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**BEFORE THE PUBLIC UTILITIES COMMISSION  
OF THE STATE OF CALIFORNIA**

Application of Pacific Gas and Electric  
Company Proposing Cost of Service and Rates  
for Gas Transmission and Storage Services for  
the period of 2015-2017.

(U 39 G)

Application 13-12-012  
(Filed December 19, 2013)

And Related Matter.

Investigation 14-06-016

**PACIFIC GAS AND ELECTRIC COMPANY'S (U 39 G)  
REVISED RATE APPENDICES PURSUANT TO  
ASSIGNED COMMISSIONER'S RULING**

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Dated: May 26, 2016

Attorneys for  
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Pursuant to the May 23, 2016 Assigned Commissioner's Ruling (ACR), PG&E files the attached illustrative rate tables, updated to reflect the effect of amortization of the 2015-2016 revenue undercollection in the Gas Transmission and Storage Memorandum Account (GTSMA) over an 18-month period, assuming a July 1, 2016 implementation date. Also attached are updated Appendix G, Tables 15, 16, 20-B (new), 33 and Appendix J Tables 1, 2, 6-B and 19 to include illustrative year 2017. A summary of rate tables that have been updated under each scenario is also provided, as not all tables require updates depending on the revenue amortization scenario.

There are two ways in which the undercollection in the GTSMA may be recovered: (1) through end-use rates; or (2) through Backbone, Local Transmission, Storage, and Customer Access Charge rates. The following rate tables show illustrative rates under these four scenarios:

Scenario A: Appendix G (after \$850M) Tables 15-A, 16-A, 20-A, 20-B, 20-C and 33-A are updated to include amortization of the revenue undercollection in end use rates through 2017, in addition to providing updated illustrative bill impacts for residential and small commercial customers through 2017. Under this scenario there are no other changes to backbone, local transmission, storage or customer access charge rates in Appendix G, Tables 21- 32.

Scenario B: Appendix G (after \$850M) Tables 15-A, 16-A, 20-A, 20-C, 21- 26, 28-30 and 33-A are updated to include amortization of the revenue undercollection in backbone, local transmission, storage, and customer access charge rates, in addition to providing updated illustrative bill impacts for residential and small commercial customers through 2017.

Scenario C: Appendix J (before \$850M) Tables 1-A, 2-A, 6-A, 6-C and 19-A are updated to include amortization of the revenue undercollection in end use rates through 2017, in addition to providing updated illustrative bill impacts for residential and small commercial customers through 2017. Amortization of the revenue undercollection in end use rates will not impact backbone, local transmission, storage, or customer access charge rates in Appendix J, Tables 7-18.

Scenario D: Appendix J (before \$850M) Tables 1-A, 2-A, 6-A, 6-C,7-12, 14-16 and 19-A are updated to include amortization of the revenue undercollection in backbone, local transmission, storage and customer access charge rates, in addition to providing illustrative bill impacts for residential and small commercial customers through 2017.

The attached rate tables are illustrative. PG&E will file a Tier 1 Advice Letter before implementation of actual rates. In addition, the following assumptions were used to develop illustrative rates which included the revenue undercollection for 2015-2016 in backbone, local transmission and storage rate tables under scenarios B and D:

1. Assumes a July 1, 2016 implementation date and an 18 month amortization period for the 2015-2016 revenue undercollection.
2. Utilizes the Proposed Decision's system average backbone load factors. As the backbone load factor is an iterative process that depends on adopted rates, an updated backbone load factor will be used to calculate final rates.
3. Uses the recorded balance in the Gas Transmission and Storage Memorandum Account (GTMSA) as of April 30, 2016 and an undercollection forecast for May and June. This amount will be updated to reflect the recorded balance in the account and one month forecast prior to implementation of new rates.

4. Maintains the same ratio allocation between fixed and variable costs in the GT&S unbundled rates.
5. 2017 rates are illustrative and will be updated through PG&E's Annual Gas True Up Advice letter process which incorporates balancing account adjustments and updates from other regulatory proceedings.

Respectfully Submitted,

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Dated: May 26, 2016

**2015 GT&S Rate Case  
Summary of Illustrative Rate Table Changes**

Appendix G	Table Name	Tables in Proposed Decision (Appendix G)	Scenario A	Scenario B
			With \$850 applied Amortization in End-Use Rates (Appendix G)	With \$850 applied Amortization in GT&S RRQ/Rates (Appendix G)
Table 15	Illustrative End-use Class Average Rates	Updated to include 2017 (Table 15 revised)	Includes Amortization (Table 15A revised)	Includes Amortization (Table 15A revised)
Table 16	Illustrative End-Use Noncore and Wholesale Class Average Rates with Procurement Proxy	Updated to include 2017 (Table 16 revised)	Includes Amortization (Table 16A revised)	Includes Amortization (Table 16A revised)
Table 17	2014 Average Rate Detail with 2014 GT&S and PSEP Components by End-Use Customer Class	No updates	No updates	No updates
Table 18	2014 Average Rate Detail with Proposed 2015 GT&S Components by End-Use Customer Class	No updates	No updates	No updates
Table 19	2016 AGT with Interim 2015 Gas Accord V (2014 Rev.Req plus 2% escalator)	No updates	No updates	No updates
Table 20	2016 Average Rate Detail with Adopted 2015 GT&S (Year 2016) By End-Use Customer Class	No updates	Includes Amortization (Table 20A revised)	Includes Amortization (Table 20A revised)
NEW Tables 20B-C	2016 Average Rate Detail with Adopted 2015 GT&S (Year 2017) By End-Use Customer Class	NEW Tables 20B (2017 Average Rate Details)	NEW Tables 20C (2017 Average Rate Details)	NEW Tables 20C (2017 Average Rate Details)
Table 21	Firm Backbone Transportation Annual Rates (AFT) -- SFV Rate Design On-System Transportation Service	No updates	No updates	Includes Amortization (Table 21 revised)
Table 22	Firm Backbone Transportation Annual Rates (AFT) -- MFV Rate Design On-System Transportation Service	No updates	No updates	Includes Amortization (Table 22 revised)
Table 23	Firm Backbone Transportation Seasonal Rates (SFT) -- SFT Rate Design On-System Transportation Service	No updates	No updates	Includes Amortization (Table 23 revised)
Table 24	Firm Backbone Transportation Seasonal Rates (SFT) -- MFV Rate Design On-System Transportation Service	No updates	No updates	Includes Amortization (Table 24 revised)
Table 25	As-Available Backbone Transportation On-System Transportation Service	No updates	No updates	Includes Amortization (Table 25 revised)
Table 26	Backbone Transportation Annual Rates (AFT-Off) -- Off-System Deliveries	No updates	No updates	Includes Amortization (Table 26 revised)
Table 27	Firm Transportation Expansion Shippers -- Annual Rates (G-XF) SFV Rate Design	No updates	No updates	No updates
Table 28	Storage Service Rates	No updates	No updates	Includes Amortization (Table 28 revised)
Table 29	Local Transmission Rates	No updates	No updates	Includes Amortization (Table 29 revised)
Table 30	Customer Access Charge Rates (\$ per Month)	No updates	No updates	Includes Amortization (Table 30 revised)
Table 31	Self Balancing Credit (\$/dth)	No updates	No updates	No updates
Table 32	Illustrative Bill Impact of the Adopted 2015 GT&S Rates Compared to 2014 GA V Rates	No updates	No updates	No updates
Table 33	Illustrative Bill Impact of the Adopted 2016 GT&S Rates Compared to 2016 AGT Rates	Updated to include 2017 (Table 33 revised)	Includes Amortization (Table 33A revised)	Includes Amortization (Table 33A revised)

# Appendix G

Proposed Decision Tables  
Updated to Incorporate Year 2017

**2015 Gas Transmission and Storage Ratecase**  
**Adopted Safety Program Costs (\$850 million)**  
**Proposed Decision Table Updated To Include 2017 Rates**

Updated Appendix G: Table 15 revised (before amortization of revenue undercollection)

**PACIFIC GAS AND ELECTRIC COMPANY**  
**Illustrative End-Use Class Average Rates (\$/dth) (e)**

Line No.		Rates Effective April 1, 2014 with Adopted 2014 GT&S Components and PSEP Update (a)			Rates Effective January 1, 2016 with Adopted 2015 GT&S (Year 2015 Components)				Rates Effective January 1, 2016 with Adopted 2015 GT&S (Year 2016 Components)			Rates Effective January 1, 2017 with Adopted 2015 GT&S (Year 2017 Components)			
		\$	%	Change (d)	\$	%	Change (d)	%	\$	%	Change (d)	%	\$	%	Change (d)
<b>Core Retail Bundled Service (c)</b>															
1	Residential Non-CARE**/**	12,215		12,918	0.701	5.7%	14,727	16,189	1,462	9.9%	16,358	0.169	1.0%		
2	Small Commercial Non-CARE**	9,372		10,054	0.682	7.3%	9,607	11,035	1,428	14.9%	11,198	0.163	1.5%		
3	Large Commercial	7,296		7,965	0.669	9.2%	6,870	8,240	1,371	20.0%	8,392	0.152	1.8%		
4	Uncompressed Core NGV	6,408		7,075	0.667	10.4%	5,183	6,548	1,365	26.3%	6,699	0.151	2.3%		
5	Compressed Core NGV	18,941		19,608	0.667	3.5%	20,960	22,325	1,365	6.5%	22,476	0.151	0.7%		
<b>Core Retail Transport Only (d)</b>															
6	Residential Non-CARE**/**	6,951		7,523	0.572	8.2%	10,900	12,185	1,286	11.8%	12,311	0.124	1.0%		
7	Small Commercial	4,310		4,882	0.572	13.3%	5,950	7,246	1,296	21.6%	7,371	0.124	1.7%		
8	Large Commercial	2,626		3,197	0.572	21.8%	3,541	4,827	1,286	36.3%	4,951	0.124	2.6%		
9	Uncompressed Core NGV	1,731		2,302	0.572	33.0%	1,876	3,163	1,286	68.6%	3,287	0.124	3.9%		
10	Compressed Core NGV	14,264		14,835	0.572	4.0%	17,653	18,940	1,286	7.3%	19,064	0.124	0.7%		
<b>Noncore Retail Transportation Only (d)</b>															
11	Industrial – Distribution	1,883		2,092	0.209	11.1%	2,385	2,920	0.534	22.4%	2,976	0.056	1.9%		
12	Industrial – Transmission	0,868		1,071	0.202	23.3%	0,788	1,314	0.526	66.7%	1,369	0.058	4.2%		
13	Industrial – Backbone	0,477		0,430	(0.047)	-9.9%	0,457	0,449	-0.008	-1.7%	0,448	-0.001	-0.1%		
14	Uncompressed Noncore NGV – Distribution	1,767		1,976	0.209	11.9%	2,191	2,725	0.534	24.4%	2,782	0.056	2.1%		
15	Uncompressed Noncore NGV – Transmission	0,747		0,950	0.202	27.1%	0,613	1,139	0.526	85.7%	1,194	0.058	4.9%		
16	Electric Generation – Distribution/Transmission	0,496		0,703	0.207	41.7%	0,366	0,896	0.530	144.8%	0,952	0.056	6.3%		
17	Electric Generation – Backbone	0,162		0,123	(0.039)	-24.0%	0,124	0,124	0,000	0.1%	0,124	0,000	-0.1%		
<b>Wholesale Transportation Only (d)</b>															
18	Alpine Natural Gas	0,495		0,670	0.185	38.2%	0,354	0,874	0.510	140.2%	0,928	0.054	6.2%		
19	Coalinga	0,493		0,673	0.180	36.5%	0,373	0,878	0.505	135.6%	0,932	0.054	6.2%		
20	Island Energy	0,685		0,782	0.096	14.1%	0,588	1,000	0.432	76.0%	1,049	0.049	4.9%		
21	Palo Alto	0,444		0,647	0.203	45.7%	0,322	0,649	0,526	163.2%	0,905	0,056	5.6%		
22	West Coast Gas - Castle	1,592		1,727	0.135	8.5%	2,397	2,861	0,464	19.4%	2,913	0,052	1.8%		
23	West Coast Gas - Mather D	1,851		2,023	0.161	8.7%	2,964	3,451	0,487	16.4%	3,505	0,054	1.6%		
24	West Coast Gas - Mather T	0,522		0,663	0.161	30.9%	0,402	0,889	0,487	121.3%	0,943	0,054	6.1%		

**Notes:**

- a) 2014 rates are based on PG&E's 2014 April Transportation Rate Change Filing (Advice Letter 3374-G), the 2014 GT&S Rate Components filed in Advice Letter 3360-G, and the Pipeline Safety Enhancement Plan Update rates filed in A.13-10-017.
- b) 2016 rates are based on PG&E's 2016 Annual Gas True-up (AGT) filing per Advice Letter 3684-G and Gas Accord V rates filed in Advice Letter 3664-G.
- c) PG&E's bundled gas service is available to core customers only. Intrastate backbone transmission and storage costs addressed in this proceeding, are included in end use rates paid by bundled core customers. Bundled service also includes a procurement cost for gas purchases, shrinkage, transportation on Canadian and interstate pipelines, core brokerage, and franchise fees and uncollectibles expense. The illustrative annual average rates for these elements are based on the illustrative revenue requirements shown on PG&E's Preliminary Statement Part C2, last updated with Advice Letter 3664-G. Core bundled rates also includes the cost of transportation and delivery of gas from the citygate to the customer's burner tip, including local transmission, distribution, customer access, public purpose, and mandated programs and other charges.
- d) PG&E's transportation-only gas service is for core and noncore customers. Transportation-only service begins at PG&E's citygate and includes the applicable costs of gas transportation and delivery on PG&E's local transmission, including distribution, customer access, public purpose programs and customer class charges. Transportation-only rates exclude backbone transmission and storage costs.
- e) Rates are class average rates. Actual transportation rates will vary depending on the customer's load factor and seasonal usage.  
Dollar difference are due to rounding.

**2015 Gas Transmission and Storage Ratecase  
 Adopted Safety Program Costs (\$850 million)  
 Proposed Decision Table Updated To Include 2017 Rates**

**Updated Appendix G: Table 16 revised (before amortization of revenue undercollection)  
 PACIFIC GAS AND ELECTRIC COMPANY**

**Illustrative End-Use Noncore and Wholesale Class Average Rates with Procurement Proxy (a)(\$/dth) (d)**

Line No.		Rates Effective	Rates Effective	\$	%	Rates Effective	Rates Effective	\$	%	Rates Effective	\$	%
		April 1, 2014 with Adopted 2014 GT&S Components and PSEP Update (a)	April 1, 2014 with Adopted 2015 GT&S Components (Year 2015)			Change (d)	Change			January 1, 2016 with Adopted 2015 GT&S Components (Year 2016)		
<b>Noncore Retail with Procurement Proxy</b>												
1	Industrial – Distribution	5.853	6.042	0.189	3.2%	5.692	6.306	0.613	10.8%	6.389	0.083	1.3%
2	Industrial – Transmission	4.838	5.021	0.182	3.8%	4.095	4.699	0.605	14.8%	4.782	0.082	1.8%
3	Industrial – Backbone	4.448	4.380	(0.067)	-1.5%	3.763	3.835	0.072	1.9%	3.861	0.026	0.7%
4	Uncompressed Noncore NGV – Distribution	5.737	5.926	0.189	3.3%	5.498	6.111	0.613	11.2%	6.194	0.083	1.4%
5	Uncompressed Noncore NGV – Transmission	4.718	4.900	0.182	3.9%	3.920	4.525	0.605	15.4%	4.607	0.082	1.8%
6	Electric Generation – Distribution/Transmission	4.466	4.653	0.187	4.2%	3.672	4.281	0.609	16.6%	4.364	0.083	1.9%
7	Electric Generation – Backbone	4.132	4.073	(0.059)	-1.4%	3.431	3.510	0.079	2.3%	3.537	0.026	0.8%
<b>Wholesale with Procurement Proxy</b>												
8	Alpine Natural Gas	4.455	4.620	0.165	3.7%	3.670	4.280	0.589	16.1%	4.341	0.081	1.9%
9	Coalinga	4.464	4.623	0.160	3.6%	3.679	4.283	0.584	15.9%	4.344	0.081	1.9%
10	Island Energy	4.855	4.732	0.076	1.6%	3.875	4.386	0.511	13.2%	4.482	0.075	1.7%
11	Palo Alto	4.414	4.598	0.183	4.1%	3.629	4.234	0.805	16.7%	4.317	0.082	1.9%
12	West Coast Gas - Castle	5.582	5.677	0.115	2.1%	5.703	6.246	0.543	9.5%	6.325	0.079	1.3%
13	West Coast Gas - Mather D	5.832	5.973	0.141	2.4%	6.271	6.837	0.566	9.0%	6.918	0.081	1.2%
14	West Coast Gas - Mather T	4.492	4.633	0.141	3.1%	3.708	4.275	0.566	15.3%	4.355	0.081	1.9%

**Notes:**

- a) Proxy based on average core gas commodity costs and Canadian, interstate, intrastate backbone and transmission shrinkage costs in PG&E's G-NGV1 procurement rate.
- b) 2014 rates are based on PG&E's 2014 April Transportation Rate Change Filing (Advice Letter 3374-G), the 2014 GT&S Rate Components filed in Advice Letter 3360-G, and the Pipeline Safety Enhancement Plan Update rates filed in A.13-10-017.
- c) 2016 rates are based on PG&E's 2016 Annual Gas True-up (AGT) filing per Advice Letter 3684-G and Gas Accord V rates filed in Advice Letter 3664-G.
- d) Rates are class average rates. Actual transportation rates will vary depending on the customer's load factor and seasonal usage.

