TABLE 3.1
SDG&E PROJECTED POWER PLANT ANNUAL CAPACITY FACTORS [a]

Plant	Unit	Type	Fuel	Net Capacity (MW)	1999		2005	
					Baseline [b]	Analytical Maximum [c]	Without new 1,060 MW plant (Variant 1)	With new 1,060 MW plant (Variant 2)
Encina	1	ST	NG	100	4.5	48.5	25.4	40.0
	2	ST	NG	103	4.0	48.5	24.2	40.7
	3	ST	NG	109	5.1	62.5	29.2	51.8
	4	ST	NG	299	16.3	50.8	46.9	62.2
	5	ST	NG	329	24.1	74.4	33.5	49.3
	CT	CT	NG	15	0.1	0.3	3.2	2.3
Annual Plant Capacity				955 [d]	14.9	59.0	34.9	51.0
South Bay	1	ST	NG	145	35.0	84.3	54.5	N/A
	2	ST	NG	149	33.8	76.7	41.4	N/A
	3	ST	NG	174	32.2	75.0	53.7	N/A
	4	ST	NG	222	0.7	35.7	20.9	N/A
	CT	CT	JF	15	0.0	0.0	0.0	N/A
Annual Plant Capacity				705 [d]	22.5	63.3	39.8	N/A
New Otay Mesa	1	CC	NG	960	NA	NA	NA	90.5
1,060 MW Plant	2	CT	NG	100	NA	NA	NA	6.1
Annual Plant Capacity				1,060	NA	NA	NA	82.5
Division		CT	DF	14	0.0	0.0	0.0	0.0
El Cajon		CT	NG	15	0.2	0.4	3.4	2.4
Kearny 1	1	CT	NG	16	0.2	0.3	3.8	2.6
Kearny 2	A	CT	NG	15	0.1	0.3	3.5	2.5
	B	CT	NG	15	0.1	0.3	3.1	2.3
	C	CT	NG	15	0.2	0.4	3.5	2.5
	D	CT	NG	14	0.2	0.3	3.3	2.3
Kearny 3	A	CT	NG	16	0.2	0.4	3.6	2.6
	B	CT	NG	15	0.1	0.3	3.4	2.3
	C	CT	NG	15	0.2	0.4	3.7	2.8
	D	CT	NG	15	0.2	0.4	3.4	2.4
Miramar 1	A	CT	NG	18	0.2	0.4	4.0	2.8
	B	CT	NG	18	0.3	0.4	4.0	2.9
Naval Station		CT	NG	22	0.3	0.4	4.4	3.1
Naval Tr. Ctr		CT	NG	15	0.2	0.4	3.5	2.7
North Island	1	CT	DF	18	0.0	0.0	0.0	0.0
	2	CT	NG	18	0.1	0.2	2.2	1.6
Annual Plant Capacity				274 [e]	0.2	0.3	3.1	2.2

a Capacity factor is the ratio of energy actually produced by a generating unit to the maximum energy it could possibly produce (that is, its rated generating capacity) in the same time period.

b Baseline is the manner in which SDG&E would be expected to operate the plants in 1999.

c Analytical maximum is the analytically derived maximum capacity under a set of assumptions described in Section 3.5.2.

d Net capacity for entire plant.

e Net capacity for 17 CTs being sold as a package.

NOTE: The capacity factors were derived using the SERASYM™ unit-specific, California-wide data set, which was processed by the SERASYM™ production cost model to forecast plant operations.

UNIT TYPES: CT combustion turbine; ST steam turbine

FUELS: NG natural gas; DF diesel fuel; JF jet fuel

NA = not applicable

SOURCE: Sierra Energy and Risk Assessment, Inc., and ESA, 1998.