APPENDIX 2A

Annual Aggregate Energy Resource Accounting Tables

Table B-14
Annual Aggregate Energy Resource Accounting Table
SDG&E Energy Procurement Need, Base Demand Case

revised: 15-Nov-05

ENERGY DEMAND (GWh)	**2009**	**2010**	**2011**	**2012**	**2013**	**2014**	**2015**	**2016**
Net Energy for Bundled Customer Load (base case)	18,627	18,930	19,228	19,529	19,825	20,117	20,400	20,679
Firm Sales Obligations								
TOTAL ENERGY REQUIREMENT	**18,627**	**18,930**	**19,228**	**19,529**	**19,825**	**20,117**	**20,400**	**20,679**
EXISTING & PLANNED RESOURCES (1)								
Utility-Controlled Physical Resources								
Nuclear	3,164	2,338	2,554	2,563	2,387	2,715	2,394	2,561
Fossil	4,003	3,956	3,869	3,931	3,962	3,993	4,016	4,087
Total Hydro Energy Supply	-17	-15	-15	-15	-16	-16	-15	-14
Total Utility-Controlled Physical Resources	7,150	6,279	6,408	6,479	6,333	6,692	6,395	6,634
Existing and Planned Contractual Resources								
Total Energy Supply from DWR Contracts	1,590	1,589	0	0	0	0	0	0
Total Energy Supply from QF Contracts	1,718	1,718	1,716	1,716	1,714	1,713	1,718	1,721
Total Existing & Planned Renewable Contracts	1,009	1,004	978	971	908	879	873	875
Total Energy Supply from Other Bilateral Contracts	5,167	4,638	4,185	3,008	2,207	1,457	1,375	1,664
Total Contractual Resources	9,484	8,949	6,879	5,695	4,829	4,049	3,966	4,260
TOTAL EXISTING & PLANNED ENERGY RESOURCES (1)	**16,634**	**15,228**	**13,287**	**12,174**	**11,162**	**10,741**	**10,361**	**10,894**
TOTAL PROCUREMENT NEED	**1,993**	**3,702**	**5,941**	**7,355**	**8,663**	**9,376**	**10,039**	**9,785**
ADDITIONAL PREFERRED RESOURCES								
Uncommitted Energy Efficiency (2)	141	419	687	929	1,148	1,431	1,741	2,066
Renewables	574	2,453	2,710	2,920	3,236	3,672	4,075	4,460
Distributed Generation/ CHP		to be developed in 2006 by Energy Commission and CPUC						
TOTAL ADDITIONAL PREFERRED RESOURCES (3)	**715**	**2872**	**3397**	**3849**	**4384**	**5103**	**5816**	**6526**
ADDITIONAL NON-DESIGNATED NEED (3)	**1,278**	**830**	**2,544**	**3,506**	**4,279**	**4,273**	**4,223**	**3,259**
Aging Plant Replacement (4)	1,096	2,192	3,287	4,383	4,383	4,383	4,383	4,383

(1) - Existing and planned resource totals are as of early 2005, when the LSEs prepared their resource plan submissions for the 2005 Energy Report proceeding.
(2) - Energy efficiency goals were established by the CPUC for the IOUs based on all customers in their service territory. Future savings from uncommitted energy efficiency programs are likely to come both from IOU bundled-service customers and ESP direct access customers.
(3) - The total preferred resources will increase and the open source need will decrease when DG/CHP targets are established in 2006.
(6) - The numbers for aging plant replacement reflect the amount of energy the IOUs should be including in their resource plans to account for the recommended retirement of the aging plants by 2012.

Table B-17
Annual Aggregate Capacity Resource Accounting Table
SDG&E Capacity Procurement Need, Base Demand Case

revised: 15-Nov-05

PEAK DEMAND (MW)	**2009**	**2010**	**2011**	**2012**	**2013**	**2014**	**2015**	**2016**
Peak Service Area Demand (base case) (1)	4,520	4,586	4,652	4,718	4,784	4,848	4,909	4,970
Peak Bundled Customer Demand (base case)	3,921	3,984	4,046	4,109	4,171	4,232	4,290	4,348
Reserve Margin (15% of Bundled Customer Demand)	588	598	607	616	626	635	644	652
Firm Sales Obligations	0	0	0	0	0	0	0	0
FIRM PEAK REQUIREMENT	4,509	4,582	4,653	4,725	4,797	4,867	4,934	5,000
EXISTING & PLANNED CAPACITY (2)								
Utility-Controlled Physical Resources								
Nuclear	377	311	311	311	311	311	311	311
Fossil	588	588	588	588	588	588	588	588
Total Dependable Hydro Capacity	40	40	40	40	40	40	40	40
Total Utility-Controlled Physical Resources	1,005	939	939	939	939	939	939	939
Existing and Planned Contractual Resources								
DWR Contracts	2,103	2,103	718	26	26	0	0	0
QF Contracts	221	221	221	221	221	221	221	221
Renewable Contracts (3)	120	120	116	116	107	105	104	105
Other Bilateral Contracts (3)	720	724	727	731	735	651	656	661
Total Contractual Resources	3,164	3,168	1,782	1,094	1,089	977	981	987
TOTAL EXISTING & PLANNED CAPACITY (2)	**4,169**	**4,107**	**2,721**	**2,033**	**2,028**	**1,916**	**1,920**	**1,926**
Existing Interruptible/ Emergency Programs	36	36	36	36	36	36	36	36
TOTAL PROCUREMENT NEED	**304**	**439**	**1,896**	**2,656**	**2,733**	**2,915**	**2,978**	**3,038**
ADDITIONAL PREFERRED RESOURCES								
Uncommitted Energy Efficiency (4)	55	118	175	225	278	345	417	486
Uncommitted Dispatchable Demand Response (4)	260	264	267	271	275	279	282	286
Renewables	66	428	546	567	601	647	689	728
Distributed Generation/ CHP		to be developed in 2006 by Energy Commission and CPUC						
TOTAL ADDITIONAL PREFERRED RESOURCES (5)	**381**	**810**	**988**	**1063**	**1154**	**1271**	**1388**	**1500**
ADDITIONAL NON-DESIGNATED NEED (5)	**-77**	**-371**	**908**	**1,593**	**1,579**	**1,644**	**1,590**	**1,538**
Aging Plant Replacement (6)	405	810	1,214	1,619	1,619	1,619	1,619	1,619

(1) - Peak service area demand is used for calculation of the uncommitted dispatchable demand response targets.

(2) - Esisting and planned capacity data are as of early 2005, when the LSE's prepared their resource plan submissions for the Energy Report proceeding
(3) - Distribution service area data are presented here because the IOU-specific data are confidential
(4) - Future demand side resources have been increased by 15% to account for their affect on the reserve margin. In addition, the uncommitted energy efficiency and demand response goals reflected here are based on service area load. Future savings from these programs are likely to come both from IOU bundled-service customers and ESP direct access customers.
(5) - Total preferred resource will increase and the open source need will decrease when DG/CHP targets are established in 2006.
(6) - The numbers for aging plant replacement reflect the amount of capacity the IOUs should be including in their resource plans to account for the recommended retirement of the aging plants by 2012.