Adopted 2004 Load Factor Worksheet

Assumptions:	
Shrinkage Rate - On-system transmission	1.300%
Heat Rate Conversion	1.0150
Shrinkage Rate - SMUD Line 300	1.720%
Shrinkage Rate - Off-System & SMUD Line 401	1.110%

	Receipt MMcf/day	Receipt MDth/d	Delivery	Comments/check total	
Throughput Forecast:					
Core Load		852.571	852.571		52.7475
Non-EG Noncore		502.733	502.733		52.7475
Wholesale Load		63.906	63.906		52.7475
EG (1)		798.367	798.367	switches	
Total On-system (Mdth/day)		2,217.576	2,217.576		798.23
Shrinkage (Transmission and Distribution)		49.906			
Total On-System (Mdth/day)		2,267.482	2,217.576		
Off System		219.000	298.000	219+79	
Total (Mdth/day)		2,486.482	2,515.576		
Adjustments to Throughput					
G-XF Off-system Contracts		(87.394)	(86.424)	- Uses off sys Shrinkage	
Backbone Throughput Adjustment (Ch 13)		45.900	45.900		
Total (Mdth/d)		2,444.988	2,475.052		
Existing Firm Delivery Capacity					
Redwood Line 401	1,001.552	1,016.575	1,003.606		
Redwood Line 400	1,019.305	1,034.594	1,021.145		
Baja	1,140.000	1,157.100	1,141.884		
Silverado Supply	197.044	200.000	197.400		
Gross total Firm Capacity	3,357.901	3,408.269	3,364.035		
Adjustments to Delivery Capacity:		-			
G-XF Off-system Contracts	86.103	87.394	86.424	- Uses off sys Shrinkage	
SMUD Equity Capacity - Line 401	41.564	42.187	41.719	- Uses off sys Shrinkage	
SMUD Equity Capacity - Line 300	40.700	41.311	40.600	- Uses 1.72% Shrinkage	
Subtotal Adjustments	168.367	170.892	168.743		
Net Firm Capacity (Mdth/d)	3,189.534	3,237.377	3,195.291		
Load Factor			**77.46%**		

(1) EG Forecast excludes 45 MDth/d of SMUD Equity and 101 MDth/d of Load Served by Calfornia Production

Off System Premium, net of Discount Adjustment:

Downward Adjustment:

1.	Off System throughput forecast MDth/d	133
2.	discounted price - Redwood off	$ 0.1780
3.	full price -Redwood off	$ 0.3541
4.	discount rate	50%
5.	Downward Throughput adjustment	66.5

Upward Adjustment

6	As-Available throughput (MDth/d)	562
7.	premium price for as-available service	20%
8.	Premium Throughput Adjustment	112.4

Net Adjustment to backbone forecast 45.900

Note 1: Includes additional 52.7475 MDth/day of gas volume over PG&E proposed for Core, Non_EG Noncore, Wholesale and EG classes.

Note 2: Includes 79 MDth/d of gas volume over PG&E proposed for Off System.

WORKPAPERS TO ADOPTED RATES

TRANSMISSION RATES.....PAGES 18 –25

STORAGE RATES .....PAGES 26-29

LOCAL TRANSMISSION .....PAGES 30-31

CUSTOMER ACCESS CHARGES.....PAGES 32-36

Adopted 2004 Transmission Rates
Switches page to model

SWITCHES FOR GAS ACCORD II				
Select a cost of service scenario #	1			
Year - calculate transmission rates	2004			
			Scenario	
Name	Model run Value	Override Value	1_COS_Appl_alloc	
Rate Design Scenario Description, report heading	Redwood core roll-in; alloc O&M, A&G exp;		Redwood core roll-in; alloc	
Load Factor				
Redwood	77.46%		77.46%	
Baja	77.46%		77.46%	
Silverado/Mission (California/Storage)	77.46%		77.46%	
L401 Incremental reservation (G-XF off-system)	100.00%		100.00%	
L401 Incremental usage (G-XF off-system)	95.00%		95.00%	
L401 Incremental As-available rate	81.08%		81.08%	
AFT usage rates as a % of AFT reservation	100.00%		100.00%	
As-A & Seasonal rate cap, % of AFT reserve	120.00%		120.00%	
Cost of Capital				
Cost of Debt	7.57%		7.57%	
Rate of Return on Equity	11.22%		11.22%	
Weighted ROE (Common + Preferred)	5.74%		5.74%	
Weighted cost of debt	3.50%		3.50%	
L401 firm capacity at delivery point roll-in to Redwood path (MDth/d)				
2004	870.063		870.063	
L401 firm capacity				
Incremental firm capacity at receipt point (MM	188.552		188.552	
Rate scenario				
Silverado path - allocate L400, L2, L401 and L300 costs (Mdth)	40		40	
Core Redwood phase in of L410 %				
2004	0.00%		0.0%	
PAGE 18				

	A B C D	E	F	G	H	I	J	K	L	M	N	O	P
7	**2004 BASE REVENUE REQUIREMENT ($000)**					BA Loop, N300	Monthly		same as L401				
8			Malin		Topock	Other BB	Balancing		L401 G-XF		Storage		
9	Updated storage alloc to transmission		L400 + L2	L401	L300 (cent.sou)	Transmssn	Storage	Gathering	Off-system	Total	Injection	Inventory	Withdrawal
10	Transmission Operations & Maintenance		5,472	1,428	10,715	4,738	0	5,697	1,428	0	0	0	0
11	Production O&M		0	0	0	0	0	0	0	0	0	0	0
12	Storage O&M		0	0	0	0	1,434	0	0	15,089	2,241	1,021	11,827
13	Administrative and General Expenses		4,238	1,573	8,297	3,669	364	1,859	1,573	3,829	569	259	3,001
14	Customer Accounts & Services		607	1,307	1,187	524	99	0	1,307	1,039	154	70	814
15	Escalation (wage + other)		0	0	0	0	0	0	0	0	0	0	0
16	Franchise and Uncollectible Expenses		303	1,116	567	284	61	107	1,116	638	95	43	500
17	Subtotal Expenses		10,620	5,424	20,767	9,215	1,958	7,663	5,424	20,594	3,058	1,393	16,143
18	Taxes												
20	Property		858	5,852	1,716	746	126	15	5,852	1,324	197	90	1,038
21	Payroll		317	169	622	275	42	220	169	442	66	30	346
22	Business & Other		3	2	9	2	0	2	2	4	1	0	3
23	State Corp. Franchise - Equity		589	4,116	1,264	623	141	57	4,116	1,481	220	100	1,161
24	State Corp. Franchise - Other		-299	-1,101	-829	-247	8	5	-1,101	86	13	6	68
25	Federal Income - Equity		1,961	13,701	4,208	2,075	468	190	13,701	4,928	732	333	3,863
26	Federal Income - Other		-79	1,317	-765	146	58	-150	1,317	608	90	41	475
27	Depreciation		5,005	20,793	9,546	4,208	775	232	20,793	8,157	1,211	552	6,394
28	Cost of Debt		2,255	15,756	2,252	2,386	539	219	15,756	5,667	842	383	4,442
29	Return on Equity		3,697	25,833	7,934	3,912	883	358	25,833	9,292	1,380	629	7,283
30	Return on Rate Base		5,951	41,589	10,186	6,298	1,422	577	41,589	14,959	2,222	1,012	11,725
31													
32	Revenue Credits		0	0	0	0	-42	0	0	0	-66	-30	-348
33	Total		24,925	91,862	46,725	23,341	4,957	8,811	91,862	52,582	7,743	3,527	40,868
34													
35	Cycle Gas (Balancing ONLY)						444			444			444
36											14.85%	6.77%	78.38%
37	**Variable costs**		506	354	992	439	581	0	354	6,112	908	413	4,791
38													
39	**Rate Base ($000)**		64,440	450,328	110,297	68,192		6,253	450,328	241,710			
40											29.80%	9.67%	5.65%
41	PG&E % of equity to return on rate base		62.12%	62.12%	77.8900%	62.12%	62.12%	62.12%	62.12%	62.12%	62.12%	62.12%	62.12%
42	NOTE 1: Base revenue requirement amounts may slightly differ between values in Table 2 due to rounding.												

