

**TRANSMISSION CONTROL AGREEMENT**

**APPENDIX B**

**Encumbrances**

**PG&E APPENDIX B**

List of Encumbrances on Lines and Facilities, and Entitlements  
Being Placed under ISO Operational Control (per TCA Appendix A1 & A2)<sup>1</sup>

(Includes only those where PG&E is a service provider)

Abbreviations Used: CDWR = California Department of Water Resources  
 SCE = Southern California Edison Company  
 SDG&E = San Diego Gas & Electric Company  
 SMUD = Sacramento Municipal Utility District  
 TANC = Transmission Agency of Northern California  
 WAPA = Western Area Power Administration

Ref. #	Entities	Contract/ Rate Schedule #	Nature of Contract	Termination	Comments
1.	AIG Trading Corp.	Service Agreement No. 7 under FERC Electric Tariff, Original Volume No. 3	Non-Firm Point-to-Point Transmission Service - OAT	<sup>1/</sup>	Effective 3/14/97
2.	Anaheim (City of)	Economy Energy Agreement - Rate Schedule FERC No. 109	Economy energy sales	Evergreen, or on notice	
3.	Aquila Power Corp.	Service Agreement No. 11 under FERC Electric Tariff, Original Volume No. 3	Non-Firm Point-to-Point Transmission Service - OAT	<sup>1/</sup>	Effective 3/19/97
4.	Arvin-Edison ID	Distribution Service Agreement - PG&E Rate Schedule FERC No. 79	Local distribution	Concurrent with Contract No. 2948A expiration of 1/1/2005	
5.	Arizona Electric Power Cooperative	Non-Firm Energy Sales - PG&E Rate Schedule FERC No. 70	Non-firm power sales	Evergreen, or 30 day notice	
6.	Arizona Public Service	Short-Term Firm Power Sale - PG&E Rate Schedule FERC No. 50	Power sales	Evergreen, or 30 day notice	Voluntary non-firm power sales

<sup>1</sup> The treatment of current rights, including scheduling priorities, relating to the listed Encumbrances are set forth in the operating instructions submitted by the PTO in accordance with the ISO Tariff and the TCA.

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7.	Arizona Public Service Company	Service Agreement No. 8 under FERC Electric Tariff, Original Volume No. 3	Non-Firm Point-to-Point Transmission Service - OAT	1/	Effective 3/10/97
8.	Azusa (City of)	Economy Energy Agreement - Rate Schedule FERC No. 110	Economy energy sales	Evergreen, or on notice	
9.	Bay Area Rapid Transit	Service Agreement No. 2, under FERC Electric Tariff, Original Volume No. 3	Firm Point-to-Point Transmission Service - OAT	11/30/96	Effective 11/8/96 agreement terminated
10.	Bay Area Rapid Transit	Service Agreement No. 3 under FERC Electric Tariff, Original Volume No. 3	Firm Point-to-Point Transmission Service - OAT	1/31/97	Effective 12/1/96, agreement terminated
11.	Bay Area Rapid Transit	Service Agreement No. 21 under FERC Electric Tariff, Original Volume No. 3	Firm Point-to-Point Transmission Service - OAT	7/31/97	Effective 5/1/97 agreement terminated
12.	Bay Area Rapid Transit	Service Agreement No. 30 under FERC Electric Tariff, Original Volume No. 3	Firm Point-to-Point Transmission Service - OAT	12/31/97	Service commenced 8/1/97 and will terminate on 12/31/97 or upon commencement of direct retail access in California. Service not to extend beyond 6/30/98.
13.	Banning (City of)	Economy Energy Agreement - Rate Schedule FERC No. 111	Economy energy sales	Evergreen, or on notice	
14.	Bonneville Power Administration	Power Sales Agreement -PG&E Rate Schedule FERC No. 32	Power Purchase - Energy Exchange	No notice of termination filed with FERC	Power purchases are voluntary
15.	Bonneville Power Administration	Exchange Agreement - PG&E Rate Schedule FERC No. 33	Exchange Agreement	No notice of termination filed with FERC	
16.	Bonneville Power Administration	Capacity and Energy Exchange Agreement - PG&E Rate Schedule FERC No. 129	Capacity and Energy Exchange Agreement	No notice of termination filed with FERC	
17.	Bonneville Power Administration	Service Agreement No. 6 under FERC Electric Tariff, Original Volume No. 3	Non-Firm Point-to-Point Transmission Service - OAT		Effective 3/12/97

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18.	Calaveras County Public Power Agency	Distribution Service Agreement - PG&E Rate Schedule FERC No.75	Distribution	Evergreen, or 30 day notice	
19.	Central California Power Agency #1	Geysers Transmission - PG&E Rate Schedule FERC No.119	Transmission	11/1/97	
20.	CDWR	Comprehensive Agreement - PG&E Rate Schedule FERC No.77	Interconnection and transmission	12/31/2004, but CDWR can extend through 2014	
21.	CDWR	Etiwanda Power Plant Generation Exchange - PG&E Rate Schedule FERC No. 169	Power exchanges	Evergreen, or on 5 years notice	
22.	CDWR	Extra High Voltage Transmission - PG&E Rate Schedule FERC No. 36	Transmission	1/1/2005, subject to dispute	
23.	Citizens Lehman Power Sales	Enabling Agreement - PG&E Rate Schedule FERC No.192	Power sales	Evergreen, or 30 day notice	Nonobligatory opportunity sales only
24.	Citizens Lehman Power Sales	Service Agreement No. 13 under FERC Electric Tariff, Original Volume No. 3	Non-Firm Point-to-Point Transmission Service - OAT	<sup>1/</sup>	Effective 3/25/97
25.	Cinergy Services, Inc.	Service Agreement No. 14 under FERC Electric Tariff, Original Volume No. 3	Non-Firm Point-to-Point Transmission Service - OAT	<sup>1/</sup>	Effective 4/30/97
26.	Coastal Electric Services	Enabling Agreement - PG&E Rate Schedule FERC No.191	Power sales	Evergreen, or 30 day notice	Nonobligatory opportunity sales only
27.	Colton (City of)	Economy Energy Agreement - Rate Schedule FERC No. 112	Economy energy sales	Evergreen, or on notice	
28.	Constellation Power Source, Inc.	Service Agreement No. 36 under FERC Electric Tariff, Original Volume No. 3	Non-Firm Point-to-Point Transmission Service - OAT	<sup>1/</sup>	Effective 9/23/97
29.	Destec Power Services	Control Area Transmission Agreement - PG&E Rate Schedule FERC No. 185	Transmission and various other services	3/1/1999, but may be extended to 2002	
30.	Electric Clearing-house	Enabling Agreement - PG&E Rate Schedule FERC No.184	Power sales	Evergreen, or 30 day notice	Nonobligatory opportunity sales only

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31.	Enron	Enabling Agreement - PG&E Rate Schedule FERC No. 178	Power sales	Evergreen, or 30 day notice	Nonobligatory opportunity sales only
32.	Equitable Power Services Company	Service Agreement No. 22 under FERC Electric Tariff, Original Volume No. 3	Non-Firm Point-to-Point Transmission Service - OAT	<sup>1/</sup>	Effective 6/16/97
33. *	Idaho Power Company	Service Agreement No. 10 under FERC Electric Tariff, Original Volume No. 3	Non-Firm Point-to-Point Transmission Service - OAT	<sup>1/</sup>	Effective 3/10/97
34.	Kansas City Power & Light	Service Agreement No. 34 under FERC Electric Tariff, Original Volume No. 3	Non-Firm Point-to-Point Transmission Service - OAT	<sup>1/</sup>	Effective 8/21/97
35.	Lassen Municipal Utility District	Power and Transmission Service Agreement - PG&E Rate Schedule FERC No. 149	Transmission	2/1/2004	Partial requirement firm sales
36.	Lawrence Livermore National Laboratory, WAPA	Power Purchase Agreement - Services for Use of COTP Power - PG&E Rate Schedule FERC No. 147	Standby reserve transmission sales	1/19/99, or 12 months notice	
37.	LG&E Energy	Service Agreement No. 29 under FERC Electric Tariff, Original Volume No. 3	Non-Firm Point-to-Point Transmission Service - OAT	<sup>1/</sup>	Effective 7/9/97
38.	Los Angeles Dept. of Water and Power	Enabling Agreement - PG&E Rate Schedule FERC No. 141	Surplus power sales and transmission	No notice of termination filed with FERC	
39.	Metropolitan Water District, SCE	Transmission Service Agreement - SCE Rate Schedule with FERC	Transmission	4/1/2004, or upon termination of other associated contracts	
40.	Midway-Sunset Co-Generation	Cogeneration Project Special Facilities - PG&E Rate Schedule FERC No. 182	Interconnection, transmission	1/1/2017	
41.	Minnesota Methane	Service Agreement No. 1, under FERC Electric Tariff, Original Volume No. 3	Firm Point-to-Point Transmission Service - OAT	10/1/2016	Effective 10/1/96

