

## **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.	Bay Area Rapid Transit	Service Agreement Nos. 42 and 43 to FERC Electric Tariff, First Revised Volume No. 12	Network Integration Transmission Service Agreement and Network Operating Agreement - OAT	10/1/2016	
2.	CDWR	Comprehensive Agreement – PG&E Rate Schedule FERC No. 77	Interconnection and Transmission	12/31/2014	Transmission Related Losses
3.	CDWR	Etiwanda Power Plant Generation Exchange – PG&E Rate Schedule FERC No. 169	Power exchanges	Evergreen, or on 5 years notice	
4.	Dynegy Power Services	Control Area Transmission Agreement – PG&E Rate Schedule FERC No. 224	Transmission and various other services	Terminated 12/31/01. PG&E filing of FERC termination pending submittal.	

<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.

Ref. #	Entities	Contract / Rate Schedule #	Nature of Contract	Termination	Comments
5.	DOE Laboratories, WAPA	PG&E/WAPA/DOE-SF 10/30/98 Settlement Agreement – PG&E Rate Schedule FERC No. 147	Transmission Service	3/31/2009	
6.	Midway-Sunset Co-Generation	Cogeneration Project Special Facilities – PG&E Rate Schedule FERC No. 182	Interconnection, transmission	1/1/2017	
7.	Minnesota Methane	Service Agreement No. 1, under FERC Electric Tariff, First Revised Volume No. 12	Firm Point-to-Point Transmission Service - OAT	10/1/2016	Effective 10/1/96
8.	Modesto Irrigation District	Interconnection Agreement – PG&E Rate Schedule FERC No. 116	Interconnection, transmission, power sales	4/1/2008	Power sales are coordination sales – voluntary spot sales
9.	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	
10.	Path 15 Operating Instructions Settlement, Revision 1 – Various, see FERC Docket No. ER04-61-000	Exhibit B-1 to this Appendix B to the TCA	Implements curtailment priorities consistent with various Existing Transmission Contracts. Establishes Path 15 Facilitator role for PG&E.	Upon request by PG&E after 1/1/05, subject to FERC acceptance.	
11.	Power Exchange	Control Area Transmission Service Agreement – PG&E Rate Schedule FERC No. 186	Transmission and various other services	Terminated 3/1/2000. PG&E filing of FERC termination pending submittal	
12.	Puget Sound Power & Light	Capacity and Energy Exchange – PG&E Rate Schedule FERC No. 140	Power exchanges	Terminates on 5 years' advance notice.	

Ref. #	Entities	Contract / Rate Schedule #	Nature of Contract	Termination	Comments
13.	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
14.	Santa Clara (City of)	Mokelumne Settlement and Grizzly Development Agreement – PG&E Service Agreement No. 20 under FERC Electric Tariff Sixth Revised Volume No. 5	Transmission, power sales	1/1/2034	
15.	SCE, SDG&E	Calif. Companies Pacific Intertie Agreement – PG&E Rate Schedule FERC No. 38	Transmission service	8/1/2007	Both entitlement and encumbrance.
16.	SCE, Montana Power Nevada Power, Sierra Pacific	WSCC Unscheduled Flow Mitigation Plan – PG&E Rate Schedule FERC No. 221	Operation of control facilities to mitigate loop flows	Evergreen, or on notice	No transmission services provided, but classified as an entitlement since loop flow is reduced or an encumbrance if PG&E is asked to cut.
17.	Shelter Cove	Interconnection Agreement – PG&E Rate Schedule FERC No. 198	Distribution	6/30/2006	Effective 8/15/96
18.	Sierra Pacific	Interconnection Agreement – PG&E Rate Schedule FERC No. 72	Interconnection and support services	Evergreen, or 3 years notice	
19.	SMUD	Interconnection Agreement – PG&E Rate Schedule FERC No. 136	Interconnection and transmission services	12/31/2009	
20.	SMUD	EHV Transmission Agreement – PG&E Rate Schedule FERC No. 37	Transmission	Terminated 1/1/2005 (appeal pending)	
21.	SMUD	Camp Far West Transmission Agreement – PG&E Rate Schedule FERC No. 91	Transmission	No notice of termination filed with FERC	

Ref. #	Entities	Contract / Rate Schedule #	Nature of Contract	Termination	Comments
22.	SMUD	Slab Creek Transmission Agreement – PG&E Rate Schedule FERC No. 88	Transmission	No notice of termination filed with FERC	
23.	TANC and other COTP Participants, and WAPA	Owners Coordinated Operations Agreement – PG&E Rate Schedule FERC No. 229	Transmission system coordination, curtailment sharing, rights allocation, scheduling.	1/1/2043, or on two years' notice, or earlier if other agreements terminate	Both entitlement and encumbrance
24.	TANC and other COTP Participants	COTP Interconnection Rate Schedule – PG&E Rate Schedule FERC No. 144	Interconnection	Upon termination of COTP	
25.	TANC	Midway Transmission Service / South of Tesla Principles – PGE& Rate Schedule FERC No. 143	Transmission, curtailment priority mitigation, replacement power	Same as the COTP Interim Participation Agreement, subject to exception	
26.	Turlock Irrigation District	Interconnection Agreement – PG&E Rate Schedule FERC No. 213	Interconnection, transmission	4/1/2008, subject to exception	
27.	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 Vernon's COTP rights
28.	WAPA	San Luis Unit – Contract No. 2207A – PG&E Rate Schedule FERC No. 227 (superseding Original Tariff Sheet Nos. 104 through 137 of PG&E Rate Schedule FERC No. 79)	Transmission	4/1/2016	

Includes use of PG&E's DC Intertie or PDCI for prespecified mitigation of curtailments over Path 15.

