

**Annual Electric Control and Planning Area Report
For the Year Ending December 31, 1999**

Part I - Schedule I. Identification and Certification

1. Respondent Identification:

Code: Name: California ISO

2. Respondent Type: (Please check appropriate box and fill in name)

[] Part I: Control Area (Complete Parts I, II and IV)

Control Area Name:

[] Part II: Planning Area (Complete Parts I, III and IV)

Planning Area Name:

3. Respondent Mailing Address:

California Independent System Operator
151 Blue Ravine Road
Folsom, California 95630

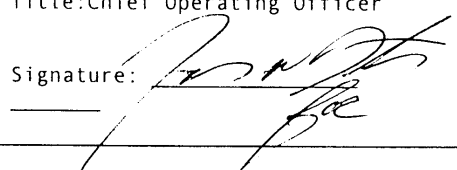
4. Contact Person:

Name: David Hawkins
Title: Principal Engineer

Telephone #: 916 351- 4465 Ext.

5. Certifying Official:

Name: Kellan Fluckiger
Title: Chief Operating Officer

Signature: 

Date: 

**Return Completed Form to: Federal Energy Regulatory Commission
Form No. 714
Room 53-09
888 First Street, N.E.
Washington, DC 20426**

JUN - 1 2000

**Annual Electric Control and Planning Area Report
 for the Year Ending December 31, 1999**

Please Type:
 Utility Code
 Utility Name

Part II - Schedule 1. Generating Plants Included in Reporting Control Area
 (Use continuation sheets if needed)

Under the name of its operating electric utility, list all generating plants (a) within the respondent's control area which are controlled, metered or for which the required information is otherwise available to control area operators and (b) dynamically scheduled plants or units outside the control area. Specifically identify dynamically scheduled plants. Report only plant totals with generators in an operating or standby status. Provide totals for columns (d) and (e) as a last line. The total in column (d) should equal the value in column (c) on Schedule 2 for the month of the annual peak demand. The total in column (e) should equal the value in column (f) on Schedule 3 for the month of the annual peak demand. Any differences must be explained in a note. For specific guidelines, please refer to the attached Schedule 1 Instructions on pages 14 and 15.

Line No. (a)	Electric Utility Name (b)	Plant Name (c)	Plant Available Capability at the Hour of the Annual Peak Demand Based on Net Energy for Load (MW) (d)	Integrated Net Load on the Plant at the Hour of the Annual Peak Demand Based on Net Energy for Load (MW) (e)
1.	PXC1	ADLIN_1_UNIT 1	9	10
2.	PXC1	ADLIN_1_UNIT 2	9	10
3.	WESC	ALAMIT_7_UNIT 1	165	161
4.	WESC	ALAMIT_7_UNIT 2	177	174
5.	WESC	ALAMIT_7_UNIT 3	322	319
6.	WESC	ALAMIT_7_UNIT 4	320	319
7.	WESC	ALAMIT_7_UNIT 5	482	478
8.	WESC	ALAMIT_7_UNIT 6	481	477
9.	WESC	ALAMIT_7_UNIT 7	133	123
10.	CDWR	ALAMO_6_UNIT	12	0
11.	PXC1	ALTENG_2_UNIT 1	43	0
12.	PXC1	ALTENG_2_UNIT 2	24	1
13.	ANHM	ANAHM_7_CT	47	44
14.	PXC1	ANTLPE_2_QF	289	14

15.	PXC1	APPGEN_6_UNIT 1	125	110
16.	PXC1	ARCOGN_2_UNITS	288	324
17.	PXC1	BAILY*_2_UNITS	1	1
18.	PXC1	BALCHS_7_UNIT 1	34	33
19.	PXC1	BALCHS_7_UNIT 2	52	53
20.	PXC1	BALCHS_7_UNIT 3	55	55
21.	PXC1	BARRE_2_OF	0	0
22.	PXC1	BASICE_2_UNITS	105	112
23.	PXC1	BDGRCK_1_UNITS	43	43
24.	PXC1	BEARCN_2_UNIT 1	9	10
25.	PXC1	BEARCN_2_UNIT 2	9	10
26.	PXC1	BEARDS_7_UNIT 1	10	10
27.	PXC1	BEARMT_1_UNIT	43	45
28.	PXC1	BELDEN_7_UNIT 1	118	114
29.	PXC1	BGCRK1_2_PLT 1	212	106
30.	PXC1	BGCRK2_2_PLT 2	117	170
31.	PXC1	BGCRK3_2_PLT 3	248	358
32.	PXC1	BGCRK4_2_PLT 4	71	103
33.	PXC1	BGCRK8_2_PLT 8	47	65
34.	PXC1	BIGVAL_6_UNIT	5	6
35.	PXC1	BIOMAS_1_UNIT 1	31	25
36.	PXC1	BISHOP_1_ALAMO	14	14

37.	PXC1	BISHOP_1_UNITS	16	16
38.	PXC1	BLACK_7_UNIT 1	81	81
39.	PXC1	BLACK_7_UNIT 2	57	23
40.	PGAE	BLCKBT_2_STONEY	7	2
41.	PXC1	BLME_2_UNIT 7	68	85
42.	PXC1	BORAX_1_UNIT 1	35	24
43.	PXC1	BORDEN_2_QF	2	1
44.	PXC1	BORDER_6_DONVAN	3	0
45.	CDWR	BOTRCK_7_UNIT 1	0	0
46.	PXC1	BOWMN_6_UNIT	4	0
47.	PXC1	BRIGEN_1_UNIT 1	26	31
48.	PXC1	BUCKCK_7_UNIT 1	40	57
49.	APX1	BURNYF_2_UNIT 1	30	30
50.	PXC1	BUTTVL_7_UNIT 1	40	39
51.	PXC1	CALGEN_1_UNITS	68	85
52.	PXC1	CALPIN_1_AGNEW	32	27
53.	PXC1	CAMCHE_1_UNIT 1	9	0
54.	PXC1	CAMCHE_1_UNIT 2	9	3
55.	PXC1	CAMCHE_1_UNIT 3	9	3
56.	PGAE	CAMPFW_7_FARWST	5	5
57.	PXC1	CARBGN_6_UNIT 1	30	29
58.	PXC1	CARBOU_6_OAKFLT	1	1