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42.	Modesto Irrigation District	Interconnection Agreement - PG&E Rate Schedule FERC No.116	Interconnection, transmission, power sales	4/1/2008, subject to exception	Power sales are coordination sales - voluntary spot sales
43.	MSR Public Power Agency	Scheduling Services Contract - PG&E Rate Schedule FERC No. 187	Transmission	1/1/2014, subject to dispute	
44.	National Electric Associates, L.P.	Enabling Agreement - PG&E Rate Schedule FERC No. 193	Power sales	Evergreen, or 30 day notice	Nonobligatory opportunity sales only
45.	Nevada Power Co.	Exchange Agreement- PG&E Rate Schedule FERC No. 54	Emergency, and power sales and exchanges	Evergreen, or 30 day notice	Nonobligatory or as available
46.	NCPA, CSC, CDWR	Castle Rock-Lakeville CoTenancy Agreement - PG&E Rate Schedule FERC No. 139	Transmission facilities maintenance	Evergreen, or 1 year notice after 1/1/2015	
47.	NCPA	Interconnection Agreement - PG&E Rate Schedule FERC No. 142	Interconnection, transmission, power sales	9/13/2013, or 3 years notice	Option to take Partial Requirements - Firm Power with sufficient advance notice. Currently zero through 1999
48.	NorAm Energy Service, Inc.	Service Agreement No. 20 under FERC Electric Tariff, Original Volume No. 3	Non-Firm Point-to-Point Transmission Service - OAT	<sup>1/</sup>	Effective 4/29/97
49.	Northern California Reliability	Priority encumbrance/reservation for power from the Pacific Northwest to maintain reliability in northern California area - north of Path 15	Varies monthly		Corresponds to past and present use of transfer capability across COB in relation to priorities under Existing Contracts for transmission service
50.	PacifiCorp	Interconnection Agreement - PG&E Rate Schedule FERC No. 195	Interconnection	7/31/2007, or 5 years notice	
51.	PacifiCorp	Service Agreement No. 18 under FERC Electric Tariff, Original Volume No. 3	Non-Firm Point-to-Point Transmission Service - OAT	<sup>1/</sup>	Effective 4/14/97
52. *	PacifiCorp	Service Agreement No. 23 under FERC Electric Tariff, Original Volume No. 3	Firm Point-to-Point Transmission Service	6/30/97	Effective 6/3/97
53. *	Pan Energy Trading	Service Agreement No. 27 under FERC Electric Tariff, Original Volume No. 3	Non-Firm Point-to-Point Transmission Service - OAT	<sup>1/</sup>	Effective 7/1/97

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54.	Path 15	Use in real-time is consistent with Existing Contracts. Other use is subject to Day-Ahead and Hour-Ahead congestion charges.			Preserves past and present use of Path 15 in relation to priorities under Existing Contracts for transmission service.
55.	PECO Energy Company	Service Agreement No. 28 under FERC Electric Tariff, Original Volume No. 3	Non-Firm Point-to-Point Transmission Service - OAT	<sup>1/</sup>	Effective 7/3/97.
56.	Port of Oakland	Interconnection Agreement - PG&E Rate Schedule FERC No. 194	Interconnection	12/31/2000	
57.	Portland General Electric	Sales and Exchange - PG&E Rate Schedule FERC No. 51	Power sales and exchanges	Evergreen, or 5 years notice	Sales are voluntary
58.	Portland General Electric	Energy Sales and Exchange - PG&E Rate Schedule FERC No. 71	Power sales and exchanges	Evergreen, or 3 years notice	Power Sales are voluntary
59.	Power Exchange	Control Area Transmission Service Agreement - PG&E Rate Schedule FERC No. 186	Transmission and various other services	3/1/2000, or may extend if Destec does	
60. *	Powerex	Service Agreement No. 19 under FERC Electric Tariff, Original Volume No. 3	Non-Firm Point-to-Point Transmission Service - OAT	<sup>1/</sup>	Effective 4/24/97
61. *	Powerex	Service Agreement No. 25 under FERC Electric Tariff, Original Volume No. 3	Firm Point-to-Point Transmission Service - OAT	9/30/97	Effective 7/1/97
62.	Public Service of New Mexico	Economy Energy Contract - PG&E Rate Schedule FERC No. 101	Power sales	Evergreen, or 30 day notice	Sales entirely optional
63.	Puget Sound Power & Light	Capacity and Energy Exchange - PG&E Rate Schedule FERC No. 140	Power exchanges	Evergreen, or 1 year notice	
64.	Rainbow Energy Marketing	Enabling Agreement - PG&E Rate Schedule FERC No. 189	Power sales	Evergreen, or 30 day notice	Sales entirely optional
65.	Riverside (City of)	Economy Energy Agreement - Rate Schedule FERC No. 113	Economy energy sales	Evergreen, or on notice	

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66.	Salt River Project	Economy Contract - PG&E Rate Schedule FERC No. 74	Power sales	Evergreen, or 30 day notice	Sales are entirely optional
67.	Salt River Project	Service Agreement No. 16 under FERC Electric Tariff, Original Volume No. 3	Non-Firm Point-to-Point Transmission Service - OAT	<sup>1/</sup>	Effective 4/7/97
68.	San Francisco (City and County of)	Interconnection Agreement - PG&E Rate Schedule FERC No. 114	Interconnection, transmission and supplemental power sales	7/1/2015	Power sales are Firm Partial Requirements
69.	Santa Clara (City of)	Interconnection Agreement - PG&E Rate Schedule FERC No. 85	Interconnection, transmission, power sales	10/27/2013, or 3 years notice	Power sales are Firm Partial Requirements
70.	Santa Clara (City of)	Bulk Power Sales - PG&E Rate Schedule FERC No. 108	Power sales	1/1/2002	Firm Sale 50 MW Sale
71.	Santa Clara (City of)	Mokelumne Settlement and Grizzly Development Agreement - PG&E Rate Schedule FERC No. 85	Transmission, power sales	12/31/2003	
72.	SCE	Service Agreement No. 33 under FERC Electric Tariff, Original Volume No. 3	Non-Firm Point-to-Point Transmission Service - OAT	<sup>1/</sup>	Effective 8/16/97
73.	SCE, SDG&E	California Power Pool - PG&E Rate Schedule FERC No. 27	Power pool	Evergreen, or 3 years notice	Notice of Termination accepted for filing 2/21/97, suspended for 5 months
74.	SCE, SDG&E	Calif. Companies Pacific Intertie Agreement - PG&E Rate Schedule FERC No. 38	Transmission	4/1/2007	Both entitlement and encumbrance.
75.	SCE, SDG&E, Los Angeles Department of Water and Power	Interconnection and Cooperative Use of Pacific Intertie Facilities Agreement - PG&E Rate Schedule FERC No. 177	Communication facilities	7/31/2007, or 23 months notice	
76.	SCE, Montana Power, Nevada Power, Sierra Pacific	WSCC Unscheduled Flow Mitigation Plan - PG&E Rate Schedule FERC No. 183	Operation of control facilities to mitigate loop flows	Evergreen, or on notice	No transmission services provided, but classify as an entitlement since loop flow is reduced or an encumbrance if we are asked to cut.