Ref.#	Entities	Contract / Rate Schedule #	Nature of Contract	Termination	Comments
29.	WAPA	New Melones – Contract No. 8-07-20- P0004 – PG&E Rate Schedule FERC No. 60	Transmission	6/1/2032	Per WAPA, commercial operation date for New Melones was 6/1/82

**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 of the date hereof (the "PG&E Mortgage"). The transfer of Operation 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 require to consummate the transfer of Operation Control to the ISO pursuant to this Agreement.

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**EXHIBIT B-1  
(TO PG&E APPENDIX B)**

**Path 15 Operating Instructions  
For Existing Encumbrances Across the Path 15 Interface  
April 1, 2003, Revision 1**

**Introduction**

As contemplated by the ISO Tariff, and as directed by the Federal Energy Regulatory Commission in its orders on Amendments 3 and 7 to the ISO Tariff, which were filed by the ISO, Pacific Gas and Electric Company (PG&E) has worked with the parties with whom it has existing contracts for transmission service over Path 15 (ETC Parties), in order to develop these Operating Instructions, which, pursuant to sections 2.4.3.1, 2.4.4.4.1, and 2.4.4.4.3 of the ISO Tariff, are to be followed by the ISO in operating this constrained Path. The constraints on Path 15 have been known by all transmission users for many years and have not been alleviated by the creation or operation of the ISO. The Operating Instructions which follow are intended to preserve each ETC Party's pre-existing contract rights<sup>1/</sup> to transmission service over Path 15 and PG&E's use of that transmission path. These Operating Instructions will remain in place until PG&E submits replacement instructions to the ISO. PG&E will not submit revised operating instructions to become effective prior to January 1, 2005, except as necessary due to a materially revised ISO market design or to reflect a material change in ETC rights. All parties reserve all rights to argue for the implementation of different Operating Instructions and priorities for Path 15 consistent with their ETC contract rights, in the event PG&E submits any revised Operating Instructions. Further, any party may oppose any modification of these Operating Instructions that materially affects the rights of such party as set forth herein. Any Party that believes these Operating Instructions should be revised may at any time present the suggested revision to PG&E for its consideration.

**Purpose and Objectives**

These Path 15 Operating Instructions provide direction to the ISO regarding the management of congestion on Path 15 during the ISO's Day Ahead, Hour Ahead and Real Time markets. The objective of these instructions is to assure, on an ongoing basis, the efficient use each day of available Path 15 transfer capability while maintaining the transmission rights and priorities on Path 15 that were in existence as of

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<sup>1/</sup> These operating instructions apply only to unexpired contract rights. Expired contracts will be removed from these instructions at the time of any revision or update. The inclusion of an expired contract in these instructions pending a revision in which the expired contract rights are removed does not confer any extension of such contract.

the ISO Operations Date. These instructions also clarify individual and joint responsibilities between the ISO as the Control Area Operator and PG&E as the Path 15 Existing Transmission Contract (ETC) Facilitator.<sup>2/</sup>

These instructions are to be adhered to except when the ISO determines that system reliability requires that other steps be taken. The ISO is solely responsible for continued system reliability and must unilaterally take all steps necessary to preserve the system in times of emergency.

### **Path 15 Existing Transmission Contract Facilitator (ETC Facilitator)**

PG&E will serve in the capacity of ETC Facilitator to assist the ISO and to provide necessary guidance to the ISO in the administration of Path 15 ETC rights. The ETC Facilitator shall:

1. Provide to the ISO, for each hour of the Trading Day, the total amount of megawatts that should be reserved for use by the ETC Parties.<sup>3/</sup> Such amounts shall be provided generally by 8:30 a.m. of each weekday prior to the start of a Trading Day for the Day-Ahead Market, and generally by 4:30 p.m. of the weekday prior to the start of a Trading Day for the Hour-Ahead Market.<sup>4/</sup> Any revisions to the amount of megawatts reserved for use by the ETC Parties after these times shall be as provided in ISO operating procedures (currently M-423).

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<sup>2/</sup> Specific operating instructions have been provided to the ISO by PG&E in other documents for each of the Existing Contracts for which it is the Responsible Participating Transmission Owner on Path 15. In the contract specific instructions, information is provided on the maximum MW of transmission service available over the path; the quality of transmission service; daily, hourly and real time scheduling rights and responsibilities; curtailment procedures; points of receipt and points of delivery and effective and termination dates of the contract. This set of additional instructions will clarify how the relative transmission rights and priorities of the parties should be managed and administered during times of congestion and possible curtailment on Path 15.

<sup>3/</sup> The ETC Facilitator's specification of the megawatt reservation amount does not limit, in any way, ETC Parties' ability to exercise their rights, including making schedule changes in real time.

<sup>4/</sup> PG&E and most of the ETC Parties pre-schedule Monday through Friday only. PG&E generally provides its ETC reservation for Sunday and Monday by close-of-business on Friday and to the extent practicable, encourages ETC Parties to provide pre-schedules in time to meet the ISO's Day-Ahead market deadline.