Dollar difference are due to rounding.

**2015 Gas Transmission and Storage Ratecase**  
**Adopted Safety Program Costs (\$850 million)**  
**Proposed Decision Table Updated To Include 2017 Rates**

**Appendix G: NEW Table 20B (before amortization of revenue undercollection)**

**Rates Effective January 1, 2016 with Adopted 2015 GT&S (Year 2017 Components) By End-Use Customer Class (a)(b)**  
**(\$/dth)**

	Core (a)					Noncore Transportation						
	Res	Small	Large	Uncomp.	Comp.	Industrial			Natural Gas Vehicle		Electric Gen	
		Comm	Comm	NGV	NGV	Dist	Trans	BB	Dist	Trans	D/T	BB
End-Use Transportation:												
Local Transmission & Rate Adders	1.8856	1.8856	1.8856	1.8856	1.8856	0.8230	0.8230	0.0000	0.8230	0.8230	0.8230	0.0000
Distribution (b)	7.1577	3.1647	1.3674	0.7153	13.0056	1.5271	0.0943	0.0000	1.5271	0.0000	0.0296	0.0296
Mandated Customer Programs and Other Charges:	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Self Generation Incentive Program	0.0091	0.0091	0.0091	0.0091	0.0091	0.0091	0.0091	0.0091	0.0091	0.0091	0.0091	0.0091
CPUC Fee	0.0203	0.0203	0.0203	0.0203	0.0203	0.0203	0.0203	0.0203	0.0203	0.0203	0.0112	0.0112
Balancing Accounts	2.2183	1.2650	0.5969	0.4015	3.9001	0.1161	0.0907	0.0890	0.1161	0.0890	0.0724	0.0724
Volumetric End-Use Rate	11.2909	6.3446	3.8792	3.0317	18.8207	2.4956	1.0373	0.1184	2.4956	0.9414	0.9452	0.1223
Customer/ Customer Access Charge (c)	0.0000	0.5888	0.0449	0.0120	0.0000	0.0427	0.0098	0.0079	0.0427	0.0098	0.0066	0.0020
Total End-Use Rate	11.2909	6.9334	3.9240	3.0436	18.8207	2.5383	1.0471	0.1263	2.5383	0.9511	0.9519	0.1242
Gas Public Purpose Program Surcharge	1.0197	0.4371	1.0273	0.2433	0.2433	0.4379	0.3222	0.3222	0.2433	0.2433	0.0000	0.0000
Total Rate	12.3106	7.3705	4.9513	3.2869	19.0640	2.9762	1.3693	0.4485	2.7816	1.1944	0.9519	0.1242
<b>Procurement Charges for Core Bundled Customers:</b>												
Storage	0.3036	0.2558	0.1773	0.1662	0.1662							
Backbone Capacity	0.4134	0.3447	0.2214	0.2145	0.2145							
Backbone Usage	0.0942	0.0942	0.0942	0.0942	0.0942							
WACOG	2.4353	2.4353	2.4353	2.4353	2.4353							
Interstate Capacity and Other	0.8004	0.6974	0.5125	0.5021	0.5021							
Total Core Procurement	4.0469	3.8274	3.4407	3.4124	3.4124							
Total Core Bundled Rates	16.3575	11.1979	8.3920	6.6993	22.4764							

	Wholesale Transportation						
	Alpine	Coalinga	Island Energy	Palo Alto	WCG Castle	WCG Mather Dist	WCG Mather Trans
End-Use Transportation:							
Local Transmission & Rate Adders	0.8230	0.8230	0.8230	0.8230	0.8230	0.8230	0.8230
Distribution (b)	0.0000	0.0000	0.0000	0.0000	1.9031	2.5200	0.0000
Mandated Customer Programs and Other Charges:	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Self Generation Incentive Program	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
CPUC Fee	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Balancing Accounts	0.0717	0.0717	0.0717	0.0717	0.1038	0.1142	0.0717
Volumetric End-Use Rate	0.8947	0.8947	0.8947	0.8947	2.8299	3.4573	0.8947
Customer/ Customer Access Charge (c)	0.0335	0.0370	0.1545	0.0098	0.0829	0.0479	0.0479
Total End-Use Rate	0.9282	0.9317	1.0493	0.9045	2.9128	3.5052	0.9427
Gas Public Purpose Program Surcharge	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total Rate	0.9282	0.9317	1.0493	0.9045	2.9128	3.5052	0.9427

**Notes:**

- a) Class average rates reflect load shape for bundled core
- b) Distribution rates represent the annual class average.
- c) Customer access and customer charges represent the class average volumetric equivalent of the monthly charge.

**2015 Gas Transmission and Storage Ratecase  
Adopted Safety Program Costs (\$850 million)  
Proposed Decision Table Updated To Include 2017 Rates  
Updated Appendix G: Table 33 revised (before amortization of revenue undercollection)**

**PACIFIC GAS AND ELECTRIC COMPANY  
Illustrative Bill Impacts of Adopted 2016 and 2017 Rates Compared to 2016 AGT Rates and Adopted 2016 Rates**

<b>RESIDENTIAL CLASS</b>		Rates Effective January 1, 2016 (A)	Rates Effective January 1, 2016 with Adopted 2015 GT&S (Year 2016 Components) (B)	Rates Effective January 1, 2016 with Adopted 2015 GT&S (Year 2017 Components)
Line No.				
1	Non-CARE Residential Illustrative Bundled Rate* (\$/th)	\$1.37074	\$1.51690	\$1.53378
2	State-Mandated Residential Public Purpose Program Surcharge (\$/th)	\$0.10197	\$0.10197	\$0.10197
3	End-User Total Rate and Surcharge (\$/th)	\$1.47271	\$1.61887	\$1.63575
4	Average Monthly Use per Residential Customer (therms)	34	34	34
5	Present Average Non-CARE Residential Customer Monthly Bill (\$)	\$50.07	\$55.04	\$55.62
6	Change in Average Non-CARE Residential Bill		\$4.97	\$0.58
7	% Change in Average Annual Non-CARE Residential Bill		9.9%	1.1%
<b>SMALL COMMERCIAL CLASS</b>		Rates Effective January 1, 2016 (A)	Rates Effective January 1, 2016 with Adopted 2015 GT&S (Year 2016 Components) (B)	Rates Effective January 1, 2016 with Adopted 2015 GT&S (Year 2017 Components)
8	Non-CARE Small Commercial Illustrative Bundled Rate* (\$/th)	\$0.91699	\$1.05982	\$1.07608
9	State-Mandated Small Commercial Public Purpose Program Surcharge (\$/th)	\$0.04371	\$0.04371	\$0.04371
10	End-User Total Rate and Surcharge (\$/th)	\$0.96070	\$1.10353	\$1.11979
11	Average Monthly Use per Small Commercial Customer (therms)	284	284	284
12	Present Average Non-CARE Small Commercial Customer Monthly Bill (\$)	\$272.84	\$313.40	\$318.02
13	Change in Average Non-CARE Small Commercial Bill		\$40.56	\$4.62
14	% Change in Average Annual Non-CARE Small Commercial Bill		14.9%	1.5%

\* CARE customers receive a discount of 20% off of PG&E's bundled residential rates and are exempt from paying CARE-related portions of PG&E's G-PPPS rates.

# Appendix G

## Scenario A

### Proposed Decision Tables

Updated To Incorporate The 2015 – 2016 Revenue  
Undercollection In End User Rates

**2015 Gas Transmission and Storage Ratecase**

**Adopted Safety Program Costs (\$850 million)**

Includes Amortization of 2015-2016 Revenue Undercollection in End Use 2016 and 2017 Rates

Updated Appendix G: Table 15A revised

**PACIFIC GAS AND ELECTRIC COMPANY**

Illustrative End-Use Class Average Rates (\$/dth) (e)

Line No.	Rates Effective April 1, 2014 with Adopted 2014 GT&S Components and PSEP Update (a)		Rates Effective April 1, 2014 with Adopted 2015 GT&S Components (Year 2015 Components)		Rates Effective January 1, 2016 with Adopted 2015 GT&S Components (Year 2016 Components)				Rates Effective January 1, 2016 with Adopted 2015 GT&S Components (Year 2017 Components)			
	\$	% Change	\$	% Change	Rates Effective January 1, 2016	\$	% Change	\$	% Change	\$	% Change	
<b>Core Retail Bundled Service (c)</b>												
1	Residential Non-CARE**/****	12.215	12.916	0.701	5.7%	14.727	17.169	2.442	16.6%	17.338	0.169	1.0%
2	Small Commercial Non-CARE**	9.372	10.054	0.682	7.3%	9.607	12.016	2.409	25.1%	12.178	0.163	1.4%
3	Large Commercial	7.296	7.965	0.669	9.2%	6.870	9.221	2.351	34.2%	9.373	0.152	1.6%
4	Uncompressed Core NGV	6.408	7.075	0.667	10.4%	5.183	7.529	2.346	45.3%	7.660	0.151	2.0%
5	Compressed Core NGV	18.941	19.608	0.667	3.5%	20.960	23.306	2.346	11.2%	23.457	0.151	0.6%
<b>Core Retail Transport Only (d)</b>												
6	Residential Non-CARE**/****	6.951	7.523	0.572	8.2%	10.900	13.167	2.267	20.8%	13.291	0.124	0.9%
7	Small Commercial	4.310	4.882	0.572	13.3%	5.960	8.227	2.267	38.0%	8.351	0.124	1.5%
8	Large Commercial	2.626	3.197	0.572	21.8%	3.541	5.807	2.267	64.0%	5.932	0.124	2.1%
9	Uncompressed Core NGV	1.731	2.302	0.572	33.0%	1.876	4.143	2.267	120.8%	4.267	0.124	3.0%
10	Compressed Core NGV	14.264	14.835	0.572	4.0%	17.653	19.920	2.267	12.8%	20.044	0.124	0.6%
<b>Noncore Retail Transportation Only (d)</b>												
11	Industrial – Distribution	1.883	2.092	0.209	11.1%	2.386	3.271	0.885	37.1%	3.327	0.056	1.7%
12	Industrial – Transmission	0.868	1.071	0.202	23.3%	0.788	1.665	0.877	111.3%	1.720	0.056	3.3%
13	Industrial – Backbone	0.477	0.430	(0.047)	-9.9%	0.457	0.456	-0.001	-0.2%	0.455	-0.001	-0.1%
14	Uncompressed Noncore NGV – Distribution	1.767	1.976	0.209	11.9%	2.191	3.077	0.885	40.4%	3.133	0.056	1.8%
15	Uncompressed Noncore NGV – Transmission	0.747	0.950	0.202	27.1%	0.613	1.490	0.877	143.0%	1.546	0.056	3.7%
16	Electric Generation – Distribution/Transmission	0.496	0.703	0.207	41.7%	0.366	1.247	0.881	240.8%	1.303	0.056	4.5%
17	Electric Generation – Backbone	0.162	0.123	(0.039)	-24.0%	0.124	0.131	0.007	5.5%	0.131	0.000	-0.1%
<b>Wholesale Transportation Only (d)</b>												
18	Alpine Natural Gas	0.485	0.670	0.185	38.2%	0.364	1.225	0.861	236.7%	1.279	0.054	4.4%
19	Coalinga	0.493	0.673	0.180	36.5%	0.373	1.229	0.856	229.9%	1.283	0.054	4.4%
20	Island Energy	0.685	0.782	0.096	14.1%	0.568	1.352	0.783	137.8%	1.400	0.049	3.6%
21	Palo Alto	0.444	0.647	0.203	45.7%	0.322	1.200	0.877	272.1%	1.256	0.056	4.7%
22	West Coast Gas - Castle	1.592	1.727	0.135	8.5%	2.397	3.212	0.815	34.0%	3.264	0.052	1.6%
23	West Coast Gas - Mather D	1.861	2.023	0.161	8.7%	2.964	3.803	0.838	28.3%	3.856	0.054	1.4%
24	West Coast Gas - Mather T	0.522	0.683	0.161	30.9%	0.402	1.240	0.838	208.8%	1.294	0.054	4.3%

**Notes:**

- b) 2016 rates are based on PG&E's 2016 Annual Gas True-up (AGT) filing per Advice Letter 3664-G and Gas Accord V rates filed in Advice Letter 3664-G.
- c) PG&E's bundled gas service is available to core customers only. Intra-state backbone transmission and storage costs addressed in this proceeding, are included in end use rates paid by bundled core customers. Bundled service also includes a procurement cost for gas purchases, shrinkage, transportation on Canadian and Interstate pipelines, core brokerage, and franchise fees and uncollectibles expense. The illustrative annual average rates for these elements are based on the illustrative revenue requirements shown on PG&E's Preliminary Statement Part C2, last updated with Advice Letter 3664-G. Core bundled rates also includes the cost of transportation and delivery of gas from the citygate to the customer's burnertip, including local transmission, distribution, customer access, public purpose, and mandated programs and other charges.
- d) PG&E's transportation-only gas service is for core and noncore customers. Transportation-only service begins at PG&E's citygate and includes the applicable costs of gas transportation and delivery on PG&E's local transmission, including distribution, customer access, public purpose programs and customer class charges. Transportation-only rates exclude backbone transmission and storage costs.
- e) Rates are class average rates. Actual transportation rates will vary depending on the customer's load factor and seasonal usage.

Dollar difference are due to rounding.

**2015 Gas Transmission and Storage Ratecase**  
**Adopted Safety Program Costs (\$850 million)**  
**Includes Amortization of 2015-2016 Revenue Undercollection in End Use 2016 and 2017 Rates**

Updated Appendix G: Table 16A revised  
**PACIFIC GAS AND ELECTRIC COMPANY**

**Illustrative End-Use Noncore and Wholesale Class Average Rates with Procurement Proxy (a)/(\$/dth) (d)**

Line No.	Rates Effective April 1, 2014 with Adopted 2014 GT&S Components and PSEP Update (a)	Rates Effective April 1, 2014 with Adopted 2015 GT&S (Year 2015 Components)		Rates Effective January 1, 2016 with Adopted 2015 GT&S (Year 2016 Components)				Rates Effective January 1, 2016 with Adopted 2015 GT&S (Year 2017 Components)				
		\$ Change (d)	% Change	Rates Effective January 1, 2016	\$ Change (d)	% Change	\$ Change (d)	% Change	\$ Change (d)	% Change		
<b>Noncore Retail with Procurement Proxy</b>												
1	Industrial – Distribution	5.853	6.042	0.189	3.2%	5.692	6.657	0.965	16.9%	6.740	0.083	1.2%
2	Industrial – Transmission	4.838	5.021	0.182	3.8%	4.095	5.051	0.956	23.3%	5.133	0.082	1.6%
3	Industrial – Backbone	4.448	4.380	(0.067)	-1.5%	3.763	3.841	0.078	2.1%	3.867	0.026	0.7%
4	Uncompressed Noncore NGV – Distribution	5.737	5.926	0.189	3.3%	5.498	6.462	0.965	17.5%	6.545	0.083	1.3%
5	Uncompressed Noncore NGV – Transmission	4.718	4.900	0.182	3.9%	3.920	4.876	0.956	24.4%	4.958	0.082	1.7%
6	Electric Generation – Distribution/Transmission	4.466	4.653	0.187	4.2%	3.672	4.633	0.960	26.1%	4.715	0.083	1.8%
7	Electric Generation – Backbone	4.132	4.073	(0.059)	-1.4%	3.431	3.517	0.086	2.5%	3.543	0.026	0.8%
<b>Wholesale with Procurement Proxy</b>												
8	Alpine Natural Gas	4.455	4.820	0.165	3.7%	3.670	4.811	0.940	25.6%	4.692	0.081	1.8%
9	Coalinga	4.464	4.823	0.160	3.6%	3.879	4.815	0.935	25.4%	4.695	0.081	1.7%
10	Island Energy	4.655	4.732	0.076	1.6%	3.875	4.737	0.863	22.3%	4.813	0.075	1.6%
11	Palo Alto	4.414	4.598	0.183	4.1%	3.629	4.586	0.957	26.4%	4.868	0.082	1.8%
12	West Coast Gas - Castle	5.562	5.877	0.115	2.1%	5.703	6.598	0.894	15.7%	6.676	0.079	1.2%
13	West Coast Gas - Mather D	5.832	5.973	0.141	2.4%	6.271	7.188	0.918	14.6%	7.269	0.081	1.1%
14	West Coast Gas - Mather T	4.492	4.633	0.141	3.1%	3.708	4.626	0.918	24.7%	4.706	0.081	1.7%

**Notes:**

- a) Proxy based on average core gas commodity costs and Canadian, interstate, intrastate backbone and transmission shrinkage costs in PG&E's G-NGV1 procurement rate.
- b) 2014 rates are based on PG&E's 2014 April Transportation Rate Change Filing (Advice Letter 3374-G), the 2014 GT&S Rate Components filed in Advice Letter 3360-G, and the Pipeline Safety Enhancement Plan Update rates filed in A.13-10-017.
- c) 2016 rates are based on PG&E's 2016 Annual Gas True-up (AGT) filing per Advice Letter 3664-G and Gas Accord V rates filed in Advice Letter 3684-G.
- d) Rates are class average rates. Actual transportation rates will vary depending on the customer's load factor and seasonal usage.

