

TABLE 2.1: DESCRIPTIONS OF SOUTHERN CALIFORNIA EDISON COMPANY FACILITIES

Facility Name	Unit	Dependable ¹ Capacity	Type	Start-up Year	Primary Fuel, Back-up Fuel ²	Percentage of Hours in Service ³
Alamitos Generating Station	1	175 MW	steam turbine	1956	natural gas, oil	14.7%
	2	175 MW	steam turbine	1957	natural gas, oil	14.7%
	3	320 MW	steam turbine	1961	natural gas, oil	14.7%
	4	320 MW	steam turbine	1962	natural gas, oil	14.7%
	5	480 MW	steam turbine	1966	natural gas, oil	38.9%
	6	480 MW	steam turbine	1966	natural gas, oil	38.9%
	7	133 MW	combustion turbine	1969	natural gas, distillate ⁴	0.50%
Cool Water Generating Station	1	65 MW	steam turbine	1961	natural gas, oil	27.0%
	2	81 MW	steam turbine	1964	natural gas, oil	27.0%
	3	241 MW	combined cycle	1978	natural gas, oil	21.0%
	4	241 MW	combined cycle	1978	natural gas, oil	21.0%
El Segundo Generating Station	1	175 MW	steam turbine	1955	natural gas, oil	20.5%
	2	175 MW	steam turbine	1956	natural gas, oil	20.5%
	3	335 MW	steam turbine	1964	natural gas, oil	20.5%
	4	335 MW	steam turbine	1965	natural gas, oil	20.5%
Ellwood Energy Support Facility	1	48 MW	combustion turbine	1973	natural gas only	0.39%
Etiwanda Generating Station	1	132 MW	steam turbine	1953	natural gas, oil	18.9%
	2	132 MW	steam turbine	1953	natural gas, oil	18.9%
	3	320 MW	steam turbine	1963	natural gas, oil	18.9%
	4	320 MW	steam turbine	1963	natural gas, oil	0.45%
	5	126 MW	combustion turbine	1969	natural gas, distillate ⁴	0.45%
Highgrove Generating Station	1	32.5 MW	steam turbine	1952	natural gas, oil	0.2%
	2	32.5 MW	steam turbine	1952	natural gas, oil	0.2%
	3	44.5 MW	steam turbine	1953	natural gas, oil	0.2%
	4	44.5 MW	steam turbine	1955	natural gas, oil	0.2%
Huntington Beach Generating Station	1	215 MW	steam turbine	1958	natural gas, oil	17.0%
	2	215 MW	steam turbine	1958	natural gas, oil	17.0%
	3*	NA	steam turbine	1961	NA	NA
	4*	NA	steam turbine	1961	NA	NA
	5	133 MW	combustion turbine	1969	natural gas, distillate ⁴	0.53%

(Continued)

TABLE 2.1: DESCRIPTIONS OF SOUTHERN CALIFORNIA EDISON COMPANY FACILITIES (Continued)

Facility Name	Unit	Dependable ¹ Capacity	Type	Start-up Year	Primary Fuel, Back-up Fuel ²	Percentage of Hours in Service ³
Long Beach Generating Station	1	60 MW	combustion turbine	1976	natural gas, distillate	3.9%
	2	60 MW	combustion turbine	1976	natural gas, distillate	3.9%
	3	60 MW	combustion turbine	1976	natural gas, distillate	3.9%
	4	60 MW	combustion turbine	1976	natural gas, distillate	3.9%
	5	60 MW	combustion turbine	1977	natural gas, distillate	3.9%
	6	60 MW	combustion turbine	1977	natural gas, distillate	3.9%
	7	60 MW	combustion turbine	1977	natural gas, distillate	3.9%
	8	80 MW	combined cycle	1976	(steam turbine)**	3.9%
	9	60 MW	combined cycle	1977	(steam turbine)**	3.9%
Mandalay Generating Station	1	215 MW	steam turbine	1959	natural gas, oil	32.6%
	2	215 MW	steam turbine	1959	natural gas, oil	32.6%
	3	140 MW	combustion turbine	1971	distillate only	0.27%
Ormond Beach Generating Station	1	750 MW	steam turbine	1971	natural gas, oil	22.8%
	2	750 MW	steam turbine	1973	natural gas, oil	22.8%
Redondo Generating Station	1*	NA	steam turbine	1948	NA	NA
	2*	NA	steam turbine	1948	NA	NA
	3*	NA	steam turbine	1949	NA	NA
	4*	NA	steam turbine	1949	NA	NA
	5	175 MW	steam turbine	1954	natural gas, oil	5.3%
	6	175 MW	steam turbine	1957	natural gas, oil	5.3%
	7	480 MW	steam turbine	1967	natural gas, oil	36.4%
	8	480 MW	steam turbine	1967	natural gas, oil	36.4%
San Bernardino Generating Station	1	63 MW	steam turbine	1957	natural gas, oil	2.9%
	2	63 MW	steam turbine	1958	natural gas, oil	2.9%

* These units are inactive and have been placed into long term return-to-service status, meaning their capacity is not counted as dependable operating capacity. Necessary permits for operation have been relinquished.

** Operated as combined cycle units in conjunction with combustion turbines.

NA Not Applicable.

1 This column shows the summer dependable output for each unit; the maximum winter dependable output is shown for the Long Beach Generating Station.

2 Back-up fuel capability is intended to be employed only in emergency situations.

3 Averaged over a five year period (1992-1996). Percentage of hours shown typically represents the average capacity for multiple units within a plant. These may be distinguished by identical percentage values for each unit within the group. Data taken from Southern California Edison Company Uniform Monthly Fuels and Operations Reports, 1992 to 1996. These percentages do not necessarily indicate operation at full capacity.

4 Back-up distillate fuel burning capability is intended to be employed in black-start situations.

SOURCE: Southern California Edison Company, *Proponent's Environmental Assessment (PEA), Application of Southern California Edison Company (U 338-E) for Authority to Sell Gas-fired Electrical Generating Facilities (Application No. 96-11-046)*, November 27, 1996; and Southern California Edison Company, *Descriptions of the Plants for Sale*, November 1996.