65.	PXC1	CARBOU_7_UNIT 1	33	23
66.	PXC1	CARBOU_7_UNIT 4	25	120
67.	PXC1	CARBOU_7_UNIT23	83	48
67.	PXC1	CARDCG_1_UNITS	44	19
63.	PXC1	CEDRFL_1_BIGCRK	3	0
64.	PXC1	CENTER_2_QF	23	26
65.	PXC1	CHALK_1_UNIT	43	0
66.	PXC1	CHAMIN_1_UNIT 2	3	0
67.	PXC1	CHEVCD_6_UNIT	9	1
68.	PXC1	CHEVCO_6_UNIT 1	15	8
69.	PXC1	CHEVCO_6_UNIT 2	11	1
70.	PXC1	CHEVCP_2_UNIT 1	3	0
71.	PXC1	CHEVCY_1_UNIT	19	13
72.	PXC1	CHEVMN_2_UNIT 1	58	0
73.	PXC1	CHICPK_7_UNIT 1	42	38
74.	PXC1	CHILLS_1_SYCLFL	3	1
75.	PXC1	CHINO_2_QF	16	9
76.	PXC1	CIMGEN_6_UNIT 1	23	26
77.	PXC1	CLOVER_2_UNIT	2	0
78.	PXC1	CLRKRD_6_COALCN	5	1
79.	PXC1	CLRKRD_6_LIMESD	1	1
80.	PXC1	CLRLAK_1_UNIT	3	1

81.	PXC1	CLRM1K_1_QF	1	0
82.	PXC1	CNTRVL_6_UNIT	4	4
83.	SCEM	COCOPP_7_UNIT 6	335	334
84.	SCEM	COCOPP_7_UNIT 7	336	342
85.	PXC1	COGNAT_1_UNIT	39	40
86.	PXC1	COLDGN_6_UNIT 1	21	0
87.	PXC1	COLEMN_2_UNIT	12	11
88.	PXC1	COLGAT_6_SHELLW	41	34
89.	PXC1	COLGAT_7_UNIT 1	168	141
90.	PXC1	COLGAT_7_UNIT 2	167	140
91.	PXC1	COLPIN_6_COLLNS	11	1
92.	PGAE	COLVIL_7_UNIT 1	172	177
93.	PXC1	CONTAN_1_UNIT	26	18
94.	PXC1	CONTRL_1_LUNDY	1	3
95.	PXC1	CONTRL_1_POOLE	11	9
96.	PXC1	CONTRL_1_QF	33	17
97.	PXC1	CONTRL_1_RUSHCK	12	12
98.	PXC1	COTTLE_2_FRNKNH	6	4
99.	PXC1	COWCRK_2_UNIT	1	1
100.	PXC1	CRESSY_1_PARKER	3	2
101.	PXC1	CRESTA_7_UNIT 1	51	62
102.	PXC1	CRNEVL_6_CRNVA	1	1

103.	PXC1	CRNEVL_6_SJON 2	2	0
104.	PXC1	CRNEVL_6_SJON 3	3	2
105.	ECH1	CRNRDO_7_NIGT1	14	0
106.	ECH1	CRNRDO_7_NIGT2	14	18
107.	PXC1	CROKET_7_UNIT	163	224
108.	PGAE	CSCHYD_2_UNIT 1	7	0
109.	PXC1	CTNWDP_1_QF	6	2
110.	PXC1	CTYFAL_1_UNITS	1	0
111.	PXC1	CURIS_1_QF	3	1
112.	NES1	CWATER_7_UNIT 1	63	63
113.	NES1	CWATER_7_UNIT 2	81	77
114.	NES1	CWATER_7_UNIT 3	167	155
115.	NES1	CWATER_7_UNIT 4	167	163
116.	PXC1	DEERCR_6_UNIT 1	5	3
117.	PXC1	DELGEN_6_UNIT	34	36
118.	PXC1	DEVERS_1_QF	293	40
119.	PXC1	DEVERS_1_WNDGEN	17	4
120.	PXC1	DEVERS_2_SNGORG	1	0
121.	PXC1	DEXZEL_1_UNIT	28	29
122.	PXC1	DIABLO_7_UNIT 1	1,090	1,079
123.	PXC1	DIABLO_7_UNIT 2	1,102	1,093
124.	PXC1	DISCOV_1_CHEVRN	43	34

125	PXC1	DIVSON_6_NSOF	32	47
126	ECH1	DIVSON_7_DIGT1	12	0
127	ECH1	DIVSON_7_NSQT1	20	20
128	PXC1	DONNLS_7_UNIT	67	67
129	PXC1	DOUBLC_1_UNITS	43	47
130	PXC1	DOWCHM_1_UNITS	66	43
131	PXC1	DRUM_6_ALTA	2	1
132	PXC1	DRUM_7_UNIT 5	50	50
133	PXC1	DRUM_7_UNIT12	18	26
134	PXC1	DRUM_7_UNIT34	20	28
135	PXC1	DSABLA_7_UNIT	18	14
136	PXC1	DUTCH1_7_UNIT 1	22	21
137	PXC1	DUTCH2_7_UNIT 1	25	25
138	CDWR	DVLCYN_1_UNITS	190	155
139	PXC1	EAGLRK_2_QF	0	0
140	PXC1	EBMUD_1_UNIT 1	4	1
141	PXC1	ECC_7_NARDAC	3	0
142	ECH1	ELCAJN_7_GT1	12	16
143	PXC1	ELECTR_7_UNIT 1	69	97
144	PXC1	ELLIS_2_QF	13	1
145	PXC1	ELNIDS_6_OF	0	0
146	ECH1	ELSEGN_7_UNIT 1	175	159

147	ECH1	ELSEGN_7_UNIT 2	164	150
148	ECH1	ELSEGN_7_UNIT 3	337	295
149	ECH1	ELSEGN_7_UNIT 4	335	268
150	ECH1	ENCINA_7_EA1	104	106
151	ECH1	ENCINA_7_EA2	104	98
152	ECH1	ENCINA_7_EA3	110	70
153	ECH1	ENCINA_7_EA4	300	248
154	ECH1	ENCINA_7_EA5	330	252
155	ECH1	ENCINA_7_GT1	16	0
156	PXC1	ESCO_6_GLMQF	34	50
157	PXC1	ETIWND_2_FONTNA	2	1
158	PXC1	ETIWND_2_QF	31	19
159	SCE1	ETIWND_6_MWDETI	16	7
160	NES1	ETIWND_7_UNIT 1	115	115
161	NES1	ETIWND_7_UNIT 2	91	65
162	NES1	ETIWND_7_UNIT 3	260	229
163	NES1	ETIWND_7_UNIT 4	260	232
164	NES1	ETIWND_7_UNIT 5	96	24
165	PXC1	EXCHEC_7_UNIT 1	86	87
166	PXC1	FAIRHV_6_UNIT	15	16
167	PXC1	FAYETT_1_UNIT	26	0
168	PXC1	FELLOW_1_SHELLW	6	3