Dollar difference are due to rounding.

**2015 Gas Transmission and Storage Ratecase**  
**Adopted Safety Program Costs (\$850 million)**  
**Includes Amortization of 2015-2016 Revenue Undercollection in End Use 2016 and 2017 Rates**

Updated Appendix G: Table 20A revised

Rates Effective January 1, 2016 with Adopted 2015 GT&S (Year 2016 Components) By End-Use Customer Class (a)(b)  
(\$/dth)

	Core (a)					Noncore Transportation						
	Res	Small Comm	Large Comm	Uncomp. NGV	Comp. NGV	Industrial			Natural Gas Vehicle		Electric Gen	
						Dist	Trans	BB	Dist	Trans	D/T	BB
End-Use Transportation:												
Local Transmission & Rate Adders	1.7612	1.7612	1.7612	1.7612	1.7612	0.7667	0.7667	0.0000	0.7667	0.7667	0.7667	0.0000
Distribution (b)	7.1577	3.1647	1.3674	0.7153	13.0056	1.4937	0.0943	0.0000	1.4937	0.0000	0.0296	0.0296
2015 GT&S Late Implementation Amortization	0.9805	0.9805	0.9805	0.9805	0.9805	0.3512	0.3512	0.0066	0.3512	0.3512	0.3512	0.0066
Self Generation Incentive Program	0.0091	0.0091	0.0091	0.0091	0.0091	0.0091	0.0091	0.0091	0.0091	0.0091	0.0091	0.0091
CPUC Fee	0.0203	0.0203	0.0203	0.0203	0.0203	0.0203	0.0203	0.0203	0.0203	0.0203	0.0112	0.0112
Balancing Accounts	2.2183	1.2650	0.5969	0.4015	3.9001	0.1161	0.0907	0.0890	0.1161	0.0890	0.0724	0.0724
Volumetric End-Use Rate	12.1470	7.2007	4.7353	3.8878	19.6768	2.7570	1.3322	0.1250	2.7570	1.2363	1.2401	0.1289
Customer/ Customer Access Charge (c)	0.0000	0.5888	0.0449	0.0120	0.0000	0.0762	0.0103	0.0084	0.0762	0.0103	0.0067	0.0021
Total End-Use Rate	12.1470	7.7895	4.7802	3.8997	19.6768	2.8332	1.3428	0.1334	2.8332	1.2466	1.2468	0.1310
Gas Public Purpose Program Surcharge	1.0197	0.4371	1.0273	0.2433	0.2433	0.4379	0.3222	0.3222	0.2433	0.2433	0.0000	0.0000
Total Rate	13.1667	8.2266	5.8075	4.1430	19.9201	3.2711	1.6648	0.4556	3.0765	1.4899	1.2468	0.1310
<b>Procurement Charges for Core Bundled Customers:</b>												
Storage	0.2956	0.2491	0.1727	0.1619	0.1619							
Backbone Capacity	0.3840	0.3202	0.2057	0.1993	0.1993							
Backbone Usage	0.0872	0.0872	0.0872	0.0872	0.0872							
WACOG	2.4353	2.4353	2.4353	2.4353	2.4353							
Interstate Capacity and Other	0.8004	0.6974	0.5125	0.5021	0.5021							
Total Core Procurement	4.0025	3.7892	3.4134	3.3858	3.3858							
Total Core Bundled Rates	17.1692	12.0156	9.2209	7.5288	23.3059							
	<b>Wholesale Transportation</b>											
			<u>Island</u>	<u>Palo</u>	<u>WCG</u>	<u>WCG</u>	<u>WCG</u>					
	Alpine	Coalinga	Energy	Alto	Castle	Mather	Mather					
End-Use Transportation:												
Local Transmission & Rate Adders	0.7667	0.7667	0.7667	0.7667	0.7667	0.7667	0.7667					
Distribution (b)	0.0000	0.0000	0.0000	0.0000	1.9031	2.5200	0.0000					
2015 GT&S Late Implementation Amortization	0.3512	0.3512	0.3512	0.3512	0.3512	0.3512	0.3512					
Self Generation Incentive Program	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000					
CPUC Fee	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000					
Balancing Accounts	0.0717	0.0717	0.0717	0.0717	0.1038	0.1142	0.0717					
Volumetric End-Use Rate	1.1896	1.1896	1.1896	1.1896	3.1248	3.7522	1.1896					
Customer/ Customer Access Charge (c)	0.0355	0.0392	0.1620	0.0103	0.0870	0.0503	0.0503					
Total End-Use Rate	1.2251	1.2288	1.3517	1.1999	3.2118	3.8025	1.2399					
Gas Public Purpose Program Surcharge	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000					
Total Rate	1.2251	1.2288	1.3517	1.1999	3.2118	3.8025	1.2399					

**Notes:**

- a) Class average rates reflect load shape for bundled core.
- b) Distribution rates represent the annual class average.
- c) Customer access and customer charges represent the class average volumetric equivalent of the monthly charge.



**2015 Gas Transmission and Storage Ratecase  
 Adopted Safety Program Costs (\$850 million)  
 Includes Amortization of 2015-2016 Revenue Undercollection in End Use 2016 and 2017 Rates  
 Updated Appendix G: Table 33A revised**

**PACIFIC GAS AND ELECTRIC COMPANY  
 Illustrative Bill Impacts of Adopted 2016 and 2017 Rates Compared to 2016 AGT Rates and Adopted 2016 Rates**

<b>RESIDENTIAL CLASS</b>		Rates Effective January 1, 2016 (A)	Rates Effective January 1, 2016 with Adopted 2015 GT&S (Year 2016 Components) (B)	Rates Effective January 1, 2016 with Adopted 2015 GT&S (Year 2017 Components)
Line No.				
1	Non-CARE Residential Illustrative Bundled Rate* (\$/th)	\$1.37074	\$1.61495	\$1.63183
2	State-Mandated Residential Public Purpose Program Surcharge (\$/th)	\$0.10197	\$0.10197	\$0.10197
3	End-User Total Rate and Surcharge (\$/th)	\$1.47271	\$1.71692	\$1.73380
4	Average Monthly Use per Residential Customer (therms)	34	34	34
5	Present Average Non-CARE Residential Customer Monthly Bill (\$)	\$50.07	\$58.38	\$58.95
6	Change in Average Non-CARE Residential Bill		\$8.31	\$0.57
7	% Change in Average Annual Non-CARE Residential Bill		16.6%	1.0%
<b>SMALL COMMERCIAL CLASS</b>		Rates Effective January 1, 2016 (A)	Rates Effective January 1, 2016 with Adopted 2015 GT&S (Year 2016 Components) (B)	Rates Effective January 1, 2016 with Adopted 2015 GT&S (Year 2017 Components)
8	Non-CARE Small Commercial Illustrative Bundled Rate* (\$/th)	\$0.91699	\$1.15787	\$1.17413
9	State-Mandated Small Commercial Public Purpose Program Surcharge (\$/th)	\$0.04371	\$0.04371	\$0.04371
10	End-User Total Rate and Surcharge (\$/th)	\$0.96070	\$1.20158	\$1.21784
11	Average Monthly Use per Small Commercial Customer (therms)	284	284	284
12	Present Average Non-CARE Small Commercial Customer Monthly Bill (\$)	\$272.84	\$341.25	\$345.87
13	Change in Average Non-CARE Small Commercial Bill		\$68.41	\$4.62
14	% Change in Average Annual Non-CARE Small Commercial Bill		25.1%	1.4%

\* CARE customers receive a discount of 20% off of PG&E's bundled residential rates and are exempt from paying CARE-related portions of PG&E's G-PPPS rates.

Appendix G

Scenario B

Proposed Decision Tables

Updated To Incorporate The 2015 – 2016 Revenue  
Undercollection In GT&S Rates

**2015 Gas Transmission and Storage Ratecase**  
**Adopted Safety Program Costs (\$850 Million)**  
**Includes Amortization of 2015-2016 Revenue Undercollection in GT&S Rates**

**Updated Appendix G: Table 15A revised**  
**PACIFIC GAS AND ELECTRIC COMPANY**  
**Illustrative End-Use Class Average Rates (\$/dth) (e)**

Line No.	Rates Effective April 1, 2014 with Adopted 2014 GT&S Components and PSEP Update (a)	Rates Effective April 1, 2014 with Adopted 2015 GT&S (Year 2015 Components)		Rates Effective January 1, 2016 with Adopted 2015 GT&S (Year 2016 Components)		Rates Effective January 1, 2016 with Adopted 2015 GT&S (Year 2017 Components)						
		\$ Change (d)	% Change	\$ Change (d)	% Change	\$ Change (d)	% Change					
<b>Core Retail Bundled Service (c)</b>												
1	Residential Non-CARE**/****	12.215	12.916	0.701	5.7%	14.727	17.261	2.534	17.2%	17.437	0.175	1.0%
2	Small Commercial Non-CARE**	9.372	10.054	0.682	7.3%	9.607	12.092	2.485	25.9%	12.258	0.166	1.4%
3	Large Commercial	7.296	7.965	0.669	9.2%	8.870	9.270	2.401	34.9%	9.421	0.150	1.6%
4	Uncompressed Core NGV	6.408	7.075	0.667	10.4%	5.183	7.575	2.393	46.2%	7.725	0.149	2.0%
5	Compressed Core NGV	18.941	19.808	0.667	3.5%	20.960	23.353	2.393	11.4%	23.502	0.149	0.6%
<b>Core Retail Transport Only (d)</b>												
6	Residential Non-CARE**/****	6.951	7.523	0.572	8.2%	10.900	13.135	2.235	20.5%	13.263	0.128	1.0%
7	Small Commercial	4.310	4.682	0.572	13.3%	5.960	8.195	2.235	37.5%	8.323	0.128	1.6%
8	Large Commercial	2.626	3.197	0.572	21.8%	3.541	5.776	2.236	63.1%	5.904	0.128	2.2%
9	Uncompressed Core NGV	1.731	2.302	0.572	33.0%	1.876	4.112	2.235	119.1%	4.239	0.128	3.1%
10	Compressed Core NGV	14.264	14.835	0.572	4.0%	17.653	19.889	2.236	12.7%	20.017	0.128	0.6%
<b>Noncore Retail Transportation Only (d)</b>												
11	Industrial – Distribution	1.883	2.092	0.209	11.1%	2.385	3.313	0.927	38.9%	3.374	0.061	1.9%
12	Industrial – Transmission	0.868	1.071	0.202	23.3%	0.788	1.687	0.909	115.3%	1.758	0.061	3.6%
13	Industrial – Backbone	0.477	0.430	(0.047)	-9.9%	0.457	0.441	-0.015	-3.4%	0.441	0.000	-0.1%
14	Uncompressed Noncore NGV – Distribution	1.767	1.976	0.209	11.9%	2.191	3.042	0.851	38.9%	3.179	0.137	4.5%
15	Uncompressed Noncore NGV – Transmission	0.747	0.950	0.202	27.1%	0.613	1.521	0.908	148.1%	1.583	0.061	4.0%
16	Electric Generation – Distribution/Transmission	0.496	0.703	0.207	41.7%	0.366	1.293	0.927	253.4%	1.343	0.050	3.9%
17	Electric Generation – Backbone	0.162	0.123	(0.039)	-24.0%	0.124	0.124	0.000	0.0%	0.122	-0.002	-1.5%
<b>Wholesale Transportation Only (d)</b>												
18	Alpine Natural Gas	0.485	0.670	0.185	38.2%	0.364	1.234	0.870	239.1%	1.294	0.060	4.8%
19	Coalinga	0.493	0.673	0.180	36.5%	0.373	1.234	0.862	231.3%	1.294	0.060	4.8%
20	Island Energy	0.685	0.782	0.096	14.1%	0.568	1.243	0.675	118.8%	1.297	0.054	4.3%
21	Palo Alto	0.444	0.647	0.203	45.7%	0.322	1.232	0.909	282.0%	1.293	0.061	4.9%
22	West Coast Gas - Castle	1.592	1.727	0.135	8.5%	2.397	3.173	0.776	32.4%	3.230	0.057	1.8%
23	West Coast Gas - Mather D	1.851	2.023	0.161	8.7%	2.964	3.798	0.833	28.1%	3.857	0.059	1.6%
24	West Coast Gas - Mather T	0.522	0.683	0.161	30.9%	0.402	1.235	0.833	207.6%	1.294	0.059	4.8%

**Notes:**

- a) 2014 rates are based on PG&E's 2014 April Transportation Rate Change Filing (Advice Letter 3374-G), the 2014 GT&S Rate Components filed in Advice Letter 3360-G, and the Pipeline Safety Enhancement Plan Update rates filed in A.13-10-017.
- b) 2016 rates are based on PG&E's 2016 Annual Gas True-up (AGT) filing per Advice Letter 3664-G and Gas Accord V rates filed in Advice Letter 3664-G.
- c) PG&E's bundled gas service is available to core customers only. Intrastate backbone transmission and storage costs addressed in this proceeding, are included in end use rates paid by bundled core customers. Bundled service also includes a procurement cost for gas purchases, shrinkage, transportation on Canadian and Interstate pipelines, core brokerage, and franchise fees and uncollectibles expense. The illustrative annual average rates for these elements are based on the illustrative revenue requirements shown on PG&E's Preliminary Statement Part C2, last updated with Advice Letter 3664-G. Core bundled rates also includes the cost of transportation and delivery of gas from the citygate to the customer's burner tip, including local transmission, distribution, customer access, public purpose, and mandated programs and other charges.
- d) PG&E's transportation-only gas service is for core and noncore customers. Transportation-only service begins at PG&E's citygate and includes the applicable costs of gas transportation and delivery on PG&E's local transmission, including distribution, customer access, public purpose programs and customer class charges. Transportation-only rates exclude backbone transmission and storage costs.
- e) Rates are class average rates. Actual transportation rates will vary depending on the customer's load factor and seasonal usage.  
Dollar difference are due to rounding.

**2015 Gas Transmission and Storage Ratecase  
Adopted Safety Program Costs (\$850 Million)**  
Includes Amortization of 2015-2016 Revenue Undercollection in GT&S Rates

Updated Appendix G: Table 16A revised  
PACIFIC GAS AND ELECTRIC COMPANY

Illustrative End-Use Noncore and Wholesale Class Average Rates with Procurement Proxy (a)(\$/dth) (d)

Line No.	Rates Effective April 1, 2014 with Adopted 2014 GT&S Components and PSEP Update (a)	Rates Effective April 1, 2014 with Adopted 2015 GT&S (Year 2015 Components)	\$ Change (d)	% Change	Rates Effective January 1, 2016	Rates Effective January 1, 2016 with Adopted 2015 GT&S (Year 2016 Components)	\$ Change (d)	% Change	Rates Effective January 1, 2016 with Adopted 2015 GT&S (Year 2017 Components)	\$ Change (d)	% Change	
<b>Noncore Retail with Procurement Proxy</b>												
1	Industrial - Distribution	5.853	6.042	0.189	3.2%	5.692	6.776	1.084	19.0%	6.859	0.083	1.2%
2	Industrial - Transmission	4.838	5.021	0.182	3.8%	4.095	5.160	1.066	26.0%	5.243	0.082	1.6%
3	Industrial - Backbone	4.448	4.380	(0.067)	-1.5%	3.763	3.905	0.142	3.8%	3.926	0.021	0.5%
4	Uncompressed Noncore NGV - Distribution	5.737	5.926	0.189	3.3%	5.498	6.506	1.008	18.3%	6.665	0.159	2.4%
5	Uncompressed Noncore NGV - Transmission	4.718	4.900	0.182	3.9%	3.920	4.985	1.065	27.2%	5.068	0.083	1.7%
6	Electric Generation - Distribution/Transmission	4.466	4.653	0.187	4.2%	3.672	4.756	1.084	29.5%	4.828	0.072	1.5%
7	Electric Generation - Backbone	4.132	4.073	(0.059)	-1.4%	3.431	3.588	0.157	4.6%	3.808	0.020	0.5%
<b>Wholesale with Procurement Proxy</b>												
8	Alpine Natural Gas	4.455	4.620	0.165	3.7%	3.670	4.698	1.027	28.0%	4.779	0.081	1.7%
9	Coalinga	4.464	4.623	0.160	3.6%	3.679	4.698	1.019	27.7%	4.779	0.081	1.7%
10	Island Energy	4.655	4.732	0.076	1.6%	3.875	4.707	0.832	21.5%	4.782	0.075	1.6%
11	Palo Alto	4.414	4.598	0.183	4.1%	3.629	4.696	1.067	29.4%	4.778	0.082	1.8%
12	West Coast Gas - Castle	5.562	5.677	0.115	2.1%	5.703	6.637	0.933	16.4%	6.715	0.079	1.2%
13	West Coast Gas - Mather D	5.832	5.973	0.141	2.4%	5.271	7.261	0.991	15.8%	7.342	0.081	1.1%
14	West Coast Gas - Mather T	4.492	4.633	0.141	3.1%	3.708	4.699	0.991	26.7%	4.778	0.081	1.7%

Notes:

- a) Proxy based on average core gas commodity costs and Canadian, interstate, intrastate backbone and transmission shrinkage costs in PG&E's G-NGV1 procurement rate.
- b) 2014 rates are based on PG&E's 2014 April Transportation Rate Change Filing (Advice Letter 3374-G), the 2014 GT&S Rate Components filed in Advice Letter 3360-G, and the Pipeline Safety Enhancement Plan Update rates filed in A.13-10-017.
- c) 2016 rates are based on PG&E's 2016 Annual Gas True-up (AGT) filing per Advice Letter 3864-G and Gas Accord V rates filed in Advice Letter 3864-G.
- d) Rates are class average rates. Actual transportation rates will vary depending on the customer's load factor and seasonal usage.