REDWOOD ROLL-IN (NO CORE REDWOOD VINTAGE) of L401 COSTS - MFV

ALLOCATION OF 2004 TRANSMISSION BASE REVENUE REQUIREMENT TO TRANSMISSION GROUPS ($000)

	Receipt Point								
		Main			Other	Monthly Balancing		Sub-tot Other Than Main,	Transmisn. Total Excl.
	L400, L2	L400, L2 Core	L401 Roll-in	Topock	Backbone	Storage	Gathering	Topock	L401 G-XF
Base Revenue Requirement (from above)	24,925	0	83,091	46,725	23,341	5,400	8,811	37,563	192,294

Classification of Base Revenue Requirement to Reservation and Usage Components

Roll-in L401 to on-system (excl G-XF)

	Firm delivery capacity	
	Roll-in	Less SMUD
	MDth/d	MDth/d
2004	870.063	961.897

	L400, L2	Main L400, L2, L401 Core	L401 Roll-in	Topock	Gathering	Sub-total Other	Transmisn. Total Excl. L401 G-XF	L401 for G-XF rate
Reservation Costs ($000)	16,173	0	43,298	32,327	8,206	21,693	123,698	47,858
Usage Costs ($000)								
Variable Costs	506	0	320	992	0	439	2,256	354
Return on Equity	3,697	0	23,367	7,834	358	3,912	39,268	25,833
Income Taxes on Equity Return	2,550	0	16,116	5,472	247	2,698	27,083	17,817
Total Usage	6,753	0	39,803	14,398	606	7,049	68,608	44,004
Total	24,925	0	83,091	46,725	8,811	28,741	192,294	91,862

ALLOCATION OF 2004 TRANSMISSION BASE REVENUE REQUIREMENT TO TRANSMISSION PATHS

	Main L400 Core	Main L400	L401 Total	Topock	Silverado
Firm Capacity @ City Gate (Year-round; MDth/d)	0.000	1,021.145	961.897	1,101.284	197.400

	Main L400, L2 Vintage $0			Main L400, L2, L401 On-system Roll-in $ 108,017			L401 (for G-XF rate) $91,862			Topock $ 46,725			Gathering + Other $ 37,553			Total Excl L401 G-XF $ 192,294
Transmission Path	Allocators (MDth/d)	%	Amount ($000)	Allocators (MDth/d)	%	Amount ($000)	Allocators (MDth/d)	%	Amount ($000)	Allocators (MDth/d)	%	Amount ($000)	Allocators (MDth/d)	%	Amount ($000)	
Redwood Path	0.000	0.00%	0	1,891.208	97.96%	105,808	0.000	0.00%	0	0.000	0.00%	0	1,891.208	59.29%	22,264	128,072
L401 Non G-XF	0.000	0.00%	0	0.000	0.00%	0	870.063	90.45%	83,092	0.000	0.00%	0	0.000	0.00%	0	0
L401 G-XF	0.000	0.00%	0	0.000	0.00%	0	91.834	9.55%	8,770	0.000	0.00%	0	0.000	0.00%	0	0
Baja Path	0.000	0.00%	0	0.000	0.00%	0	0.000	0.00%	0	1,101.284	96.54%	45,108	1,101.284	34.52%	12,965	58,072
Silverado/Mission	0.000	0.00%	0	39.480	2.04%	2,209	0.000	0.00%	0	39.480	3.46%	1,617	197.400	6.19%	2,324	6,150
Total	0.000	0.00%	0	1,930.688	100.00%	108,017	961.897	100.00%	91,862	1,140.764	100.00%	46,725	3,189.892	100.00%	37,553	192,294

ALLOCATION OF RESERVATION AND USAGE COSTS TO TRANSMISSION PATHS

	Main L400, L2 Vintage			Main L400, L2, L401 On-system Roll-in			L401 (for G-XF rate)			Topock			Gathering + Other			Total Alloc. Amt. Excl. L401 G-XF
Reservation	Amount		Alloc Amt.	Amount		Alloc Amt.	Amount		Alloc Amt.	Amount		Alloc Amt.	Amount		Alloc Amt.	
Transmission Path	($000)	%	($000)	($000)	%	($000)	($000)	%	($000)	($000)	%	($000)	($000)	%	($000)	($000)
Redwood Path	0	0.00%	0	61,461	97.96%	60,204	47,858	0.00%	0	32,327	0.00%	0	29,898	59.29%	17,726	77,930
L401 Non G-XF	0	0.00%	0	61,461	0.00%	0	47,858	90.45%	43,289	32,327	0.00%	0	29,898	0.00%	0	0
L401 G-XF	0	0.00%	0	61,461	0.00%	0	47,858	9.55%	4,569	32,327	0.00%	0	29,898	0.00%	0	0
Baja Path	0	0.00%	0	61,461	0.00%	0	47,858	0.00%	0	32,327	96.54%	31,208	29,898	34.52%	10,322	41,530
Silverado/Mission	0	0.00%	0	61,461	2.04%	1,257	47,858	0.00%	0	32,327	3.46%	1,119	29,898	6.19%	1,850	4,226
Total		0.00%	0		100.00%	61,461		100.00%	47,858		100.00%	32,327		100.00%	29,898	123,686
Usage																
Transmission Path																
Redwood Path	0	0.00%	0	46,556	97.96%	45,604	44,004	0.00%	0	14,398	0.00%	0	7,654	59.29%	4,538	50,142
L401 Non G-XF	0	0.00%	0	46,556	0.00%	0	44,004	90.45%	39,803	14,398	0.00%	0	7,654	0.00%	0	0
L401 G-XF	0	0.00%	0	46,556	0.00%	0	44,004	9.55%	4,201	14,398	0.00%	0	7,654	0.00%	0	0
Baja Path	0	0.00%	0	46,556	0.00%	0	44,004	0.00%	0	14,398	96.54%	13,900	7,654	34.52%	2,643	16,542
Silverado/Mission	0	0.00%	0	46,556	2.04%	952	44,004	0.00%	0	14,398	3.46%	498	7,654	6.19%	474	1,924
Total		0.00%	0		100.00%	46,556		100.00%	44,004		100.00%	14,398		100.00%	7,654	68,608
			0			108,017			91,862			46,725			37,553	192,294