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77.	SDG&E	Service Agreement No. 12 under FERC Electric Tariff, Original Volume No. 3	Non-Firm Point-to-Point Transmission Service - OAT	<sup>1/</sup>	Effective 3/24/97
78.	Seattle City Light and Power Board	Interchange Agreement - PG&E Rate Schedule FERC No. 179	Power exchanges	Evergreen, or 30 day notice	
79.	Shasta Lake (City of)	Rate Settlement Agreement - PG&E Rate Schedule FERC No. 89	Power sales	No notice of termination filed with FERC	
80.	Shelter Cove	Power Sale Agreement- PG&E Rate Schedule FERC No. 90	Distribution	Evergreen, or 6 months notice	Submitted to FERC; docket pending Commission review and clarification and review as of 3/17/97
81.	Sierra Pacific	Interconnection Agreement - PG&E Rate Schedule FERC No. 72	Interconnection and support services	Evergreen, or 3 years notice	
82.	Sierra Pacific Power Company	Service Agreement No. 32 under FERC Electric Tariff, Original Volume No. 3	Non-Firm Point-to-Point Transmission Service - OAT	<sup>1/</sup>	Effective 8/15/97
83.	SMUD	Interconnection Agreement - PG&E Rate Schedule FERC No. 136	Interconnection	12/31/2009	
84.	SMUD	Transmission Rate Schedule - PG&E Rate Schedule FERC No. 138	Transmission	12/31/99	
85.	SMUD	EHV Transmission Agreement - PG&E Rate Schedule FERC No. 37	Transmission	1/1/2005, may be subject to dispute	
86.	SMUD	SMUDGEOT Transmission Agreement - PG&E Rate Schedule FERC No. 176	Transmission	12/31/99	
87.	SMUD	Camp Far West Transmission Agreement - PG&E Rate Schedule FERC No. 91	Transmission	No notice of termination filed with FERC	

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88.	SMUD	Slab Creek Transmission Agreement - PG&E Rate Schedule FERC No. 88	Transmission	No notice of termination filed with FERC	
89.	SMUD	Power Sale Agreement - PG&E Rate Schedule FERC No. 122	Power sales	No notice of termination filed with FERC	
90.	Southern Energy Trading and Marketing, Inc.	Service Agreement No. 5 under FERC Electric Tariff, Original Volume No. 3	Non-Firm Point-to-Point Transmission Service - OAT	<sup>17</sup>	Effective 3/12/97
91.	Tacoma City Light	Interchange Agreement - PG&E Rate Schedule FERC No. 58	Exchange of non-firm electric energy	Evergreen, or 30 day notice	
92.	Tacoma City Light	Letter Agreement re: provisional energy sale - PG&E Rate Schedule FERC No. 59	Energy sales	No notice of termination filed with FERC	
93.	TANC	Coordinated Operations Agreement - PG&E Rate Schedule FERC No. 146	Interconnection, scheduling, transmission	1/1/2043	Both entitlement and encumbrance
94.	TANC	COTP Interconnection Rate Schedule - PG&E Rate Schedule FERC No. 144	Interconnection	Upon termination of COTP	
95.	TANC	Midway Transmission Service / South of Tesla Principles - PG&E Rate Schedule FERC No. 143	Transmission, curtailment mitigation,* power sales	1/1/2010, subject to exception	Power sales are voluntary Replacement Power
96.	Trinity Public Utility District	Islanding Agreement - PG&E Rate Schedule FERC No. 79	Operations	No notice of termination filed with FERC	
97.	Tuolumne County Public Power Agency	Distribution Services Agreement - PG&E Rate Schedule FERC No. 76	Distribution	Evergreen, or 30 day notice	

\* Includes use of PDCL for prespecified mitigation of curtailments over Path 15.

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98.	Turlock Irrigation District	Interconnection Agreement - PG&E Rate Schedule FERC No. 115	Interconnection, transmission, power sales	4/1/2008, subject to exception	Power Sales are Firm Obligation Sales (Partial Requirements); Contract Firm (Firm Sale requested by TID); and Coordination Sales - Voluntary Spot Sales
99.	Utility 2000	Enabling Agreement - PG&E Rate Schedule FERC No.188	Power sales	Evergreen, or 30 day notice	Nonobligatory opportunity sales only
100.	Various - See Attachment A	Western Systems Power Pool Agreement - WSPP Rate Schedule FERC No. 1	Power sales, transmission	Upon WSPP expiration	Both entitlement and encumbrance
101.	Various - See Attachment B	Special facilities agreement	Provision of special facilities, interconnection related services	Various	PG&E has not yet reviewed the applicability of each of the attached agreements, but for the sake of caution, are including them here.
102.	Vernon (City of)	Transmission Service Exchange Agreement - PG&E Rate Schedule FERC No. 148	Transmission service	7/31/2007, or by extension to 12/15/2042	Both entitlement and encumbrance. PG&E swap of DC Line rights for service on COTP
103.	WAPA	San Luis Pumping - Contract No. 2207A - PG&E Rate Schedule FERC No. 79	Transmission	4/1/2016	
104.	WAPA & CA Companies	EHV Transmission Agreement – Contract No. 2947A - PG&E Rate Schedule FERC No.35	Transmission	1/1/2005, may be renewed at negotiated rates.	Both entitlement and encumbrance.
105.	WAPA	Sale, Interchange and Transmission Agreement - Contract No. 2948A - PG&E Rate Schedule FERC No. 79	Integration, interconnection, transmission and power sales and exchanges	1/1/2005	
106.	WAPA	Wintu Pumping Plant - Contract No. 2979A - PG&E Rate Schedule FERC No. 79	Transmission	Concurrent with Contract No. 2948A expiration of 1/1/2005	

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107.	WAPA	Delta Pumping Plant - Contract No. DE-AC65-80WP59000 - PG&E Rate Schedule FERC No. 63	Transmission	Concurrent with Contract No. 2948A expiration of 1/1/2005, or 3 years notice	
108.	WAPA	Healdsburg, Lompoc & Ukiah - Contract No. DE-MS65-83WP59055 - PG&E Rate Schedule FERC No. 81	Transmission	Concurrent with Contract No. 2948A expiration of 1/1/2005, or 4 years notice	
109.	WAPA	Sonoma County Water Agency - Contract No. 88-SAO-40002 - PG&E Rate Schedule FERC No. 126	Transmission	6/30/94, or 4 years notice	
110.	WAPA	New Melones - Contract No. 8-07-20-P0004 - PG&E Rate Schedule FERC No. 60	Transmission	"...effective for 50 years beginning on the latter of 1/1/79 or 30 days prior to first unit at New Melones ready to be synchronized with transmission"	Per WAPA, commercial operation date for New Melones was 6/1/82
111.	WAPA	Settlement of Capacity Related Disputes - Contract No. 93-SAO-18003, Supplement No. 41 - PG&E Rate Schedule FERC No. 79	Power sales	Concurrent with Contract No. 2948A expiration of 1/1/2005	
112.	WAPA	Trinity County PUD & Lewiston Power Plant Standby Transmission - Contract No. 93-SAO-18008, Supplement No. 42 - PG&E Rate Schedule FERC No. 79	Transmission	1/1/2005	

Ref. #	Entities	Contract/ Rate Schedule #	Nature of Contract	Termination	Comments
113.	WAPA	Capacity Rates/Sales - Contract No. 95-SAO-90007 - PG&E Rate Schedule FERC No. 79	Capacity sales	Concurrent with Contract No. 2948A expiration of 1/1/2005	
114.	Washington Water Power	Capacity & Energy Exchange Agreement - PG&E Rate Schedule FERC No. 135	Power sales	Evergreen, or 30 day notice	
115.	Western Power Services Inc.	Service Agreement No. 15 under FERC Electric Tariff, Original Volume No. 3	Non-Firm Point-to-Point Transmission Service - OAT	Upon OAT expiration	Effective 3/19/97
116.	Westlands Irrigation District	Distribution Service Agreement - PG&E Rate Schedule FERC No. 79	Local distribution	Concurrent with Contract No. 2948A expiration of 1/1/2005	
117.	Williams Energy Service Company	Service Agreement No. 9 under FERC Electric Tariff, Original Volume No. 3	Non-Firm Point-to-Point Transmission Service	<sup>1/</sup>	Effective 3/10/97

### **Lien Mortgage**

The lien of the First and Refunding Mortgage dated December 1, 1920 between PG&E and BNY Western Trust Company, as trustee, as amended and supplemented and in effect on the date hereof (the "PG&E Mortgage"). The transfer of Operational Control to the ISO pursuant to this Agreement shall in no event be deemed to be a lien or charge on the PG&E Property which would be prior to the lien of the PG&E Mortgage; however, no consent of the trustee under the PG&E Mortgage is required to consummate the transfer of Operational Control to the ISO pursuant to this Agreement.

<sup>1/</sup> In December 1997, PG&E anticipates filing at FERC for termination of all non-firm point-to-point service agreements under OAT. The proposed effective date of termination will be December 31, 1997. Subject to FERC approval these types of service agreements will be terminated.

## ATTACHMENT A (to PG&E APPENDIX B)

### Western System Power Pool

#### Western System Power Pool Member List

The Western System Power Pool (WSPP) is a marketing group for the West Coast wholesale power marketers and electric utilities. WSPP membership allows a company to make wholesale power deals under the WSPP master contract.