2. Facilitate all Path 15 schedules from ETC Parties, including those ETC Parties for which the ETC Facilitator is not the Scheduling Coordinator (SC) , unless otherwise agreed by PG&E and the ETC Party.<sup>5/</sup>
3. Schedule all SC to SC transfers<sup>6/</sup> that utilize ETC rights across Path 15, unless otherwise agreed by PG&E and the ETC Party.
4. Inform ETC Parties, affected SCs, and the ISO, pursuant to these Operating Instructions, when an ETC Party's scheduled usage of Path 15 is reduced and the amount of such reduction.
5. In performing these tasks, ensure that all transmission rights and priorities on Path 15 that were in existence as of the ISO Operations Date are maintained and protected.

### **Day-Ahead Market Congestion Management**

Prior to the start of the ISO Day-Ahead process, the ETC Facilitator will provide the ISO with an hourly reservation for ETC schedules utilizing Path 15. The ISO will determine the hourly amount of the Path 15 operating limit available for New Firm Uses<sup>7/</sup> for use in its Congestion Management Process<sup>8/</sup> by subtracting the ETC megawatt reservation amount from the operating limit for Path 15 for each hour. After the deadline for receiving Day-Ahead Preferred Schedules, the ISO performs its Congestion

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<sup>5/</sup> PG&E may make arrangements with an ETC party to permit that party to self schedule its Path 15 rights. Any such arrangements will preserve the purpose and objectives of these Operating Instructions.

<sup>6/</sup> Currently, Southern California Edison Company (Edison) schedules its SC-SC transfers for its Existing Contracts directly with the ISO. Upon mutual agreement by Edison and PG&E, PG&E may become a party to these SC-SC transfers across Path 15.

<sup>7/</sup> Regulatory Must Take and Regulatory Must Run resources that contribute to the "imputed use" of Path 15 are treated as New Firm Uses for this purpose. The "imputed use" is the expected power flow resulting from the load, interchange, and resource schedules of all SCs.

<sup>8/</sup> The ISO's Congestion Management Process uses Adjustment Bids to reduce the amount of New Firm Use, if necessary, so that such use does not exceed the amount of the Path 15 operating limit less the ETC reservation megawatt amount.

Management Process and determines the Usage Charges, if any, for each hour of congestion on Path 15. ETC Parties whose schedules over Path 15 are submitted to the ISO by the ETC Facilitator will not be assessed Usage Charges associated with their Path 15 schedules by the ETC Facilitator.

### **Hour-Ahead Market Congestion Management**

Because scheduling timelines in ETC Parties' contracts (including third party contracts using ETC Party rights) differ from the ISO's scheduling timeline, some pre-schedules from such parties are likely to be scheduled in the Hour-Ahead Market. The ETC Facilitator's ETC megawatt reservation amount submitted in the Day-Ahead Market is intended to provide sufficient reservation to accommodate the schedules submitted in the Hour-Ahead Market. After the close of the Hour-Ahead Preferred Market, the ISO performs its Congestion Management Process and determines the Usage Charges, if any, for such hour on Path 15. ETC Parties whose schedules over Path 15 are submitted to the ISO by the ETC Facilitator will not be assessed Usage Charges associated with their Path 15 schedules by the ETC Facilitator.

### **Real Time Curtailment Priorities**

Any and all ETC Parties' rights (including third party contracts using ETC Party rights) to change schedules after the close of the ISO's Hour-Ahead market will continue to be honored. In the event of curtailments on Path 15 South-to-North in real time, the ETC Facilitator will determine the appropriate order and magnitude of curtailments given the circumstances that occur in real time and the terms and provisions of the ETCs. This determination will be made consistent with the following table "Path 15 South-to-North Real-Time Curtailment Priorities", a copy of which is Attachment A, which is incorporated into and made a part of these Path 15 Operating Instructions by this reference.

In Attachment A, the relative priorities of the various ETC Parties' transmission service rights across Path 15 in real-time are identified by grouping the various rights into separate blocks and ordering the blocks by their relative priority. Attachment A addresses only Path 15 South to North real-time curtailment priorities. The Path 15 North-to-South real-time curtailment priorities will be addressed in a separate and distinct set of Operating Instructions and will be separately submitted to the ISO after review by the Path 15 ETC Parties.

**EXHIBIT B-1  
 (TO PG&E APPENDIX B)**

**ATTACHMENT A**

**Path 15 Real-Time South-to-North Curtailment Priorities <sup>1/</sup>**

Priority Group	ETC/Priority Holder	South-to-North
1 <sup>2/</sup>	CDWR EHV Agreement <sup>3/</sup> SCE CCPIA encumbered rights SDG&E CCPIA encumbered rights PG&E must-take encumbrances CDWR Comprehensive Agreement	300 MW 320 MW 0 <sup>4/</sup> 810 MW
2	TANC SOTP <sup>5/</sup>	300 MW
3	TID IA (Reserve rights)	32 MW
4 <sup>6/</sup>	PG&E SOTP SCE CCPIA unencumbered rights <sup>7/</sup> SDG&E CCPIA unencumbered rights <sup>7/</sup>	500 MW 347 MW 109 MW
5	New ETC Requests <sup>7/</sup> Other "As Available"	unspecified

<sup>1/</sup> This table may change from time to time as existing contracts are terminated, or the rights under those contracts change (e.g., termination of a QF contract).

<sup>2/</sup> Curtailments within Priority Group 1 are based on each party's contract right or entitlement amount.