Dollar difference are due to rounding.

**2015 Gas Transmission and Storage Ratecase  
Adopted Safety Program Costs (\$850 Million)**

**Includes Amortization of 2015-2016 Revenue Undercollection in GT&S Rates**

**Updated Appendix G: Table 20A revised**

**Rates Effective January 1, 2016 with Adopted 2015 GT&S (Year 2016 Components) By End-Use Customer Class (a)(b)  
(\$/dth)**

	Core (a)					Noncore Transportation						
	Res	Small	Large	Uncomp.	Comp.	Industrial			Natural Gas Vehicle		Electric Gen	
		Comm	Comm	NGV	NGV	Dist	Trans	BB	Dist	Trans	D/T	BB
End-Use Transportation:												
Local Transmission & Rate Adders	2.7104	2.7104	2.7104	2.7104	2.7104	1.1595	1.1595	0.0000	1.1595	1.1595	1.1595	0.0000
Distribution (b)	7.1577	3.1647	1.3674	0.7153	13.0056	1.4937	0.0943	0.0000	1.4937	0.0000	0.0296	0.0296
Mandated Customer Programs and Other Charges:												
Self Generation Incentive Program	0.0091	0.0091	0.0091	0.0091	0.0091	0.0091	0.0091	0.0091	0.0091	0.0091	0.0091	0.0091
CPUC Fee	0.0203	0.0203	0.0203	0.0203	0.0203	0.0203	0.0203	0.0203	0.0203	0.0203	0.0112	0.0112
Balancing Accounts	2.2183	1.2650	0.5969	0.4015	3.9001	0.1161	0.0907	0.0890	0.1161	0.0890	0.0724	0.0724
Volumetric End-Use Rate	12.1158	7.1694	4.7040	3.8565	19.6455	2.7986	1.3738	0.1184	2.7986	1.2779	1.2817	0.1223
Customer/ Customer Access Charge (c)	0.0000	0.5688	0.0449	0.0120	0.0000	0.0762	0.0008	0.0006	0.0005	0.0002	0.0111	0.0020
Total End-Use Rate	12.1158	7.7583	4.7489	3.8685	19.6455	2.8748	1.3746	0.1190	2.7991	1.2780	1.2928	0.1242
Gas Public Purpose Program Surcharge	1.0197	0.4371	1.0273	0.2433	0.2433	0.4379	0.3222	0.3222	0.2433	0.2433	0.0000	0.0000
Total Rate	13.1355	8.1954	5.7762	4.1118	19.8888	3.3127	1.6968	0.4412	3.0424	1.5213	1.2928	0.1242
<b>Procurement Charges for Core Bundled Customers:</b>												
Storage	0.3586	0.3021	0.2094	0.1963	0.1963							
Backbone Capacity	0.4194	0.3497	0.2247	0.2177	0.2177							
Backbone Usage	0.1122	0.1122	0.1122	0.1122	0.1122							
WACOG	2.4353	2.4353	2.4353	2.4353	2.4353							
Interstate Capacity and Other	0.8004	0.6974	0.5125	0.5021	0.5021							
Total Core Procurement	4.1259	3.8967	3.4941	3.4637	3.4637							
Total Core Bundled Rates	17.2614	12.0921	9.2703	7.5755	23.3525							

	Wholesale Transportation					WCG	WCG
	Alpine	Coalinga	Island Energy	Palo Alto	WCG Castle	Mather Dist	Mather Trans
End-Use Transportation:							
Local Transmission & Rate Adders	1.1595	1.1595	1.1595	1.1595	1.1595	1.1595	1.1595
Distribution (b)	0.0000	0.0000	0.0000	0.0000	1.9031	2.5200	0.0000
Mandated Customer Programs and Other Charges:							
Self Generation Incentive Program	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
CPUC Fee	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Balancing Accounts	0.0717	0.0717	0.0717	0.0717	0.1038	0.1142	0.0717
Volumetric End-Use Rate	1.2312	1.2312	1.2312	1.2312	3.1664	3.7938	1.2312
Customer/ Customer Access Charge (c)	0.0027	0.0029	0.0121	0.0008	0.0065	0.0038	0.0038
Total End-Use Rate	1.2338	1.2341	1.2433	1.2320	3.1729	3.7975	1.2350
Gas Public Purpose Program Surcharge	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total Rate	1.2338	1.2341	1.2433	1.2320	3.1729	3.7975	1.2350

**Notes:**

- a) Class average rates reflect load shape for bundled core.
- b) Distribution rates represent the annual class average.
- c) Customer access and customer charges represent the class average volumetric equivalent of the monthly charge.

**2015 Gas Transmission and Storage Ratecase  
Adopted Safety Program Costs (\$850 Million)**

**Includes Amortization of 2015-2016 Revenue Undercollection in GT&S Rates**

**Appendix G: NEW Table 20C**

**Rates Effective January 1, 2016 with Adopted 2015 GT&S (Year 2017 Components) By End-Use Customer Class (a)(b)  
(\$/dth)**

	Core (a)					Noncore Transportation						
	Res	Small	Large	Uncomp.	Comp.	Industrial			Natural Gas Vehicle		Electric Gen	
		Comm	Comm	NGV	NGV	Dist	Trans	BB	Dist	Trans	D/T	BB
End-Use Transportation:												
Local Transmission & Rate Adders	2.8381	2.8381	2.8381	2.8381	2.8381	1.2208	1.2208	0.0000	1.2208	1.2208	1.2208	0.0000
Distribution (b)	7.1577	3.1647	1.3674	0.7153	13.0056	1.5271	0.0943	0.0000	1.5271	0.0000	0.0296	0.0296
Mandated Customer Programs and Other Charges:	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Self Generation Incentive Program	0.0091	0.0091	0.0091	0.0091	0.0091	0.0091	0.0091	0.0091	0.0091	0.0091	0.0091	0.0091
CPUC Fee	0.0203	0.0203	0.0203	0.0203	0.0203	0.0203	0.0203	0.0203	0.0203	0.0203	0.0112	0.0112
Balancing Accounts	2.2183	1.2650	0.5969	0.4015	3.9001	0.1161	0.0907	0.0890	0.1161	0.0890	0.0724	0.0724
Volumetric End-Use Rate	12.2435	7.2971	4.8317	3.9842	19.7732	2.8934	1.4351	0.1184	2.8934	1.3392	1.3430	0.1223
Customer/ Customer Access Charge (c)	0.0000	0.5888	0.0449	0.0120	0.0000	0.0427	0.0003	0.0002	0.0427	0.0003	0.0002	0.0001
Total End-Use Rate	12.2435	7.8860	4.8766	3.9962	19.7732	2.9361	1.4354	0.1186	2.9361	1.3395	1.3432	0.1223
Gas Public Purpose Program Surcharge	1.0197	0.4371	1.0273	0.2433	0.2433	0.4379	0.3222	0.3222	0.2433	0.2433	0.0000	0.0000
Total Rate	13.2632	8.3231	5.9039	4.2395	20.0165	3.374	1.758	0.441	3.179	1.583	1.343	0.122
<b>Procurement Charges for Core Bundled Customers:</b>												
Storage	0.3665	0.3088	0.2140	0.2007	0.2007							
Backbone Capacity	0.4661	0.3886	0.2497	0.2419	0.2419							
Backbone Usage	0.1052	0.1052	0.1052	0.1052	0.1052							
WACOG	2.4353	2.4353	2.4353	2.4353	2.4353							
Interstate Capacity and Other	0.8004	0.6974	0.5125	0.5021	0.5021							
Total Core Procurement	4.1735	3.9353	3.5167	3.4852	3.4852							
Total Core Bundled Rates	17.4367	12.2584	9.4206	7.7247	23.5017							

	Wholesale Transportation					WCG	WCG
	Alpine	Coalinga	Island Energy	Palo Alto	WCG Castle	Mather Dist	Mather Trans
End-Use Transportation:							
Local Transmission & Rate Adders	1.2208	1.2208	1.2208	1.2208	1.2208	1.2208	1.2208
Distribution (b)	0.0000	0.0000	0.0000	0.0000	1.9031	2.5200	0.0000
Mandated Customer Programs and Other Charges:	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Self Generation Incentive Program	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
CPUC Fee	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Balancing Accounts	0.0717	0.0717	0.0717	0.0717	0.1038	0.1142	0.0717
Volumetric End-Use Rate	1.2925	1.2925	1.2925	1.2925	3.2278	3.8551	1.2925
Customer/ Customer Access Charge (c)	0.0010	0.0011	0.0047	0.0003	0.0025	0.0014	0.0014
Total End-Use Rate	1.2935	1.2937	1.2972	1.2928	3.2303	3.8566	1.2940
Gas Public Purpose Program Surcharge	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total Rate	1.2935	1.2937	1.2972	1.2928	3.2303	3.8566	1.2940

**Notes:**

- a) Class average rates reflect load shape for bundled core.
- b) Distribution rates represent the annual class average.
- c) Customer access and customer charges represent the class average volumetric equivalent of the monthly charge.

**2015 Gas Transmission and Storage Ratecase  
Adopted Safety Program Costs (\$850 Million)**

Includes Amortization of 2015-2016 Revenue Undercollection in GT&S Rates  
**Illustrative Rates**

**Updated Appendix G: Table 21 revised  
Firm Backbone Transportation  
Annual Rates (AFT) -- SFV Rate Design  
On-System Transportation Service**

		GA V	Interim	2015 GT&S Rates		
		2014	2016	2015	2016	2017
<b><u>Redwood Path - Core (1)</u></b>						
Reservation Charge	(\$/dth/mo)	6.3780	7.0192	7.9157	12.5566	13.5011
Usage Charge	(\$/dth)	0.0092	0.0074	0.0008	0.0011	0.0011
Total	(\$/dth @ Full Contract)	0.2188	0.2382	0.2610	0.4139	0.4450
<b><u>Baja Path - Core (1)</u></b>						
Reservation Charge	(\$/dth/mo)	7.5567	8.2215	9.1287	13.7700	14.7147
Usage Charge	(\$/dth)	0.0104	0.0087	0.0009	0.0012	0.0012
Total	(\$/dth @ Full Contract)	0.2588	0.2790	0.3010	0.4539	0.4850
<b><u>Redwood Path - Noncore</u></b>						
Reservation Charge	(\$/dth/mo)	7.8577	8.6209	9.5935	14.1995	15.2698
Usage Charge	(\$/dth)	0.0080	0.0061	0.0008	0.0010	0.0010
Total	(\$/dth @ Full Contract)	0.2663	0.2896	0.3162	0.4678	0.5031
<b><u>Baja Path - Noncore</u></b>						
Reservation Charge	(\$/dth/mo)	9.0486	9.8356	10.8072	15.4136	16.4640
Usage Charge	(\$/dth)	0.0088	0.0070	0.0009	0.0011	0.0011
Total	(\$/dth @ Full Contract)	0.3063	0.3304	0.3562	0.5078	0.5431
<b><u>Silverado and Mission Paths</u></b>						
Reservation Charge	(\$/dth/mo)	4.4293	4.8477	5.8594	8.6517	9.2999
Usage Charge	(\$/dth)	0.0082	0.0063	0.0006	0.0008	0.0008
Total	(\$/dth @ Full Contract)	0.1538	0.1657	0.1933	0.2852	0.3066

**Notes:**

- Rates are only the backbone transmission charge component of the transmission service. They exclude local transmission charges, mandated customer programs and other charges, customer access charges, distribution charges, storage charges, and shrinkage charges.
- The "Total" rows represent the average backbone transmission charge incurred by a firm shipper that uses its full contract quantity at a 100 percent load factor.
- Customers delivering gas to storage pay the applicable backbone transmission on-system rate from Redwood, Baja and Silverado.
- Dollar difference are due to rounding.

**2015 Gas Transmission and Storage Ratecase**

**Adopted Safety Program Costs (\$850 Million)**

Includes Amortization of 2015-2016 Revenue Undercollection in GT&S Rates

**Illustrative Rates**

**Updated Appendix G: Table 22 revised  
Firm Backbone Transportation  
Annual Rates (AFT) -- MFV Rate Design  
On-System Transportation Service**

		GA V 2014	Interim 2016		2015	2016	2017
				2015 GT&S Rates			
<b><u>Redwood Path - Core (1)</u></b>							
Reservation Charge	(\$/dth/mo)	4.5126	4.9663		5.8514	9.8233	10.9375
Usage Charge	(\$/dth)	0.0705	0.0749		0.0687	0.0910	0.0854
Total	(\$/dth @ Full Contract)	0.2188	0.2382		0.2610	0.4139	0.4450
<b><u>Baja Path - Core (1)</u></b>							
Reservation Charge	(\$/dth/mo)	5.3466	5.8170		6.7480	10.7726	11.9207
Usage Charge	(\$/dth)	0.0831	0.0878		0.0792	0.0997	0.0931
Total	(\$/dth @ Full Contract)	0.2588	0.2790		0.3010	0.4539	0.4850
<b><u>Redwood Path - Noncore</u></b>							
Reservation Charge	(\$/dth/mo)	5.2050	5.7105		6.5474	10.8532	11.8143
Usage Charge	(\$/dth)	0.0952	0.1018		0.1009	0.1110	0.1146
Total	(\$/dth @ Full Contract)	0.2663	0.2896		0.3162	0.4678	0.5031
<b><u>Baja Path - Noncore</u></b>							
Reservation Charge	(\$/dth/mo)	5.9939	6.5151		7.3757	11.7812	12.7537
Usage Charge	(\$/dth)	0.1093	0.1162		0.1137	0.1205	0.1238
Total	(\$/dth @ Full Contract)	0.3063	0.3304		0.3562	0.5078	0.5431
<b><u>Silverado and Mission Paths</u></b>							
Reservation Charge	(\$/dth/mo)	3.1566	3.4544		4.0753	6.7498	7.2914
Usage Charge	(\$/dth)	0.0500	0.0522		0.0593	0.0633	0.0669
Total	(\$/dth @ Full Contract)	0.1538	0.1657		0.1933	0.2852	0.3066

**Notes:**

- Rates are only the backbone transmission charge component of the transmission service. They exclude local transmission charges, mandated customer programs and other charges, customer access charges, distribution charges, storage charges, and shrinkage charges.
- The "Total" rows represent the average backbone transmission charge incurred by a firm shipper that uses its full contract quantity at a 100 percent load factor.
- Customers delivering gas to storage pay the applicable backbone transmission on-system rate from Redwood, Baja and Silverado.
- Dollar difference are due to rounding.

**2015 Gas Transmission and Storage Ratecase  
Adopted Safety Program Costs (\$850 Million)**

Includes Amortization of 2015-2016 Revenue Undercollection in GT&S Rates  
Illustrative Rates

**Updated Appendix G: Table 23 revised  
Firm Backbone Transportation  
Seasonal Rates (SFT) -- SFV Rate Design  
On-System Transportation Service**

		GA V	Interim	2015 GT&S Rates		
		2014	2016	2015	2016	2017
<b>Redwood Path</b>						
Reservation Charge	(\$/dlh/mo)	9.4293	10.3450	11.5122	17.0394	18.3238
Usage Charge	(\$/dlh)	0.0096	0.0074	0.0009	0.0012	0.0012
Total	(\$/dlh @ Full Contract)	0.3196	0.3475	0.3794	0.5614	0.6037
<b>Baja Path - Core (1)</b>						
Reservation Charge	(\$/dlh/mo)	9.0680	9.8658	10.9544	16.5240	17.6577
Usage Charge	(\$/dlh)	0.0125	0.0104	0.0011	0.0014	0.0015
Total	(\$/dlh @ Full Contract)	0.3106	0.3348	0.3613	0.5447	0.5820
<b>Baja Path - Noncore</b>						
Reservation Charge	(\$/dlh/mo)	10.8584	11.8027	12.9686	18.4963	19.7808
Usage Charge	(\$/dlh)	0.0106	0.0084	0.0010	0.0013	0.0013
Total	(\$/dlh @ Full Contract)	0.3676	0.3964	0.4274	0.6094	0.6517
<b>Silverado and Mission Paths</b>						
Reservation Charge	(\$/dlh/mo)	5.3151	5.8173	7.0312	10.3821	11.1599
Usage Charge	(\$/dlh)	0.0098	0.0076	0.0008	0.0010	0.0010
Total	(\$/dlh @ Full Contract)	0.1846	0.1989	0.2319	0.3423	0.3679

**Notes:**

- Firm Seasonal rates are 120 percent of Firm Annual rates.
- Rates are only the backbone transmission charge component of the transmission service. They include exclude local transmission charges, mandated customer programs and other charges, customer access charges, distribution charges, storage charges, and shrinkage charges.
- The "Total" rows represent the average backbone transmission charge incurred by a firm shipper that uses its full contract quantity at a 100 percent load factor.
- Customers delivering gas to storage pay the applicable backbone transmission on-system rate from Redwood, Baja and Silverado.
- Firm seasonal service is available to on-system paths for a minimum term of three consecutive months in one season. Winter season is November through March. Summer season is April through October.
- Dollar difference are due to rounding.