	Joined	Code	Member	State
1	Apr 96	AIG	AIG Trading Corporation	CT
2	Jun 97	AHE	American Hunter Energy Inc.	TX
3	Jul 87	ANHM	Anaheim, City of, Public Utilities Dept.	CA
4	Feb 96	APC	Aquila Power Corporation	NE
5	May 87	AEPC	Arizona Electric Power Co.	AZ
6	May 87	APS	Arizona Public Service Co.	AZ
7	Nov 94	AECC	Arkansas Electric Coop. Corp.	AR
8	Oct 90	EES	Arkansas Power & Light	AR
9	Feb 96	AECI	Associated Electric Cooperative	MO
10	Jun 97	AVST	Avista Energy, Inc.	WA
11	May 87	BPA	Bonneville Power Adm.	OR
12	Aug 95	BURB	Burbank, City of	CA
13	Jul 92	CAJN	Cajun Electric Power Cooperative	LA
14	May 87	CDWR	Calif. Dept. of Water Res.	CA
15	Jan 96	CPSC	Calpine Power Services Co.	CA
16	Jun 97	CPLC	Carolina Power & Light Company	NC
17	Jun 89	CSWS	Central & South West Services, Inc..	TX
18	Jul 90	CLEC	Central Louisiana Electric Co.	LA
19	Jan 96	CIN	Cincinnati Gas & Electric	OH
20	Jan 96	CIN	CINergy Corporation	OH
21	Dec 95	CLPS	Citizens Lehman Power Sales	MA
22	Oct 95	CLTN	City of Colton	CA
23	Aug 97	INDN	City of Independence	MO
24	Feb 97	SIKE	City of Sikeston, Board of Municipal Utilities	MO
25	Nov 90	CUS	City Utilities of Springfield	MO
26	Feb 96	CWL	City Water & Light (Jonesboro, AR)	AR
27	Aug 97	CMS	CMS Marketing, Services and Trading Company	MI
28	Jan 96	CNG	CNG Power Services Corp.	PA
29	Aug 95	CESC	Coastal Electric Services, TX	
30	Jan 97	CSU	Colorado Springs Utilities	CO
31	Feb 97	CAES	ConAgra Energy Services, Inc.	NE
32	Jun 96	CORP	Coral Power, L.L.C.	TX
33	Nov 95	DESI	Delhi Energy Services, Inc.	TX
34	Nov 92	DGT	Deseret G&T	UT

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	<u>Joined</u>	<u>Code</u>	<u>Member</u>	<u>State</u>
35	Apr 95	DPS	Destec Power Services, Inc.	CA
36	Aug 97	DUKE	Duke Power	NC
37	Jun 96	DPMI	DuPont Power Marketing, Inc.	TX
38	July 96	EPRM	e prime, inc	CO
39	Jul 97	EPDI	Eastern Power Distribution, Inc.	VA
40	Feb 96	ETEX	Eastex Power Marketing, Inc.	TX
41	Nov 96	ESRC	Edison Source	CA
42	Nov 94	EPA	Edmonton Power Authority	AB
43	Apr 97	EPE	EI Paso Electric	TX
44	Feb 96	EPEM	EI Paso Energy Marketing Company	TX
45	Apr 95	ECI	Electric Clearing House, Inc.	TX
46	Nov 94	EDE	Empire District Electric Co.	MO
47	Aug 95	CESEC	Engage Energy US, L.P.	TX
48	Aug 95	ENGL	Engelhard Power Marketing, Inc.	NJ
49	Nov 94	EPMI	Enron Power Marketing, Inc.	TX
50	Feb 97	EEL	Enserco Energy Inc.	CO
51	Oct 90	EES	Entergy Electric System	AR
52	Jun 96	EPMC	Entergy Power Marketing Corp.	AR
53	Nov 94	EPI	Entergy Power, Inc.	AR
54	Sep 95	EPSC	Equitable Power Services Co.	TX
55	Sep 93	EWEB	Eugene Water & Elec. Board	OR
56	Jun 88	FARM	Farmington, City of	NM
57	Jun 96	FESI	Federal Energy Sales, Inc.	TX
58	Aug 95	GRDA	Grand River Dam Authority	OK
59	Oct 90	EES	Gulf States Utilities	TX
60	Dec 95	HES	Heartland Energy Services	WI
61	Mar 92	HHWP	Hetch-Hetchy Water & Power	CA
62	May 97	HEC	Howard Energy Co., Inc.	MI
63	Jun 89	IPC	Idaho Power Company	ID
64	Aug 95	IPMI	Illinova Power Marketing, Inc.	UT
65	Jan 92	IID	Imperial Irrigation District	CA
66	May 96	IEA	Industrial Energy Applications	IA
67	Jul 96	IPM	InterCoast Power Marketing	IA
68	Feb 96	JAC	J. Aron & Company	NY
69	May 97	KAMO	KAMO Electric Cooperative, Inc.	OK
70	Jan 94	KCPL	Kansas City Power & Light	MO
71	Feb 96	KNM	KN Energy Marketing.	TX
72	Aug 95	KETI	Koch Energy Trading, Inc.	TX
73	Mar 88	LDWP	LA Dept. of Water & Power	CA
74	Apr 95	LEM	LG&E Energy Marketing Inc.	CA
75	Mar 96	LES	Lincoln Electric System	NE
76	Jul 92	LAC	Los Alamos County	NM
77	Sep 93	LDEP	Louis Dreyfus Elec. Power, Inc.	AZ
78	Oct 90	EES	Louisiana Power & Light	LA
79	Aug 96	LGE	Louisville Gas & Electric Co.	KY
80	Apr 97	MW&L	McMinnville Water & Light	OR
81	Dec 90	MWD	Metropolitan Water District	CA
82	Apr 96	MEC	MidAmerican Energy Company	IA

## TRANSMISSION CONTROL AGREEMENT

## APPENDIX B

	<u>Joined</u>	<u>Code</u>	<u>Member</u>	<u>State</u>
83	Jul 97	MPS	MidCon Power Services Corp.	IL
84	Oct 90	EES	Mississippi Power & Light	MS
85	Aug 95	MOCK	Mock Energy Services, L.P.	CA
86	Jun 89	MID	Modesto Irrigation District	CA
87	Jun 87	MPC	Montana Power Co.	MT
88	Dec 95	MSCG	Morgan Stanley Capital Group, Inc.	NY
89	May 95	MSR	M-S-R Public Power Agency	CA
90	Dec 95	MEAM	Municipal Energy Agency of MS	MS
91	Jan 96	NGE	National Gas & Electric L.P.	TX
92	Mar 96	NPPD	Nebraska Public Power District	NE
93	May 87	NEVP	Nevada Power Co.	NV
94	Oct 90	EES	New Orleans Public Services	LA
95	Aug 95	NES	NorAm Energy Services, Inc.	TX
96	May 87	NCPA	Northern Calif Power Agency	CA
97	May 97	NPEI	NP Energy Inc.	KY
98	Dec 92	OGE	Oklahoma Gas & Electric	OK
99	May 96	OPPD	Omaha Public Power District	NE
100	May 87	PG&E	Pacific Gas & Electric Co.	CA
101	Feb 97	PNGC	Pacific Northwest Generating Cooperative	OR
102	May 87	PAC	PacifiCorp	OR
103	May 95	PPSI	PanEnergy Power Services, Inc.	WA
104	Nov 94	PASA	Pasadena, City of	CA
105	Mar 96	PECO	PECO Energy Company	PA
106	Jun 97	PPL	Pennsylvania Power & Light Co.	PA
107	Oct 96	PGES	PG&E Energy Services, Energy Trading Corp.	CA
108	Nov 95	PGPS	PG&E Power Services Company	TX
109	May 96	PHB	Phibro, Inc.	CT
110	Sep 93	PEGT	Plains Elec Gen & Trans Coop	NM
111	May 96	PRPA	Platte River Power Authority	CO
112	May 87	PGE	Portland General Elec. Co.	OR
113	Jan 97	PCA	Power Company of America, L.P.	CT
114	May 95	PXC	Power Exchange Corporation	CA
115	Jun 89	PWX	Powerex	BC
116	May 87	PNM	Public Service Co. of NM	NM
117	Jun 89	CSWS	Public Service Co. of Oklahoma	OK
118	Jan 96	CIN	Public Service of Indiana	IN
119	Sep 93	PSC	Public Svc Co of Colorado	CO
120	Nov 94	CHPD	PUD No. 1 of Chelan County	WA
121	May 95	GHPD	PUD No. 1 of Grays Harbor	WA
122	Jul 95	SNPD	PUD No. 1 of Snohomish County	WA
123	Sep 95	GCPD	PUD No. 2 of Grant County	WA
124	Jun 87	PSPL	Puget Sound Power & Light Co.	WA
125	Aug 87	QST	QST Energy Trading Inc.	TX
126	Sep 96	QET	Questar Energy Trading	UT
127	Apr 96	REMC	Rainbow Energy Marketing Corp.	ND
128	Nov 94	REDD	Redding, City of	CA
129	Jul 87	RVSD	Riverside of California	CA