169	PXC1	FELLOW_1_TENNCO	5	5
170	PXC1	FLANDF_1_UNIT 1	22	0
171	PXC1	FLOWD2_2_UNIT 1	67	5
172	PXC1	FMEADO_7_UNIT	12	15
173	PXC1	FORBST_7_UNIT 1	37	37
174	PXC1	FORKBU_6_UNIT	13	0
175	PXC1	FOSTER_2_UNITS	95	30
176	PXC1	FRIANT_6_UNITS	26	29
177	PXC1	FRITO_1_LAY	6	1
178	PXC1	FULTON_1_QF	3	1
179	EPMI	GARNET_1_UNIT 1	5	2
180	EPMI	GARNET_1_UNIT 2	5	1
181	EPMI	GARNET_1_UNIT 3	2	1
182	PXC1	GAYCRZ_1_UNIT 1	44	25
183	PXC1	GENDYN_6_COMPSC	3	0
184	PXC1	GENSEE_6_QUALCM	3	0
185	PXC1	GERGPF_6_UNIT	14	2
186	APX1	GEYS11_7_UNIT11	58	64
187	APX1	GEYS12_7_UNIT12	38	37
188	APX1	GEYS13_7_UNIT13	97	77
189	APX1	GEYS14_7_UNIT14	63	52
190	APX1	GEYS16_7_UNIT16	113	70

191	APX1	GEYS17_7_UNIT17	47	40
192	APX1	GEYS18_7_UNIT18	60	55
193	APX1	GEYS20_7_UNIT20	45	48
194	PXC1	GILROY_1_UNIT	123	123
195	PXC1	GOLDHL_1_QF	1	0
196	PXC1	GOLETA_2_QF	14	1
197	NES1	GOLETA_6_ELLWOD	54	55
198	PXC1	GOLETA_6_EXGEN	37	0
199	PXC1	GRIZLY_1_UNIT 1	20	21
200	PXC1	GRNLF1_1_UNIT 1	43	50
201	PXC1	GRNLF2_1_UNIT	2	49
202	PXC1	GRSAMR_1_AMER	5	1
203	PXC1	GRSGUD_2_GUADLP	3	2
204	PXC1	GRSMNL_1_MENLO	4	2
205	PXC1	GRSMTV_1_MTNVEW		1
206	PXC1	GWFPW1_6_UNIT	19	19
207	PXC1	GWFPW2_1_UNIT 1	19	18
208	PXC1	GWFPW3_1_UNIT 1	19	19
209	PXC1	GWFPW4_6_UNIT 1	19	19
210	PXC1	GWFPW5_6_UNIT 1	19	19
211	PXC1	GWFPWR_6_UNIT	20	23
212	APX1	GYS5X6_7_UNITS	106	79

213	APX1	GYS7X8_7_UNITS	72	68
214	APX1	GYS910_7_UNITS	57	55
215	PXC1	HAASPH_7_UNIT 1	98	144
216	PXC1	HALSEY_6_UNIT	9	9
217	PXC1	HAMMKN_6_UNITS	1	0
218	EMMT	HARBGN_7_UNITS	98	82
219	PXC1	HATCH+_1_HATCHT	7	1
220	PXC1	HATCH+_1_LOSTCK	3	0
221	PXC1	HATCH+_1_ROARNG	3	0
222	PXC1	HATCH+_2_COVERD	5	0
223	PXC1	HATCR1_7_UNIT	7	5
224	PXC1	HATCR2_7_UNIT	7	7
225	PXC1	HATLOS_6_UNIT 1	3	2
226	PXC1	HATLOS_6_UNIT 2	2	1
227	PXC1	HATLOS_6_UNIT 3	1	0
228	PXC1	HATLOS_6_UNIT 4	1	0
229	PXC1	HAYPRS_6_UNIT 1	6	0
230	PXC1	HAYPRS_6_UNIT 2	8	0
231	PXC1	HELMPG_7_UNIT 1	404	315
232	PXC1	HELMPG_7_UNIT 2	404	239
233	PXC1	HELMPG_7_UNIT 3	404	315
234	WESC	HIGHGV_1_UNIT 1	33	27

235	WESC	HIGHGV_1_UNIT 2	25	27
236	WESC	HIGHGV_1_UNIT 3	45	43
237	WESC	HIGHGV_1_UNIT 4	45	30
238	PXC1	HINSON_6_QF	0	0
239	PXC1	HMLTBR_6_UNITS	7	4
240	WESC	HNTGBH_7_UNIT 1	215	215
241	WESC	HNTGBH_7_UNIT 2	215	216
242	WESC	HNTGBH_7_UNIT 3	0	0
243	WESC	HNTGBH_7_UNIT 4	0	0
244	WESC	HNTGBH_7_UNIT 5	133	135
245	PXC1	HONEYL_6_UNIT	26	14
246	PXC1	HUMBPP_6_MOBLES	29	0
247	PXC1	HUMBPP_7_UNIT 1	52	51
248	PXC1	HUMBPP_7_UNIT 2	53	52
249	PXC1	HUMBSB_1_QF	1	0
250	PXC1	HUNTER_7_UNIT 1	35	28
251	PXC1	HUNTER_7_UNIT 2	82	62
252	PXC1	HUNTER_7_UNIT 3	58	58
253	PXC1	HUNTER_7_UNIT 4	111	0
254	CDWR	HYTTHM_2_UNITS	933	901
255	PXC1	ICEGEN_6_UNIT	38	43
256	PXC1	IGNACO_1_QF	2	0

257	PXC1	INDVLY_1_UNITS	3	3
258	PXC1	INSKIP_2_UNIT	21	8
259	PXC1	INTTRB_6_UNIT	14	4
260	PXC1	JAKVAL_2_IONE	16	10
261	PXC1	JESSUP_1_HUDSON	8	6
262	PXC1	JRWOOD_1_UNIT 1	10	8
263	PXC1	JVENTR_2_UNIT 1	29	2
264	PXC1	KALINA_2_UNIT 1	6	6
265	PXC1	KANAKA_1_UNIT	2	0
266	ECH1	KEARNY_7_KY1	0	17
267	ECH1	KEARNY_7_KY2	49	53
268	ECH1	KEARNY_7_KY3	48	55
269	PXC1	KEKAWK_6_UNIT	5	0
270	PXC1	KELYRG_6_UNIT	10	11
271	PXC1	KERKH1_7_UNIT 1	9	0
272	PXC1	KERKH1_7_UNIT 2	9	0
273	PXC1	KERKH1_7_UNIT 3	9	0
274	PXC1	KERKH2_7_UNIT 1	151	137
275	PXC1	KERNFT_1_UNITS	43	48
276	PXC1	KERNRG_1_UNITS	43	15
277	PXC1	KERRGN_1_UNIT 1	25	24
278	PXC1	KERRMG_1_UNIT 1	60	19