**2015 Gas Transmission and Storage Ratecase  
Adopted Safety Program Costs (\$850 Million)**

**Includes Amortization of 2015-2016 Revenue Undercollection in GT&S Rates  
Illustrative Rates**

**Updated Appendix G: Table 24 revised**

**Firm Backbone Transportation  
Seasonal Rates (SFT) -- MFV Rate Design  
On-System Transportation Service**

		GA V 2013	GA V 2014	Interim 2016		2015	2015 GT&S Rates 2016	2017
<b><u>Redwood Path</u></b>								
Reservation Charge	(\$/dth/mo)	6.2501	6.2460	6.8526		7.8568	13.0239	14.1772
Usage Charge	(\$/dth)	0.1159	0.1142	0.1222		0.1211	0.1332	0.1376
Total	(\$/dth @ Full Contract)	0.3213	0.3196	0.3475		0.3794	0.5614	0.6037
<b><u>Baja Path - Core (1)</u></b>								
Reservation Charge	(\$/dth/mo)	6.2731	6.4159	6.9804		8.0976	12.9271	14.3048
Usage Charge	(\$/dth)	0.0952	0.0997	0.1053		0.0950	0.1197	0.1117
Total	(\$/dth @ Full Contract)	0.3015	0.3106	0.3348		0.3613	0.5447	0.5820
<b><u>Baja Path - Noncore</u></b>								
Reservation Charge	(\$/dth/mo)	7.0744	7.1926	7.8182		8.8508	14.1374	15.3045
Usage Charge	(\$/dth)	0.1308	0.1311	0.1394		0.1364	0.1446	0.1485
Total	(\$/dth @ Full Contract)	0.3633	0.3676	0.3964		0.4274	0.6094	0.6517
<b><u>Silverado and Mission Paths</u></b>								
Reservation Charge	(\$/dth/mo)	3.7710	3.7879	4.1453		4.8903	8.0997	8.7497
Usage Charge	(\$/dth)	0.0594	0.0601	0.0626		0.0712	0.0760	0.0802
Total	(\$/dth @ Full Contract)	0.1834	0.1846	0.1989		0.2319	0.3423	0.3679

**Notes:**

- Firm Seasonal rates are 120 percent of Firm Annual rates.
- Rates are only the backbone transmission charge component of the transmission service. They exclude local transmission charges, mandated customer programs and other charges, customer access charges, distribution charges, storage charges, and shrinkage charges.
- The "Total" rows represent the average backbone transmission charge incurred by a firm shipper that uses its full contract quantity at a 100 percent load factor.
- Customers delivering gas to storage pay the applicable backbone transmission on-system rate from Redwood, Baja and Silverado.
- Firm seasonal service is available to on-system paths for a minimum term of three consecutive months in one season. Winter season is November through March. Summer season is April through October.
- Dollar difference are due to rounding.

**2015 Gas Transmission and Storage Ratecase  
Adopted Safety Program Costs (\$850 Million)**

**Includes Amortization of 2015-2016 Revenue Undercollection in GT&S Rates  
Illustrative Rates**

**Updated Appendix G: Table 25 revised**

**As-Available Backbone Transportation  
On-System Transportation Service**

		<u>GA V 2014</u>	<u>Interim 2016</u>		<u>2015</u>	<u>2015 GT&amp;S Rates 2016</u>	<u>2017</u>
<b><u>Redwood Path</u></b>							
Usage Charge	(\$/dth)	0.3196	0.3475		0.3794	0.5614	0.6037
<b><u>Baja Path</u></b>							
Usage Charge	(\$/dth)	0.3676	0.3964		0.4274	0.6094	0.6517
<b><u>Silverado Path</u></b>							
Usage Charge	(\$/dth)	0.1846	0.1989		0.2319	0.3423	0.3679
<b><u>Mission Path</u></b>							
Usage Charge	(\$/dth)	0.0000	0.0000		0.0000	0.0000	0.0000

**Notes:**

- a) As-Available rates are 120 percent of Firm Annual rates.
- b) Rates are only the backbone transmission charge component of the transmission service. They exclude local transmission charges, mandated customer programs and other charges, customer access charges, distribution charges, storage charges, and shrinkage charges.
- c) Mission path service represents on-system storage to on-system transportation. Customers delivering gas to storage facilities pay the applicable backbone transmission on-system rate from Redwood, Baja or Silverado.
- d) Dollar difference are due to rounding.

**2015 Gas Transmission and Storage Ratecase  
Adopted Safety Program Costs (\$850 Million)**

Includes Amortization of 2015-2016 Revenue Undercollection in GT&S Rates  
Illustrative Rates

**Updated Appendix G: Table 26 revised  
Backbone Transportation  
Annual Rates (AFT-Off)  
Off-System Deliveries**

		GA V	Interim	2015 GT&S Rates		
		2014	2016	2015	2016	2017
<b>SFV Rate Design</b>						
<b>Redwood, Silverado and Mission Paths Off-System</b>						
Reservation Charge	(\$/dth/mo)	7.8577	8.6209	9.5935	14.1995	15.2698
Usage Charge	(\$/dth)	0.0080	0.0061	0.0008	0.0010	0.0010
Total	(\$/dth @ Full Contract)	0.2663	0.2896	0.3162	0.4678	0.5031
<b>Baja Path Off-System</b>						
Reservation Charge	(\$/dth/mo)	9.0486	9.8356	10.8072	15.4136	16.4840
Usage Charge	(\$/dth)	0.0088	0.0070	0.0009	0.0011	0.0011
Total	(\$/dth @ Full Contract)	0.3063	0.3304	0.3562	0.5078	0.5431
<b>MFV Rate Design</b>						
<b>Redwood, Silverado and Mission Paths Off-System</b>						
Reservation Charge	(\$/dth/mo)	5.2050	5.7105	6.5474	10.8532	11.8143
Usage Charge	(\$/dth)	0.0952	0.1018	0.1009	0.1110	0.1146
Total	(\$/dth @ Full Contract)	0.2663	0.2896	0.3162	0.4678	0.5031
<b>Baja Path Off-System</b>						
Reservation Charge	(\$/dth/mo)	5.9939	6.5151	7.3757	11.7812	12.7537
Usage Charge	(\$/dth)	0.1093	0.1162	0.1137	0.1205	0.1238
Total	(\$/dth @ Full Contract)	0.3063	0.3304	0.3562	0.5078	0.5431
<b>As-Available Service</b>						
<b>Redwood, Silverado, and Mission Paths, (From Citygate) Off-System - Noncore</b>						
Usage Charge	(\$/dth)	0.3196	0.3475	0.3794	0.5614	0.6037
<b>Mission Paths (From on-system storage) Off-System</b>						
Usage Charge	(\$/dth)	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Baja Path Off-System - Noncore</b>						
Usage Charge	(\$/dth)	0.3676	0.3964	0.4274	0.6094	0.6517

**Notes:**

- Rates are only the backbone transmission charge component of the transmission service. They exclude local transmission charges, mandated customer programs and other charges, customer access charges, distribution charges, storage charges, and shrinkage charges.
- The "Total" rows represent the average backbone transmission charge incurred by a firm shipper that uses its full contract quantity at a 100 percent load factor.
- California gas and storage to off-system are assumed to flow on Redwood path and are priced at the Redwood path rate.
- Dollar difference are due to rounding.

**2015 Gas Transmission and Storage Ratecase  
Adopted Safety Program Costs (\$850 Million)**

**Includes Amortization of 2015-2016 Revenue Undercollection in GT&S Rates  
Illustrative Rates**

**Updated Appendix G: Table 28 revised  
Storage Service Rates**

		GA V	Interim	2015 GT&S Rates		
		2014	2016	2015	2016	2017
<b><u>Core Firm Storage (G-CFS)</u></b>						
Reservation Charge	(\$/dth/mo)	\$0.126	\$0.1285	\$0.159	\$0.224	\$0.229
<b><u>Standard Firm Storage (G-SFS)</u></b>						
Reservation Charge	(\$/dth/mo)	\$0.240	\$0.2447	\$0.300	-\$0.139	-\$0.148
<b><u>Negotiated Firm Storage (G-NFS)</u></b>						
Injection	(\$/dth/d)	\$6.025	\$6.1457	\$5.795	-\$2.692	-\$2.858
Inventory	(\$/dth)	\$2.879	\$2.9366	\$3.598	-\$1.672	-\$1.775
Withdrawal	(\$/dth/d)	\$20.861	\$21.2779	\$26.488	-\$12.305	-\$13.065
<b><u>Negotiated As-Available Storage (G-NAS) - Maximum Rate</u></b>						
Injection	(\$/dth/d)	\$6.025	\$6.1457	\$5.795	-\$2.692	-\$2.858
Withdrawal	(\$/dth/d)	\$20.861	\$21.2779	\$26.488	-\$12.305	-\$13.065
<b><u>Market Center Services (Parking and Lending Services)</u></b>						
Maximum Daily Charge (\$/Dth/d)		\$1.099	\$1.1206	\$1.190	-\$0.936	-\$0.969
Minimum Rate (per transaction)		\$57.00	\$57.0000	\$57.00	\$57.00	\$57.00

**Notes:**

- Rates for storage services are based on the costs of storage injection, inventory and withdrawal.
- Core Firm Storage (G-CFS) and Standard Firm Storage (G-SFS) rates are a monthly reservation charge designed to recover one twelfth of the annual revenue requirement of injection, inventory and withdrawal storage.
- Negotiated Firm rates may be one-part rates (volumetric) or two-part rates (reservation and volumetric), as negotiated between parties. The volumetric equivalent is shown above.
- Negotiated As-Available Storage Injection and Withdrawal rates are recovered through a volumetric charge only.
- Negotiated rates (NFS and NAS) are capped at the price which will collect 100 percent of PG&E's total revenue requirement for the unbundled storage program under all three subfunctions (e.g. inventory, injection, or withdrawal). The maximum rates are based on a rate design assuming an average injection period of 30 days and an average withdrawal period of 7 days.
- Negotiated Firm and As-available services are negotiable above a price floor representing PG&E's marginal costs of providing the service.
- The maximum charge for parking and lending is based on the annual cost of cycling one Dth of Firm Storage Gas assuming the full 214 day injection season and 151 day withdrawal season.
- Gas Storage shrinkage will be applied in-kind on storage injections.
- Dollar difference are due to rounding.

**2015 Gas Transmission and Storage Ratecase**  
**Adopted Safety Program Costs (\$850 Million)**  
**Includes Amortization of 2015-2016 Revenue Undercollection in GT&S Rates**  
**Illustrative Rates**  
**Updated Appendix G: Table 29 revised**  
**Local Transmission Rates**  
**\$/dth**

Customer Groups	GA V 2013	GA V 2014	Interim 2016	2015 GT&S Rates		
				2015	2016	2017
Core Retail Local Transmission	0.4241	0.4333	0.4749	1.2914	2.7104	2.8381
Noncore Retail and Wholesale	0.1990	0.2121	0.2325	0.5763	1.1595	1.2208

**Notes:**

Allocation Method: Cold-Year Coincident Peak Month (December)

**2015 Gas Transmission and Storage Ratecase  
Adopted Safety Program Costs (\$850 Million)**

Includes Amortization of 2015-2016 Revenue Undercollection in GT&S Rates

Illustrative Rates

**Updated Appendix G: Table 30 revised  
Customer Access Charge Rates  
(\$ per Month)**

		<u>GA V 2014</u>	<u>Interim 2016</u>		<u>2015</u>	<u>2015 GT&amp;S Rates 2016</u>	<u>2017</u>
<b><u>G-EG / G-NT (\$/month)</u></b>							
	(Therms/Month)						
Tier 1	0 to 5,000	\$60.90	\$62.12	!	\$33.00	\$2.80	\$1.07
Tier 2	5,001 to 10,000	\$181.41	\$185.04	!	\$98.30	\$8.33	\$3.19
Tier 3	10,001 to 50,000	\$337.64	\$344.40	!	\$182.96	\$15.50	\$5.94
Tier 4	50,001 to 200,000	\$443.12	\$451.98	!	\$240.12	\$20.35	\$7.80
Tier 5	200,001 to 1,000,000	\$642.93	\$655.79	!	\$348.39	\$29.52	\$11.31
Tier 6	1,000,001 and above	\$5,453.67	\$5,562.75	!	\$2,955.27	\$250.40	\$95.95
<b><u>Wholesale (\$/month)</u></b>							
Alpine		\$323.79	\$330.27	!	\$158.04	\$13.39	\$5.13
Coalinga		\$1,431.99	\$1,460.63	!	\$698.97	\$59.22	\$22.69
Island Energy		\$970.23	\$989.63	!	\$473.58	\$40.13	\$15.38
Palo Alto		\$4,774.56	\$4,870.05	!	\$2,330.54	\$197.47	\$75.67
West Coast Gas - Castle		\$831.84	\$848.48	!	\$406.03	\$34.40	\$13.18
West Coast Gas - Mather		\$760.18	\$775.38	!	\$371.06	\$31.44	\$12.05

**Notes:**

- a) The 2011-2014 CAC revenue requirements are established in this GT&S Rate Case proceeding. The rate design for the customer access charge may be addressed in PG&E's Biennial Cost Allocation Proceedings (BCAP).

**2015 Gas Transmission and Storage Ratecase  
Adopted Safety Program Costs (\$850 Million)  
Includes Amortization of 2015-2016 Revenue Undercollection in GT&S Rates**

**Updated Appendix G: Table 33A revised  
PACIFIC GAS AND ELECTRIC COMPANY**

**Illustrative Bill Impact of Adopted 2016 and 2017 Rates Compared to 2016 AGT Rates and Proposed 2016 GT&S Rates**

<b>RESIDENTIAL CLASS</b>		Rates Effective January 1, 2016 (A)	Rates Effective January 1, 2016 with Adopted 2015 GT&S (Year 2016 Components) (B)	Rates Effective January 1, 2016 with Adopted 2015 GT&S (Year 2017 Components) (C)
Line No.				
1	Non-CARE Residential Illustrative Bundled Rate* (\$/th)	\$1.37074	\$1.62417	\$1.64170
2	State-Mandated Residential Public Purpose Program Surcharge (\$/th)	\$0.10197	\$0.10197	\$0.10197
3	End-User Total Rate and Surcharge (\$/th)	\$1.47271	\$1.72614	\$1.74367
4	Average Monthly Use per Residential Customer (therms)	34	34	34
5	Present Average Non-CARE Residential Customer Monthly Bill (\$)	\$50.07	\$58.69	\$59.28
6	Change in Average Non-CARE Residential Bill		\$8.62	\$0.59
7	% Change in Average Annual Non-CARE Residential Bill		17.2%	1.0%
<b>SMALL COMMERCIAL CLASS</b>		Rates Effective January 1, 2016 (A)	Rates Effective January 1, 2016 with Adopted 2015 GT&S (Year 2016 Components) (B)	Rates Effective January 1, 2016 with Adopted 2015 GT&S (Year 2017 Components) (C)
8	Non-CARE Small Commercial Illustrative Bundled Rate* (\$/th)	\$0.91699	\$1.16550	\$1.18213
9	State-Mandated Small Commercial Public Purpose Program Surcharge (\$/th)	\$0.04371	\$0.04371	\$0.04371
10	End-User Total Rate and Surcharge (\$/th)	\$0.96070	\$1.20921	\$1.22584
11	Average Monthly Use per Small Commercial Customer (therms)	284	284	284
12	Present Average Non-CARE Small Commercial Customer Monthly Bill (\$)	\$272.84	\$343.42	\$348.14
13	Change in Average Non-CARE Small Commercial Bill		\$70.58	\$4.72
14	% Change in Average Annual Non-CARE Small Commercial Bill		25.9%	1.4%

\* CARE customers receive a discount of 20% off of PG&E's bundled residential rates and are exempt from paying CARE-related portions of PG&E's G-PPPS rates.