<sup>3/</sup> CDWR has both EHV and Comprehensive Agreement rights. When curtailments are required, CDWR's EHV schedules are curtailed beginning at the then-current maximum operating limit of the path (as it may increase or decrease from time to time).

<sup>4/</sup> The Priority Group 1 capacity available to PG&E south-to-north in real time is the capacity remaining after CDWR's EHV and SCE/SDG&E's CCPIA Existing Contract schedules (as may be curtailed) are subtracted from the amount of available capacity. This remaining capacity is available for CDWR's Comprehensive Agreement schedules and PG&E's must-take encumbrances. PG&E's must-take encumbrances rights correspond to the amount of Path 15 south-to-north transfer capability historically available for PG&E must-take generation in ZP26, including but not limited to the generation of PG&E's Diablo Canyon Nuclear Power Plant, minus PG&E load in ZP26. As used in this footnote, "PG&E's must-take encumbrances" means an amount of transmission transfer capability that is reserved for ISO New Firm Uses across Path 15 south-to-north that is the lesser of PG&E's must-take encumbrances rights defined above or the IOU imputed use of Path 15. The IOU imputed use of Path

15 is the expected power flow resulting from the load, interchange and resource schedules of PG&E, SCE and SDG&E across Path 15. CDWR's Comprehensive Agreement schedules are curtailed, pro rata with the Priority Group 1 capacity available to PG&E, beginning at the then-current maximum operating limit of the path (as it may increase or decrease from time to time).

5/ TANC's 300 MW is firm bi-directional service using the Points of Receipt and Delivery set forth in section 2.4 of the SOTP and in accordance with the Curtailment Priorities set forth in section 3.2 of the SOTP. PG&E supports these transfer capabilities by implementing mitigation measures when necessary, to the extent such measures are available, up to a total of 200 MW south-to-north and 700 MW north-to-south. These mitigation measures consist of switching PG&E's scheduled transmission service from the AC Lines to the DC Line.

6/ Priority Group 4 is available for ISO use for New Firm Uses.

7/ "New ETC Requests" includes any requested service by an ETC in excess of the rights set forth in this table for Priority Groups 1-4, provided that this footnote shall not apply to arrangements between or among PG&E and one or more ETC Parties for future capacity upgrades, if such parties agree, or an existing contractual commitment provides otherwise.

## ATTACHMENT 1

### CALIFORNIA ISO PATH 15 ATC DETERMINATION METHODOLOGY

Note: This document is intended to explain the procedures for calculation and allocation of Available Transfer Capacity (ATC) over Path 15 pursuant to the Federal Energy Regulatory Commission's May 22, 2002 order in Docket ER99-1770-001 (99 FERC ¶ 61,212). It should not be interpreted in any way to modify Exhibit B-1 of the Transmission Control Agreement.

California ISO calculation of Path 15 ATC in the Day Ahead and Hour Ahead Markets (largely described in Exhibit B-1):

1. The ISO calculates the Operating Transfer Capability (OTC) for Path 15 and calculates the Existing Contract (ETC) rights of the Edison ETC rights holders.
2. By 8:30 a.m. of each week day prior to the start of the Trading Day PG&E submits to the ISO the ETC capacity to be reserved in the Day Ahead Market, and by 4:30 p.m. of each week day prior to the start of the Trading Day PG&E may submit a revised ETC reservation amount to the ISO for the ETC capacity to be reserved in the Hour Ahead Market. Any revisions to the amount of megawatts reserved for use by the ETC Parties after these times shall be as provided in ISO operating procedures (currently M-423). (The amount reserved by PG&E in the Day-Ahead Market is based on pre-scheduled amounts submitted by the PG&E-facilitated ETC rights holders to PG&E by 8:15 a.m. or on the previous day's schedules and PG&E's view of the capacity that will be used by such ETC rights holders, with an additional amount of margin to ensure that sufficient capacity is available to the PG&E-facilitated ETC rights holders that wish to modify their pre-scheduled use of their capacity in the Hour-Ahead and real time scheduling processes. PG&E can but does not ordinarily provide updates in advance of the Hour Ahead Market.)
3. The ISO subtracts the capacity reserved for the PG&E-facilitated and Edison ETC rights holders over Path 15 from the Path 15 OTC to determine the ATC available for New Firm Uses (NFU).

Allocation of ATC on Path 15 in real-time, i.e. calculate ETC available rights and curtailments based on applicable priorities (largely described in Exhibit B-1 and Attachment A to Exhibit B-1):

1. Path 15 OTC: Confirm Path 15 South-to-North OTC and adjust for Unscheduled Flows.
2. Priority Group 1 ETCs: Retrieve all actual schedules by ETC Parties in Priority Group 1 (as set forth in Attachment A to Exhibit B-1) from all SCs scheduling on behalf of such parties over Path 15.
3. PG&E Must Take Encumbrance and IOU Imputed Use: Retrieve amounts for PG&E Must-Take Encumbrance (which is available for NFU, but needed to assess certain parties' ETC rights) and the IOU Imputed Use – formerly PX Imputed Use -- (as set forth in footnote 4 of Attachment A to Exhibit B-1). Adjust, if necessary, for known changes in generation amounts from amounts forecast in Day Ahead Markets.
4. Capability Available to Lower Priority ETCs: Subtract from the Path 15 OTC the amounts for Priority Group1 ETCs actual net south-to-north scheduled amounts (2 above) and for each hour the lesser of PG&E's Must Take Encumbrance or the IOU Imputed Use (3 above). This is the amount of transmission capacity available for lower priority ETCs (as set forth in Attachment A to Exhibit B-1).
5. ATC Available for NFU: All ATC not used by ETC Parties is available for NFU (this includes any amount remaining after subtracting from the Path 15 OTC the Priority Group 1-3 ETCs actual scheduled amounts as they are adjusted for any real-time curtailments). Thus the lesser of the PG&E Must Take Encumbrance or the IOU Imputed Use has priority over Priority 2-3 ETCs, but shares the available OTC with Priority 1 ETCs actually scheduled amounts.