279	PXC1	KILARC_2_UNIT 1	3	3
280	PXC1	KINGCO_1_KINGBR	31	35
281	PXC1	KINGRV_7_UNIT 1	52	47
282	PXC1	KRNCNY_6_UNIT	8	0
283	PXC1	KYCORA_7_UNIT 1	3	0
284	PXC1	LACIEN_2_OF	8	0
285	PXC1	LAFRES_6_OF	22	9
286	PXC1	LAGBEL_6_OF	34	33
287	APX1	LAKE_2_SMDTIE		0
288	PXC1	LASPOS_6_FLOWND	8	0
289	PXC1	LASPOS_6_USWIND	10	3
290	ECH1	LBEACH_2_230TOT	117	106
291	ECH1	LBEACH_6_66TOT	258	231
292	PXC1	LFC 51_2_UNIT 1	26	2
293	PXC1	LGHTHP_6_QF	4	1
294	PXC1	LIVOAK_1_UNIT 1	43	43
295	PXC1	LOSTHL_6_UNIT	10	2
296	PXC1	LUZ_2_SEGS 8	68	62
297	PXC1	LUZ_2_SEGS 9	68	38
298	PXC1	MALCHQ_7_UNIT 1	28	21
299	PXC1	MARKHM_1_CATLST	6	0
300	APX1	MARTEL_2_AMFOR	12	9

301	PXC1	MCCALL_1_QF	41	0
302	PXC1	MCGEN_1_UNIT	80	107
303	PXC1	MCSWAN_6_UNITS	9	7
304	PXC1	MDRCHW_2_UNIT	3	2
305	PXC1	MEDOLN_1_QF	1	0
306	PXC1	MELONP_7_UNITS	349	185
307	PXC1	MENBIO_6_UNIT	26	24
308	PXC1	MERCFL_6_UNIT	4	3
309	PXC1	MESA_S_2_QF	2	16
310	PXC1	MESAP_1_QF	2	0
311	PXC1	METCLF_1_QF	1	0
312	PXC1	MIDFRK_7_UNIT 1	135	125
313	PXC1	MIDSET_1_UNIT 1	41	34
314	PXC1	MIDWAY_1_QF	4	0
315	PXC1	MIL&MT_1_MATHEW	2	0
316	PXC1	MILBRA_1_QF	1	0
317	PXC1	MISSIX_1_QF	3	0
318	PXC1	MKTRCK_1_UNIT 1	43	42
319	NES1	MNDALY_7_UNIT 1	148	116
320	NES1	MNDALY_7_UNIT 2	146	120
321	NES1	MNDALY_7_UNIT 3	90	25
322	PXC1	MNTGRY_6_ROHR1	3	0

323	PXC1	MNTVIS_1_QF	4	1
324	PXC1	MOBGEN_6_UNIT 1	32	0
325	PXC1	MOOSTO_1_UNIT 1	13	11
326	PXC1	MOGEN_1_UNIT	43	52
327	PXC1	MOHAVE_7_UNIT 1	790	672
328	PXC1	MOHAVE_7_UNIT 2	790	716
329	CDWR	MOJAVE_1_SIPHON	20	7
330	PXC1	MONLTH_6_BOREL	11	10
331	PXC1	MONTER_1_MARINA	3	2
332	PXC1	MONTPH_7_UNITS	11	12
333	PXC1	MOORPK_6_QF	24	27
334	DETM	MORBAY_7_UNIT 1	163	160
335	DETM	MORBAY_7_UNIT 2	163	161
336	DETM	MORBAY_7_UNIT 3	337	334
337	DETM	MORBAY_7_UNIT 4	333	0
338	PXC1	MOSSLD_1_QF	7	4
339	DETM	MOSSLD_7_UNIT 6	737	738
340	DETM	MOSSLD_7_UNIT 7	737	748
341	ECH1	MRGT_7_UNITS	39	34
342	PXC1	MSHGTS_6_MMARLF	7	1
343	PXC1	MSSION_2_QF	34	8
344	PXC1	MSSION_6_UNTRIB	3	0

345	PXC1	MTNLAS_6_UNIT	11	11
346	ECH1	MTNPOS_1_UNIT	36	54
347	PXC1	MTNPWR_7_BURNEY	10	10
348	PXC1	MURPAG_1_ANGLSP	1	1
349	PXC1	MURPAG_1_MURPHY	3	2
350	PXC1	MURRAY_6_SDSU1	3	0
351	PXC1	N HGAN_2_UNIT	3	2
352	PXC1	NAPA_2_UNIT	2	0
353	PXC1	NAROW1_2_UNIT	9	0
354	PXC1	NAROW2_2_UNIT	48	39
355	PXC1	NAVY35_1_UNITS	52	9
356	PXC1	NAVYII_2_UNIT 4	68	85
357	PGAE	NCPA_7_GP1UN1	52	146
358	PXC1	NEWARK_1_QF	1	0
359	PXC1	NIMTG_6_NICOGN	3	0
360	PXC1	NIMTG_6_NIQF	25	36
361	PXC1	NOVINV_1_RICHMD	3	2
362	PXC1	NWCSTL_7_UNIT 1	8	0
363	DETM	OAK C_7_UNIT 1	24	22
364	DETM	OAK C_7_UNIT 2	35	0
365	DETM	OAK C_7_UNIT 3	49	49
366	PXC1	OILDAL_1_UNIT 1	36	37

367	ECH1	OLDTWN_7_NTCGF1	11	15
368	PXC1	OLINDA_2_QF	13	5
369	PXC1	OLS_1_UNIT	24	27
370	PXC1	OLSEN_2_UNIT	5	0
371	PXC1	OMAR_2_UNIT 1	233	256
372	PXC1	ONLLPP_6_UNITS	21	2
373	NES1	ORMOND_7_UNIT 1	750	650
374	NES1	ORMOND_7_UNIT 2	750	675
375	PXC1	OROVIL_6_UNIT	8	7
376	PXC1	OTAY_6_UNIT	3	3
377	PXC1	OXBOW_1_CONTRL	44	54
378	PXC1	OXBOW_6_DRUM	6	6
379	PXC1	OXGEN_6_UNIT	38	48
380	PXC1	PACLUM_6_UNIT	18	12
381	PXC1	PACORO_6_UNIT	19	18
382	PXC1	PADUA_2_ONTARO	1	0
383	PXC1	PADUA_6_QF	27	7
384	PXC1	PALALT_1_LNDFLL	3	2
385	PXC1	PALMRC_1_YOLOLF	2	1
386	PXC1	PANDOL_6_UNIT	43	48
387	PXC1	PARDEB_2_UNIT 1	9	7
388	PXC1	PARDEB_2_UNIT 2	7	7

389	PXC1	PARDEB_2_UNIT 3	9	0
390	PGAE	PARKER_2_MDT11	1	0
391	PXC1	PHOENX_1_UNIT	225	1
392	CDWR	PINFLT_7_UNITS	30	160
393	PXC1	PIT1_7_UNIT 1	32	29
394	PXC1	PIT1_7_UNIT 2	48	30
395	PXC1	PIT3_7_UNIT 1	47	64
396	PXC1	PIT4_7_UNIT 1	65	51
397	PXC1	PIT5_7_UNIT 1	65	67
398	PXC1	PIT5_7_UNIT 3	2	67
399	PXC1	PIT5QF_2_NELSON	56	0
400	PXC1	PIT6_7_UNIT 1	56	35
401	PXC1	PIT6_7_UNIT 2	39	36
402	PXC1	PIT7_7_UNIT 1	40	5
403	PXC1	PIT7_7_UNIT 2	38	6
404	SCEM	PITTSP_7_UNIT 1	37	150
405	SCEM	PITTSP_7_UNIT 2	163	153
406	SCEM	PITTSP_7_UNIT 3	154	31
407	SCEM	PITTSP_7_UNIT 4	105	153
408	SCEM	PITTSP_7_UNIT 5	145	319
409	SCEM	PITTSP_7_UNIT 6	310	314
410	SCEM	PITTSP_7_UNIT 7	317	665