**2015 GT&S Rate Case  
Summary of Illustrative Rate Table Changes**

Appendix J	Table Name	Tables in Proposed Decision (Appendix J)	Scenario C	Scenario D
			<u>Without</u> \$850 applied Amortization in End-Use Rates (Appendix J)	<u>Without</u> \$850 applied Amortization in GT&S RRQ/Rates (Appendix J)
Table 1	Illustrative End-use Class Average Rates	Updated to include 2017 (Table 1 revised)	Includes Amortization (Table 1A revised)	Includes Amortization (Table 1A revised)
Table 2	Illustrative End-Use Noncore and Wholesale Class Average Rates with Procurement Proxy	Updated to include 2017 (Table 2 revised)	Includes Amortization (Table 2A revised)	Includes Amortization (Table 2A revised)
Table 3	2014 Average Rate Detail with 2014 GT&S and PSEP Components by End-Use Customer Class	No updates	No updates	No updates
Table 4	2014 Average Rate Detail with Proposed 2015 GT&S Components by End-Use Customer Class	No updates	No updates	No updates
Table 5	2016 AGT with Interim 2015 Gas Accord V (2014 Rev.Req plus 2% escalator)	No updates	No updates	No updates
Table 6	2016 Average Rate Detail with Adopted 2015 GT&S (Year 2016) By End-Use Customer Class	No updates	Includes Amortization (Table 6A revised)	Includes Amortization (Table 6A revised)
NEW Tables 6B-C	2016 Average Rate Detail with Adopted 2015 GT&S (Year 2017) By End-Use Customer Class	NEW Tables 6B (2017 Average Rate Details)	NEW Tables 6C (2017 Average Rate Details)	NEW Tables 6C (2017 Average Rate Details)
Table 7	Firm Backbone Transportation Annual Rates (AFT) -- SFV Rate Design On-System Transportation Service	No updates	No updates	Includes Amortization (Table 7 revised)
Table 8	Firm Backbone Transportation Annual Rates (AFT) -- MFV Rate Design On-System Transportation Service	No updates	No updates	Includes Amortization (Table 8 revised)
Table 9	Firm Backbone Transportation Seasonal Rates (SFT) -- SFT Rate Design On-System Transportation Service	No updates	No updates	Includes Amortization (Table 9 revised)
Table 10	Firm Backbone Transportation Seasonal Rates (SFT) -- MFV Rate Design On-System Transportation Service	No updates	No updates	Includes Amortization (Table 10 revised)
Table 11	As-Available Backbone Transportation On- System Transportation Service	No updates	No updates	Includes Amortization (Table 11 revised)
Table 12	Backbone Transportation Annual Rates (AFT- Off) -- Off-System Deliveries	No updates	No updates	Includes Amortization (Table 12 revised)
Table 13	Firm Transportation Expansion Shippers -- Annual Rates (G-XF) SFV Rate Design	No updates	No updates	No updates
Table 14	Storage Service Rates	No updates	No updates	Includes Amortization
Table 15	Local Transmission Rates	No updates	No updates	Includes Amortization
Table 16	Customer Access Charge Rates (\$ per Month)	No updates	No updates	Includes Amortization (Table 16 revised)
Table 17	Self Balancing Credit (\$/dth)	No updates	No updates	No updates
Table 18	Illustrative Bill Impact of the Adopted 2015 GT&S Rates Compared to 2014 GA V Rates	No updates	No updates	No updates
Table 19	Illustrative Bill Impact of the Adopted 2016 GT&S Rates Compared to 2016 AGT Rates	Updated to include 2017 (Table 19 revised)	Includes Amortization (Table 19A revised)	Includes Amortization (Table 19A revised)

# Appendix J

Proposed Decision Tables  
Updated to Incorporate Year 2017

**2015 Gas Transmission and Storage Ratecase**  
**Adopted Safety Program Costs (Without \$850 Million)**  
**Proposed Decision Table Updated to Include 2017**

Updated Appendix J: Table 1 revised (before amortization of revenue undercollection)

**PACIFIC GAS AND ELECTRIC COMPANY**  
**Illustrative End-Use Class Average Rates (\$/dth) (e)**

Line No.	Rates Effective April 1, 2014 with Adopted 2014 GT&S Components and PSEP Update (a)		Rates Effective April 1, 2014 with Adopted 2015 GT&S (Year 2015 Components)		Rates Effective January 1, 2016 with Adopted 2015 GT&S (Year 2016 Components)				Rates Effective January 1, 2017 with Adopted 2015 GT&S (Year 2017 Components)			
			\$	%	Rates Effective January 1, 2016		\$	%		\$	%	
			Change (d)	Change			Change (d)	Change		Change (d)	Change	
<b>Core Retail Bundled Service (c)</b>												
1	Residential Non-CARE**/****	12.215	13.114	0.899	7.4%	14.727	16.301	1.574	10.7%	16.595	0.295	1.8%
2	Small Commercial Non-CARE**	9.372	10.247	0.875	9.3%	9.607	11.147	1.540	16.0%	11.433	0.286	2.6%
3	Large Commercial	7.296	8.148	0.852	11.7%	6.870	8.350	1.481	21.6%	8.620	0.270	3.2%
4	Uncompressed Core NGV	6.408	7.258	0.850	13.3%	5.183	6.658	1.475	28.5%	6.927	0.269	4.0%
5	Compressed Core NGV	18.941	19.791	0.850	4.5%	20.960	22.435	1.475	7.0%	22.704	0.269	1.2%
<b>Core Retail Transport Only (d)</b>												
6	Residential Non-CARE**/****	6.951	7.690	0.729	10.5%	10.900	12.275	1.375	12.6%	12.501	0.226	1.8%
7	Small Commercial	4.310	5.039	0.729	16.9%	5.980	7.335	1.375	23.1%	7.561	0.226	3.1%
8	Large Commercial	2.626	3.354	0.729	27.8%	3.541	4.916	1.375	38.8%	5.142	0.226	4.6%
9	Uncompressed Core NGV	1.731	2.459	0.729	42.1%	1.876	3.251	1.375	73.3%	3.477	0.226	6.9%
10	Compressed Core NGV	14.264	14.993	0.729	5.1%	17.653	19.029	1.375	7.8%	19.254	0.226	1.2%
<b>Noncore Retail Transportation Only (d)</b>												
11	Industrial - Distribution	1.883	2.162	0.279	14.8%	2.386	2.959	0.573	24.0%	3.059	0.101	3.4%
12	Industrial - Transmission	0.868	1.140	0.272	31.3%	0.768	1.352	0.564	71.6%	1.452	0.100	7.4%
13	Industrial - Backbone	0.477	0.430	(0.048)	-10.0%	0.457	0.449	-0.008	-1.7%	0.448	-0.001	-0.1%
14	Uncompressed Noncore NGV - Distribution	1.767	2.046	0.279	15.8%	2.191	2.764	0.573	26.1%	2.665	0.101	3.6%
15	Uncompressed Noncore NGV - Transmission	0.747	1.019	0.272	36.4%	0.613	1.177	0.564	92.0%	1.277	0.100	8.5%
16	Electric Generation - Distribution/Transmission	0.496	0.773	0.276	55.7%	0.366	0.934	0.568	155.4%	1.035	0.101	10.6%
17	Electric Generation - Backbone	0.162	0.123	(0.039)	-24.1%	0.124	0.124	0.000	0.1%	0.124	0.000	-0.1%
<b>Wholesale Transportation Only (d)</b>												
18	Alpine Natural Gas	0.485	0.739	0.254	52.4%	0.364	0.912	0.549	150.8%	1.011	0.099	10.8%
19	Coalinga	0.493	0.742	0.248	50.4%	0.373	0.916	0.544	145.9%	1.014	0.098	10.7%
20	Island Energy	0.685	0.845	0.160	23.3%	0.568	1.039	0.470	82.8%	1.131	0.092	8.9%
21	Palo Alto	0.444	0.717	0.273	61.4%	0.322	0.887	0.565	175.1%	0.987	0.100	11.3%
22	West Coast Gas - Castle	1.592	1.794	0.202	12.7%	2.397	2.899	0.503	21.0%	2.995	0.096	3.3%
23	West Coast Gas - Mather D	1.851	2.091	0.229	12.3%	2.964	3.490	0.526	17.7%	3.588	0.098	2.8%
24	West Coast Gas - Mather T	0.522	0.751	0.229	43.9%	0.402	0.927	0.526	130.9%	1.025	0.098	10.6%

**Notes:**

- a) 2014 rates are based on PG&E's 2014 April Transportation Rate Change Filing (Advice Letter 3374-G), the 2014 GT&S Rate Components filed in Advice Letter 3360-G, and the Pipeline Safety Enhancement Plan Update rates filed in A.13-10-017.
- b) 2016 rates are based on PG&E's 2016 Annual Gas True-up (AGT) filing per Advice Letter 3684-G and Gas Accord V rates filed in Advice Letter 3684-G.
- c) PG&E's bundled gas service is available to core customers only. Intrastate backbone transmission and storage costs addressed in this proceeding, are included in end use rates paid by bundled core customers. Bundled service also includes a procurement cost for gas purchases, shrinkage, transportation on Canadian and interstate pipelines, core brokerage, and franchise fees and uncollectibles expense. The illustrative annual average rates for these elements are based on the illustrative revenue requirements shown on PG&E's Preliminary Statement Part C2, last updated with Advice Letter 3664-G. Core bundled rates also includes the cost of transportation and delivery of gas from the citygate to the customer's burner tip, including local transmission, distribution, customer access, public purpose, and mandated programs and other charges.
- d) PG&E's transportation-only gas service is for core and noncore customers. Transportation-only service begins at PG&E's citygate and includes the applicable costs of gas transportation and delivery on PG&E's local transmission, including distribution, customer access, public purpose programs and customer class charges. Transportation-only rates exclude backbone transmission and storage costs.
- e) Rates are class average rates. Actual transportation rates will vary depending on the customer's load factor and seasonal usage.  
Dollar difference are due to rounding.

**2015 Gas Transmission and Storage Ratecase  
Adopted Safety Program Costs (Without \$850 Million)  
Proposed Decision Table Updated to Include 2017**

**Updated Appendix J: Table 2 revised (before amortization of revenue undercollection)**

**Illustrative End-Use Noncore and Wholesale Class Average Rates with Procurement Proxy (a)/(\$/dth) (d)**

Line No.	Rates Effective April 1, 2014 with Adopted 2014 GT&S Components and PSEP Update (a)				Rates Effective April 1, 2014 with Adopted 2015 GT&S (Year 2015 Components)				Rates Effective January 1, 2016 with Adopted 2015 GT&S (Year 2016 Components)				Rates Effective January 1, 2017 with Adopted 2015 GT&S (Year 2017 Components)		
	\$	% Change	\$ Change (d)	% Change	\$	% Change	\$ Change (d)	% Change	\$	% Change	\$ Change (d)	% Change	\$	% Change	
<b>Noncore Retail with Procurement Proxy</b>															
1	Industrial – Distribution	5.853		6.137	0.284	4.9%	5.692	6.365	0.673	11.8%	6.509	0.143	2.3%		
2	Industrial – Transmission	4.838		5.115	0.277	5.7%	4.095	4.759	0.664	16.2%	4.902	0.143	3.0%		
3	Industrial – Backbone	4.448		4.405	(0.042)	-1.0%	3.763	3.856	0.092	2.5%	3.898	0.042	1.1%		
4	Uncompressed Noncore NGV – Distribution	5.737		6.021	0.284	5.0%	5.488	6.171	0.673	12.2%	6.314	0.143	2.3%		
5	Uncompressed Noncore NGV – Transmission	4.718		4.995	0.277	5.9%	3.920	4.584	0.664	16.9%	4.727	0.143	3.1%		
6	Electric Generation – Distribution/Transmission	4.466		4.748	0.281	6.3%	3.672	4.341	0.668	18.2%	4.484	0.143	3.3%		
7	Electric Generation – Backbone	4.132		4.098	(0.034)	-0.8%	3.431	3.531	0.100	2.9%	3.574	0.043	1.2%		
<b>Wholesale with Procurement Proxy</b>															
8	Alpine Natural Gas	4.455		4.714	0.259	5.8%	3.670	4.319	0.649	17.7%	4.460	0.141	3.3%		
9	Coalinga	4.464		4.717	0.253	5.7%	3.679	4.323	0.644	17.5%	4.464	0.141	3.3%		
10	Island Energy	4.656		4.820	0.165	3.5%	3.875	4.445	0.570	14.7%	4.581	0.136	3.0%		
11	Palo Alto	4.414		4.692	0.278	6.3%	3.629	4.294	0.665	18.3%	4.437	0.143	3.3%		
12	West Coast Gas - Castle	5.562		5.799	0.206	3.7%	5.703	6.306	0.603	10.6%	6.445	0.139	2.2%		
13	West Coast Gas - Mather D	5.832		6.066	0.234	4.0%	6.271	6.896	0.626	10.0%	7.037	0.141	2.0%		
14	West Coast Gas - Mather T	4.492		4.726	0.234	5.2%	3.708	4.334	0.626	16.9%	4.475	0.141	3.2%		

**Notes:**

- a) Proxy based on average core gas commodity costs and Canadian, interstate, intrastate backbone and transmission shrinkage costs based on PG&E's G-NGV1 Procurement Rate.
- b) 2014 rates are based on PG&E's 2014 April Transportation Rate Change Filing (Advice Letter 3374-G), the 2014 GT&S Rate Components filed in Advice Letter 3360-G, and the Pipeline Safety Enhancement Plan Update rates filed in A-13-10-017.
- c) 2016 rates are based on PG&E's 2016 Annual Gas True-up (AGT) filing per Advice Letter 3664-G and Gas Accord V rates filed in Advice Letter 3664-G.
- d) Rates are class average rates. Actual transportation rates will vary depending on the customer's load factor and seasonal usage.

Dollar differences are due to rounding.

**2015 Gas Transmission and Storage Ratecase  
Adopted Safety Program Costs (Without \$850 Million)**

**Proposed Decision Table Updated to Include 2017**

**Appendix J: NEW Table 6B (before amortization of revenue undercollection)**

**Rates Effective January 1, 2016 with Adopted 2015 GT&S (Year 2017 Components) By End-Use Customer Class (a)(b)  
(\$/dth)**

	Core (a)					Noncore Transportation						
	Res	Small Comm	Large Comm	Uncomp. NGV	Comp. NGV	Industrial			Natural Gas Vehicle		Electric Gen	
						Dist	Trans	BB	Dist	Trans	D/T	BB
<b>End-Use Transportation:</b>												
Local Transmission & Rate Adders	2.0759	2.0759	2.0759	2.0759	2.0759	0.9060	0.9060	0.0000	0.9060	0.9060	0.9060	0.0000
Distribution (b)	7.1577	3.1647	1.3674	0.7153	13.0056	1.5291	0.0943	0.0000	1.5291	0.0000	0.0296	0.0296
Mandated Customer Programs and Other Charges:	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Self Generation Incentive Program	0.0091	0.0091	0.0091	0.0091	0.0091	0.0091	0.0091	0.0091	0.0091	0.0091	0.0091	0.0091
CPUC Fee	0.0203	0.0203	0.0203	0.0203	0.0203	0.0203	0.0203	0.0203	0.0203	0.0203	0.0112	0.0112
Balancing Accounts	2.2183	1.2650	0.5969	0.4015	3.9001	0.1161	0.0907	0.0890	0.1161	0.0890	0.0724	0.0724
Volumetric End-Use Rate	11.4813	6.5350	4.0696	3.2221	19.0111	2.5806	1.1203	0.1184	2.5806	1.0244	1.0282	0.1223
<b>Customer/ Customer Access Charge (c)</b>	0.0000	0.5888	0.0449	0.0120	0.0000	0.0407	0.0097	0.0078	0.0407	0.0097	0.0066	0.0020
Total End-Use Rate	11.4813	7.1238	4.1144	3.2340	19.0111	2.6213	1.1300	0.1262	2.6213	1.0341	1.0348	0.1242
<b>Gas Public Purpose Program Surcharge</b>	1.0197	0.4371	1.0273	0.2433	0.2433	0.4379	0.3222	0.3222	0.2433	0.2433	0.0000	0.0000
Total Rate	12.5010	7.5609	5.1417	3.4773	19.2544	3.0592	1.4522	0.4484	2.8646	1.2774	1.0348	0.1242
<b>Procurement Charges for Core Bundled Customers:</b>												
Storage	0.3067	0.2584	0.1791	0.1679	0.1679							
Backbone Capacity	0.4335	0.3615	0.2322	0.2250	0.2250							
Backbone Usage	0.1191	0.1191	0.1191	0.1191	0.1191							
WACOG	2.4353	2.4353	2.4353	2.4353	2.4353							
Interstate Capacity and Other	0.8004	0.6974	0.5125	0.5021	0.5021							
Total Core Procurement	4.0950	3.8717	3.4782	3.4494	3.4494							
Total Core Bundled Rates	16.5960	11.4326	8.6199	6.9267	22.7038							
<b>Wholesale Transportation</b>												
			<u>Island</u>	<u>Palo</u>	<u>WCG</u>	<u>WCG</u>	<u>WCG</u>					
	<u>Alpine</u>	<u>Coalinga</u>	<u>Energy</u>	<u>Alto</u>	<u>Castle</u>	<u>Mather</u>	<u>Mather</u>					
<b>End-Use Transportation:</b>												
Local Transmission & Rate Adders	0.9060	0.9060	0.9060	0.9060	0.9060	0.9060	0.9060					
Distribution (b)	0.0000	0.0000	0.0000	0.0000	1.9031	2.5200	0.0000					
Mandated Customer Programs and Other Charges:	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000					
Self Generation Incentive Program	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000					
CPUC Fee	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000					
Balancing Accounts	0.0717	0.0717	0.0717	0.0717	0.1038	0.1142	0.0717					
Volumetric End-Use Rate	0.9777	0.9777	0.9777	0.9777	2.9130	3.5403	0.9777					
<b>Customer/ Customer Access Charge (c)</b>	0.0333	0.0367	0.1535	0.0097	0.0823	0.0476	0.0476					
Total End-Use Rate	1.0110	1.0145	1.1312	0.9875	2.9952	3.5879	1.0253					
<b>Gas Public Purpose Program Surcharge</b>	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000					
Total Rate	1.0110	1.0145	1.1312	0.9875	2.9952	3.5879	1.0253					

**Notes:**

- a) Class average rates reflect load shape for bundled core.
- b) Distribution rates represent the annual class average.
- c) Customer access and customer charges represent the class average volumetric equivalent of the monthly charge.