Thus, in real time, NFU access to transmission capacity over Path 15 has two levels of priority:

- First, as the capacity represented by the lesser of the PG&E Must Take Encumbrance or the IOU Imputed Use amount, which has priority over lower priority ETCs and may use the unscheduled rights of Priority 1 ETC rights holders, and
- Second, as any capacity that remains after subtracting from OTC the actual schedules for Priority 1-3 ETCs and the NFU amount above.

However, operationally the ISO does not allocate particular NFU schedules to a particular priority but rather treats all NFU schedules as a single block. The following example illustrates how this occurs:

Assume that OTC over Path 15 is 2,500 MW in a given hour and that there is no Unscheduled Flow. Assume that there are 800 MW of Priority 1 ETC actual schedules, 1,000 MW of PG&E Must Take Encumbrance, 200 MW of lower priority ETC actual schedules, and 1,500 MW of NFU. This NFU amount, as described above, uses the 1,000 MW of PG&E Must Take Encumbrance and the amount of capability remaining after accommodating the lower priority ETC schedules. Assume that Path 15 is derated to 2,000 MW. In this example, no ETC curtailment is indicated, thus the ISO must take actions to reduce the flow. The ISO would use Adjustment Bids and Supplemental Energy bids in the BEEP stack to attempt to accommodate the transactions without curtailing any of the NFU schedules. Assume that after bids in the BEEP stack are exhausted, 1,200 MW of NFU remain on Path 15 and curtailments are required (this occurrence is rare). If feasible within the time available to manage the Path derating, the 1,200 MW of NFU would be curtailed on a pro-rata basis to result in NFU of 1,000 MW. Assume that Path 15 is further derated to 1,000 MW and that all bids in the BEEP stack remain exhausted. If feasible within the time available to manage the Path derating, the 1,000 MW of NFU (the amount that is using the priority rights equal to the amount of the PG&E Must Take Encumbrance) would be curtailed on a pro-rata basis to result in NFU of 200 MW and the lower priority ETC schedules would be curtailed to 0 MW. Note: Priority 1 ETC rights are determined on the basis of the Path 15 OTC, and only curtailed if the Priority 1 ETC rights holder's schedule exceeds its contract right or entitlement amount

## TCA APPENDIX B: EDISON'S CONTRACT ENCUMBRANCES

	POINT OF RECEIPT-DELIVERY	PARTIES	DIR.	CONTRACT TITLE	FERC No.	CONTRACT TERMINATION	CONTRACT AMOUNT
1.	Devers - Mirage / Coachella 230 kV	IID	SCE to IID	Firm Transmission Service Agreement	268	On 3-year notice	100 MW May-October, 50 MW rest of the year.
2.	Devers - ISO Grid Take Out Point serving Banning	Banning	To Banning	1995 San Juan Unit 3 Firm Transmission Service Agreement	381	Earlier of termination of Banning's interest in San Juan Unit 3 or Banning's 1-year notice given after 1/1/03	15 MW
3.	Devers-- Vista	Colton	To Vista	1995 San Juan Unit 3 Firm Transmission Service Agreement	365	Earlier of termination of Colton's interest in San Juan Unit 3 or Colton's 1-year notice given after 1/1/03	14.043 MW
4.	Hinds - Vincent	MWD	Bi-dir.	District-Edison 1987 Service and Interchange Agreement	443	The earlier of either (1) the term of MWD's Hoover Electric Service Contract (DE-MS65-86WP39583) expected to be 9/30/2017 or (2) five-year notice	110 MW

Footnotes:

- The following is an additional encumbrance that does not fit into the format for existing contract encumbrances. The additional encumbrance is: The lien of the Trust Indenture dated as of October 1, 1923, between Edison and Harris Trust and Savings Bank and Pacific-Southwest Trust & Savings Bank (D. G. Donovan, successor trustee), as trustees ("the Edison Indenture"). The transfer of control to the ISO pursuant to this Agreement (i) does not require any consent from the trustees under the 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 the Edison Indenture, and (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 instructions submitted by the PTO in accordance with the ISO Tariff and the TCA.