CORE REDWOOD PATH VINTAGE - MFV

Classification of Base Revenue Requirement to Reservation and Usage Components

	Receipt Point						Transmisn.	
	Malin					Sub-total	Total Excl.	L401
	L400, L2	L400, L2 Core	L401 Roll-in	Topock	Gathering	Other	L401 G-XF	for G-XF rate
Reservation Costs ($000)	7,778	10,394	43,288	32,327	8,206	21,693	123,686	47,858
Usage Costs ($000)								
Variable Costs	201	305	320	992	0	439	2,256	354
Return on Equity	1,468	2,228	23,367	7,934	358	3,912	39,268	26,833
Income Taxes on Equity Return	1,013	1,537	16,116	5,472	247	2,698	27,083	17,817
Total Usage	2,682	4,070	39,803	14,398	606	7,049	68,608	44,004
Total	10,461	14,465	83,091	46,725	8,811	28,741	192,294	91,862

ALLOCATION OF 2004 TRANSMISSION BASE REVENUE REQUIREMENT TO TRANSMISSION PATHS

	Malin				
	L400 Core + WSL	L400	L401 Total	Topock	Silverado
Firm Capacity @ City Gate (Year-round; MDth/d)	615.500	1,021.145	961.897	1,101.284	197.400

	Malin L400, L2 Vintage $14,465			Malin L400, L2, L401 On-system $93,552			L401 (for G-XF rate) $91,862			Topock $ 46,725			Gathering + Other $ 37,553			Total Excl L401 G-XF $ 192,294
Transmission Path	Allocators (MDth/d)	%	Amount ($000)	Allocators (MDth/d)	%	Amount ($000)	Allocators (MDth/d)	%	Amount ($000)	Allocators (MDth/d)	%	Amount ($000)	Allocators (MDth/d)	%	Amount ($000)	
Redwood - Core Vintage	615.500	100.00%	14,465				0.000	0.00%	0	0.000	0.00%	0	615.500	19.30%	7,246	21,711
Redwood Path	0.000	0.00%	0			91,343	0.000	0.00%	0	0.000	0.00%	0	1,275.708	39.99%	15,018	106,362
L401 Non G-XF	0.000	0.00%	0			0	870.063	90.45%	83,092	0.000	0.00%	0	0.000	0.00%	0	0
L401 G-XF	0.000	0.00%	0			0	91.834	9.55%	8,770	0.000	0.00%	0	0.000	0.00%	0	0
Baja Path	0.000	0.00%	0			0	0.000	0.00%	0	1,101.284	96.54%	45,108	1,101.284	34.52%	12,965	58,072
Silverado/Mission	0.000	0.00%	0	from roll-in calc, cell J84 —>		2,209	0.000	0.00%	0	39.480	3.46%	1,617	197.400	6.19%	2,324	6,150
Total	615.500	100.00%	14,465			93,552	961.897	100.00%	91,862	1,140.764	100.00%	46,725	3,189.892	100.00%	37,553	192,294

ALLOCATION OF RESERVATION AND USAGE COSTS TO TRANSMISSION PATHS

	Malin L400, L2 Vintage			Malin L400, L2, L401 On-system			L401 (for G-XF rate)			Topock			Gathering + Other			Total Alloc. Amt. Excl. L401 G-XF
Reservation	Amount		Alloc Amt.	Amount		Alloc Amt.	Amount		Alloc Amt.	Amount		Alloc Amt.	Amount		Alloc Amt.	
Transmission Path	($000)	%	($000)	($000)	%	($000)	($000)	%	($000)	($000)	%	($000)	($000)	%	($000)	($000)
Redwood - Core Vintage	10,394	100.00%	10,394				47,858	0.00%	0	32,327	0.00%	0	29,898	19.30%	5,769	16,163
Redwood Path	10,394	0.00%	0			49,810	47,858	0.00%	0	32,327	0.00%	0	29,898	39.99%	11,957	61,767
L401 Non G-XF	10,394	0.00%	0			0	47,858	90.45%	43,289	32,327	0.00%	0	29,898	0.00%	0	0
L401 G-XF	10,394	0.00%	0			0	47,858	9.55%	4,569	32,327	0.00%	0	29,898	0.00%	0	0
Baja Path	10,394	0.00%	0			0	47,858	0.00%	0	32,327	96.54%	31,208	29,898	34.52%	10,322	41,530
Silverado/Mission	10,394	0.00%	0	from roll-in calc, cell J98 —>		1,257	47,858	0.00%	0	32,327	3.46%	1,119	29,898	6.19%	1,850	4,226
Total		100.00%	10,394			51,067		100.00%	47,858		100.00%	32,327		100.00%	29,898	123,686
Usage																
Transmission Path																
Redwood - Core Vintage	4,070	100.00%	4,070				44,004	0.00%	0	14,398	0.00%	0	7,654	19.30%	1,477	5,547
Redwood Path	4,070	0.00%	0			41,534	44,004	0.00%	0	14,398	0.00%	0	7,654	39.99%	3,061	44,595
L401 Non G-XF	4,070	0.00%	0			0	44,004	90.45%	39,803	14,398	0.00%	0	7,654	0.00%	0	0
L401 G-XF	4,070	0.00%	0			0	44,004	9.55%	4,201	14,398	0.00%	0	7,654	0.00%	0	0
Baja Path	4,070	0.00%	0			0	44,004	0.00%	0	14,398	96.54%	13,900	7,654	34.52%	2,643	16,542
Silverado/Mission	4,070	0.00%	0	from roll-in calc, cell J108 —>		952	44,004	0.00%	0	14,398	3.46%	498	7,654	6.19%	474	1,924
Total		100.00%	4,070			42,486		100.00%	44,004		100.00%	14,398		100.00%	7,654	68,608
			14,465			93,552			91,862			46,725			37,553	192,294

0% ROLL-IN OF 2004 COST ALLOCATED TO REDWOOD PATH - MFV

	Core	Noncore	Total
Reservation ($000)			
Core Vintage	$16,163	$61,767	$77,930
Core Roll-in	25,363	52,568	77,930
0% Roll-in of noncore Redwood to core	16,163	61,767	77,930
Usage ($000)			
Core Vintage	$5,547	$44,595	$50,142
Core Roll-in	16,319	33,823	50,142
0% Roll-in of noncore Redwood to core	5,547	44,595	50,142

LOAD FACTORS

	Main		L401 G-XF	Topock		Silverado/Mission		Off-Sys BB Transm % of Firm	
	Annual	Seasonal		Annual	Seasonal	Annual	Seasonal	Annual	Seasonal
Firm Reservation rates	0.7746	0.6455	1.0000	0.7746	0.6455	0.7746	0.6455		1.2000
Firm Usage rates	0.7746	0.6455	0.9500	0.7746	0.6455	0.7746	0.6455		1.2000
As-Available usage rate	0.6455	0.6455	0.8108	0.6455	0.6455	0.6455	0.6455		1.2000

