Proposed List of Plants for APPS Analysis

	Unit Identification			ER 94 ESPAR[1]		2002 Operating Data			Calculated Ratios			Other Information						
	EIA Plant ID	Plant	Unit	In-Service Year	Dependable Capacity (MW)	Output (MWh)	Fuel Use (MMBtu)	NOx Emitted (pounds)	NOx Rate (lb/MMBtu)	Heat Rate (Btu/kWh)	Capacity Factor	RMR[2]	ISO list or MUNI[3]	Air Basin[4]	Once Through Cooled[5]	Site Redvlmnt Plan[6]	SCR Installed[7]	County
1	228	Contra Costa	6	1964	340	876,534	8,635,012	395,697	0.0458	9,851	0.294			SF	YES	NO	NO[a]	Contra Costa
2	228	Contra Costa	7	1964	340	1,148,685	11,231,342	103,704	0.0092	9,778	0.386	RMR		SF	YES	NO	YES	Contra Costa
3	246	Humboldt Bay	1	1956	52	194,615	2,427,851	868,937	0.3579	12,475	0.427	RMR		NC	YES	NO	NO[b]	Humboldt
4	246	Humboldt Bay	2	1958	53	190,383	2,496,030	872,666	0.3496	13,111	0.410	RMR		NC	YES	NO	NO[b]	Humboldt
5	247	Hunters Point	4	1958	163	449,628	5,356,970			11,914	0.315	RMR		SF	YES	YES	NO[c]	San Francisco
6	259	Morro Bay Power Plant	1	1956	163	30,826	343,384	20,521	0.0598	11,140	0.022			SCC	YES	NO	NO[d]	San Luis Obispo
7	259	Morro Bay Power Plant	2	1955	163	80,218	852,057	51,193	0.0601	10,622	0.056			SCC	YES	NO	NO[d]	San Luis Obispo
8	259	Morro Bay Power Plant	3	1962	338	503,361	4,776,954	159,684	0.0334	9,490	0.170		ISO	SCC	YES	NO	NO[d]	San Luis Obispo
9	259	Morro Bay Power Plant	4	1963	338	1,000,637	9,545,492	336,051	0.0352	9,539	0.338		ISO	SCC	YES	NO	NO[d]	San Luis Obispo
10	260	Moss Landing Power Plant	6	1967	739	2,276,079	20,879,237	182,344	0.0087	9,173	0.352		ISO	NCC	YES	NO	YES	Monterey
11	260	Moss Landing Power Plant	7	1968	739	1,730,249	16,032,235	281,251	0.0175	9,266	0.267		ISO	NCC	YES	NO	YES	Monterey
12	271	Pittsburg Power	5	1960	325	547,082	5,652,989	132,775	0.0235	10,333	0.192	RMR		SF	YES	NO	YES	Contra Costa
13	271	Pittsburg Power	6	1961	325	703,877	7,523,108	88,369	0.0117	10,688	0.247	RMR		SF	YES	NO	YES	Contra Costa
14	271	Pittsburg Power	7	1972	720	2,760,981	27,536,340	1,113,654	0.0404	9,973	0.438	RMR		SF	YES	NO	NO[a]	Contra Costa
15	273	Potrero Power	3	1965	207	570,643	5,927,227	325,825	0.0550	10,387	0.315	RMR		SF	YES	NO	NO[a]	San Francisco
16	302	Encina	1	1954	107	152,068	1,671,418	34,264	0.0205	10,991	0.162	RMR		SD	YES	NO	YES	San Diego
17	302	Encina	2	1956	104	191,628	2,142,231	43,916	0.0205	11,179	0.210	RMR		SD	YES	NO	YES	San Diego
18	302	Encina	3	1958	110	195,769	2,143,917	43,950	0.0205	10,951	0.203	RMR		SD	YES	NO	YES	San Diego
19	302	Encina	4	1973	293	933,529	10,730,897	219,983	0.0205	11,495	0.364	RMR		SD	YES	NO	YES	San Diego
20	302	Encina	5	1978	315	1,051,716	10,982,456	225,140	0.0205	10,442	0.381	RMR		SD	YES	NO	YES	San Diego
21	310	South Bay Power Plant	1	1960	147	459,135	4,654,531	60,028	0.0129	10,138	0.357	RMR		SD	YES	YES	YES	San Diego
22	310	South Bay Power Plant	2	1962	150	466,098	4,400,057	52,738	0.0120	9,440	0.355	RMR		SD	YES	YES	YES	San Diego
23	310	South Bay Power Plant	3	1964	171	319,847	3,312,646	42,271	0.0128	10,357	0.214	RMR		SD	YES	YES	YES	San Diego
24	310	South Bay Power Plant	4	1971	222	84,940	1,023,633	42,206	0.0412	12,051	0.044	RMR		SD	YES	YES	YES	San Diego
25	315	AES Alamitos LLC	1	1956	175	142,973	1,809,301	56,448	0.0312	12,655	0.093			SC	YES	NO	YES	Los Angeles
26	315	AES Alamitos LLC	2	1957	175	167,808	2,164,441	52,874	0.0244	12,898	0.109			SC	YES	NO	YES	Los Angeles
27	315	AES Alamitos LLC	3	1961	320	1,043,989	11,092,851	206,735	0.0186	10,625	0.372	RMR		SC	YES	NO	YES	Los Angeles
28	315	AES Alamitos LLC	4	1962	320	710,764	7,777,048	122,890	0.0158	10,942	0.254			SC	YES	NO	YES	Los Angeles
29	315	AES Alamitos LLC	5	1969	480	1,433,863	14,778,258	92,473	0.0063	10,307	0.341			SC	YES	NO	YES	Los Angeles
30	315	AES Alamitos LLC	6	1966	480	619,790	6,626,709	104,371	0.0158	10,692	0.147			SC	YES	NO	YES	Los Angeles
31	329	Coolwater	1	1961	65	84,534	531,461	45,130	0.0849	6,287	0.148		ISO	SDT	NO	NO	NO[e]	San Bernardino
32	329	Coolwater	2	1964	81	108,811	1,122,952	100,371	0.0894	10,320	0.153		ISO	SDT	NO	NO	NO[e]	San Bernardino
33	329	Coolwater	3	1978	241	1,250,643	9,079,014	934,507	0.1029	7,259	0.592			SDT	NO	NO	NO[e]	San Bernardino
34	329	Coolwater	4	1978	241	1,060,535	9,178,878	819,318	0.0893	8,655	0.502			SDT	NO	NO	NO[e]	San Bernardino
35	330	El Segundo Power	3	1964	335	1,061,387	10,399,010	58,862	0.0057	9,798	0.362			SC	YES	NO	YES	Los Angeles
36	330	El Segundo Power	4	1965	335	1,340,186	13,301,719	99,620	0.0075	9,925	0.457			SC	YES	NO	YES	Los Angeles
37	331	Etiwanda Generating Station	3	1963	320	543,179	5,969,559	69,468	0.0116	10,990	0.194			SC	NO	NO	YES	San Bernardino

