

Rosemont Feasibility Study Project

ELECTRICAL LOAD SUMMARY

ITEM	MISC LOADS		MOTOR			CAPACITOR		CONNECTED LOAD				DEMAND			ESTIMATED LOAD				ENERGY		
	KVA	PF	HP	PF	EFF	Yes(Y)	SIZE	KW	KVAR	KVA	%LOAD	KW	KVAR	KVA	%USED	KW	KVAR	KVA	PF	HOURS	MWH
AREA 050	16800.0	0.85		0.85				14280.0	8849.9	16800.0		12648.0	7838.5	14880.0		11424.0	7080.0	13440.0	0.85		
AREA 080			925.0	0.88	0.94			734.9	403.1	838.2		734.9	403.1	838.2		548.0	299.9	624.7	0.88		
AREA 100			1582.5	0.88	0.94			1254.9	673.8	1424.3		1003.9	539.0	1139.5		923.3	482.0	1041.6	0.89		
AREA 150			2891.5	0.90	0.95			2273.6	1115.7	2532.5		1818.8	892.5	2026.0		1802.6	881.6	2006.6	0.90		
AREA 200			1171.5	0.87	0.94			932.3	517.3	1066.2		745.8	413.8	852.9		702.6	382.8	800.1	0.88		
AREA 300			68208.5	0.90	0.95			53495.7	26238.5	59584.0		42796.5	20990.8	47667.2		42072.9	20516.9	46808.9	0.90		
AREA 400			13671.0	0.89	0.94			10806.9	5665.6	12201.9		8645.5	4532.4	9761.5		8622.9	4516.9	9734.3	0.89		
AREA 500			1293.5	0.82	0.91			1063.8	737.6	1294.4		851.0	590.0	1035.6		851.0	590.0	1035.6	0.82		
AREA 520																					
AREA 540			175.5	0.81	0.91			144.4	103.0	177.3		115.5	82.4	141.9		115.5	82.4	141.9	0.81		
AREA 560			825.0	0.83	0.92			668.2	447.4	804.2		534.6	358.0	643.3		534.6	358.0	643.3	0.83		
AREA 580	11020.0	0.98	582.5	0.98	0.04			11279.1	2546.0	11562.9		11183.2	2475.4	11453.9		7565.3	1740.7	7763.0	0.97		
AREA 600			23650.0	0.89	0.95			18641.9	9469.5	20909.1		14913.5	7575.6	16727.3		14913.5	7575.6	16727.3	0.89		
AREA 650			19210.0	0.90	0.95			15109.1	7440.4	16841.8		12087.3	5952.3	13473.4		8831.3	4340.8	9840.5	0.90		
AREA 700				0.95				285.0	93.7	300.0		228.0	74.9	240.0		228.0	74.9	240.0	0.95		
AREA 750																					
AREA 800			420.0	0.77	0.89			354.0	290.3	457.8		283.2	232.3	366.3		283.2	232.3	366.3	0.77		
AREA 900	2175.0	0.85		0.85				1848.8	1145.8	2175.0		1479.0	916.6	1740.0		1479.0	916.6	1740.0	0.85		
TOTAL	29995.0	0.90	134606.5	0.90				133172.4	65737.4	148513.6		110068.8	53867.7	122543.3		100897.8	50071.4	112638.8	0.90		