## TRANSMISSION CONTROL AGREEMENT

## APPENDIX B

	<u>Joined</u>	<u>Code</u>	<u>Member</u>	<u>State</u>
130	Jul 87	RMGC	Rocky Mountain Gen. Coop., Inc.	CO
131	May 87	SMUD	Sacramento Municipal Utility Dist	CA
132	May 87	SRP	Salt River Project	AZ
133	May 87	SDGE	San Diego Gas & Electric Co.	CA
134	Sep 90	SNCL	Santa Clara, City of, Electric Dept.	CA
135	May 96	SCPS	Santee Cooper	SC
136	May 93	SCL	Seattle City Light	WA
137	Jun 87	SPP	Sierra Pacific Power Co.	NV
138	Feb 96	SPM	Sonat Power Marketing	AL
139	May 87	SCE	Southern Calif. Edison Co.	CA
140	Oct 97	SOCO	Southern Company Services, Inc.	AL
141	Dec 95	SETM	Southern Energy Trading & Marketing, Inc.	GA
142	Feb 97	SWPA	Southwest Power Administration	OK
143	Jun 89	CSWS	Southwestern Electric Power Co.	LA
144	Jun 87	SPS	Southwestern Public Svc.	TX
145	May 95	SJLP	St. Joseph Light & Power Co.	MO
146	Jun 95	SEPC	Sunflower Electric Power Corp.	KS
147	Oct 97	TCL	Tacoma City Light	WA
148	May 97	TNSK	Tenaska Power Services Co.	TX
149	Jan 96	TEMC	Tenneco Energy Marketing Co.	TX
150	Dec 95	TVA	Tennessee Valley Authority	TN
151	May 97	TEMI	Tractebel Energy Marketing, Inc.	TX
152	Jul 96	TEM	TransAlta Energy Marketing	AB
153	Jul 96	TCPC	TransCanada Power Corp.	AB
154	Jul 90	TEP	Tucson Electric Power	AZ
155	Sep 90	TID	Turlock Irrigation District	CA
156	Dec 95	UEC	Union Electric	MO
157	Apr 96	USPS	USGEN Power Services	MD
158	Apr 93	UAMP	Utah Assoc Muni Pwr Systems	UT
159	Sep 93	UGK	UtiliCorp Energy Group, Kansas	KS
160	Jan 95	UGM	UtiliCorp Energy Group, Missouri	MO
161	Oct 96	VPM	Vastar Power Marketing, Inc.	TX
162	Mar 94	VERN	Vernon, City of	CA
163	Jan 97	VAP	Virginia Electric and Power Company	VA
164	Jan 96	VGE	Vitol Gas & Electric, L.L.C.	MA
165	Dec 91	WWPC	Washington Water Power	WA
166	Nov 94	WKPL	West Kootenay Power	BC
167	Jun 89	WALC	Western Adm. Lower Colorado	AZ
168	Feb 94	WAMP	Western Adm. Sacramento	CA
169	Jun 89	WAUC	Western Adm. Upper Colorado	UT
170	Jul 96	WAUP	Western Adm. Upper Great Plains	SD
171	Aug 95	WFEC	Western Farmers Electric Co-op	OK
172	Dec 95	WPS	Western Power Svcs, Inc.	CO
173	Feb 94	WRI	Western Resources, Inc.	KS
174	Mar 96	WESC	Williams Energy Services Company	OK
175	Apr 97	*	MP Energy	*

\* Data not available, information provided from CIPS, FERC's Electronic Bulletin Board.

All other information provided from:

<http://www.EnergyOnLine.com/Restructuring/players/marketers/wspp4.html>

## TCA APPENDIX B: EDISON'S CONTRACT ENCUMBRANCES

	POINT OF RECEIPT-DELIVERY	PARTIES	DIR.	CONTRACT TITLE	FERC No.	CONTRACT TERM
1.	Devers - Mirage / Coachella 230 kV	IID	SCE to IID	Firm Transmission Service Agreement	268	On 3-year notice
2.	Devers - Banning ISO Grid Take Out Point serving Banning	Banning	Bi-dir	Pasadena Firm Transmission Service	379	Earlier of 12/31/03 or upon Ba notice given after 1/1/02.
3.	Devers - ISO Grid Take Out Point serving Banning	Banning	To Banning	1995 San Juan Unit 3 Firm Transmission Service Agreement	379	Earlier of termination of Banni in San Juan Unit 3 or Banning' given after 1/1/03
4.	Devers-- Vista	Colton	To Vista	1995 San Juan Unit 3 Firm Transmission Service Agreement	249.29	Earlier of termination of Colton San Juan Unit 3 or Colton's 1- given after 1/1/03
5.	Hinds - Vincent	MWD	Bi-dir.	District-Edison 1987 Service and Interchange Agreement	203	9/30/2017 or five-year notice
6.	Etiwanda - Vincent	MWD	to Vincent	District Etiwanda Power Plant Transmission Service Agreement	292	Earliest of termination MWD-I Contract, termination of PG&E Exchange Contract, termination CDWR Power Contract, termin Interconnection Facilities Agre April 1, 2014.
7.	Eldorado-Vincent	CDWR	Bi-dir.	Firm Transmission Service Agreement (Eldorado-Vincent)	113	Earlier of date replacement fac service, term. Of CDWR Purc Agreement, retirement of Reid 4, or 12/31/20

**Footnotes:**

- The following is an additional encumbrance that does not fit into the format for existing contract encumbrances. The additional encumbr: Indenture dated as of October 1, 1923, between Edison and Harris Trust and Savings Bank and Pacific-Southwest Trust & Savings Bank trustee), as trustees ("the Edison Indenture"). The transfer of control to the ISO pursuant to this Agreement (i) does not require any conse Edison Indenture, (ii) shall not be deemed to create any lien or charge on the Edison Transmission Assets that would be prior to the lien of (iii) shall not otherwise impair the lien of the Edison Indenture.
- The treatment of current rights, including scheduling priorities, relating to the listed Encumbrances are set forth in the operating instructio accordance with the ISO Tariff and the TCA.

## TCA APPENDIX B: EDISON'S CONTRACT ENCUMBRANCES

	POINT OF RECEIPT- DELIVERY	PARTIES	DIR.	CONTRACT TITLE	FERC No.	CONTRACT TERMINATION	
8.	Eldorado / Mohave - Lugo	LADWP	Bi-dir.	Victorville - Lugo Interconnection Agreement	51	2019 or sooner by mutual agreement	Edison equal t the dec consist Eldora McCul Lugo 5
9.	Moenkopi - Eldorado	USA, APS, SRP, NPC, LADWP, TGE	Bi-dir.	Edison - Navajo Transmission Agreement	264	5/21/23	In the c McCul lines, E each o withou
10.	Mohave - Eldorado	LADWP, NPC, SRP	to Eldorado	Eldorado System Conveyance and Co-Tenancy Agreement, Eldorado System Conveyance 2 and Co-Tenancy Agreement, Eldorado System Operating Agreement	N/A	7/1/06	If Moh back u Eldora curtail Mohav particij are: Ec 10%.
11.	Eldorado - Mead	LADWP, NPC, SRP	to Eldorado	Eldorado System Conveyance and Co-Tenancy Agreement, Eldorado System Conveyance 2 and Co-Tenancy Agreement, Eldorado System Operating Agreement	N/A	7/1/06	If Eldc is alloc percen 12.5%
12.	Mead - Mohave	NPC	to Mohave	Agreement for Additional NPC Connection to Mohave Project	N/A	Co-terminous with Mohave Project Plant Site Conveyance and Co-Tenancy Agreement	Up to :
13.	Four Corners 345kV -Mead	Anaheim	to Mead	Four Corners-Mead Firm Transmission Service Agreement	Pend- ing	Earlier of 12/31/02, or 1 year notice, except termination not prior to 12/31/01	100 M beginn