411	PXC1	PLACVL_1_CHILIB	690	8
412	PXC1	PLACVL_1_RCKCRE	8	0
413	PXC1	PLESSL_1_UNIT	3	1
414	PXC1	POEPH_7_UNIT 1	3	38
415	PXC1	POEPH_7_UNIT 2	46	36
416	SCÉM	POTRPP_7_UNIT 3	41	204
417	SCÉM	POTRPP_7_UNIT 4	207	50
418	SCÉM	POTRPP_7_UNIT 5	52	50
419	SCÉM	POTRPP_7_UNIT 6	52	51
420	PXC1	PÖTTER_6_UNITS	46	3
421	PXC1	PROCGN_6_UNIT	38	44
422	PGAE	PSUEDO_2_UNIT 1	127	126
423	APX1	PSUEDO_2_UNIT 2	3	0
424	COTP	PSUEDO_2_UNIT 3	1,000	917
425	COTP	PSUEDO_2_UNIT 4	58	580
426	SCE1	PSUEDO_2_UNIT 5	68	19
427	PAC1	PSUEDO_2_UNIT13	1	0
428	WAMP	PSUEDO_2_UNIT19	45	45
429	PXC1	PTCHGN_6_UNIT 1	22	15
430	PXC1	PTLOMA_6_NTCCGN	3	2
431	PXC1	PTLOMA_6_NTCQF	15	22
432	PXC1	PTLOMA_6_SEAWLD	3	0

433	PXC1	PULPGN_6_UNIT	30	31
434	PXC1	RALSTN_7_UNIT 1	86	82
435	PGAE	RANCHO_2_SMDTIE		0
436	PXC1	RCKCRK_7_UNIT 1	56	54
437	PXC1	RCKCRK_7_UNIT 2	56	50
438	PXC1	RECTOR_2_KAWEAH	7	5
439	PXC1	RECTOR_2_KAWH 1	2	2
440	PXC1	RECTOR_2_QF	17	16
441	WESC	REDOND_7_UNIT 5	166	175
442	WESC	REDOND_7_UNIT 6	119	0
443	WESC	REDOND_7_UNIT 7	480	477
444	WESC	REDOND_7_UNIT 8	329	0
445	PXC1	RHONDO_2_QF	5	4
446	PXC1	RIOBRV_6_UNIT 1	24	0
447	PXC1	RIOOSO_1_QF	5	1
448	PXC1	RIOQF_6_OLCESE	14	5
449	PXC1	ROLLIN_6_UNIT	2	12
450	PXC1	S.R.I._2_UNIT	6	0
451	PXC1	SALIRV_2_UNIT	44	32
452	PXC1	SALTSP_7_UNITS	31	25
453	PXC1	SAMPSN_6_KELCO1	17	12
454	PXC1	SANJOA_1_UNIT 1	48	45

455	PXC1	SANTFG_7_UNITS	71	66
456	PXC1	SANTGO_6_OF	16	17
457	PXC1	SARGNT_2_UNIT	44	30
458	PXC1	SAUGUS_6_OF	8	5
459	PXC1	SBERDO_2_OF	10	0
460	PXC1	SBERDO_2_SNTANA	5	0
461	WESC	SBERDO_7_UNIT 1	64	63
462	WESC	SBERDO_7_UNIT 2	64	63
463	PXC1	SEAWST_6_LAPOS	76	1
464	PXC1	SEGS_1_SEGS1	43	43
465	PXC1	SERRGN_6_UNIT 1	26	31
466	PXC1	SGREGY_6_SANGER	37	38
467	PXC1	SHELL_1_SEKER	31	18
468	PXC1	SIERRA_1_UNITS	43	48
469	PXC1	SJCONV_1_UNIT 1	2	0
470	PXC1	SJEMRG_1_UNIT	33	0
471	CDWR	SLUISP_2_UNITS	222	180
472	PXC1	SLYCRK_1_UNIT 1	9	12
473	PXC1	SMARQF_1_UNIT 1	8	8
474	PXC1	SMPAND_7_UNIT	37	33
475	PXC1	SMPPAP_6_UNIT	32	0
476	PXC1	SMPRIIP_1_SMPSON	48	45

477	PXC1	SMRCOS_6_UNIT 1	3	1
478	APX1	SMUDGO_7_UNIT 1	53	45
479	PXC1	SNCLRA_6_QF	27	6
480	PXC1	SNDBAR_7_UNIT 1	14	16
481	DETM	SOBAY_7_GT1	12	8
482	DETM	SOBAY_7_SY1	142	145
483	DETM	SOBAY_7_SY2	150	151
484	DETM	SOBAY_7_SY3	175	179
485	DETM	SOBAY_7_SY4	222	223
486	PXC1	SOLDAD_1_SLDPRS	3	0
487	PXC1	SONGS_7_UNIT 2	1,100	1,113
488	PXC1	SONGS_7_UNIT 3	1,100	1,106
489	PXC1	SONOMA_6_UNIT	6	4
490	PXC1	SOUTH_2_UNIT	7	7
491	PXC1	SPAULD_6_UNIT12	15	11
492	PXC1	SPBURN_2_UNIT 1	18	11
493	PXC1	SPI LI_2_UNIT 1	7	5
494	APX1	SPIAND_1_UNIT	3	1
495	PGAE	SPICER_1_UNIT 1	2	5
496	PXC1	SPQUIN_6_SRPCQU	19	20
497	PXC1	SPRGAP_1_UNIT 1	5	6
498	PXC1	SPRGVL_2_QF	9	1

499	PXC1	SPRGVL_2_TULE	5	1
500	PXC1	SPRGVL_2_TULESC	2	2
501	PXC1	SPSUSN_6_UNIT	14	11
502	PXC1	STAGN_1_UNIT 1	3	0
503	PXC1	STANIS_7_UNIT 1	62	10
504	PXC1	STAT B_6_SOLTRB	3	0
505	PXC1	STAUFF_1_UNIT	4	0
506	PGAE	STIGCT_2_LODI	35	45
507	PXC1	STNRES_1_UNIT	16	18
508	PXC1	STOILS_1_UNITS	87	13
509	PXC1	STOKCG_1_UNIT 1	44	32
510	PXC1	SUNGEN_1_SEGS 3	30	31
511	PXC1	SUNGEN_1_SEGS 4	29	30
512	PXC1	SUNGEN_1_SEGS 5	29	31
513	PXC1	SUNGEN_1_SEGS 6	26	31
514	PXC1	SUNGEN_1_SEGS 7	26	32
515	PXC1	SUNNY_1_UNIT	6	6
516	PXC1	SUNSET_2_UNITS	230	209
517	PXC1	SYCAMR_2_UNIT 1	260	302
518	PXC1	TANHIL_6_SOLART	15	14
519	PXC1	TBLMTN_6_QF	6	2
520	PXC1	TENACO_6_KERN	22	17