2004 BACKBONE TRANSMISSION MFV RATES

FIRM

	ANNUAL			SEASONAL		
	Allocated Amount ($000)	Billing Determinant MDth * 12	Rate ($/Dth/mo)	Allocated Amount ($000)	Billing Determinant MDth * 12	Rate ($/Dth/mo)
RESERVATION						
Baja Path	41,530	10,237	4.0570	41,530	9,531	4.8684
Silverado/Mission	4,226	1,836	2.3031	4,226	1,529	2.7636
	($000)	MDth	($/Dth)	($000)	MDth	($/Dth)
USAGE						
Baja path	16,542	311,365	0.0531	16,542	259,471	0.0638
Silverado/Mission	1,924	55,811	0.0345	1,924	46,509	0.0414
TOTAL @ Full Contract						
Baja path			0.1866			0.2239
Silverado/Mission			0.1102			0.1323
AS-AVAILABLE						
Baja path	58,072	259,471	0.2238			
Silverado	6,150	46,509	0.1322			

0 (check)% ROLL-IN OF NONCORE REDWOOD TO CORE

	ANNUAL			SEASONAL		
	Allocated Amount ($000)	Billing Determinant MDth * 12	Rate ($/Dth/mo)	Allocated Amount ($000)	Billing Determinant MDth * 12	Rate ($/Dth/mo)
RESERVATION						
Redwood - Core	16,163	5,721	2.8252	16,163	4,768	
Redwood Path	61,767	11,858	5.2089	61,767	9,882	6.2507
	($000)	MDth	($/Dth)	($000)	MDth	($/Dth)
USAGE						
Redwood - Core	5,547	174,020	0.0319	5,547	145,016	
Redwood Path	44,595	360,680	0.1236	44,595	300,566	0.1484
TOTAL @ Full Contract						
Redwood - Core			0.1249			
Redwood Path			0.2949			0.3539
AS-AVAILABLE						
Redwood Path	106,362	300,566	0.3539			

Backbone Transmission SFV Rate

Classification of Base Revenue Requirement to Reservation and Usage Components

	L400, L2	Receipt Point Main L400, L2 Core	L401 Roll-In	Topock	Gathering	Sub-total Other	Transmsn. Total Excl. L401 G-XF	L401 G-XF	Total BB Transmission
Reservation Costs ($000)	24,419	0	82,772	45,733	8,811	28,303	190,038	91,509	198,775
Usage Costs ($000)									
Variable Costs	506	0	320	992	0	439	2,256	354	2,290
Return on Equity	0	0	0	0	0	0	0	0	0
Income Taxes on Equity Return	0	0	0	0	0	0	0	0	0
Total Usage	506	0	320	992	0	439	2,256	354	2,290
Total	24,925	0	83,091	46,725	8,811	28,741	192,294	91,862	201,065

REDWOOD ROLL-IN (NO CORE REDWOOD VINTAGE) of L401 COSTS - SFV

ALLOCATION OF 2004 TRANSMISSION BASE REVENUE REQUIREMENT TO TRANSMISSION PATHS

	Main L400 Core	Main L400	L401 Total	Topock	Silverado
Firm Capacity@ City Gate (Year-round; MDth/d)	0.000	1,021.145	961.897	1,101.284	197.400

Transmission Path	Main L400, L2 Vintage $0 Allocators (MDth/d)	%	Amount ($000)	Main L400, L2, L401 On-system Roll-In $108,017 Allocators (MDth/d)	%	Amount ($000)	L401 (for G-XF rate) $91,862 Allocators (MDth/d)	%	Amount ($000)	Topock $ 46,725 Allocators (MDth/d)	%	Amount ($000)	Gathering + Other $ 37,553 Allocators (MDth/d)	%	Amount ($000)	Total Excl L401 G-XF $ 192,294
Redwood Path	0.000	0.00%	0	1,891.208	97.96%	105,808	0.000	0.00%	0	0.000	0.00%	0	1,891.208	59.29%	22,264	128,072
L401 Non G-XF	0.000	0.00%	0	0.000	0.00%	0	870.063	90.46%	83,092	0.000	0.00%	0	0.000	0.00%	0	0
L401 G-XF	0.000	0.00%	0	0.000	0.00%	0	91.834	9.55%	8,770	0.000	0.00%	0	0.000	0.00%	0	0
Baja Path	0.000	0.00%	0	0.000	0.00%	0	0.000	0.00%	0	1,101.284	96.54%	45,108	1,101.284	34.52%	12,965	58,072
Silverado/Mission	0.000	0.00%	0	39.480	2.04%	2,209	0.000	0.00%	0	39.480	3.46%	1,617	197.400	6.19%	2,324	6,150
Total	0.000	0.00%	0	1,930.688	100.00%	108,017	961.897	100.00%	91,862	1,140.764	100.00%	46,725	3,189.892	100.00%	37,553	192,294

ALLOCATION OF RESERVATION AND USAGE COSTS TO TRANSMISSION PATHS

Reservation Transmission Path	Main L400, L2, L401 On-system Amount ($000)	%	Alloc Amt. ($000)	Main L400, L2, L401 On-system Roll-In Amount ($000)	%	Alloc Amt. ($000)	L401 (for G-XF rate) Amount ($000)	%	Alloc Amt. ($000)	Topock Amount ($000)	%	Alloc Amt. ($000)	Gathering + Other Amount ($000)	%	Alloc Amt. ($000)	Total Alloc. Amt. Excl. L401 G-XF ($000)
Redwood Path	0	0.00%	0	107,191	97.96%	104,999	91,509	0.00%	0	45,733	0.00%	0	37,114	59.29%	22,004	127,003
L401 Non G-XF	0	0.00%	0	107,191	0.00%	0	91,509	90.46%	82,772	45,733	0.00%	0	37,114	0.00%	0	0
L401 G-XF	0	0.00%	0	107,191	0.00%	0	91,509	9.55%	8,736	45,733	0.00%	0	37,114	0.00%	0	0
Baja Path	0	0.00%	0	107,191	0.00%	0	91,509	0.00%	0	45,733	96.54%	44,150	37,114	34.52%	12,813	56,964
Silverado/Mission	0	0.00%	0	107,191	2.04%	2,192	91,509	0.00%	0	45,733	3.46%	1,583	37,114	6.19%	2,297	6,071
Total		0.00%	0		100.00%	107,191		100.00%	91,509		100.00%	45,733		100.00%	37,114	190,038
Usage																
Transmission Path																
Redwood Path	0	0.00%	0	826	97.96%	809	354	0.00%	0	992	0.00%	0	439	59.29%	260	1,069
L401 Non G-XF	0	0.00%	0	826	0.00%	0	354	90.46%	320	992	0.00%	0	439	0.00%	0	0
L401 G-XF	0	0.00%	0	826	0.00%	0	354	9.55%	34	992	0.00%	0	439	0.00%	0	0
Baja Path	0	0.00%	0	826	0.00%	0	354	0.00%	0	992	96.54%	957	439	34.52%	151	1,109
Silverado/Mission	0	0.00%	0	826	2.04%	17	354	0.00%	0	992	3.46%	34	439	6.19%	27	78
Total		0.00%	0		100.00%	826		100.00%	354		100.00%	992		100.00%	439	2,256
			0			108,017			91,862			46,725			37,553	192,294