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	Unit Identification			ER 94 ESPAR[1]		2002 Operating Data			Calculated Ratios			Other Information						
	EIA Plant ID	Plant	Unit	In-Service Year	Dependable Capacity (MW)	Output (MWh)	Fuel Use (MMBtu)	NOx Emitted (pounds)	NOx Rate (lb/MMBtu)	Heat Rate (Btu/kWh)	Capacity Factor	RMR[2]	ISO list or MUNI[3]	Air Basin[4]	Once Through Cooled[5]	Site Redvlmnt Plan[6]	SCR Installed[7]	County
38	331	Etiwanda Generating Station	4	1963	320	258,695	3,019,710	50,263	0.0166	11,673	0.092			SC	NO	NO	YES	San Bernardino
39	335	AES Huntington Beach LLC	1	1958	215	647,852	7,405,994	81,300	0.0110	11,432	0.344	RMR		SC	YES	NO	YES	Orange
40	335	AES Huntington Beach LLC	2	1958	215	699,436	7,633,953	87,194	0.0114	10,914	0.371	RMR		SC	YES	NO	YES	Orange
41	341	Long Beach Generation LLC	8	1976	303	81,883	939,891			11,478	0.031		ISO	SC	YES	NO	NO[f]	Los Angeles
42	341	Long Beach Generation LLC	9	1977	227	31,254	362,036			11,584	0.016		ISO	SC	YES	NO	NO[f]	Los Angeles
43	345	Mandalay	1	1959	215	499,331	4,710,452	23,304	0.0049	9,434	0.265			SCC	YES	NO	YES	Ventura
44	345	Mandalay	2	1959	215	564,964	5,144,509	31,252	0.0061	9,106	0.300			SCC	YES	NO	YES	Ventura
45	350	Ormond Beach	1	1971	750	1,189,349	12,028,916	93,498	0.0078	10,114	0.181		ISO	SCC	YES	NO	YES	Ventura
46	350	Ormond Beach	2	1973	750	1,210,342	12,059,181	93,552	0.0078	9,963	0.184			SCC	YES	NO	YES	Ventura
47	356	AES Redondo Beach LLC	5	1954	175	83,476	1,127,491	79,601	0.0706	13,507	0.054		ISO	SC	YES	YES	YES	Los Angeles
48	356	AES Redondo Beach LLC	6	1957	175	47,302	670,001	24,897	0.0372	14,164	0.031		ISO	SC	YES	YES	YES	Los Angeles
49	356	AES Redondo Beach LLC	7	1967	480	965,701	9,843,859	130,365	0.0132	10,193	0.230		ISO	SC	YES	YES	YES	Los Angeles
50	356	AES Redondo Beach LLC	8	1967	480	984,254	9,695,744	92,965	0.0096	9,851	0.234		ISO	SC	YES	YES	YES	Los Angeles
51	377	Grayson	3	1953	19								MUNI	SC	NO	NO	NO[h]	Los Angeles
52	377	Grayson	4	1959	44	63,853	864,829	14,693	0.0170	13,544	0.166		MUNI	SC	NO	NO	NO[h]	Los Angeles
53	377	Grayson	5	1969	42	70,442	950,925	21,418	0.0225	13,499	0.191		MUNI	SC	NO	NO	NO[h]	Los Angeles
54	377	Grayson	8	1977	95	8,385	134,416			16,031	0.010		MUNI	SC	NO	NO	YES	Los Angeles
55	389	El Centro	3	1952	44	47,419	585,886	96,064	0.1640	12,355	0.124		MUNI	SDT	YES	NO	NO[g]	Imperial
56	389	El Centro	4	1968	74	162,881	2,013,284	439,453	0.2183	12,360	0.252		MUNI	SDT	YES	NO	YES	Imperial
57	400	Haynes	1	1962	222	464,105	4,731,220	57,391	0.0121	10,194	0.239		MUNI	SC	YES	NO	YES	Los Angeles
58	400	Haynes	2	1963	222	592,599	6,061,029	69,419	0.0115	10,228	0.305		MUNI	SC	YES	NO	YES	Los Angeles
59	400	Haynes	5	1967	341	482,782	4,643,557	48,018	0.0103	9,618	0.162		MUNI	SC	YES	NO	YES	Los Angeles
60	400	Haynes	6	1967	341	581,001	5,727,857	36,530	0.0064	9,859	0.194		MUNI	SC	YES	NO	YES	Los Angeles
61	404	Scattergood	1	1958	179	449,830	4,508,090	26,317	0.0058	10,022	0.287		MUNI	SC	YES	NO	YES	Los Angeles
62	404	Scattergood	2	1959	179	523,083	5,234,260	24,232	0.0046	10,007	0.334		MUNI	SC	YES	NO	YES	Los Angeles
63	404	Scattergood	3	1974	445	259,997	2,568,005	15,980	0.0062	9,877	0.067		MUNI	SC	YES	NO	YES	Los Angeles
64	420	Broadway	B3	1965	66	70,886	849,285	19,605	0.0231	11,981	0.123		MUNI	SC	NO	NO	YES	Los Angeles
65	6013	Olive	1	1959	46	19,535	244,391	22,738	0.0930	12,511	0.048		MUNI	SC	NO	NO	YES	Los Angeles
66	6013	Olive	2	1964	55	48,249	580,744	45,567	0.0785	12,037	0.100		MUNI	SC	NO	NO	YES	Los Angeles
		Total			17,126	37,596,000	378,449,000	10,186,000										