520	PXC1	TENGEN_6_UNIT 1	16	20
521	PXC1	TENGEN_6_UNIT 2	17	20
522	PXC1	TESLA_1_OF	3	1
523	PXC1	THMENG_1_UNIT 1	19	21
524	PXC1	TIGRCK_7_UNITS	62	59
525	PXC1	TKOPWR_2_UNIT	3	0
526	PXC1	TOADTW_6_UNIT	1	1
527	PXC1	TULLCK_7_UNITS	17	17
528	PXC1	TXMCKT_6_UNIT	10	2
529	PGES	TXNMD_1_UNIT 2	25	3
530	PXC1	ULTOGL_1_POSO	40	34
531	PXC1	ULTPBL_6_UNIT 1	25	0
532	PXC1	ULTPCH_1_UNIT 1	20	16
533	PXC1	ULTRCK_2_UNIT	18	22
534	PXC1	ULTRGN_6_UNIT	31	35
535	EPMI	UNCHEM_1_UNIT	25	23
536	PXC1	UNOCAL_1_UNITS	44	0
537	PXC1	UNTDQF_7_UNITS	26	27
538	PXC1	UNVRSY_1_UNIT 1	34	34
539	PXC1	URBAN_6_NMED1	3	0
540	PXC1	USWND1_2_UNITS	40	10
541	PXC1	USWND2_1_UNITS	124	18

542	PXC1	USWND4_2_UNITS	70	9
543	PGAE	USWNR2_2_SMUD	5	0
544	PXC1	USWNR2_2_UNITS	52	13
545	PXC1	USWPJR_2_UNITS	66	10
546	PXC1	VACADX_1_QF	12	0
547	PXC1	VALLEY_2_QF	3	0
548	PXC1	VESTAL_2_KERN	12	27
549	PXC1	VESTAL_6_QF	13	6
550	PXC1	VICTOR_1_QF	14	0
551	PXC1	VILLPK_2_QF	0	0
552	PXC1	VINCNT_2_QF	221	18
553	PXC1	VISTA_2_MILLCK	3	0
554	PXC1	VISTA_6_QF	0	0
555	PXC1	VOLTA_2_UNIT 1	9	8
556	PXC1	VOLTA_2_UNIT 2	1	1
557	PXC1	W.SPRG_6_UNIT 1	3	1
558	PXC1	WADHAM_6_UNIT	24	26
559	PXC1	WALNUT_6_HILLGEN	38	47
560	PXC1	WALNUT_6_QF	13	6
561	PXC1	WAPAT1_2_COTNWD	510	0
562	PXC1	WAPAT2_5_TRACY5	680	0
563	PXC1	WAPAT3_2_TRACY2		0

564	PGAE	WAPIPT_5_ANCSVC		409
565	CDWR	WARNE_2_UNIT	76	63
566	PXC1	WATSON_1_CICCOG	27	29
567	PXC1	WDFRDF_2_UNITS	26	27
568	PXC1	WDLEAF_7_UNIT 1	60	56
569	PXC1	WEABKR_7_UNIT	2	0
570	PXC1	WEBER_2_DIAMND	5	4
571	PXC1	WEBRFL_1_UNIT 1	2	0
572	PXC1	WELLPT_1_UNOCAL	3	0
573	PXC1	WESTPT_2_UNIT	2	14
574	PXC1	WILLMT_6_UNIT 1	19	15
575	PXC1	WISE_1_UNIT 1	14	12
576	PXC1	WISE_1_UNIT 2	2	0
577	PXC1	WISHON_6_UNITS	13	0
578	PXC1	WN&AMD_6_UNIT 1	1	0
579	PXC1	WN&AMD_6_UNIT 2	3	0
580	PXC1	WNDMAS_2_UNIT 1	58	0
581	PXC1	WOLFEN_6_UNIT 1	2	1
582	PXC1	WOODWR_1_UNIT	3	2
583	PXC1	WSENGY_1_UNIT 1	48	50
584	PXC1	WWIND_2_WSTWND	30	2
585	PXC1	YONTVL_1_UNIT	3	0

586	PXC1	YUBACT_1_SUNSWI	43	49
587	PXC1	ZOND_6_UNIT	18	4
588	PXC1	AGENCY_UNITS	447	445
		TOTAL	42,428	36,370

**Annual Electric Control and Planning Area Report
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Part II - Schedule 2. Control Area Monthly Capabilities at Time of Monthly Peak Demand

The peak demand and other terms used in this schedule are defined in the attached instructions for Schedule 2, pages 15 through 18. Please first read the instructions, then complete this Schedule. The value in column (c) for the month of the annual peak demand should equal the total in column (d) in Schedule 1. Any difference must be explained in a note.
Net Capability at the Time of the Monthly Peak Demand, Based on Control Area Net Energy For Load (NEL)

Line No. (a)	Month (b)	Net Capability from Plants Reported on Schedule 11					External to the Control Area Net Unit or Firm Capability (MW)		Total Capability (g + h + i) (MW) (j)
		Available Capability (MW) (c)	Unavailable Capability Due to:			Total (c + d + e + f) (MW) (g)	Available (MW) (h)	Not Available (MW) (i)	
			Planned Outage and Derating (MW) (d)	Unplanned Outage and Derating (MW) (e)	Other Outage and Derating* (MW) (f)				
		43,914	33	0	0	43,947	2,785	46,732	
1.	Jan	43,621	326	0	0	43,947	2,785	46,732	
2.	Feb	42,394	829	724	0	43,947	2,785	46,732	
3.	Mar	41,723	1,271	0	0	42,994	1,995	45,779	
4.	Apr	40,954	1,634	0	0	42,588	2,785	45,373	
5.	May	42,118	742	0	0	42,860	2,785	45,645	
6.	Jun	42,428	671	0	0	43,099	2,785	45,884	
7.	Jul	43,947	0	0	0	43,947	2,785	46,732	
8.	Aug	40,597	917	1,102	0	42,616	2,785	45,401	
9.	Sep	41,079	64	1,102	0	42,245	2,785	45,030	
10.	Oct	41,068	935	724	0	42,727	2,785	45,512	
11.	Nov	40,696	1,026	0	0	41,722	2,785	44,507	
12.	Dec								

* Reductions in capability due to fuel supply problems, environmental restrictions, lack of transmission availability at a generating plant, etc.