CORE REDWOOD PATH VINTAGE - SFV

Classification of Base Revenue Requirement to Reservation and Usage Components

	L400, L2	Main L400, L2 Core	L401 Roll-In	Topock	Gathering	Sub-total Other	Transmiss. Total Excl. L401 G-XF	L401 G-XF
Reservation Costs ($000)	10,260	14,159	82,772	45,733	8,811	28,303	190,038	91,509
Usage Costs ($000)								
Variable Costs	201	305	320	992	0	439	2,256	354
Return on Equity	0	0	0	0	0	0	0	0
Income Taxes on Equity Return	0	0	0	0	0	0	0	0
Total Usage	201	305	320	992	0	439	2,256	354
Total	10,461	14,465	83,091	46,725	8,811	28,741	192,294	91,862

ALLOCATION OF 2004 TRANSMISSION BASE REVENUE REQUIREMENT TO TRANSMISSION PATHS

	Main L400 Core	Main L400	L401 Total	Topock	Silverado
Firm Capacity @ City Gate (Year-round; MDth/d)	615.500	1,021.145	961.897	1,101.284	197.400

	Main L400, L2 Vintage $14,465			Main L400, L2, L401 On-system $93,562			L401 (for G-XF rate) $91,862			Topock $ 46,725			Gathering + Other $ 37,553			Total Excl L401 G-XF $ 192,294
Transmission Path	Allocators (MDth/d)	%	Amount ($000)	Allocators (MDth/d)	%	Amount ($000)	Allocators (MDth/d)	%	Amount ($000)	Allocators (MDth/d)	%	Amount ($000)	Allocators (MDth/d)	%	Amount ($000)	
Redwood - Core	615.500	100.00%	14,465				0.000	0.00%	0	0.000	0.00%	0	615.500	19.30%	7,248	21,711
Redwood Path	0.000	0.00%	0			91,343	0.000	0.00%	0	0.000	0.00%	0	1,275.708	39.99%	15,018	106,362
L401 Non G-XF	0.000	0.00%	0			0	870.063	90.45%	83,092	0.000	0.00%	0	0.000	0.00%	0	0
L401 G-XF	0.000	0.00%	0			0	91.834	9.55%	8,770	0.000	0.00%	0	0.000	0.00%	0	0
Baja Path	0.000	0.00%	0			0	0.000	0.00%	0	1,101.284	96.54%	45,108	1,101.284	34.52%	12,965	58,072
Silverado/Mission	0.000	0.00%	0	from roll-in calc, cell J37 --->		2,209	0.000	0.00%	0	39.480	3.46%	1,617	197.400	6.19%	2,324	6,150
Total	615.500	100.00%	14,465			93,552	961.897	100.00%	91,862	1,140.764	100.00%	46,725	3,189.892	100.00%	37,553	192,294

ALLOCATION OF RESERVATION AND USAGE COSTS TO TRANSMISSION PATHS

	Main L400, L2 Vintage			Main L400, L2, L401 On-system			L401 (for G-XF rate)			Topock			Gathering + Other			Total Alloc. Amt. Excl. L401 G-XF
Reservation	Amount			Amount			Amount			Amount			Amount			
Transmission Path	($000)	%	Alloc Amt. ($000)	($000)	%	Alloc Amt. ($000)	($000)	%	Alloc Amt. ($000)	($000)	%	Alloc Amt. ($000)	($000)	%	Alloc Amt. ($000)	($000)
Redwood - Core	14,159	100.00%	14,159				91,509	0.00%	0	45,733	0.00%	0	37,114	19.30%	7,161	21,321
Redwood Path	14,159	0.00%	0			90,639	91,509	0.00%	0	45,733	0.00%	0	37,114	39.99%	14,843	105,662
L401 Non G-XF	14,159	0.00%	0			0	91,509	90.45%	82,772	45,733	0.00%	0	37,114	0.00%	0	0
L401 G-XF	14,159	0.00%	0			0	91,509	9.55%	8,736	45,733	0.00%	0	37,114	0.00%	0	0
Baja Path	14,159	0.00%	0			0	91,509	0.00%	0	45,733	96.54%	44,150	37,114	34.52%	12,813	56,964
Silverado/Mission	14,159	0.00%	0	from roll-in calc, cell J51 --->		2,192	91,509	0.00%	0	45,733	3.46%	1,583	37,114	6.19%	2,297	6,071
Total		100.00%	14,159			93,031		100.00%	91,509		100.00%	45,733		100.00%	37,114	190,038
Usage																
Transmission Path																
Redwood - Core	305	100.00%	305				354	0.00%	0	992	0.00%	0	439	19.30%	85	390
Redwood Path	305	0.00%	0			504	354	0.00%	0	992	0.00%	0	439	39.99%	175	679
L401 Non G-XF	305	0.00%	0			0	354	90.45%	320	992	0.00%	0	439	0.00%	0	0
L401 G-XF	305	0.00%	0			0	354	9.55%	34	992	0.00%	0	439	0.00%	0	0
Baja Path	305	0.00%	0			0	354	0.00%	0	992	96.54%	957	439	34.52%	151	1,109
Silverado/Mission	305	0.00%	0	from roll-in calc, cell J61 --->		17	354	0.00%	0	992	3.46%	34	439	6.19%	27	78
Total		100.00%	305			521		100.00%	354		100.00%	992		100.00%	439	2,256
			14,465			93,552			91,862			46,725			37,553	192,294

0% ROLL-IN OF 2004 COST ALLOCATED TO REDWOOD PATH - SFV

	Core	Noncore	Total
Reservation ($000)			
Core Vintage	$21,321	$105,682	$127,003
Core Roll-in	41,333	85,669	127,003
0% Roll-in of noncore Redwood to core	21,321	105,682	127,003
Usage ($000)			
Core Vintage	$390	$679	$1,069
Core Roll-in	348	721	1,069
0% Roll-in of noncore Redwood to core	390	679	1,069

LOAD FACTORS

	Malin		L401 G-XF	Topock		Silverado/Mission		Off-Sys BB Transm % of Firm	
	Annual	Seasonal		Annual	Seasonal	Annual	Seasonal	Annual	Seasonal
Firm Reservation rates	0.7746	0.6455	1.0000	0.7746	0.6455	0.7746	0.6455	0.0000	1.2000
Firm Usage rates	0.7746	0.6455	0.9500	0.7746	0.6455	0.7746	0.6455	0.0000	1.2000
As-Available usage rate	0.6455	0.6455	0.8108	0.6455	0.6455	0.6455	0.6455	0.0000	1.2000