	POINT OF RECEIPT-DELIVERY	PARTIES	DIR.	CONTRACT TITLE	FERC No.	CONTRACT TERMINATION	CONTRACT AMOUNT
5.	Eldorado-Vincent	CDWR	Bi-dir.	Firm Transmission Service Agreement (Eldorado-Vincent)	113	Earlier of date that a) CDWR has obtained for replacement transmission service; b) CDWR is no longer entitled to Reid Gardner Unit 4 output; c) 12/31/2020; or, d) Reid Gardner Unit 4 is permanently retired from service.	235 MW
6.	Eldorado / Mohave - Lugo	LADWP	Bi-dir.	Victorville - Lugo Interconnection Agreement	51	11/20/ 2019 or sooner by mutual agreement	Edison is required to provide capacity to LADWP equal to the product of LA's Capacity Share and the deemed capacity of the transmission system consisting of Mohave-Lugo, Mohave-Eldorado, Eldorado-Lugo, Eldorado-McCullough, McCullough-Victorville lines, and Victorville-Lugo 500 kV transmission lines.
7.	Moenkopi - Eldorado	USA, APS, SRP, NPC, LADWP, TGE	Bi-dir.	Edison - Navajo Transmission Agreement	264	5/21/23	In the event of a contingency in the Navajo-McCullough or Moenkopi-Eldorado transmission lines, Edison and the Navajo participants provide each other emergency service transmission rights without a charge.
8.	Mohave – Eldorado	LADWP, NPC, SRP	to Eldorado	Amended and Restated Eldorado System Conveyance and Co-Tenancy Agreement, Eldorado System Conveyance 2 and Co-Tenancy Agreement, Amended and Restated Eldorado System Operating Agreement	424, 425	7/1/06	If Mohave-Eldorado line is curtailed, pro-rata back up is provided on Mohave-Lugo and Eldorado-Lugo lines. If Mohave-Lugo is curtailed, pro-rata back-up is provided on Mohave-Eldorado. Amount of back up capacity is up to participant's Mohave Capacity Entitlement. For curtailment purposes, Capacity Entitlements are: Edison-884 MW; LADWP-316 MW; NPC-222 MW;SRP-158 MW.

	POINT OF RECEIPT-DELIVERY	PARTIES	DIR.	CONTRACT TITLE	FERC No.	CONTRACT TERMINATION	CONTRACT AMOUNT
9.	Eldorado - Mead	LADWP, NPC, SRP	to Eldorado	Amended and Restated Eldorado System Conveyance and Co-Tenancy Agreement, Eldorado System Conveyance 2 and Co-Tenancy Agreement, Amended and Restated Eldorado System Operating Agreement	424, 425	7/1/06	If Eldorado-Mead lines are curtailed, line capacity is allocated pro rata in proportion to the following Capacity Entitlements: NPC-222 MW; SRP-158 MW; LADWP – 0 MW; Edison Capacity Entitlement is equal to entire capacity of the Eldorado-Mead Line Nos. 1&2 minus NPC Capacity Entitlement minus SRP Capacity Entitlement.
10.	Mead - Mohave	NPC	To Mohave	Amended and Restated Agreement for Additional NPC Connection to Mohave Project	426	Co-terminous with Mohave Project Plant Site Conveyance and Co-Tenancy Agreement	Up to 222 MW of Back-up transmission service.
11.	Mead - ISO Grid Take Out Point serving Banning	Banning	E-W	Hoover Firm Transmission Service Agreement	378	Earliest of: Banning's 1-year notice given after 1/1/02, or termination of WAPA Service Contract	2 MW
12.	Mead - Rio Hondo	Azusa	Bi-dir	Sylmar Firm Transmission Service Agreement	375	Earliest of: Azusa's 1-year notice given after 1/1/02, or termination of Azusa's interest in San Juan #3	8 MW
13.	Mead - Rio Hondo	Azusa	E-W	Hoover Firm Transmission Service Agreement	372	Earliest of: Azusa's 1-year notice given after 1/1/02, or termination of WAPA Service Contract	4 MW
14.	Mead - Vista	Colton	E-W	Hoover Firm Transmission Service Agreement	361	Earliest of: Colton's 1-year notice given after 1/1/02, or termination of WAPA Service Contract	3 MW

	POINT OF RECEIPT- DELIVERY	PARTIES	DIR.	CONTRACT TITLE	FERC No.	CONTRACT TERMINATION	CONTRACT AMOUNT
15.	Mead - Riverside	Riverside	E-W	Hoover Firm Transmission Service Agreement	390	180 day notice by Riverside or termination of WAPA Service Contract	30 MW
16.	Mead - Laguna Bell	Vernon	Bi-dir	Mead Firm Transmission Service Agreement	207	Upon mutual agreement or termination of Hoover Power Sales Agreement	26 MW
17.	Mead - Mountain Center	AEPCO	E-W	Firm Transmission Service Agreement	131	7/1/21 or on 10 years notice	10 MW
18.	Palo Verde - Devers	LADWP	Bi-dir	Exchange Agreement	219	Earliest of (i) in-service of DPV#2 line, (ii) the in-service date of any other new transmission line connecting Palo Verde to Devers in which LADWP has obtained an ownership interest or entitlement, (iii) the date DPV#1 is permanently removed from service, (iv) 4 years after CPUC approval to transfer DPV#2 rights of way to LADWP or (v) 12 months notice by LADWP.	368 MW
19.	Palo Verde - Sylmar	LADWP	Bi-dir.	Exchange Agreement	219	5/31/2012	100 MW
20.	Sylmar - Devers	LADWP	Bi-dir	Exchange Agreement	219	When DPV#1 is removed from service, or if DPV#2 is built, the date DPV#2 is removed from service	368 MW
21.	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.	In the event of a contingency in the Palo Verde-Devers, Palo Verde-North Gila-Imperial Valley transmission lines, participants to share the available capacity based on predetermined operating procedures set out in an operating bulletin.