## TCA APPENDIX B: EDISON'S CONTRACT ENCUMBRANCES

	POINT OF RECEIPT- DELIVERY	PARTIES	DIR.	CONTRACT TITLE	FERC No.	CONTRACT TERM
14.	Mead - ISO Grid Take Out Point serving Banning	Banning	E-W	Hoover Firm Transmission Service Agreement	248.5	Earliest of: agreement to termina Banning 1-year notice given afte termination of WAPA Service C
15.	Mead - Rio Hondo	Azusa	E-W	Sylmar Firm Transmission Service Agreement	247.24	Earliest of: agreement to termina Banning's 1-year notice given af termination of Banning's interest
16.	Mead - Rio Hondo	Azusa	E-W	Hoover Firm Transmission Service Agreement	247.4	Earliest of: agreement to termina Banning 1-year notice given afte termination of WAPA Service C
17.	Mead - Vista	Colton	E-W	Hoover Firm Transmission Service Agreement	249.4	Earliest of: agreement to termina Colton 1-year notice given after termination of WAPA Service C
18.	Mead - Riverside	Riverside	E-W	Hoover Firm Transmission Service Agreement	250.6.12	Earliest of: agreement to termina termination of 1990 IOA, or terr WAPA Service Contract
19.	Mead - Laguna Bell	Vernon	Bi- dir	Mead Firm Transmission Service Agreement	207	Earlier of agreement to terminat of Hoover Power Sales Agreem
20.	Mead - Mountain Center	AEPCO	E-W	Firm Transmission Service Agreement	131	7/1/21 or on 10 years notice

## TCA APPENDIX B: EDISON'S CONTRACT ENCUMBRANCES

	POINT OF RECEIPT- DELIVERY	PARTIES	DIR.	CONTRACT TITLE	FERC NO.	CONTRACT TERMINATION
21.	Palo Verde - Devers	LADWP	Bi-dir.	Exchange Agreement	219	Earliest of construction of DPV#2, or removal of DPV1 from service, or transfer of DPV#2 rights of way to LADWP.
22.	Palo Verde - Sylmar	LADWP	Bi-dir.	Exchange Agreement	219	5/31/2012
23.	Sylmar - Devers	LADWP	Bi-dir.	Exchange Agreement	219	When DPV#1 is removed from service and DPV#2 is built, the date DPV#2 is removed from service.
24.	Palo Verde - COB	PacifiCorp	E-W	Transmission Service Agreement.	275	7/31/07
25.	Palo Verde - Devers Devers - Valley Valley - Serrano Serrano - SONGS	IID, APS, SDG&E	Bi-Dir.	Mutual Assistance Transmission Agreement	174	On 2034 or sooner by agreement of the parties.

## TCA APPENDIX B: EDISON'S CONTRACT ENCUMBRANCES

	POINT OF RECEIPT- DELIVERY	PARTIES	DIR.	CONTRACT TITLE	FERC No.	CONTRACT TER
26.	Midway - Vincent 500 kV	PG&E	N-S	California Companies Pacific Intertie Agreement	40 (38- PG&E; 20-SDG&E)	7/31/07
27.	Midway - SONGS	SDG&E	N-S	California Companies Pacific Intertie Agreement	40 (38- PG&E; 20-SDG&E)	7/31/07
28.	Midway - Vincent 500 kV	LADWP	Bi-dir.	Exchange Agreement	219	5/31/25
29.	Midway - Vincent 500 kV	CDWR	Bi-dir.	Power Contract	112	12/31/04
30.	Midway - Vincent 500 kV	PG&E	S-N	California Companies Pacific Intertie Agreement	40 (38- PG&E; 20-SDG&E)	7/31/07
31.	Midway - SONGS	SDG&E	S-N	California Companies Pacific Intertie Agreement	40 (38- PG&E; 20- SDG&E)	7/31/07
32.	Midway - Laguna Bell	Vernon	Bi-dir.	Edison-Vernon Firm Transmission Service Agreement	272	Earlier of: term of PG&E Agreement, or 12/29/42
33.	Midway - Vincent 500 kV	SMUD	S-N	Contract between California Companies and Sacramento Municipal Utility District for Extra High Voltage Transmission and Exchange Service	39	Useful life of existing Pa per Amendment #2

## TCA APPENDIX B: EDISON'S CONTRACT ENCUMBRANCES

	POINT OF RECEIPT- DELIVERY	PARTIES	DIR.	CONTRACT TITLE	FERC No.	CONTR/
34.	Pacific AC 500 kV Intertie	LADWP	Bi-dir.	Exchange Agreement	219	5/31/25
35.	COB-Sylmar - Rio Hondo	Azusa	To Sylmar and Rio Hondo	Pacific Intertie Firm Transmission Service	Pending	Earlier of 10/31/ 1-year notice gi
36.	COB - Sylmar	Banning	To Sylmar	Pacific Intertie Firm Transmission Service	Pending	Earlier of 10/31/ year notice give
37.	COB - Sylmar-Vista	Colton	To Sylmar and Vista	Pacific Intertie Firm Transmission Service	389	Earlier of 10/31/ notice given aft
38.	Pacific DC +/- 500 kV Intertie	Riverside	N-S	1996 BPA Firm Transmission Service Agreement.	250.41	Midnight 04/30
39.	SONGS - Lewis	Anaheim	To Lewis	SONGS Firm Transmission Service Agreement	246.13	Earliest of: 12/3/ terminate, or 1- will not termina
40.	SONGS - Vista	Riverside	To Vista	SONGS 2 & 3 Firm Transmission Service Agreement	250.15.12	Termination of 1990 IOA



## TCA APPENDIX B: EDISON'S CONTRACT ENCUMBRANCES

	POINT OF RECEIPT- DELIVERY	PARTIES	DIR.	CONTRACT TITLE	FERC No.	CONTRACT
41.	Victorville/Lugo - Midway	MSR	Bi-dir.	Firm Transmission Service Agreement (Victorville/Lugo-Midway)	339	Earlier of: five-year notice given after termination of 1990 STS Contract, or LA Agreement.
42.	Victorville/Lugo - Vista	Riverside	To Vista	Intermountain Power Project Firm Transmission Service Agreement	250.8.10	Earlier of: agreement termination of 1990 STS Contract, or LA Agreement.
43.	Victorville/Lugo - Rio Hondo	Azusa	To Rio Hondo	PVNGS Firm Transmission Service Agreement	247.6	Earliest of: termination of 1990 STS Contract, or LA Agreement, or PVNGS participation agreement.
44.	Victorville/Lugo - ISO Grid Take Out Point serving Banning	Banning	To Banning	PVNGS Firm Transmission Service Agreement	248.7	Earliest of: agreement termination of 1990 STS Contract, or LA Agreement, or PVNGS participation agreement, or Banning's 1-year notice given after termination of PVNGS participation agreement.
45.	Victorville/Lugo - Vista	Colton	To Vista	PVNGS Firm Transmission Service Agreement	249.4	Earliest of: agreement termination of 1990 STS Contract, or LA Agreement, or PVNGS participation agreement, or Colton's 1-year notice given after termination of PVNGS participation agreement.
46.	Victorville/Lugo - Vista	Riverside	To Vista	PVNGS Firm Transmission Service Agreement	250.10.10	Earliest of: agreement termination of 1990 STS Contract, or LA Agreement, or PVNGS participation agreement, or entitlement in PVNG SRP-WAPA Mead-I or SRP-SCPPA ITS.
47.	Victorville/Lugo - Lewis	San Juan for Anaheim	Bi-dir.	1995 San Juan Unit 4 FTS	392	Earliest of: 12/31/02 terminate, or 1-year notice given after termination of 1990 STS Contract, or LA Agreement, or PVNGS participation agreement, or entitlement in PVNG SRP-WAPA Mead-I or SRP-SCPPA ITS.