2004 BACKBONE TRANSMISSION SFV RATES

FIRM

	ANNUAL			SEASONAL		
	Allocated Amount ($000)	Billing Determinant MDth * 12	Rate ($/Dth/mo)	Allocated Amount ($000)	Billing Determinant MDth * 12	Rate ($/Dth/mo)
RESERVATION						
L401 G-XF	8,736	1,102	7.9278			
Baja Path	56,964	10,237	5.5647	56,964	8,531	6.6776
Silverado/Mission	6,071	1,835	3.3089	6,071	1,529	3.9707
	($000)	MDth	($/Dth)	($000)	MDth	($/Dth)
USAGE						
L401 G-XF	34	31,843	0.0011			
Baja path	1,109	311,365	0.0036	1,109	259,471	0.0043
Silverado/Mission	78	55,811	0.0014	78	46,509	0.0017
TOTAL @ Full Contract						
L401 G-XF			0.2617			
Baja path			0.1865			0.2238
Silverado/Mission			0.1102			0.1322

0% ROLL-IN OF NONCORE REDWOOD TO CORE

	ANNUAL			SEASONAL		
	Allocated Amount ($000)	Billing Determinant MDth * 12	Rate ($/Dth/mo)	Allocated Amount ($000)	Billing Determinant MDth * 12	Rate ($/Dth/mo)
RESERVATION						
Redwood - Core	21,321	5,721	3.7266	21,321	4,768	
Redwood Path	105,682	11,858	8.9124	105,682	9,882	10.6948
	($000)	MDth	($/Dth)	($000)	MDth	($/Dth)
USAGE						
Redwood - Core	390	174,020	0.0022	390	145,016	
Redwood Path	679	360,680	0.0019	679	300,566	0.0023
TOTAL @ Full Contract						
Redwood - Core			0.1247			
Redwood Path			0.2949			0.3539

	Injection	Inventory	Withdrawal	Total
STORAGE				
Revenue Requirement				
Base Revenue Storage, net of bal NCG	$7,744	$3,528	$40,871	$52,142
Cycle gas for Balancing			444	444
TOTAL	$7,744	$3,528	$41,315	$52,586
Fixed Base RRQ	$6,836	$3,114	$36,080	$46,030
Fixed Cycle gas for Balancing			444	444
Variable Base RRQ	908	413	4,791	6,112
Base Revenue	$7,744	$3,528	$41,315	$52,586
Quantities	**MDth/d**	**MMdth**	**MDth/d**	
Monthly Balancing Service	76.000	4.100	76.000	
Core Firm Service (G-CFS)	156.600	33.500	1,111.200	
Standard Firm Storage (G-SFS)	22.400	4.800	158.700	
TOTAL	255.000	42.400	1,345.900	
# Of Cycling Days				
Monthly Balancing Service	365.0		365.0	
Core & Standard Firm Service	365.0		365.0	
Annual Cycling Capacity (MDth)				
Monthly Balancing Service	27,740.000	4,100.000	27,740.000	59,580.000
Core Firm Service (G-CFS)	57,159.000	33,500.000	405,588.000	496,247.000
Standard Firm Service (G-SFS)	8,176.000	4,800.000	57,925.500	70,901.500
TOTAL	93,075.000	42,400.000	491,253.500	626,728.500
REVENUE REQUIREMENT ALLOCATED				
Monthly Balancing Service				
(Cost allocation %)	29.80%	9.67%	5.65%	
Fixed	$2,037	$301	$2,037	$4,376
Variable	271	40	271	581
Cycle gas for Balancing	0	0	444	444
TOTAL	$2,308	$341	$2,752	$5,401
Core Firm Service (G-CFS)				
(Cost allocation %)	61.41%	79.01%	82.56%	
Fixed	$4,198	$2,460	$29,789	$36,447
Variable	557	327	3,955	4,839
TOTAL	$4,755	$2,787	$33,744	$41,287
Standard Firm Services (G-SFS)				
(Cost allocation %)	8.78%	11.32%	11.79%	
Fixed	$600	$353	$4,254	$5,207
Variable	80	47	565	691
TOTAL	$680	$399	$4,819	$5,899
Total Storage	$ 7,744	$ 3,528	$ 41,315	$ 52,586

NOTE 1: Values used in Quantities section from PG&E Exhibit 1, Table 6-1, p.6-5.

Adopted 2004 arket Storage Services Rate Design

	Present Rates 2002/2003				Proposed Rates 2004			
	Injection	Inventory	Withdrawal	Total	Injection	Inventory	Withdrawal	Total
Fixed ($000)	$ 858	$ 2,550	$ 1,734	$ 5,142	$ 600	$ 353	$ 4,254	$ 5,207
Variable	68	199	151	$ 418	80	47	565	691
Carrying Costs (Fixed)		631		$ 631			305	305
TOTAL ($000)	$ 926	$ 3,380	$ 1,885	$ 6,191	$ 680	$ 399	$ 5,124	$ 6,204

	Injection MDth	Inventory MDth	Withdrawal MDth	Injection MDth/d	Inventory MDth	Withdrawal MDth/d
Design Capacity	22.376	4,782.525	158.738	22.400	4,800.000	158.700

(G-SFS) Standard Firm Storage ($/Dth):	Capacity	Withdrawal	Capacity
Reservation Charge			
Fixed Revenues ($000)	$ 4,039	$ 1,734	$ 6,204
Quantities (Mdth)	4,782.5	158.7	4,800.0
Annual Reservation Charge Per Dth	$ 0.8445	$ 10.9237	$ 1.2925
Monthly Reservation Charge Per Dth (12 mo.'s)	$ 0.0704	$ 0.9103	$ 0.1077

(G- NFS) Negotiated Firm Storage - Maximum Rates ($/Dth):						
Number of Days Injection and Withdrawal Used in Negotiated Firm & As-Available rate design	30		7	30		7
Annual Quantities	671.288	4,782.525	1,111.163	672.0	4,800.0	1,110.9
Market Storage Service Revenues	$ 6,191	$ 6,191	$ 6,191	$ 6,204	$ 6,204	$ 6,204
Billing Determinants	671.3	4,782.5	1,111.2	672.0	4,800.0	1,110.9
Maximum Rate Per Dth	$9.2226	$1.2945	$5.5716	$9.2319	$1.2925	$5.5845

(G-NAS) Negotiated As-Available Storage - Maximum Rates ($/Dth/Day):						
Volumetric Rate Per Dth	$ 9.2226	$ -	$ 5.5716	$ 9.2319	$ -	$ 5.5845

(G-PARK) (G-LEND) Parking and Lending Service (Effective January 1, 2004)

Maximum Daily Charge ($/Dth) (based on a 214 day injection and 151 day withdrawal period)

Maximum Daily Charge ($/Dth/day)	$ 1.0038	$ 0.5203
Minimum Rate (per transaction)	$ 57.00	$ 57.00

NOTE 1: Adopted rates include carrying cost of non cycled gas in storage.