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Part II - Schedule 3. Control Area Net Energy for Load and Peak Demand Sources by Month

Enter the monthly "Net Energy for Load" which is the amount of energy that the control area requires internally including control area losses. The total in column (d) should equal the difference in the totals for columns (e) and (f) on Schedule 5. The value in column (f) for the month of the annual peak demand should equal the total in column (e) in Schedule 1. Any differences must be explained in a note. For detailed instructions and definitions, please refer to attached Schedule 3 Instructions on pages 19 and 20.

Line No. (a)	Month (b)	Control Area Net Generation (MWh) (c)	Net Actual Interchange (MWh) (d)	Net Energy for Load (MWh) (c + d) (e)	Control Area Load Sources at Time of Control Area Monthly Peak Demand, Based on Net Energy For Load (NEL)					Monthly Minimum Demand (MW) (k)
					Output of Generating Plants (MW) (f)	Unit or Firm Purchases (MW) (g)	Unit or Firm Sales (MW) (h)	Net Non-Firm & Inadvertent (MW) (i)	Monthly Peak Demand (MW) (f+g-h+i) (j)	
1.	January	12,675,797	-5,191,687	17,867,484	22,119	10,441	1273	65	31,352	17,147
2.	February	11,839,090	-4,439,355	16,278,445	22,972	9,040	797	3	31,218	17,341
3.	March	13,283,875	-4,899,919	18,183,794	23,240	8,677	956	10	30,971	17,623
4.	April	12,400,156	-4,912,644	17,312,800	23,989	7,831	739	0	31,081	17,018
5.	May	13,494,973	-4,489,496	17,984,469	25,189	8,710	1,207	25	32,717	16,927
6.	June	14,987,277	-4,171,377	19,158,654	32,952	10,078	2,194	60	40,896	17,139
7.	July	16,571,097	-4,914,245	21,485,342	36,370	11,842	2,464	136	45,884	18,365
8.	August	16,748,377	-4,839,571	21,587,948	36,913	10,410	3,483	85	43,925	19,087
9.	September	14,959,542	-5,150,312	20,109,854	31,220	10,741	1,873	0	40,088	18,896
10.	October	15,487,074	-4,487,409	19,974,483	28,161	10,847	2,362	46	36,692	18,462
11.	November	13,112,526	-4,945,319	18,057,845	23,382	10,380	1,248	85	32,599	18,038
12.	December	13,458,938	-5,824,497	19,283,435	26,185	9,230	1,166	70	34,319	18,322
13.	Total	169,018,722	-58,265,831	227,284,553						

Part II - Schedule 4. Adjacent Control Area Interconnections

Identify on this schedule: each adjacent control area with which the respondent control area is interconnected in column (b), all the interconnection line or bus names with the adjacent control area in column (c), and the line or bus voltage in column (d). See Schedule 4 Instructions on pages 20 and 21.

Line No. (a)	Name of Adjacent Control Area (b)	Control Area Interconnection Line or Bus Names (c)	Line or Bus Voltage (kV) (d)
1.	ARIZONA PUBLIC SERVICE (APS) ARIZONA PUBLIC SERVICE (APS)	MOENKOPI - EL DORADO NORTH GILA - IMPERIAL VALLEY	500 KV 500 KV
2.	BONNEVILLE POWER ADMINISTRATION (BPA) BONNEVILLE POWER ADMINISTRATION (BPA)	CAPTAIN JACK - OLINDA MALIN - ROUND MOUNTAIN #1 & #2	500 KV 500 KV
3.	COMISION FEDERAL ELECTRICIDAD (CFE) COMISION FEDERAL ELECTRICIDAD (CFE)	TIJUANA - MIGUEL ROSITA - IMPERIAL VALLEY	230 KV 230 KV
4.	IMPERIAL IRRIGATION DISTRICT (IID) IMPERIAL IRRIGATION DISTRICT (IID)	COACHELLA - DEVERS EL CENTRO - IMPERIAL VALLEY	230 KV 230 KV
5.	IMPERIAL IRRIGATION DISTRICT (IID) LOS ANGELES DEPARTMENT OF WATER & POWER (LDWP)	COACHELLA VALLEY - MIRAGE McCULLOUGH - EL DORADO	230 KV 500 KV
6.	LOS ANGELES DEPARTMENT OF WATER & POWER (LDWP) LOS ANGELES DEPARTMENT OF WATER & POWER (LDWP)	LAGUNA BELL - VELASCO CONTROL-HAIWEE-INYOKERN INTERCONNECTION	220/230 KV 115/34.5 KV
7.	LOS ANGELES DEPARTMENT OF WATER & POWER (LDWP) LOS ANGELES DEPARTMENT OF WATER & POWER (LDWP)	CONTROL - INYO SYLMAR INTERCONNECTION	115/230 KV 220/230 KV
8.	LOS ANGELES DEPARTMENT OF WATER & POWER (LDWP) NEVADA POWER COMPANY	VICTORVILLE - LUGO LAUGHLIN - MOHAVE	500 KV 500/69 KV Transformer
9.	NEVADA POWER COMPANY PACIFICCORP WEST (PACW)	LAUGHLIN - MOHAVE CRAG - CASCADE	69 KV 115 KV
10.	PASADENA (PASA) SIERRA PACIFIC POWER CO (SPP)	GOODRICH - Transformers #1, 2, & 3 SPAULDING - SUMMIT	230/34 KV 60 KV
11.	SIERRA PACIFIC POWER CO (SPP) SIERRA PACIFIC POWER CO (SPP)	SILVER PEAK - CONTROL - A&B LINES DRUM - SUMMIT - LINES 1 & 2	55 KV 115 KV
12.	SALT RIVER PROJECT (SRP) SALT RIVER PROJECT (SRP)	NORTH GILA - PALO VERDE PALO VERDE - DEVERS	500 KV 500 KV
13.	WESTERN AREA POWER AUTHORITY - DESERT SOUTHWEST (WALC) WESTERN AREA POWER AUTHORITY - DESERT SOUTHWEST	BLYTHE TIE MEAD - ELDORADO	161/33 KV 230 KV
14.	WESTERN AREA POWER AUTHORITY - DESERT SOUTHWEST WESTERN AREA POWER AUTHORITY - DESERT SOUTHWEST (WALC)	MEAD - CAMINO PARKER - GENE	230 KV 230 KV

**Annual Electric Control and Planning Area Report
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Please Type:
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**Part II - Schedule 5.
 Control Area Scheduled and Actual Interchange**

Identify on this schedule each control area with which the reporting control area has actual or scheduled interchange of energy, in column (b); the total annual megawatthours (MWh) of the scheduled interchange that were received by the reporting control area through all interconnection points with each control area, in column (c); the MWh of scheduled interchange delivered to each control area, in column (d); the MWh of total annual actual interchange received and delivered within each adjacent control area, in columns (e) and (f). Provide totals for columns (c), (d), (e) and (f). The difference in the totals for columns (e) and (f) should equal the total in column (d) on Schedule 3. Any difference must be explained in a note. See Schedule 5 Instructions on page 21.