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Substitute First Revised Sheet No. 120  
 Superseding Original Sheet No. 120

	POINT OF RECEIPT- DELIVERY	PARTIES	DIR.	CONTRACT TITLE	FERC No.	CONTRACT TERMINATION	CONTRACT AMOUNT
22.	Midway - Vincent 500 kV	PG&E	N-S	California Companies Pacific Intertie Agreement	40 (38- PG&E; 20-SDG&E)	7/31/07	633 MW
23.	Midway - SONGS	SDG&E	N-S	California Companies Pacific Intertie Agreement	40 (38- PG&E; 20-SDG&E)	7/31/07	161 MW
24.	Midway - Vincent 500 kV	LADWP	Bi-dir.	Exchange Agreement	219	5/31/25 or Pacific AC Intertie Agreement termination on 7-31-2007	320 MW
25.	Midway - Vincent 500 kV	PG&E	S-N	California Companies Pacific Intertie Agreement	40 (38- PG&E; 20-SDG&E)	7/31/07	655 MW
26.	Midway - SONGS	SDG&E	S-N	California Companies Pacific Intertie Agreement	40 (38- PG&E; 20- SDG&E)	7/31/07	109 MW
27.	Midway - Laguna Bell	Vernon	Bi-dir.	Edison-Vernon Firm Transmission Service Agreement	272	Earlier of: term of PG&E Transmission Agreement, or 12/29/42 (50 yrs).	60 MW until 1/1/00, 60MW after 12/31/07
28.	Pacific AC 500 kV Intertie	LADWP	Bi-dir.	Exchange Agreement	219	5/31/25 or Pacific AC Intertie Agreement termination on 7-31-2007	320 MW

	<b>POINT OF RECEIPT- DELIVERY</b>	<b>PARTIES</b>	<b>DIR.</b>	<b>CONTRACT TITLE</b>	<b>FERC No.</b>	<b>CONTRACT TERMINATION</b>	<b>CONTRACT AMOUNT</b>
29.	SONGS - Vista	Riverside	To Vista	SONGS 2 & 3 Firm Transmission Service Agreement	393	180 day notice by Riverside or SONGS Participation termination	42 MW
30.	Victorville/Lugo - Midway	MSR	S-N	Firm Transmission Service Agreement (Victorville/Lugo-Midway)	339	Earlier of: five-year notice by MSR, or life of Mead-Adelanto 500 kV Transmission Project	150 MW
31.	Victorville/Lugo - Vista	Riverside	To Vista	Intermountain Power Project Firm Transmission Service Agreement	391	180 day notice by Riverside or IPP Participation termination	156 MW
32.	Victorville/Lugo - Rio Hondo	Azusa	To Rio Hondo	PVNGS Firm Transmission Service Agreement	373	Earliest of: Azusa's 1-year notice given after 1/1/02, termination of PVNGS entitlement, or termination of PVNGS participation.	4 MW
33.	Victorville/Lugo - ISO Grid Take Out Point serving Banning	Banning	To Banning	PVNGS Firm Transmission Service Agreement	379	Earliest of: Banning's 1-year notice given after 1/1/02, or termination of PVNGS entitlement, or termination of PVNGS participation.	3 MW
34.	Victorville/Lugo - Vista	Colton	To Vista	PVNGS Firm Transmission Service Agreement	362	Earliest of: Colton's 1-year notice given after 1/1/02, or termination of PVNGS entitlement, or termination of PVNGS participation.	3 MW

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Substitute First Revised Sheet No. 122  
 Superseding Original Sheet No. 122

	<b>POINT OF RECEIPT- DELIVERY</b>	<b>PARTIES</b>	<b>DIR.</b>	<b>CONTRACT TITLE</b>	<b>FERC No.</b>	<b>CONTRACT TERMINATION</b>	<b>CONTRACT AMOUNT</b>
35.	Victorville/Lugo - Vista	Riverside	To Vista	PVNGS Firm Transmission Service Agreement	392	Earliest of: Riverside's 1-year notice given after 1/1/02, or termination of PVNGS entitlement, or termination of PVNGS participation.	12 MW
36.	Victorville/Lugo --Laguna Bell	Vernon	Bi-dir.	Victorville-Lugo Firm Transmission Service	360	Terminates with permanent removal of Mead-Adelanto from service	11 MW
37.	Victorville/Lugo - ISO Grid Take Out Point serving Banning	Banning	Bi-dir.	Sylmar Firm Transmission Service Agreement	380	Earliest of Banning's 1-year notice given after 1/1/02, or termination of Bannings interest in San Juan #3.	5 MW

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Substitute First Revised Sheet No. 123  
 Superseding Original Sheet No. 123

	<b>POINT OF RECEIPT- DELIVERY</b>	<b>PARTIES</b>	<b>DIR.</b>	<b>CONTRACT TITLE</b>	<b>FERC No.</b>	<b>CONTRACT TERMINATION</b>	<b>CONTRACT AMOUNT</b>
38.	Victorville/Lugo - Rio Hondo	Azusa	to Rio Hondo	Pasadena FTS	374	Earliest of Azusa's 1-year notice given after 1/1/02, or termination of ownership in San Juan #3.	14 MW
39.	Victorville/Lugo - Vista	Colton	to Vista	Pasadena FTS	363	Earliest of Colton's 1-year notice given after 1/1/02, or termination of ownership in San Juan #3.	18 MW
40.	Sylmar - Rio Hondo	Azusa	To Rio Hondo	1995 San Juan Unit 3 FTS Agreement	376	Earlier of: termination of Azusa's interest in San Juan Unit #3 or Azusa's 1-year notice given after 1/1/02	10 MW

