

TABLE 1	Load Limit at Normal		Load Limits To		Max Load	Survive Contingencies		Overloaded Element		Critical Outage	Overloaded Element		Critical Outage	Overloaded Element		
	Conditions		L-1			L-1		L-1			T-1				T-1	
	MW	Limiting Element	L-1	T-1		L-1 G-1	Capacity	L-1	T-1		L-1	T-1			L-1 G-1	Capacity
Base Case, Existing System, Only FMC-SJ B Upgrade to 228 MVA																
FMC ON	1886	Newark230/115 # 7	1886	1595	1825	1595	Newark-Scott #2	Newark - Scott #1	Metcalf 230/115#2	Metcalf 230/115 #1	Newark-Scott#2+FMC	Newark - Scott #1				
FMC off	1848	Newark230/115 # 7	1825	1545		1545	Newark-Scott #2	Newark - Scott #1	Metcalf 230/115#2	Metcalf 230/115 #1						
Existing System, Add All 3 Peaking Gens (495 MW), FMC on	2266	Newark230/115 # 7	2170	1960	2163	1960	Newark-Dixon Lnd	Piercy-Metcalf	Metcalf 230/115#3	Metcalf 230/115 #1	Newark-Dix Lnd + FMC	Piercy-Metcalf				
same, FMC off	2221	Ravenswd 230/115	2163	1889		1889	Newark-Dixon Lnd	Piercy-Metcalf	Metcalf 230/115#3	Metcalf 230/115 #1						
Existing System, Add C*Power @ USDataPort (195 MW), FMC on	2040	Newark230/115 # 7	2112	1747	2043	1747	Newark-Scott #2	Newark - Scott #1	Metcalf 230/115#2	Metcalf 230/115 #1	Newark-Scott#2+FMC	Newark - Scott #1				
same, FMC off	2010	Newark230/115 # 7	2043	1690		1690	Newark-Scott #2	Newark - Scott #1	Metcalf 230/115#3	Metcalf 230/115 #1						
Existing System, Add Spartan @ Milpitas (200 MW), FMC on	2010	Montague-Trimble	1522*	1715	*	1715	San Jose B C/breaker	Montague-Trimble	Metcalf 230/115#2	Metcalf 230/115 #1	San Jose B C/breaker+FM	Montague-Trimble				
same, FMC off	1876	Montague-Trimble	*	1661		1661	San Jose B C/breaker	Montague-Trimble	Metcalf 230/115#2	Metcalf 230/115 #1						
Existing System, Add Spartan @ Evergreen (100 MW), FMC on	1950	Newark230/115 # 7	1775**	1685	1640**	1685	San Jose A-EI Patio	S Jose B-Markham Jct	Newark 230/115#11	Newark230/115 #7	San Jose A-EI Patio+FMC	S Jose B-Markham Jct				
same, FMC off	1915	Newark230/115 # 7	1640**	1650	**	1650	San Jose A-EI Patio	S Jose B-Markham Jct	Newark 230/115#11	Newark230/115 #7						
Existing System, add Metcalf Energy Center 600 MW, FMC on	1838	Mtcalf230/115 #1	1838	1515	1780	1515	SanJose B c/brk	Swift-Metcalf	Metcalf 230/115#3	Metcalf 230/115 #1	SanJose B c/brk +FMC	Swift-Metcalf				
same, add Metcalf 230/115 transformer	1958	Sn Jose A-EI Patio	1711	1768		1711	SanJose B c/brk	Swift-Metcalf	Newark 230/115#11	Newark230/115 #7						
Add Los Esteros Project - No Peaking Generation, FMC on	2290	Mtcalf230/115 #1	2088***	1886		1886	Nortech-Los Esteros	FMC-Kifer	Metcalf 230/115#3	Metcalf 230/115 #1						
Add Los Esteros Project and 3 Peakers (495 MW), FMC on	2453	Nortech-Los Esteros	1630#	2158		2158	Nortech-Los Esteros	FMC-Kifer	Metcalf 230/115#2	Metcalf 230/115 #1						
Add Los Esteros Project and USDataport (195 MW), FMC on	2340	Nortech-Los Esteros	1861##	1953		1953	Nortech-Los Esteros	FMC-Kifer	Metcalf 230/115#3	Metcalf 230/115 #1						
Add Los Esteros Project and Milpitas (200 MW), FMC on	2420	Mtcalf230/115 #1	2170	1980		1980	Newark-Dixon Lnd	Piercy-Metcalf	Metcalf 230/115#2	Metcalf 230/115 #1						
Add Los Esteros Project and Evergreen (100 MW), FMC on	2402	Mtcalf230/115 #1	1720##	1970		1970	Nortech-Los Esteros	FMC-Kifer	Metcalf 230/115#2	Metcalf 230/115 #1						
Add Los Esteros and Metcalf Energy Center (600 MW), FMC on	2112	Mtcalf230/115 #1	1640^	1711		1711	Nortech-Los Esteros	FMC-Kifer	Metcalf 230/115#3	Metcalf 230/115 #1						
same, add Metcalf 230/115 transformer	2505	Mtcalf-EI Patio	1508^^	2505		1875	Nortech-Los Esteros	FMC-Kifer	Metcalf 230/115 #1	Metcalf 230/115 #4						

Existing System, add 146 MW @ Gilroy, FMC off, Gianera on	1930	Newark230/115 # 7	1910	1678		1678	Metcalf-EI Patio #1 or 2	Metcalf-EI Patio #2 or 1	Newark 230/115#11	Newark230/115 #7	
Existing System, add 146 MW @ Gilroy, FMC on, Gianera off	1930	Newark230/115 # 7	1910	1665		1665	Newark-Scott #2	Newark - Scott #1	Newark 230/115#11	Newark230/115 #7	
Existing System, add 146 MW @ Gilroy and 600 MW Metcalf, FMC on, Gianera off	1986	San Jose A-EI Patio	1735	1670		1670	San Jose B c/breaker	Swift-Metcalf	Metcalf 230/115#2	Metcalf 230/115 #1	
Add Los Esteros Project & Gilroy gen, FMC off, Gianera on	2480	Mtcal230/115 #1	2170	2063		2063	Newark-Dixon Lnd	Piercy-Metcalf	Metcalf 230/115#2	Metcalf 230/115 #1	

* not a limiting factor if drop generation at Milpitas

** not a limiting factor if drop generation at Evergreen

*** substantially depends on generation dispatch, not a limiting factor if drop generation at FMC, limit 2170 MW, Piercy-Metcalf

substantially depends on generation dispatch, not a limiting factor if drop generation at FMC, US Dataport and Evergreen, limit 2170 MW

substantially depends on generation dispatch, not a limiting factor if drop generation at FMC and US Dataport, limit 2170 MW

substantially depends on generation dispatch, not a limiting factor if drop generation at FMC and Evergreen, limit 2170 MW

^ substantially depends on generation dispatch, not a limiting factor if drop generation at FMC, limit 1994 MW

^^ substantially depends on generation dispatch, not a limiting factor if drop generation at FMC, limit 1875 MW