Line No	Name of Control Area (b)	Scheduled Interchange Between Control Areas (MWh)		Actual Interchange Between Adjacent Control Areas (MWh)	
		Received (c)	Delivered (d)	Received (e)	Delivered (f)
1.	AFS	-7,191,538	0	-7,554,395	0
2.	BPA	-21,257,191	0	-20,568,662	0
3.	CFE	-5,010	548,440	-4,867	548,106
4.	IID	-3,041,812	0	-1,796,315	0
5.	LDWP	-8,245,388	0	-11,194,857	0
6.	NEVP	0	391,228	0	397,183
7.	PACW	-579,159	0	-578,211	0
8.	PASA*	0	557,575	0	557,301
9.	SPP	-305,688	0	-282,430	0
10.	SRP WALC	-17,187,905 -1,972,098	0 63,499	-16,009,586 -1,779,098	0 0
	Total	-59,785,789	1,560,742	-59,768,421	1,502,590

Part II - Schedule 6. Control Area System Lambda Data

Submit on a 3.5 inch diskette formatted for the DOS operating system the following data file in ASCII format: the control area's system lambda for each hour of the year starting with 1 a.m., January 1, 1999. Identify clearly the time zone in which this time series is made. The file should have 8760 records (8784 for leap years). Each record is to contain the system lambda value at the clock hour in dollars per megawatthour (mills per kilowatthour) or an "NA" for those hours when system lambda was not calculated.

Control Area Hourly System Lambda. For control areas where demand following is primarily performed by thermal generating units, the system lambda is derived from the economic dispatch function associated with automatic generation control performed at the controlling utility or pool control center. Excluding transmission losses, the fuel cost (\$/hr) for a set of on-line and loaded thermal generating units (steam and gas turbines) is minimum¹ when each unit is loaded and operating at the same incremental fuel cost (\$/MWh)² with the sum of the unit loadings (MW) equal to the system demand plus the net of interchange with other control areas. This single incremental cost of energy is the system lambda. System

Provide, as a note in Part IV, an explanation describing the reason for the unavailability of system lambda information and a definite plan for reporting the information with a target date. The Commission expects that all Energy Management Systems, with proper instructions, can record the system lambda being used for economic dispatch of the control area's thermal units.

Respondents should be able to report system lambda, along with the other information reported on a control area basis, that describe the operation of such areas from information that should be readily available. The Commission is not requesting Respondents to develop incremental or marginal cost (either short or long term) according to any formula. Nor is the Commission requesting "avoided cost rates" that, pursuant to PURPA 210, electric utilities file with state commissions or otherwise make available for prospective qualified facilities.

Description of Economic Dispatch. Also, provide in writing a detailed description of how Respondent calculates system lambda. For those systems that do not use an economic dispatch algorithm and do not have a system

¹Some utilities may also include variable operation and maintenance costs that they consider "dispatchable." Therefore the costs to be minimized could include a variable O&M component as well as the fuel costs.

²Because unit heat rates and fuel costs vary, some units may not be able to operate at the same incremental fuel cost as the other units and, thus, those units may be loaded differently.

lambdas are likely recalculated many times in one clock hour. However, the indicated system lambda occurring on each clock hour would be sufficient for reporting purposes.

lambda, provide in writing a detailed description of how control area resources are efficiently dispatched.

Federal Energy Regulatory Commission FERC Form No. 714 (1999)	Annual Electric Control and Planning Area Report For the Year Ending December 31, 1999	Please Type: Utility Code Utility Name
Part III - Schedule 1. Electric Utilities That Compose the Planning Area (Use continuation sheets if needed)		

Enter the name of each entity, including the respondent, that forms the planning area for which this report is being prepared and their coincident summer and winter peak demands in megawatts. Please refer to instructions on pages 23 and 24.			
Line No. (a)	Electric Utility Name (b)	Electric Utility Coincident Peak Demand (MW)	
		Summer (c)	Winter (d)
1.	Pacific Gas & Electric	23,128	17,146
2.	Southern California Edison Company	19,125	16,429
3.	San Diego Gas & Electric	3,567	3,121
4.	California Independent System Operator	45,884	36,692
5.			
6.			
7.			

Federal Energy Regulatory Commission FERC Form No. 714 (1999)	Annual Electric Control and Planning Area Report For the Year Ending December 31, 1999	Please Type: Utility Code Utility Name
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Part III - Schedule 2.
Planning Area Hourly Demand and Forecast Summer and Winter Peak Demand and Annual Net Energy for Load

PLANNING AREA HOURLY DEMAND

- (1) Respondents must submit hourly demand data in electronic form to the Commission. Additionally, Respondents that participate in a national, regional or subregional process for consolidating and ensuring the consistency and accuracy of actual hourly and forecast demand information, may instead authorize the national, regional or subregional organization to release that information to the Commission, and to the public at the cost of reproduction, in an easily accessible electronic format, such as the EEI format.
- (2) If the Respondent does not participate in the development of national, regional or subregional

Respondents must submit on a 3.5 inch diskette formatted for the DOS operating system the following data file in ASCII format: the planning area's actual hourly demand, in megawatts, for each hour of the year starting with 1 a.m, January 1, 1999. Indicate the time zone and the period for which daylight savings time was used. The file should have 8760 records (8784 for leap years). For hours when this information is not available, enter "NA."

PLANNING AREA FORECAST SUMMER AND WINTER PEAK DEMAND

Provide on the diskette a file containing the planning area's forecast summer and winter peak demand, in megawatts, and annual net energy for load, in megawatthours, for the next ten years.

**Part IV.
Notes**

Indicate a note by placing an asterisk (*) next to the entry on Schedules 1 through 6 of Part II and Schedules 1 and 2 of Part III, and then provide the note below. For each note, enter the page number in Column (a), the line number in Column (b), the column letter in Column (c), and the note in Column (d). Use more than one line if needed.

Page No. (a)	Line No. (b)	Column Letter (c)	Notes (d)
6	1-11	b	<p>Interchange Schedules to meet load or to export generation are created only by Scheduling Coordinators (SC). In the its Interchange Scheduling system the CAISO requires the SC to identify the Branch Group being used at interchange points, but not the generating/load control area. From the Branch Group information the CAISO can determine the adjacent control area. In this report the CAISO is reporting only Interchange Schedules by adjacent control area, which may not necessarily by the generating/load control area for all the Interchange Schedules</p>
			<p>The system lambda data is comprised of two numbers during the hours that the imbalance energy market was split for inter-zonal congestion. On the hours that there are two numbers the first number is the price in North of Path 15 and the second is in South of Path 15.</p>