Notes:

[1] 1994 ELECTRICITY REPORT, Electricity Supply Assumptions Report (ESPAR), Part III, The Availability, Price and Emissions of Power from the Southwest and Pacific Northwest

[2] RMR - 2004 Reliability Must-Run unit.

[3] ISO List or MUNI - on the CAISO list of units with reliability concerns or owned by a municipal utility.

[4] Air Basin -

NC	North Coast
NCC	North Central Coast
SC	South Coast
SCC	South Central Coast
SD	San Diego
SDT	Southwest Desert
SF	SF Bay Area

[5] Plants that use Once-Through Cooling (OTC) and may be potential sites for desalination facilities.

[6] The facility has a city or county-formulated site reuse plan (SRP) which indicates local priorities for future use of the site.

[7] SCR Installed

[a] Bay Area APCD Rule 9-11 has a staggered implementation schedule. The owner, Mirant, of Potrero, Contra Costa, and Pittsburg boiler units have opted to comply via a "system cap, where all their boilers are held to an instantaneous cap. Currently some units are cleaner than other and can be used to "balance" out the units that have not yet installed SCR. The final cap, in force 1/1/05, limits the boiler units to a combined 0.018 lbs NOx/mm Btu IN.

[b] SCR installation is not required by an air district BARCT rule or SIP.

[c] Bay Area APCD Rule 9-11 has a staggered implementation schedule. The owner, PG&E, of Hunters Point boiler opted to comply via a "system cap, where all the boilers unit is held to an instantaneous cap. Currently, the only operating boiler unit at Hunters Points in Unit 4. The final cap, in force 1/1/05, limits the unit to 0.018 lbs NOx/mm Btu IN. PG&E has purchased and surrendered to the district of Interchangeable Emission Reduction Credits (IERCs) to comply with the system cap.

[d] San Luis Obispo County APCD Rule 429 limits NOx emissions from all four boiler units to 2.5 tons per day, resulting in an effective emission factor of 0.0209 lbs/mmBtu IN. Emission controls (e.g., SCR) or operations limits or some combination of the two could be used to compliance with the daily mass cap.

[e] Mojave Desert AQMD Rule 1158 requires that after December 31, 2002 NOx emissions from all units at the Coolwater facility (boilers and CTCC) are capped at 1,319 tons per year. SCR in not currently required to comply

[f] South Coast BARCT Rule 2009only requires steam injection on the 7 combustion turbines at the Long Beach combined cycle facility.

[g] NOx emissions limited by Imperial District prohibitory Rule 400

[h] Units 3, 4 and 5 burn landfill gas, which is incompatible with SCR. Grayson facility subject to District Rule 1135 - system cap of 0.2 lbs NOX/MWHR or 390 lbs NOx/day.