**2015 Gas Transmission and Storage Ratecase**  
**Adopted Safety Program Costs (Without \$850 Million)**  
**Proposed Decision Table Updated to Include 2017**

**Updated Appendix J: Table 19 revised (before amortization of revenue undercollection)**

<b>RESIDENTIAL CLASS</b>		Rates Effective January 1, 2016 (A)	Rates Effective January 1, 2016 with Adopted 2015 GT&S (Year 2016 Components) (B)	Rates Effective January 1, 2016 with Adopted 2015 GT&S (Year 2017 Components) (B)
Line No.				
1	Non-CARE Residential Illustrative Bundled Rate* (\$/th)	\$1.37074	\$1.52813	\$1.55763
2	State-Mandated Residential Public Purpose Program Surcharge (\$/th)	\$0.10197	\$0.10197	\$0.10197
3	End-User Total Rate and Surcharge (\$/th)	\$1.47271	\$1.63010	\$1.65960
4	Average Monthly Use per Residential Customer (therms)	34	34	34
5	Present Average Non-CARE Residential Customer Monthly Bill (\$)	\$50.07	\$55.42	\$56.43
6	Change in Average Non-CARE Residential Bill		\$5.35	\$1.01
7	% Change in Average Annual Non-CARE Residential Bill		10.7%	1.8%
<b>SMALL COMMERCIAL CLASS</b>		Rates Effective January 1, 2016 (A)	Rates Effective January 1, 2016 with Adopted 2015 GT&S (Year 2016 Components) (B)	Rates Effective January 1, 2016 with Adopted 2015 GT&S (Year 2017 Components) (B)
8	Non-CARE Small Commercial Illustrative Bundled Rate* (\$/th)	\$0.91699	\$1.07096	\$1.09955
9	State-Mandated Small Commercial Public Purpose Program Surcharge (\$/th)	\$0.04371	\$0.04371	\$0.04371
10	End-User Total Rate and Surcharge (\$/th)	\$0.96070	\$1.11467	\$1.14326
11	Average Monthly Use per Small Commercial Customer (therms)	284	284	284
12	Present Average Non-CARE Small Commercial Customer Monthly Bill (\$)	\$272.84	\$316.57	\$324.69
13	Change in Average Non-CARE Small Commercial Bill		\$43.73	\$8.12
14	% Change in Average Annual Non-CARE Small Commercial Bill		16.0%	2.6%

\* CARE customers receive a discount of 20% off of PG&E's bundled residential rates and are exempt from paying CARE-related portions of PG&E's G-PPPS rates.

Appendix J

Scenario C

Proposed Decision Tables

Updated To Incorporate The 2015-2016 Revenue  
Undercollection In End User Rates

**2015 Gas Transmission and Storage Ratecase**  
**Adopted Safety Program Costs (Without \$850 Million)**  
**Includes Amortization of 2015-2016 Revenue Undercollection in End Use 2016 and 2017 Rates**

**Updated Appendix J: Table 1A revised**  
**PACIFIC GAS AND ELECTRIC COMPANY**  
**Illustrative End-Use Class Average Rates (\$/dth) (e)**

Line No.	Rates Effective April 1, 2014 with Adopted 2014 GT&S Components and PSEP Update (a)	Rates Effective April 1, 2014 with Adopted 2015 GT&S (Year 2015 Components)		Rates Effective January 1, 2016 with Adopted 2015 GT&S (Year 2016 Components)		Rates Effective January 1, 2016 with Adopted 2015 GT&S (Year 2017 Components)						
		\$ Change (d)	% Change	\$ Change (d)	% Change	\$ Change (d)	% Change					
<b>Core Retail Bundled Service (c)</b>												
1	Residential Non-CARE**/****	12.215	13.114	0.899	7.4%	14.7271	17.4290	2.7019	18.3%	17.724	0.295	1.7%
2	Small Commercial Non-CARE**	9.372	10.247	0.875	9.3%	9.607	12.275	2.668	27.8%	12.561	0.286	2.3%
3	Large Commercial	7.296	8.148	0.852	11.7%	6.870	9.478	2.609	38.0%	9.748	0.270	2.8%
4	Uncompressed Core NGV	6.408	7.258	0.850	13.3%	5.183	7.765	2.603	50.2%	8.055	0.269	3.5%
5	Compressed Core NGV	18.941	19.791	0.850	4.5%	20.980	23.563	2.603	12.4%	23.832	0.269	1.1%
<b>Core Retail Transport Only (d)</b>												
6	Residential Non-CARE**/****	6.951	7.680	0.729	10.5%	10.900	13.403	2.503	23.0%	13.629	0.226	1.7%
7	Small Commercial	4.310	5.039	0.729	16.9%	5.960	8.463	2.503	42.0%	8.689	0.226	2.7%
8	Large Commercial	2.626	3.354	0.729	27.8%	3.541	6.044	2.503	70.7%	6.270	0.226	3.7%
9	Uncompressed Core NGV	1.731	2.459	0.729	42.1%	1.875	4.379	2.503	133.4%	4.605	0.226	5.2%
10	Compressed Core NGV	14.264	14.993	0.729	5.1%	17.653	20.157	2.503	14.2%	20.362	0.226	1.1%
<b>Noncore Retail Transportation Only (d)</b>												
11	Industrial - Distribution	1.883	2.162	0.279	14.8%	2.386	3.392	1.007	42.2%	3.493	0.101	3.0%
12	Industrial - Transmission	0.868	1.140	0.272	31.3%	0.788	1.786	0.998	126.6%	1.886	0.100	5.6%
13	Industrial - Backbone	0.477	0.430	(0.048)	-10.0%	0.457	0.483	0.027	5.9%	0.483	-0.001	-0.1%
14	Uncompressed Noncore NGV - Distribution	1.767	2.046	0.279	15.8%	2.191	3.198	1.007	45.9%	3.298	0.101	3.1%
15	Uncompressed Noncore NGV - Transmission	0.747	1.019	0.272	36.4%	0.613	1.611	0.998	162.7%	1.711	0.100	6.2%
16	Electric Generation - Distribution/Transmission	0.496	0.773	0.276	55.7%	0.366	1.368	1.002	274.0%	1.469	0.101	7.4%
17	Electric Generation - Backbone	0.162	0.123	(0.039)	-24.1%	0.124	0.159	0.035	27.6%	0.159	0.000	-0.1%
<b>Wholesale Transportation Only (d)</b>												
18	Alpine Natural Gas	0.485	0.739	0.254	52.4%	0.364	1.346	0.982	270.0%	1.445	0.099	7.3%
19	Coalinga	0.493	0.742	0.248	50.4%	0.373	1.350	0.977	262.4%	1.448	0.099	7.3%
20	Island Energy	0.885	0.845	0.160	23.3%	0.568	1.472	0.904	159.1%	1.565	0.092	6.3%
21	Palo Alto	0.444	0.717	0.273	61.4%	0.322	1.321	0.999	309.6%	1.421	0.100	7.6%
22	West Coast Gas - Castle	1.592	1.794	0.202	12.7%	2.397	3.333	0.936	39.1%	3.429	0.096	2.9%
23	West Coast Gas - Mather D	1.861	2.091	0.229	12.3%	2.964	3.924	0.959	32.4%	4.022	0.098	2.5%
24	West Coast Gas - Mather T	0.522	0.751	0.229	43.9%	0.402	1.361	0.959	239.0%	1.459	0.098	7.2%

**Notes:**

- a) 2014 rates are based on PG&E's 2014 April Transportation Rate Change Filing (Advice Letter 3374-G), the 2014 GT&S Rate Components filed in Advice Letter 3360-G, and the Pipeline Safety Enhancement Plan Update rates filed in A.13-10-017.
- b) 2016 rates are based on PG&E's 2016 Annual Gas True-up (AGT) filing per Advice Letter 3664-G and Gas Accord V rates filed in Advice Letter 3664-G.
- c) PG&E's bundled gas service is available to core customers only. Intrastate backbone transmission and storage costs addressed in this proceeding, are included in end use rates paid by bundled core customers. Bundled service also includes a procurement cost for gas purchases, shrinkage, transportation on Canadian and Interstate pipelines, core brokerage, and franchise fees and uncollectibles expense. The illustrative annual average rates for these elements are based on the illustrative revenue requirements shown on PG&E's Preliminary Statement Part C2, last updated with Advice Letter 3664-G. Core bundled rates also includes the cost of transportation and delivery of gas from the citygate to the customer's burner tip, including local transmission, distribution, customer access, public purpose, and mandated programs and other charges.
- d) PG&E's transportation-only gas service is for core and noncore customers. Transportation-only service begins at PG&E's citygate and includes the applicable costs of gas transportation and delivery on PG&E's local transmission, including distribution, customer access, public purpose programs and customer class charges. Transportation-only rates exclude backbone transmission and storage costs.
- e) Rates are class average rates. Actual transportation rates will vary depending on the customer's load factor and seasonal usage. Dollar difference are due to rounding.

**2015 Gas Transmission and Storage Ratecase**  
**Adopted Safety Program Costs (Without \$850 Million)**  
Includes Amortization of 2015-2016 Revenue Undercollection in End Use 2016 and 2017 Rates

Updated Appendix J: Table 2A revised  
**PACIFIC GAS AND ELECTRIC COMPANY**

**Illustrative End-Use Noncore and Wholesale Class Average Rates with Procurement Proxy (a)/(\$/dth) (d)**

Line No.	Rates Effective April 1, 2014 with Adopted 2014 GT&S Components and PSEP Update (a)	Rates Effective April 1, 2014 with Adopted 2015 GT&S (Year 2015 Components)		Rates Effective January 1, 2016 with Adopted 2015 GT&S (Year 2016 Components)		Rates Effective January 1, 2016 with Adopted 2015 GT&S (Year 2017 Components)		\$ Change (d)	% Change			
		\$ Change (d)	% Change	\$ Change (d)	% Change	\$ Change (d)	% Change					
<b>Noncore Retail with Procurement Proxy</b>												
1	Industrial – Distribution	5.853	8.137	0.284	4.9%	5.692	6.799	1.107	19.4%	6.942	0.143	2.1%
2	Industrial – Transmission	4.838	5.115	0.277	5.7%	4.095	5.192	1.098	26.8%	5.335	0.143	2.8%
3	Industrial – Backbone	4.448	4.405	(0.042)	-1.0%	3.763	3.890	0.127	3.4%	3.932	0.042	1.1%
4	Uncompressed Noncore NGV – Distribution	5.737	6.021	0.284	5.0%	5.498	6.804	1.107	20.1%	6.748	0.143	2.2%
5	Uncompressed Noncore NGV – Transmission	4.718	4.995	0.277	5.9%	3.920	5.018	1.098	28.0%	5.160	0.143	2.8%
6	Electric Generation – Distribution/Transmission	4.466	4.748	0.281	6.3%	3.672	4.775	1.102	30.0%	4.918	0.143	3.0%
7	Electric Generation – Backbone	4.132	4.098	(0.034)	-0.8%	3.431	3.565	0.135	3.9%	3.608	0.043	1.2%
<b>Wholesale with Procurement Proxy</b>												
8	Alpine Natural Gas	4.455	4.714	0.259	5.8%	3.670	4.753	1.082	29.5%	4.894	0.141	3.0%
9	Coalinga	4.464	4.717	0.253	5.7%	3.678	4.756	1.077	29.3%	4.898	0.141	3.0%
10	Island Energy	4.655	4.820	0.165	3.5%	3.875	4.879	1.004	25.9%	5.014	0.135	2.8%
11	Palo Alto	4.414	4.682	0.278	6.3%	3.629	4.728	1.099	30.3%	4.971	0.143	3.0%
12	West Coast Gas - Castle	5.562	5.769	0.206	3.7%	5.703	6.739	1.036	18.2%	6.878	0.139	2.1%
13	West Coast Gas - Mather D	5.832	6.066	0.234	4.0%	6.271	7.330	1.059	16.9%	7.471	0.141	1.9%
14	West Coast Gas - Mather T	4.492	4.726	0.234	5.2%	3.708	4.768	1.059	28.6%	4.906	0.141	3.0%

Notes:

- a) Proxy based on average core gas commodity costs and Canadian, interstate, intrastate backbone and transmission shrinkage costs based on PG&E's G-NGV1 Procurement Rate.
- b) 2014 rates are based on PG&E's 2014 April Transportation Rate Change Filing (Advice Letter 3374-G), the 2014 GT&S Rate Components filed in Advice Letter 3360-G, and the Pipeline Safety Enhancement Plan Update rates filed in A.13-10-017.
- c) 2016 rates are based on PG&E's 2016 Annual Gas True-up (AGT) filing per Advice Letter 3664-G and Gas Accord V rates filed in Advice Letter 3854-G.
- d) Rates are class average rates. Actual transportation rates will vary depending on the customer's load factor and seasonal usage.

Dollar difference are due to rounding.



**2015 Gas Transmission and Storage Ratecase**  
**Adopted Safety Program Costs (Without \$850 Million)**  
**Includes Amortization of 2015-2016 Revenue Undercollection in End Use 2016 and 2017 Rates**  
**Illustrative Rates**

**Appendix J: NEW Table 6C**

**Rates Effective January 1, 2017 with Adopted 2015 GT&S (Year 2017 Components) By End-Use Customer Class (a)(b)**  
**(\$/dth)**

	<u>Core (a)</u>					<u>Noncore Transportation</u>						
	<u>Res</u>	<u>Small Comm</u>	<u>Large Comm</u>	<u>Uncomp. NGV</u>	<u>Comp. NGV</u>	<u>Industrial</u>			<u>Natural Gas Vehicle</u>		<u>Electric Gen</u>	
						<u>Dist</u>	<u>Trans</u>	<u>BB</u>	<u>Dist</u>	<u>Trans</u>	<u>D/T</u>	<u>BB</u>
<b>End-Use Transportation:</b>												
Local Transmission & Rate Adders	2.0759	2.0759	2.0759	2.0759	2.0759	0.9060	0.9060	0.0000	0.9060	0.9060	0.9060	0.0000
Distribution (b)	7.1577	3.1847	1.3674	0.7153	13.0056	1.5291	0.0943	0.0000	1.5291	0.0000	0.0296	0.0296
2015 GT&S Late Implementation Amortization	1.1280	1.1280	1.1280	1.1280	1.1280	0.4337	0.4337	0.0344	0.4337	0.4337	0.4337	0.0344
Self Generation Incentive Program	0.0091	0.0091	0.0091	0.0091	0.0091	0.0091	0.0091	0.0091	0.0091	0.0091	0.0091	0.0091
CPUC Fee	0.0203	0.0203	0.0203	0.0203	0.0203	0.0203	0.0203	0.0203	0.0203	0.0203	0.0112	0.0112
Balancing Accounts	2.2183	1.2650	0.5969	0.4015	3.9001	0.1161	0.0907	0.0890	0.1161	0.0890	0.0724	0.0724
Volumetric End-Use Rate	12.6093	7.6930	5.1976	4.3501	20.1391	3.0143	1.5640	0.1528	3.0143	1.4581	1.4819	0.1567
<b>Customer/ Customer Access Charge (c)</b>	0.0000	0.5888	0.0449	0.0120	0.0000	0.0407	0.0097	0.0078	0.0407	0.0097	0.0066	0.0020
<b>Total End-Use Rate</b>	12.6093	8.2518	5.2424	4.3620	20.1391	3.0550	1.5637	0.1606	3.0550	1.4678	1.4885	0.1586
<b>Gas Public Purpose Program Surcharge</b>	1.0197	0.4371	1.0273	0.2433	0.2433	0.4379	0.3222	0.3222	0.2433	0.2433	0.0000	0.0000
<b>Total Rate</b>	13.6290	8.6889	6.2697	4.6053	20.3824	3.4929	1.8859	0.4828	3.2983	1.7111	1.4885	0.1586
<b>Procurement Charges for Core Bundled Customers:</b>												
Storage	0.3067	0.2584	0.1791	0.1679	0.1679							
Backbone Capacity	0.4335	0.3615	0.2322	0.2250	0.2250							
Backbone Usage	0.1191	0.1191	0.1191	0.1191	0.1191							
WACOG	2.4353	2.4353	2.4353	2.4353	2.4353							
Interstate Capacity and Other	0.8004	0.6974	0.5125	0.5021	0.5021							
<b>Total Core Procurement</b>	4.0950	3.8717	3.4782	3.4494	3.4494							
<b>Total Core Bundled Rates</b>	17.7240	12.5606	9.7479	8.0547	23.8318							
	<b>Wholesale Transportation</b>											
			<u>Island Energy</u>	<u>Palo Alto</u>	<u>WCG Castle</u>	<u>WCG Mather Dist</u>	<u>WCG Mather Trans</u>					
<b>End-Use Transportation:</b>												
Local Transmission & Rate Adders	0.9060	0.9060	0.9060	0.9060	0.9060	0.9060	0.9060					
Distribution (b)	0.0000	0.0000	0.0000	0.0000	1.9031	2.5200	0.0000					
2015 GT&S Late Implementation Amortization	0.4337	0.4337	0.4337	0.4337	0.4337	0.4337	0.4337					
Self Generation Incentive Program	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000					
CPUC Fee	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000					
Balancing Accounts	0.0717	0.0717	0.0717	0.0717	0.1038	0.1142	0.0717					
Volumetric End-Use Rate	1.4114	1.4114	1.4114	1.4114	3.3467	3.9740	1.4114					
<b>Customer/ Customer Access Charge (c)</b>	0.0333	0.0367	0.1535	0.0097	0.0823	0.0476	0.0476					
<b>Total End-Use Rate</b>	1.4447	1.4482	1.5649	1.4212	3.4289	4.0216	1.4590					
<b>Gas Public Purpose Program Surcharge</b>	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000					
<b>Total Rate</b>	1.4447	1.4482	1.5649	1.4212	3.4289	4.0216	1.4590					

**Notes:**

- a) Class average rates reflect load shape for bundled core.
- b) Distribution rates represent the annual class average.
- c) Customer access and customer charges represent the class average volumetric equivalent of the monthly charge.