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Substitute First Revised Sheet No. 124  
 Superseding Original Sheet No. 124

	POINT OF RECEIPT-DELIVERY	PARTIES	DIR.	CONTRACT TITLE	FERC No.	CONTRACT TERMINATION	CONTRACT AMOUNT
41.	Sylmar - Goodrich	Pasadena	Bi-dir	Pasadena-Edison 230-kV Interconnection and Transmission Agreement	55	8/4/10	200 MW; Edison also responsible for delivery of up to 15 MW of Azusa Hydro Energy to Pasadena at Goodrich
42.	Sylmar - Vista	Colton	Bi-dir.	Sylmar Firm Transmission Service Agreement	364	Earliest of: Colton's 1-year notice given after 1/1/02, or termination of Idaho service contract.	3 MW
43.	Sylmar - Midway	Vernon	Bi-dir.	Edison-Vernon Firm Transmission Service Agreement	272	Termination of Vernon COTP Ownership	93 MW until 1/1/00, 93MW after 12/31/07
44.	Sylmar - Laguna Bell	Vernon	Bi-dir.	Edison-Vernon Firm Transmission Service Agreement	272	Termination of Vernon COTP Ownership	60 MW
45.	Sylmar - SONGS	SDG&E	To SDG&E	California Companies Pacific Intertie Agreement	40 (38-PG&E; 20-SDG&E)	7/31/07	100 MW
46.	Sylmar - SONGS	SDG&E	To Sylmar	California Companies Pacific Intertie Agreement	40 (38-PG&E; 20-SDG&E)	7/31/07	105 MW
47.	Sylmar - Mead	PG&E	To Mead.	Edison-PG&E Transmission Agreement	256	7/31/07	Up to 200 MW of FTS.

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Substitute First Revised Sheet No. 125  
 Superseding Original Sheet No. 125

	<b>POINT OF RECEIPT-DELIVERY</b>	<b>PARTIES</b>	<b>DIR.</b>	<b>CONTRACT TITLE</b>	<b>FERC No.</b>	<b>CONTRACT TERMINATION</b>	<b>CONTRACT AMOUNT</b>
48.	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-years' notice by WAPA; WAPA entitled to renew through life of Hoover.	Entire capacity leased to WAPA.
49.	Calectric -- Vincent	CDWR	To Vincent	Amended and Restated CDWR Devil Canyon Power Plant Additional Facilities and Firm Transmission Service Agreement	421	Life of Plant	120 MW
50.	Mojave Siphon (Vista) - Vincent	CDWR	To Vincent	CDWR Mojave Siphon Additional Facilities and Firm Transmission Service Agreement	342	Life of Plant	28 MW

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Substitute First Revised Sheet No. 126  
 Superseding Original Sheet No. 126

	<b>POINT OF RECEIPT-DELIVERY</b>	<b>PARTIES</b>	<b>DIR.</b>	<b>CONTRACT TITLE</b>	<b>FERC No.</b>	<b>CONTRACT TERMINATION</b>	<b>CONTRACT AMOUNT</b>
51.	Blythe - Cibola, & Ehrenberg	APS	To APS Load	Firm Transmission Service (Blythe Accounts)	348	Upon 3-year notice by APS, or 10 year notice by Edison	Presently 5.1 MW, 7 MW max.

Issued by: Charles F. Robinson, Vice President and General Counsel  
 Issued on: November 22, 2006

Effective: October 11, 2006

## **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, AMOUNT OF SERVICE
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 in the Palo Verde-Devers, Palo Verde-North Gila-Imperial Valley transmission lines, participants to share the available capacity based on predetermined operating procedures set out in a separate operating bulletin.
79-016	SONGS Participation Agreement	Edison, Anaheim, Riverside	321	None	SDG&E's share of SONGS switchyard with termination of its 230 kV transmission lines: - San Luis Rey (3 lines) - Talega (2 lines)
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 due to loss or interruption of generating or transmission capabilities on either party's electric system, IID and SDG&E to provide each other emergency capacity and energy without charge.

<sup>1</sup> An additional encumbrance pertaining to Local Furnishing Bonds that does not fit into the format for existing contract encumbrances is set forth 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 encumbrances is set forth at page SDG&E App. B-4 hereof.

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 due to loss or interruption of generating or transmission capabilities on either party's electric system, CFE and SDG&E to provide each other emergency capacity and energy.
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 ANPP Switchyard is insufficient to accommodate all requests, the rights of the ANPP Switchyard Participants shall take precedence in all allocations.
81-050	IID-SDG&E Transmission System Participation Agreement	IID		June 24, 2051	SDG&E and IID schedule power and energy over the California Transmission System for their respective accounts at the Yuma (North Gila) 500kV Switchyard for delivery to the 500 kV breaker yard of the Imperial Valley in the following percentages of operating capacity: 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 power and energy over the Arizona Transmission System for their respective accounts at the Palo Verde Switchyard for delivery at the Yuma (North Gila) 500 kV Switchyard in the following percentages of operating capacity: APS -- 11%; SDG&E -- 76.22%; IID -- 12.78%.
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 and deliver electricity at stated prices to the City of Escondido for resale to the United States Indian Services at the Rincon Indian Reservation.