## TCA APPENDIX B: EDISON'S CONTRACT ENCUMBRANCES

	POINT OF RECEIPT- DELIVERY	PARTIES	DIR.	CONTRACT TITLE	FERC No.	CONTR
48.	Victorville/Lugo --Laguna Bell	Vernon	Bi-dir.	Victorville-Lugo Firm Transmission Service	154.24	Terminates Mead-Adel.
49.	Victorville/Lugo --Laguna Bell	Vernon	Bi-dir.	Victorville-Lugo Firm Transmission Service	154.24	Up to term
50.	Victorville/Lugo - Vista	Deseret for Riverside	To Vista	Edison-Riverside 1992 Deseret Firm Transmission Service Agreement	250.27.3	Earlier of: a termination Agreement, SCPPA ST: IPP Additio
51.	Victorville/Lugo - ISO Grid Take Out Point serving Banning	Banning	Bi-dir.	Sylmar Firm Transmission Service Agreement	248.24	Earliest of a Banning's 1 1/1/02, or to interest in S
52.	Victorville/Lugo - Rio Hondo	Azusa	to Rio Hondo	Pasadena FTS	247.8	Earliest of Azusa's 1-y 1/1/02, or to San Juan #2
53.	Victorville/Lugo - Vista	Colton	to Vista	Pasadena FTS	249.8	Earliest of Colton's 1- 1/1/02, or to San Juan #2

## TCA APPENDIX B: EDISON'S CONTRACT ENCUMBRANCES

	POINT OF RECEIPT- DELIVERY	PARTIES	DIR.	CONTRACT TITLE	FERC No.	CONTI
54.	Sylmar - Rio Hondo	Azusa	To Rio Hondo	1995 San Juan Unit 3 FTS Agreement	247.29	Earlier of: interest in : Azusa's 1- 1/1/02
55.	Sylmar - Goodrich	Pasadena	Sylmar- Goodrich	Pasadena-Edison 230-kV Interconnection and Transmission Agreement	55	8/4/10
56.	Sylmar - Riverside	Riverside	Bi-dir.	Washington Water Power Firm Transmission Service Agreement	250.35	Earliest of: or 20 years provided, c
57.	Sylmar - Vista	Colton	Bi-dir.	Sylmar Firm Transmission Service Agreement	249.24	Earliest of: Colton's 1 1/1/02, or contract.
58.	Sylmar - Midway	Vernon	Bi-dir.	Edison-Vernon Firm Transmission Service Agreement	272	Earlier of: Transmissi (50 yrs).
59.	Sylmar - Laguna Bell	Vernon	Bi-dir.	Edison-Vernon Firm Transmission Service Agreement	272	Earlier of: Transmissi (50 yrs).

**TCA APPENDIX B: EDISON'S CONTRACT ENCUMBRANCES**

	<b>POINT OF RECEIPT- DELIVERY</b>	<b>PARTIES</b>	<b>DIR.</b>	<b>CONTRACT TITLE</b>	<b>FERC No.</b>	<b>CONTRAC</b>
60.	Sylmar - SONGS	SDG&E	To SDG&E	California Companies Pacific Intertie Agreement	40 (38-PG&E; 20-SDG&E)	7/31/07
61.	Sylmar - SONGS	SDG&E	To Sylmar	California Companies Pacific Intertie Agreement	40 (38-PG&E; 20-SDG&E)	7/31/07
62.	Sylmar - Vincent	CDWR	Bi-dir.	Power Contract	112	12/31/04
63.	Sylmar - Mead	PG&E	To Mead.	Edison-PG&E Transmission Agreement	256	7/31/07

## TCA APPENDIX B: EDISON'S CONTRACT ENCUMBRANCES

	POINT OF RECEIPT-DELIVERY	PARTIES	DIR.	CONTRACT TITLE	FERC No.	CONTRACT TERM
64.	City Gate	Anaheim		1990 Power Sale Agreement	251	12/31/1998
65.	City Gate	Azusa		1990 Power Sale Agreement	252	12/31/1998
66.	City Gate	Banning		1990 Power Sale Agreement	253	12/31/1998
67.	City Gate	Colton		1990 Power Sale Agreement	254	12/31/1998
68.	City Gate	Riverside		1990 Power Sale Agreement	255	12/31/1998
69.	ISO Points of Interconnection of Vista and Victor	So. Cal. Water Co.	to SWWC	1997 Restructuring Agreement	387	12/31/2001
70.	Point of Delivery: COB or NOB	BPA	S-N	Long Term Power Sales & Exchange Agreement	222	5/31/2009 or upon 5 year
71.	Point of Delivery: COB or NOB	BPA	S-N	Environmental Energy Storage Agreement	341	3/31/2005 or upon 3 year
72.	Point of Delivery: Midway or 500 kV bus at Vincent	CDWR	S-N	Capacity Exchange Agreement	148	12/31/2004
73.	Point of Delivery: Midway or 500 kV bus at Vincent	CDWR	S-N	Power Contract	112	12/31/2004

## TCA APPENDIX B: EDISON'S CONTRACT ENCUMBRANCES

	POINT OF RECEIPT-DELIVERY	PARTIES	DIR.	CONTRACT TITLE	FERC No.	CONTRACT TI
74.	Point of Delivery: COB, NOB, Four Corners	PacifiCorp	S-N W-E	Winter Power Sale Agreement	278	03/15/03 or 03/15/08 upon agreement of the 3/15/2000
75.	Point of Delivery: COB, Four Corners 345kV	PacificCorp	S-N W- E	Long Term Power Sales Agreement	214	09/30/06, or until final is delivered.
76.	Point of Delivery: Midway	SMUD	S-N	1994-1999 Power Sale Agreement	335	12/31/1999
77.	Point of Delivery: Midway	SMUD	S-N	(1990-99) Power Sale Agreement	238	12/31/1999
78.	Point of Delivery: Palo Verde, Four Corners, Moenkopi	Tucson	W-E	Tucson Power Exchange Agreement	271	5/14/2005
79.	Point of Delivery: Mead	Nevada	W-E	Nevada Power Purchase Agreement	286	9/30/2000
80.	Hoover - Mead	WAPA	Bi-dir.	Lease of Two 230-kV Transmission Lines Between Hoover Power Plant and Mead Substation	304	9/30/2017 or upon 3-y WAPA; WAPA entitle life of Hoover.

## TCA APPENDIX B: EDISON'S CONTRACT ENCUMBRANCES

	POINT OF RECEIPT-DELIVERY	PARTIES	DIR.	CONTRACT TITLE	FERC No.	CONTRACT
81.	Vincent - Vista	Riverside	to Vista	CDWR Power Sale II III IV V	250.21 250.46 250.44 250.50	3/1/1999 10/31/2010 10/31/2010 9/30/1998
82.	Calectric - Vincent	CDWR	to Vincent	CDWR Devil Canyon Power Plant Additional Facilities and Firm Transmission Service Agreement	112.3	Life of Plant
83.	Mojave Siphon - Vincent	CDWR	to Vincent	CDWR Mojave Siphon Additional Facilities and Firm Transmission Service Agreement	342	Life of Plant
84.	Vincent - Oso	CDWR	to Oso	CDWR Power Contract	112	12/31/2004
85.	Vincent - Pastoria	CDWR	to Pastoria	CDWR Power Contract	112	12/31/2004
86.	Warne - Vincent	CDWR	to Vincent	CDWR Power Contract	112	12/31/2004
87.	Vincent - Pearblossom	CDWR	to Pearblossom	CDWR Power Contract	112	12/91/2004
88.	Blythe - Cibola, & Ehrenberg (Buckskin service does not go through ISO system)	APS	To APS Load	Firm Transmission Service (Blythe Accounts)	348	Upon 3-year notice notice by Edison

**SDG&E APPENDIX B****SDG&E'S ENCUMBRANCES****I. Local Furnishing Transmission System Encumbrances**

The ISO shall exercise Operational Control over SDG&E's Local Furnishing Transmission System consistent with the following Encumbrances in accordance with the Local Furnishing Debt Operating Procedures that SDG&E has provided the ISO:

- A. Section 9600(a)(6) of the California Public Utilities Code provides that Participating TOs shall not be compelled to violate restrictions applicable to facilities financed with tax-exempt bonds or contractual restrictions and covenants regarding use of transmission facilities existing as of December 20, 1995.

SDG&E's transmission facilities and other electric properties are financed in part with the proceeds of Local Furnishing Bonds. Prior to December 20, 1995, pursuant to provisions of the loan agreement, engineering certificates, and tax certificates and agreements associated with outstanding Local Furnishing Bonds issued for its benefit, SDG&E has covenanted not to take or permit any action that would jeopardize the tax-exempt status of interest on Local Furnishing Bonds issued for its benefit.

Accordingly, notwithstanding anything to the contrary contained in the Agreement, including SDG&E's agreement to be bound by the terms of the Restated and Amended ISO Tariff and the Restated and Amended TO Tariff, SDG&E may not take (nor may SDG&E allow the ISO to take) any action that would jeopardize the tax-exempt status of interest on Local Furnishing Bonds issued for its benefit, including (without limitation) the actions specified below.

