-77-1	2,800	137	223	-63%	208	425											425								61	137																						
CECO-208-79-1	2,800	137	223	-63%	208	425											425								61	137																						
CECO-208-81-1	2,800	137	223	-63%	208	425											425								61	137																						
CECO-208-83-1	2,800	137	223	-63%	208	425											425								61	137																						
CECO-208-85-1	2,800	137	223	-62%	208	426											426								61	137																						
CECO-208-87-1	2,600	117	223	-91%	208	363											363								52	117																						
CECO-208-M5-1	600	52	110	-109%	208	162											162								23	52																						
90-SWBD-480-1	3,360	1,349	1,245	8%	480	1703.9		1565		139															118	1349																						
90-SWBD-480-2	2,500	630	372	41%	480	959.7		30	25				16	890											606	630																						
90-SVC-DISC	150	25	35	-39%	480	101																			25	25																						
Sums																						56,260	5,465	18,179	2,308	2,151	560	1,215	3,182	2,477	4,122	6,401	8,308	1,230	664									557	557	16,785	28,369	1,020
SWBD NAME	SIZE	CALC'D Peak by Transformer	Jeff's Calcs (Max Size)	% Deviation	VOLTAGE	CONNECTED KW	Chillers	Elec Heat	Lighting	Fans	Pumps	Booster Pumps	Recepts	Elev	Hotel Combo Loads	Res Combo Loads	Res Combo Loads-II	Misc Motors	Misc Combo	Fire Pump Factor	Misc Factor Summer	Misc Factor Winter	Misc Loads Summer	Misc Loads Winter	Transformer Load Summer	Transformer Load Winter	Fire Pump Transformers																					