Adopted Core Firm Storage Rate Design

	Present Rates 2002/2003				Proposed Rates 2004			
	Injection	Inventory	Withdrawal	Total	Injection	Inventory	Withdrawal	Total
Fixed ($000)	$ 6,003	$ 17,849	$ 12,134	$ 35,986	$ 4,198	$ 2,460	$ 29,789	$ 36,447
Variable	476	1,393	1,056	$ 2,925	557	327	3,955	4,839
Carrying Costs			6,077				1,297	1,297
TOTAL ($000)	$ 6,479	$ 19,242	$ 19,267	$ 44,988	$ 4,755	$ 2,787	$ 33,744	$ 42,584
Fixed ($000)	$ 6,003	$ 17,849	$ 18,211	$ 42,063	$ 4,198	$ 2,460	$ 31,086	$ 37,744
Variable	476	1,393	1,056	2,925	557	327	3,955	4,839
TOTAL ($000)	$ 6,479	$ 19,242	$ 19,267	$ 44,988	$ 4,755	$ 2,787	$ 35,041	$ 42,584

	Inventory MDth		Inventory MDth	Total
Design Capacity	33,477.726		33,500.000	

(G-CFS) Core Firm Storage ($/Dth):

Core Firm Storage Revenues ($000)	$ 43,326	$ 42,584
Inventory Quantities (Mdth)	33,477.73	33,500.0
Reservation Charge / Dth	$ 1.2942	$ 1.2712
Reservation Charge / Dth / Mo	$ 0.1078	$ 0.1059

NOTE 1: Adopted rates include carrying cost of non cycled gas in storage.

	U	V	W	X	Y	Z
58	Calculation of Adopted carrying cost of noncycled working gas					
59						
60	Value of noncycle working gas	Short term interest rate	Adopted carrying cost	Core allocation	Market storage allocation	Balancing allocation
61	(a)	(b)	(c) = (a)*(b)	(d)=68%*(c)	(e)=16%*(c)	(f)= 16%*(c)
62						
63	$80,500,000	2.37%	$1,907,850	$1,297,338	$305,256	$305,256
64						
65						
66	Note 1: Short term interest rate PG&E Exhibit 68.					
67	Note 2: Allocations Reporter's Transcript Vol. 7, p. 897.					
68						

	B	C	D	F	G	H	J
38	Local Transmission workpaper						
39		Adopted Load Factor (L.F.) Volumes	PG&E Proposed Load Factor Volumes	% difference Adodopted vs. PG&E proposed	PG&E Proposed Whsl,EG,NC L.F. volumes	Adopted Whsl,EG,NC L.F. volumes	% difference
40	core	852.571	799.823	6.595%			
41	non-EG	502.733	449.986	11.722%	1206.627	1365.006	13.126%
42	whsle	63.906	11.158	472.737%			
43	EG	798.367	745.483	7.094%			
44	total	2217.577	2006.45	10.522%			
45							
46							
47	Local Transmission Revenue Requirement						
48							
49		Source					
50	$189,343	Appendix A, Table 2, Local Column					
51	($12,992)	Customer Access Revenue Requirement, Appendix A, p. 32.					
52	$176,351	Local Transmission Revenue Requirement					

	L	M	N	O	P	Q	R	S	T	U
47	Adopted Local Transmission (L-T) Allocation and Rates.									
48										
49		PG&E Proposed CYJ Allocator	Load Factor Adjustment	Adopted CYJ allocator	Allocation between core and noncore	Adopted L-T Rev. Req. allocation	Annual Adopted Load Factor T/P	Core Local Transmission Rate	Wholsale and Noncore Local Transmission rate.	
50		(a)	(b)	(c) = (a)*(b)	(d)	(e)=(d)*L-T Rev Req.	(f)	(g)=(e)/(f)	(h)=(e)/(f)	
51	Core-Retail	48775	6.595%	51992	55.10%	$97,164	311188	$0.312		
52	Core- Whsl	6319	13.126%	7148	44.90%	$79,187	498227		0.159	
53						$176,351	809416			
54	NC -Retail	31131	13.126%	35217						
55	NC- Whsl	6	13.126%	7						
56	Totals:	86231		94364						
57										
58	Adopted Local Transmission Rev. Req.	$176,351								
59										
60	Note 1: Core wholesale included in noncore.									
61	Note 2: Adopted CYJ allocator based upon PG&E's CYJ allocators in Gas Accord II model, Integrated Model, LT Workpaper Tab, column C, rows 48 through 55									
62	and adjusted by increase in load factor volumes.									

Adjustments to PG&E 2004 Customer Access Charge Revenue Requirement for Noncore Transmission-Level Customers. (PG&E Exhibit 67, p. 33-35)

Based upon 9.24% authorized rate of return, 35% Federal Income Tax and 8.84% California State Tax
Source: D. 02-11-027; PG&E March 18, 2003 updated workpapers Chapter 12, Volume 1, p. 69.

Part A: Revenue requirement adjustments

1) Power Plant Connections **(PG&E Exhibit 3, Chapter 10, p. 10-6)**

Amount removed from Rate Base	$1,900,000
Net for Return	$175,560
Federal Income Tax	$61,446
State Income Tax	$15,520
Total Reduction in Revenue Requirement	$252,526

2) Power Plant Metering **(PG&E Exhibit 3, Chapter 10, p. 10-6)**

Amount removed from Rate Base	$1,800,000
Net for Return	$166,320
Federal Income Tax	$58,212
State Income Tax	$14,703
Total Reduction in Revenue Requirement	$239,235

Part B: 2004 Adopted Customer Access Charge Revenue Requirement

2004 PG&E Customer Access Charge Revenue Requirement	$13,484,000
Less Power Plant Connections adjustment	($252,526)
Less Power Plant Metering adjustment	($239,235)
2004 Proposed Customer Access Charge Revenue Req.	$12,992,240

Part C: Adjustments to Customer Access Charge Rev. Req. subcomponents

	PG&E proposed	2004 Adopted
SRM Capital	$4,295	$3,803
SRM O&M	$365	$365
Customer Accounts O&M	$1,200	$1,200
Customer Services	$3,246	$3,246
Uncollectables	$34	$34
A&G	$4,177	$4,177
Franchise	$130	$130
Storage & Transmission	$37	$37
Total	$13,484	$12,992

Note 1: Rounded to nearest $1,000 for inclusion in Adopted 2004 Revenue Requirement.
Note 2: Adjustments made to SRM capital.

