

Energy Usage & Cost Estimate									
		P1&2		West Tower			Completed Campus		
		1.2MW		2.4 MW		3.5 MW	5.9 MW		7.5 MW
Jun-Sep	Demand (On)	4,533	3,323	12,412	9,992	8,897	21,586	15,651	14,556
Oct-May	Demand (On)	3,696	2,486	10,121	7,701	6,606	17,601	11,666	10,571
	Demand (Off)	3,668	2,458	10,043	7,623	6,528	17,465	11,530	10,435
Jun-Sep	Cons. (On)	1,266,177	407,077	3,466,913	1,748,713	971,263	6,029,413	1,815,563	1,038,113
Oct-May	Cons. (On)	954,796	95,696	2,614,322	896,122	118,672	4,546,647	332,797	-
	Cons. (Off)	1,328,682	469,582	3,638,057	1,919,857	1,142,407	6,327,056	2,113,206	1,335,756
	Cons. (kWh)	28,647,254	8,028,854	78,438,910	37,202,110	18,543,310	136,415,495	35,283,095	20,181,523
	Service \$	\$ 3,497	\$ 3,497	\$ 3,497	\$ 3,497	\$ 3,497	\$ 3,497	\$ 3,497	\$ 3,497
	Demand \$	\$ 735,429	\$ 667,518	\$ 2,013,675	\$ 2,007,134	\$ 1,787,171	\$ 3,502,044	\$ 3,143,888	\$ 2,923,924
Jun-Sep	Cons. (On) 150hr \$	\$ 258,107	\$ 154,526	\$ 706,723	\$ 568,928	\$ 368,691	\$ 1,229,083	\$ 689,188	\$ 394,068
	Cons. (On) 300hr \$	\$ 152,889	\$ -	\$ 418,625	\$ 65,189	\$ -	\$ 728,043	\$ -	\$ -
	Cons. (On) add. \$	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Oct-May	Cons. (On) 150hr \$	\$ 404,962	\$ 36,326	\$ 1,108,825	\$ 340,168	\$ 45,048	\$ 1,928,391	\$ 126,330	\$ -
	Cons. (On) 300hr \$	\$ 197,296	\$ -	\$ 540,215	\$ -	\$ -	\$ 939,504	\$ -	\$ -
	Cons. (On) add. \$	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Cons. (Off) 150 \$	\$ 574,362	\$ 384,876	\$ 1,572,658	\$ 1,193,686	\$ 1,022,209	\$ 2,735,058	\$ 1,805,637	\$ 1,394,529
	Cons. (Off) 300 \$	\$ 378,287	\$ 69,397	\$ 1,035,785	\$ 533,907	\$ 112,271	\$ 1,801,366	\$ 263,810	\$ -
	Cons. (Off) add. \$	\$ 77,281	\$ -	\$ 211,602	\$ -	\$ -	\$ 368,003	\$ -	\$ -
	Total \$	\$ 2,782,111	\$ 1,316,141	\$ 7,611,606	\$ 4,712,509	\$ 3,338,887	\$ 13,234,990	\$ 6,032,350	\$ 4,716,019
	\$/kWh	\$ 0.10	\$ 0.16	\$ 0.10	\$ 0.13	\$ 0.18	\$ 0.10	\$ 0.17	\$ 0.23
	\$Elec./SF	\$ 6.62	\$ 3.13		\$ 4.10	\$ 2.90		\$ 3.02	\$ 2.36
lbm/hr	CHP		781.4		1562.8	2000.0		3562.8	4000.0
therm			1,340,916		2,681,831	3,432,085		6,113,916	6,864,170
MMBtu	HRS		81,792		163,584	195,108		358,692	390,216
therm			1,022,400		2,044,800	2,438,850		4,483,650	4,877,700
therm	NG	1,249,213	1,567,728	3,420,463	4,057,494	4,413,698	5,948,632	7,578,898	7,935,101
	therm/SF	2.97	3.73		3.53	3.84		3.79	3.97
	Service \$	\$ 900	\$ 900	\$ 900	\$ 900	\$ 900	\$ 900	\$ 900	\$ 900
	Cons \$	\$ 1,699,829	\$ 2,133,010	\$ 4,652,730	\$ 5,519,092	\$ 6,003,529	\$ 8,091,039	\$ 10,308,201	\$ 10,792,638
	\$therm/SF	\$ 4.05	\$ 5.08		\$ 4.80	\$ 5.22		\$ 5.15	\$ 5.40

Emissions Estimate									
		P 1&2		West Tower			Completed Campus		
Elec.	CO2	34,835,061	9,763,086	95,381,714	45,237,765	22,548,665	165,881,242	42,904,244	24,540,732
Boiler		14,990,552,261	2,721,752,261	41,045,559,763	16,507,959,763	11,779,359,763	71,383,582,196	17,579,782,196	12,851,182,196
CHP		-	18,309,480	-	36,616,186	93,720,000	-	83,476,186	93,720,000
Total		7,512,694	1,374,912	20,570,471	8,294,907	5,947,814	35,774,732	8,853,081	6,484,721
Elec.	No <sub>x</sub>	54,143	15,175	148,250	70,312	35,047	257,825	66,685	38,143
Boiler		6,246,063	1,134,063	17,102,317	6,878,317	4,908,067	29,743,159	7,324,909	5,354,659
CHP		-	11,715	-	23,184	67,250	-	56,809	67,250
Total		3,150	580	8,625	3,486	2,505	15,000	3,724	2,730
Elec.	SO2	269,370	75,495	737,561	349,811	174,363	1,282,715	331,767	189,767
Boiler		74,953	13,609	205,228	82,540	58,897	356,918	87,899	64,256
CHP		-	0	-	0	1	-	1	1
Total		172	45	471	216	117	820	210	127