Energy Cost Budget / PRM Summary

Project Name:		Date: August 10, 2011
City:	Weather Data: Milwaukee, Wisconsin	

Note: The percentage displayed for the "Proposed/ Base %" column of the base case is actually the percentage of the total energy consumption. * Denotes the base alternative for the ECB study.		* Alt-1 Proposed		Alt-2 Baseline			
		Proposed Energy / Base Peak		Proposed Energy / Base Peak			
		Energy 10^6 Btu/yr	%	kBtuh	Energy 10^6 Btu/yr	%	kBtuh
Lighting - Conditioned	Electricity	192.0	13	56	246.1	128	72
Space Heating	Electricity	323.2	21	229	12.4	4	2
	Gas	0.0	0	0	2,385.8	0	1,473
Space Cooling	Electricity	112.2	7	59	224.1	200	213
Pumps	Electricity	79.7	5	10	50.4	63	7
Heat Rejection	Electricity	8.7	1	1	19.1	220	21
Fans - Conditioned	Electricity	117.3	8	26	489.1	417	140
Receptacles - Conditioned	Electricity	581.8	38	94	575.8	99	93
Stand-alone Base Utilities	Electricity	112.5	7	32	111.8	99	31
Total Building Consumption		1,527.4			4,114.6		

		* Alt-1 Proposed	Alt-2 Baseline
Total	Number of hours heating load not met	0	0
	Number of hours cooling load not met	1,023	0

	* Alt-1 P	roposed	Alt-2 Baseline		
	Energy 10^6 Btu/yr	Cost/yr \$/yr	Energy 10^6 Btu/yr	Cost/yr \$/yr	
Electricity	1,527.4	50,350	1,728.8	68,717	
Gas	0.0	0	2,385.8	23,739	
Total	1,527	50,350	4,115	92,456	

Note: Energy used values were reduced on a pro-rated basis to eliminate the First Floor Processing Plant energy consumption which is not supported by Energy Star Target Finder. See attached Chart

Project Name:

Dataset Name: 2009037-EM-TI07.TRC

From Energy Model Including First Floor			
	Proposed (kBtu)	Base (kBtu)	
Lighting	192,000	246,100	
Heating	323,200	12,400	
Heating - Gas	0	2,385,800	
Cooling	112,200	224,000	
pumps	79,700	50,400	
heat rejection	8,700	19,100	
fans	117,300	489,100	
receptacles	581,800	575,800	
base utilities	112,500	111,800	
Total	1,527,400	4,114,500	

From Energy Model Excluding First Floor *				
	Proposed (kBtu)	Base (kBtu)		
Lighting	134,400	172,270		
Heating	226,240	8,680		
Heating - Gas	0	1,670,060		
Cooling	78,540	156,800		
pumps	55,790	35,280		
heat rejection	6,090	13,370		
fans	82,110	342,370		
receptacles	407,260	403,060		
base utilities	78,750	78,260		
Total	1,069,180	2,880,150		

^{*}From 2 months of metered energy data, it is determined that the first floor uses 30% of the energy of the building. The table on the right Therefore the data in this table reduces the total energy from the model by 30%.