2004 Customer Access Charge (CAC) Revenue Req. for Noncore Transmission-Level Customers (000s)	$	**12,992,240**
Less CAC Revenue Requirement Allocated to Wholesale Customers		$300,642
Remainder Allocated to Industrial Transmission and EG Customer Access Charge Tiering	$	12,691,598
CAC Revenue for Industrial Transmission Customers	$	6,264,998
CAC Revenue for EG-T Customers (formerly on EG and Cogeneration rate schedules)	$	6,426,600

APPLY THE NEW REVENUE REQUIREMENT (RRQ) TO THE EXISTING INDUSTRIAL TRANSMISSION SIX TIERS

IND-T	2004 Bills By Tier	2003 CAC	Revenues At Pres. Rates	Scaled to 2004 RRQ	Scaled Monthly Charges	Daily Equivalents
Tier 1	173	$11.87	$ 2	$ 3,375	$ 19.48	$ 0.05338
Tier 2	120	$93.52	$ 11	$ 18,489	$ 153.50	$ 0.42054
Tier 3	861	$354.79	$ 305	$ 501,424	$ 582.33	$ 1.59542
Tier 4	1,187	$935.23	$ 1,110	$ 1,821,844	$ 1,535.02	$ 4.20554
Tier 5	936	$1,339.02	$ 1,253	$ 2,056,731	$ 2,197.78	$ 6.02130
Tier 6	292	$3,892.38	$ 1,135	$ 1,863,134	$ 6,388.68	$ 17.50324
Totals/Averages	3,569	$ 1,069.47	$ 3,817	**$ 6,264,998**	$ 1,755.35	$ 4.80919
Avg. No. of Mo. Billed Acct.	297			$ 6,264,998		
				$ 12,529,996		

SCALING OF UNIFIED CHARGES TO MATCH TOTAL IND-T and EG-T CAC RRQ

	2003 BILLINGS per Mo.			2004		Scaled to	Scaled Monthly	Daily	Minimum Annual
IND-T/EG-T	EG	IND	Total	Indust T CAC	Revenues	2004 RRQ	Charges	Equivalents	Therms in Tier
Tier 1	55	11	19	$ 19.48	$ 4,481	$ 5,273	$ 22.93	$ 0.06281	-
Tier 2	12	8	16	$ 153.50	$ 28,857	$ 33,959	$ 180.63	$ 0.49489	60,000
Tier 3	26	55	105	$ 582.33	$ 733,733	$ 863,450	$ 685.28	$ 1.87747	120,000
Tier 4	16	76	109	$ 1,535.02	$ 2,003,204	$ 2,357,351	$ 1,806.40	$ 4.94904	600,000
Tier 5	22	60	99	$ 2,197.78	$ 2,617,550	$ 3,080,308	$ 2,586.32	$ 7.08581	2,400,000
Tier 6	15	16	21	$ 6,388.68	$ 1,603,560	$ 1,887,054	$ 7,518.14	$ 20.59765	12,000,000
Tier 7	7	3	13	$ 16,061.28	$ 2,521,621	$ 2,967,420	$ 18,900.76	$ 51.78291	60,000,000
Tier 8	3	0	3	$ 35,331.08	$ 1,271,919	$ 1,496,782	$ 41,577.28	$ 113.91037	240,000,000
Totals/Averages			385	$ 1,513.94	$ 10,784,925	$ 12,691,598	$ 2,748.29	$ 7.52956	

Total IND/EG CAC RRQ	$ 12,691,598
Scaling Factor	117.68%

Tier 6,7 & 8 Scaled Annual Revenue	$ 6,351,256
Tier 6, 7 & 8 Annual Total Billings	444
Adopted Tier 6 Monthly Charge	**$14,304.63**

	A	B	C	D
29	Wholesale Proportion of present Customer Access Charges			
30		206.71	2.787%	
31		1028.08	13.861%	
32		560.47	7.557%	
33		4392.6	59.224%	
34		482.2	6.501%	
35		746.87	10.070%	
36		7416.93	100.000%	

	B	C	D	E	F	G	H	I	J	K	L	M	N	O
66	**Adopted 2004 Wholesale Customer Access Charges**							**Palo Alto**	**Coalinga**	**Island Energy**	**Mather**	**Castle**	**Alpine 1**	
67	**Whsle based on current proportion:**							59.2240%	13.8610%	7.5570%	10.0700%	6.5010%	2.7870%	
68	**Whsle revenue requirement:**					$300,642								
69	**Whsle revenue requirement allocation (current proportion * rev. req.)**							$178,052.06	$41,671.95	$22,719.50	$30,274.62	$19,544.72	$8,378.89	
70	**Whsle customer access charges (Rev. req. allocation / 12):**							$14,837.67	$3,472.66	$1,893.29	$2,522.89	$1,628.73	$698.24	
71														
72														
73	Note 1: Wholesale customer class revenue allocation from PG&E model, Row 46, col. I to N based on Adopted Total Customer Class Charge Revenue Requirment.)													

Line #				
	Calculation of Distribution Component for EG-Distribution-level customers			
1	Annual Distribution-Level Costs Allocated to distribution-level Cogen BCAP Decision 01-11-001 ($ 000)	$ 1,791		
2		25%		
3	25% Allocation to Distribution-level customers in Single EG Class (Distribution Rate)		$ 448	
4	Annual Average Cogeneration Volumes per Decision 01-11-001 (mth)	975,775		
5	% of Cogen Volumes on Distribution per Service Level Study in D. 01-11-001	2.270%		
6	Distribution-level volumes		22,150	
7	Distribution EG Cost Component for G-EG Distribution ($/th)			$ 0.0202
	Calculation of 75% Allocated Equally to all EG Customers (D and T)			
8	Annual Distribution Costs Allocated to distribution-level Cogen BCAP Decision 01-11-001 ($ 000)	$ 1,791		
9		75%		
10	75% Allocation to All Customers Equally Single EG Class (Distribution Rate)		$ 1,343	
11	Annual EG & Cogen volumes per Decision 01-11-011 (mth)		2,763,205	
12	Distribution Cost Component Adder in CCC for EG-T and EG-D($/th)			$ 0.0005
			$/th	$/dth
13	Total Distribution-Level Cost Compoment for EG-D - Gas Accord II - 2004		$ 0.0207	$ 0.2070
14	Total Distribution-Level Cost Compoment for EG-T - Gas Accord II - 2004		$ 0.0005	$ 0.0049

Calculation of Estimated CAC Revenue Collected from EG-D Customers in 2004

Line #		Avg. Bills Per Mo. Per Tier	Proposed CAC	Annual Rev. ($)
15	Tier 1	0.1	$ 30.06	$ 21
16	Tier 2	0.0	$ 236.87	$ -
17	Tier 3	7.8	$ 898.61	$ 83,840
18	Tier 4	3.2	$ 2,368.75	$ 90,249
19	Tier 5	0.2	$ 3,391.46	$ 6,105
20	Tier 6	0.0	$ 9,858.60	$ -
21		11.2		$ 180,215
22			In $ 000	180
23			Divide By EG-D Volumes (therms)	22,150
24				$ 0.00814 per therm
25				$ 0.08136 per dth

Calculation of EG-D Customer Access and Distribution Components to Avoid Double Payment of Customer Costs by EG-D

The costs included in the Distribution-Level costs allocated to the Cogeneration Class in the 2000 BCAP Decision include both customer and distribution costs, i.e., they are Distribution-Level Costs. However, EG-D customers will be paying the CAC charges based on the same unified EG/IND Customer Access Charge schedule. Therefore, to prevent double payment of customer charges by EG-D customers, the Distribution-Level Cost Component from line 13 will be reduced by the estimated volumetric equivalent of the Customer Access Charges EG-D will pay during 2004.

26	Total Proposed Distribution-Level Cost Component for EG-D	$ 0.2070	$/dth
27	Less Estimated Volumetric Equivalent EG-D Customers Will Pay in Noncore CAC's	$ 0.0814	$/dth (Ref. by Table 14.1-2)
28	Net Distribution Cost Component for EG-D	$ 0.1256	$/dth (Ref. by Table 14.1-2)