- B. Absent an approving written opinion of nationally recognized bond counsel selected by SDG&E, SDG&E will not operate its facilities (or allow its facilities to be operated) so as to cause or permit a cumulative annual net outbound flow of electric energy from the points of interconnection between (i) SDG&E's wholly-owned transmission lines which are directly connected to SDG&E's electric distribution facilities in San Diego and Orange Counties, and (ii) other electric properties. As of January 1, 1998, these interconnection points include:

1. the point at the International Border where SDG&E's ownership interest in the 230 kV Miguel/Tijuana transmission



- line interconnects with Comision Federal de Electricidad's ownership interest in the Miguel/Tijuana transmission line;
2. the set of points at the San Onofre Nuclear Generating Station ("SONGS") where SDG&E's wholly-owned transmission facilities interconnect with a switchyard but which is owned (in whole or in part) by Southern California Edison Company ("SCE");
  3. the point where SDG&E's wholly-owned segment of the 500 kV Miguel/Imperial Valley transmission line interconnects with the Imperial Valley Substation;
  4. the point at the San Diego/Imperial Valley border where SDG&E's ownership interest in a 2.5 mile-long radial distribution line interconnects with Imperial Irrigation District's ownership interest in that same distribution line;
  5. the point at the Riverside/Orange County border and the Riverside/San Diego County border where SDG&E's ownership interest in several isolated distribution lines interconnect with SCE's ownership interest in those same distribution lines;
  6. the point where SDG&E's wholly-owned Narrows Substation interconnects with transmission facilities which are owned by Imperial Irrigation District.
- C. For purposes of paragraph B, net flows shall be calculated by treating as an outbound flow at the SONGS switchyard bus all electric energy generated at SONGS on behalf of SDG&E (i.e., consequent to SDG&E's interest in SONGS) that is not transmitted into SDG&E's electric service area in San Diego and Orange Counties. Electric energy generated at SONGS on behalf of SDG&E that is transmitted into SDG&E's service area, whether for delivery to retail customers of SDG&E or for other uses, shall not be treated as an inbound flow at the SONGS switchyard bus interconnection for purposes of this calculation.
- D. SDG&E will not operate its facilities (or allow its facilities to be operated) so as to curtail delivery of electric energy to its native load customers involuntarily in order to provide electric energy to customers outside of its electric service territory in San Diego and Orange Counties, unless such curtailment is necessitated by the failure of facilities either partially or wholly owned by SDG&E.

- E. Upon SDG&E's receipt of a written request by the ISO to take (or to refrain from taking) any action that SDG&E believes might jeopardize the tax-exempt status of interest on Local Furnishing Bonds issued for its benefit, SDG&E in good faith shall promptly seek to obtain an opinion (of the type generally regarded in the municipal bond market as unqualified) from a nationally recognized bond counsel selected by SDG&E that the requested action (or inaction) will not adversely affect such tax-exempt status. Until the opinion of bond counsel described above is obtained, SDG&E shall not be required to take (or to refrain from taking) the specified action, and the ISO shall exercise its Operation Control consistent with such limitation.
  
- F. If the ISO proposes to set rates for transmission over SDG&E's transmission facilities based in whole or in part upon the costs to Participating Transmission Owners other than SDG&E (see, e.g., California Public Utilities Code § 9600(a)(2)), the ISO will return Operating Control over SDG&E's transmission facilities to SDG&E unless SDG&E, in good faith, has obtained an opinion (of the type generally regarded in the municipal bond market as unqualified) from nationally recognized bond counsel selected by SDG&E that the proposed ratemaking will not adversely affect the tax-exempt status of interest on Local Furnishing Bonds issued for the benefit of SDG&E.
  
- G. If SDG&E has been unable to obtain the unqualified opinion of bond counsel described in sections E and F above, upon written request by a entity eligible to file an application under Section 211 of the Federal Power Act ("FPA")(or the ISO acting as its agent)(collectively, the "Eligible Entity"), SDG&E in good faith shall promptly seek to obtain a ruling from the Internal Revenue Service that the requested action (or inaction) or transmission rates will not adversely affect the tax-exempt status of interest on Local Furnishing Bonds issued for the benefit of SDG&E. If such a ruling cannot be obtained, SDG&E will not object to an Eligible Entity seeking an order under Section 211 of the FPA with respect to the requested action (or inaction) or transmission rates.

**II. Mortgage Lien**

The ISO shall acknowledge the mortgage lien set forth below:

- A. The lien of the Mortgage and Deed of Trust dated July 1, 1940 between San Diego Gas & Electric Company and The Bank of California, as trustee, as amended and supplemented and in effect on the date hereof (the "SDG&E Mortgage"). The transfer of Operational Control to the ISO pursuant to this Agreement shall in no event be deemed to be a lien or charge on the property subject to the SDG&E Mortgage which would be prior to the lien of the SDG&E Mortgage; however, no consent of the trustee under the SDG&E Mortgage is required to consummate the transfer of Operational Control to the ISO pursuant to this Agreement.

## APPENDIX B.2

SDG&E's List of Contract Encumbrances<sup>1/2</sup>

CONTRACT NUMBER	CONTRACT NAME	OTHER PARTIES	FERC NO.	CONTRACT TERMINATION	FACILITY/PATH
81-034	Mutual Assistance Transmission Agreement	IID, APS, Edison	62	4/12/2034 or sooner by mutual agreement of the parties.	In the event of a contingency involving the Palo Verde-North Gila-Imperia transmission system, IID and SI participants to share the a predetermined operating procedure as set forth in the operating bulletin.
79-016	SONGS Participation Agreement	Edison, Anaheim, Riverside	321	None	SDG&E's share of SONGS 230 kV transmission lines - San Luis Rey Tap - Mission - Talega (2 lines) - Encina
79-017	IID-SDG&E Interconnection and Exchange Agreement	IID	065	June 24, 2051 (schedule pertaining to emergency capacity/energy services is expected to be terminated upon execution by IID of the ISO's Control Area Agreement).	Should a contingency occur involving the Palo Verde-North Gila-Imperia electric system, IID and SI emergency capacity and energy services are expected to be terminated upon execution by IID of the ISO's Control Area Agreement).
78-007	CFE-SDG&E Interconnection and Exchange Agreement	CFE		12 month notice (schedule pertaining to emergency capacity/energy services is expected to be terminated upon execution by IID of the ISO's Control Area Agreement).	Should a contingency occur involving the Palo Verde-North Gila-Imperia electric system, CFE and SI emergency capacity and energy services are expected to be terminated upon execution by IID of the ISO's Control Area Agreement).
81-005	Palo Verde-North Gila Line ANPP High Voltage Switchyard Interconnection Agreement	APS, IID, PNM, SRP, El Paso, SCE, SCPPA	063	July 31, 2031	In the event that the capacity of the Palo Verde-North Gila Line ANPP Switchyard is insufficient to accommodate the capacity requirements of the Palo Verde-North Gila Line ANPP Switchyard Participation Agreement, the capacity requirements of the Palo Verde-North Gila Line ANPP Switchyard Participation Agreement shall be reduced to the capacity of the Palo Verde-North Gila Line ANPP Switchyard.

<sup>1</sup> An additional encumbrance pertaining to Local Furnishing Bonds that does not fit into the format for existing contract at pages SDG&E App. B-1 through B-3 hereof.

<sup>2</sup> An additional encumbrance pertaining to SDG&E's lien of Mortgage and Deed of Trust that does not fit into the format for existing contract at pages SDG&E App. B-4 hereof.

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81-050	IID-SDG&E Transmission System Participation Agreement	IID		June 24, 2051	SDG&E and IID schedule California Transmission System at the Yuma (North Gila) 500 kV breaker yard with the following percentages of ownership: SDG&E -- 85.64%; and IID -- 14.36%
78-003	APS-SDG&E Transmission System Participation Agreement	APS		July 31, 2031	SDG&E, APS, and IID schedule Arizona Transmission System at the Palo Verde Switchyard (Gila) 500 kV Switchyard with the following operating capacity: APS -- 85.64%; SDG&E -- 14.36%; and IID -- 0%
QFD000.016	Power Sale Agreement between SDG&E-City of Escondido for the Rincon Indian Reservation	City of Escondido	76	Agreement to be terminated effective upon FERC acceptance of Notice of Termination.	Obligates SDG&E to sell a portion of the Palo Verde Services at the Rincon Indian Reservation