**2015 Gas Transmission and Storage Ratecase**  
**Adopted Safety Program Costs (Without \$850 Million)**  
**Includes Amortization of 2015-2016 Revenue Undercollection in End Use 2016 and 2017 Rates**  
**Updated APPENDIX J: Table 19A revised**

<b>RESIDENTIAL CLASS</b>		Rates Effective January 1, 2016 (A)	Rates Effective January 1, 2016 with Adopted 2015 GT&S (Year 2016 Components) (B)	Rates Effective January 1, 2016 with Adopted 2015 GT&S (Year 2017 Components) (B)
Line No.				
1	Non-CARE Residential Illustrative Bundled Rate* (\$/th)	\$1.37074	\$1.64093	\$1.67043
2	State-Mandated Residential Public Purpose Program Surcharge (\$/th)	\$0.10197	\$0.10197	\$0.10197
3	End-User Total Rate and Surcharge (\$/th)	\$1.47271	\$1.74290	\$1.77240
4	Average Monthly Use per Residential Customer (therms)	34	34	34
5	Present Average Non-CARE Residential Customer Monthly Bill (\$)	\$50.07	\$59.26	\$60.26
6	Change in Average Non-CARE Residential Bill		\$9.19	\$1.00
7	% Change in Average Annual Non-CARE Residential Bill		18.4%	1.7%
<b>SMALL COMMERCIAL CLASS</b>				
		(A)	(B)	(B)
8	Non-CARE Small Commercial Illustrative Bundled Rate* (\$/th)	\$0.91699	\$1.18376	\$1.21235
9	State-Mandated Small Commercial Public Purpose Program Surcharge (\$/th)	\$0.04371	\$0.04371	\$0.04371
10	End-User Total Rate and Surcharge (\$/th)	\$0.96070	\$1.22747	\$1.25606
11	Average Monthly Use per Small Commercial Customer (therms)	284	284	284
12	Present Average Non-CARE Small Commercial Customer Monthly Bill (\$)	\$272.84	\$348.60	\$356.72
13	Change in Average Non-CARE Small Commercial Bill		\$75.76	\$8.12
14	% Change in Average Annual Non-CARE Small Commercial Bill		27.8%	2.3%

\* CARE customers receive a discount of 20% off of PG&E's bundled residential rates and are exempt from paying CARE-related portions of PG&E's G-PPPS rates.

Appendix J

Scenario D

Proposed Decision Tables

Updated to Incorporate the 2015-2016 Revenue  
Undercollection in GT&S Rates

**2015 Gas Transmission and Storage Ratecase**  
**Adopted Safety Program Costs (Without \$850)**  
**Includes Amortization of 2015-2016 Revenue Undercollection in GT&S Rates**

**Updated Appendix J: Table 1A revised**  
**PACIFIC GAS AND ELECTRIC COMPANY**  
**Illustrative End-Use Class Average Rates (\$/dth) (e)**

Line No.	Rates Effective April 1, 2014 with Adopted 2014 GT&S Components and PSEP Update (a)	Rates Effective April 1, 2014 with Adopted 2015 GT&S (Year 2015 Components)	Change		Rates Effective January 1, 2016	Rates Effective January 1, 2016 with Adopted 2015 GT&S (Year 2016 Components)	Change		Rates Effective January 1, 2016 with Adopted 2015 GT&S (Year 2017 Components)	Change		
			\$	%			\$	%		\$	%	
<b>Core Retail Bundled Service (c)</b>												
1	Residential Non-CARE****	12.215	13.114	0.899	7.4%	14.727	17.555	2.828	19.2%	17.859	0.304	1.7%
2	Small Commercial Non-CARE**	9.372	10.247	0.875	9.3%	9.607	12.377	2.770	28.8%	12.671	0.294	2.4%
3	Large Commercial	7.296	8.148	0.852	11.7%	6.870	9.539	2.669	38.9%	9.915	0.277	2.9%
4	Uncompressed Core NGV	6.408	7.258	0.850	13.3%	5.183	7.843	2.660	51.3%	8.118	0.275	3.5%
5	Compressed Core NGV	18.941	19.791	0.850	4.5%	20.960	23.620	2.660	12.7%	23.895	0.275	1.2%
<b>Core Retail Transport Only (d)</b>												
6	Residential Non-CARE****	6.951	7.660	0.729	10.5%	10.900	13.359	2.459	22.6%	13.589	0.230	1.7%
7	Small Commercial	4.310	5.039	0.729	18.9%	5.960	8.419	2.459	41.3%	8.648	0.230	2.7%
8	Large Commercial	2.626	3.354	0.729	27.8%	3.541	6.000	2.459	69.4%	6.229	0.230	3.6%
9	Uncompressed Core NGV	1.731	2.459	0.729	42.1%	1.876	4.335	2.459	131.1%	4.565	0.230	5.3%
10	Compressed Core NGV	14.264	14.993	0.729	5.1%	17.653	20.112	2.459	13.9%	20.342	0.230	1.1%
<b>Noncore Retail Transportation Only (d)</b>												
11	Industrial - Distribution	1.883	2.182	0.279	14.8%	2.386	3.412	1.027	43.0%	3.519	0.107	3.1%
12	Industrial - Transmission	0.868	1.140	0.272	31.3%	0.788	1.796	1.008	127.9%	1.902	0.106	5.9%
13	Industrial - Backbone	0.477	0.430	(0.048)	-10.0%	0.457	0.441	-0.018	-3.4%	0.441	0.000	-0.1%
14	Uncompressed Noncore NGV - Distribution	1.767	2.046	0.279	15.8%	2.191	3.218	1.027	46.9%	3.324	0.107	3.3%
15	Uncompressed Noncore NGV - Transmission	0.747	1.019	0.272	36.4%	0.613	1.621	1.008	164.4%	1.727	0.106	6.5%
16	Electric Generation - Distribution/Transmission	0.486	0.773	0.276	55.7%	0.366	1.382	1.016	277.7%	1.488	0.106	7.7%
17	Electric Generation - Backbone	0.162	0.123	(0.039)	-24.1%	0.124	0.122	-0.002	-1.5%	0.122	0.000	-0.1%
<b>Wholesale Transportation Only (d)</b>												
18	Alpine Natural Gas	0.485	0.739	0.254	52.4%	0.364	1.332	0.969	266.2%	1.437	0.105	7.9%
19	Coalinga	0.493	0.742	0.248	50.4%	0.373	1.333	0.960	257.7%	1.437	0.105	7.8%
20	Island Energy	0.685	0.845	0.160	23.3%	0.568	1.336	0.770	135.5%	1.436	0.098	7.3%
21	Palo Alto	0.444	0.717	0.273	61.4%	0.322	1.331	1.009	312.6%	1.437	0.106	8.0%
22	West Coast Gas - Castle	1.592	1.794	0.202	12.7%	2.397	3.270	0.874	36.4%	3.372	0.102	3.1%
23	West Coast Gas - Mather D	1.861	2.091	0.229	12.3%	2.964	3.896	0.932	31.4%	4.000	0.104	2.7%
24	West Coast Gas - Mather T	0.522	0.751	0.229	43.9%	0.402	1.333	0.932	232.0%	1.437	0.104	7.8%

- Notes:**
- a) 2014 rates are based on PG&E's 2014 April Transportation Rate Change Filing (Advice Letter 3374-G), the 2014 GT&S Rate Components filed in Advice Letter 3360-G, and the Pipeline Safety Enhancement Plan Update rates filed in A.13-10-017.
  - b) 2016 rates are based on PG&E's 2016 Annual Gas True-up (AGT) filing per Advice Letter 3664-G and Gas Accord V rates filed in Advice Letter 3664-G.
  - c) PG&E's bundled gas service is available to core customers only. Intrastate backbone transmission and storage costs addressed in this proceeding, are included in end use rates paid by bundled core customers. Bundled service also includes a procurement cost for gas purchases, shrinkage, transportation on Canadian and Interstate pipelines, core brokerage, and franchise fees and uncollectibles expense. The illustrative annual average rates for these elements are based on the illustrative revenue requirements shown on PG&E's Preliminary Statement Part C2, last updated with Advice Letter 3664-G. Core bundled rates also includes the cost of transportation and delivery of gas from the citygate to the customer's burnertip, including local transmission, distribution, customer access, public purpose, and mandated programs and other charges.
  - d) PG&E's transportation-only gas service is for core and noncore customers. Transportation-only service begins at PG&E's citygate and includes the applicable costs of gas transportation and delivery on PG&E's local transmission, including distribution, customer access, public purpose programs and customer class charges. Transportation-only rates exclude backbone transmission and storage costs.
  - e) Rates are class average rates. Actual transportation rates will vary depending on the customer's load factor and seasonal usage. Dollar difference are due to rounding.

**2015 Gas Transmission and Storage Ratecase**  
**Adopted Safety Program Costs (Without \$850)**  
**Includes Amortization of 2015-2016 Revenue Undercollection in GT&S Rates**

**Updated Appendix J: Table 2A revised**  
**PACIFIC GAS AND ELECTRIC COMPANY**

**Illustrative End-Use Noncore and Wholesale Class Average Rates with Procurement Proxy (a)(\$/dth) (d)**

Line No.	Rates Effective April 1, 2014 with Adopted 2014 GT&S Components and PSEP Update (a)	Rates Effective April 1, 2014 with Adopted 2015 GT&S (Year 2015 Components)	\$ Change (d)	% Change	Rates Effective January 1, 2016				Rates Effective January 1, 2016 with Adopted 2015 GT&S			
					Rates Effective January 1, 2016	(Year 2016 Components)	\$ Change (d)	% Change	(Year 2017 Components)	\$ Change (d)	% Change	
<b>Noncore Retail with Procurement Proxy</b>												
1	Industrial – Distribution	5.853	6.137	0.284	4.9%	5.892	6.920	1.228	21.6%	7.072	0.152	2.2%
2	Industrial – Transmission	4.838	5.115	0.277	5.7%	4.095	5.304	1.209	29.5%	5.456	0.152	2.9%
3	Industrial – Backbone	4.448	4.405	(0.042)	-1.0%	3.763	3.949	0.185	4.9%	3.994	0.045	1.2%
4	Uncompressed Noncore NGV – Distribution	5.737	6.021	0.284	5.0%	5.488	6.725	1.228	22.3%	6.878	0.152	2.3%
5	Uncompressed Noncore NGV – Transmission	4.718	4.995	0.277	5.9%	3.920	5.129	1.209	30.8%	5.281	0.152	3.0%
6	Electric Generation – Distribution/Transmission	4.466	4.748	0.281	6.3%	3.672	4.889	1.217	33.1%	5.041	0.152	3.1%
7	Electric Generation – Backbone	4.132	4.098	(0.034)	-0.8%	3.431	3.630	0.199	5.8%	3.676	0.046	1.3%
<b>Wholesale with Procurement Proxy</b>												
8	Alpine Natural Gas	4.455	4.714	0.259	5.8%	3.670	4.840	1.170	31.9%	4.991	0.151	3.1%
9	Coalinga	4.464	4.717	0.253	5.7%	3.679	4.840	1.161	31.6%	4.991	0.150	3.1%
10	Island Energy	4.655	4.820	0.165	3.5%	3.875	4.848	0.971	25.1%	4.990	0.144	3.0%
11	Palo Alto	4.414	4.692	0.278	6.3%	3.629	4.839	1.210	33.3%	4.991	0.152	3.1%
12	West Coast Gas - Castle	5.562	5.789	0.226	3.7%	5.703	6.779	1.075	18.8%	6.926	0.148	2.2%
13	West Coast Gas - Mather D	5.832	6.096	0.264	4.0%	6.271	7.403	1.133	18.1%	7.553	0.150	2.0%
14	West Coast Gas - Mather T	4.492	4.726	0.234	5.2%	3.708	4.841	1.133	30.5%	4.991	0.150	3.1%

Notes:

- a) Proxy based on average core gas commodity costs and Canadian, interstate, intrastate backbone and transmission shrinkage costs in PG&E's G-NGV1 Procurement Rate.
- b) 2014 rates are based on PG&E's 2014 April Transportation Rate Change Filing (Advice Letter 3374-G), the 2014 GT&S Rate Components filed in Advice Letter 3360-G, and the Pipeline Safety Enhancement Plan Update rates filed in A.13-10-017.
- c) 2016 rates are based on PG&E's 2016 Annual Gas True-up (AGT) filing per Advice Letter 3664-G and Gas Accord V rates filed in Advice Letter 3664-G.
- d) Rates are class average rates. Actual transportation rates will vary depending on the customer's load factor and seasonal usage.

Dollar difference are due to rounding.



**2015 Gas Transmission and Storage Ratecase  
Adopted Safety Program Costs (Without \$850)**

**Includes Amortization of 2015-2016 Revenue Undercollection in GT&S Rates**

**Appendix J: NEW Table 6C**

**Rates Effective January 1, 2016 with Adopted 2015 GT&S (Year 2017 Components) By End-Use Customer Class (a)(b)  
(\$/dth)**

	Core (a)					Noncore Transportation						
	Res	Small Comm	Large Comm	Uncomp. NGV	Comp. NGV	Industrial			Natural Gas Vehicle		Electric Gen	
						Dist	Trans	BB	Dist	Trans	D/T	BB
End-Use Transportation:												
Local Transmission & Rate Adders	3.1635	3.1635	3.1635	3.1635	3.1635	1.3657	1.3657	0.0000	1.3657	1.3657	1.3657	0.0000
Distribution (b)	7.1577	3.1647	1.3674	0.7153	13.0056	1.5291	0.0943	0.0000	1.5291	0.0000	0.0296	0.0296
Mandated Customer Programs and Other Charges:	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Self Generation Incentive Program	0.0091	0.0091	0.0091	0.0091	0.0091	0.0091	0.0091	0.0091	0.0091	0.0091	0.0091	0.0091
CPUC Fee	0.0203	0.0203	0.0203	0.0203	0.0203	0.0203	0.0203	0.0203	0.0203	0.0203	0.0112	0.0112
Balancing Accounts	2.2183	1.2650	0.5969	0.4015	3.9001	0.1161	0.0907	0.0890	0.1161	0.0890	0.0724	0.0724
Volumetric End-Use Rate	12.5688	7.6225	5.1571	4.3096	20.0986	3.0403	1.5800	0.1184	3.0403	1.4841	1.4879	0.1223
Customer/ Customer Access Charge (c)	0.0000	0.5888	0.0449	0.0120	0.0000	0.0407	(0.0001)	(0.0000)	0.0407	(0.0001)	(0.0000)	(0.0000)
Total End-Use Rate	12.5688	8.2113	5.2020	4.3215	20.0986	3.0810	1.5799	0.1184	3.0810	1.4840	1.4879	0.1222
Gas Public Purpose Program Surcharge	1.0197	0.4371	1.0273	0.2433	0.2433	0.4379	0.3222	0.3222	0.2433	0.2433	0.0000	0.0000
Total Rate	13.5885	8.6484	6.2293	4.5648	20.3419	3.5189	1.9021	0.4406	3.3243	1.7273	1.4879	0.1222
<b>Procurement Charges for Core Bundled Customers:</b>												
Storage	0.3658	0.3082	0.2136	0.2002	0.2002							
Backbone Capacity	0.5270	0.4395	0.2623	0.2735	0.2735							
Backbone Usage	0.1423	0.1423	0.1423	0.1423	0.1423							
WACOG	2.4353	2.4353	2.4353	2.4353	2.4353							
Interstate Capacity and Other	0.8004	0.6974	0.5125	0.5021	0.5021							
Total Core Procurement	4.2708	4.0227	3.5860	3.5535	3.5535							
Total Core Bundled Rates	17.8593	12.6711	9.8153	8.1183	23.8954							
	<b>Wholesale Transportation</b>											
			<u>Island</u>	<u>Palo</u>	<u>WCG</u>	<u>WCG</u>	<u>WCG</u>					
	<u>Alpine</u>	<u>Coalinga</u>	<u>Energy</u>	<u>Alto</u>	<u>Castle</u>	<u>Mather</u>	<u>Mather</u>					
End-Use Transportation:						Dist	Trans					
Local Transmission & Rate Adders	1.3657	1.3657	1.3657	1.3657	1.3657	1.3657	1.3657					
Distribution (b)	0.0000	0.0000	0.0000	0.0000	1.9031	2.5200	0.0000					
Mandated Customer Programs and Other Charges:	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000					
Self Generation Incentive Program	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000					
CPUC Fee	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000					
Balancing Accounts	0.0717	0.0717	0.0717	0.0717	0.1038	0.1142	0.0717					
Volumetric End-Use Rate	1.4374	1.4374	1.4374	1.4374	3.3726	4.0000	1.4374					
Customer/ Customer Access Charge (c)	(0.0002)	(0.0002)	(0.0010)	(0.0001)	(0.0005)	(0.0003)	(0.0003)					
Total End-Use Rate	1.4372	1.4372	1.4364	1.4373	3.3721	3.9997	1.4371					
Gas Public Purpose Program Surcharge	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000					
Total Rate	1.4372	1.4372	1.4364	1.4373	3.3721	3.9997	1.4371					

**Notes:**

- a) Class average rates reflect load shape for bundled core.
- b) Distribution rates represent the annual class average.
- c) Customer access and customer charges represent the class average volumetric equivalent of the monthly charge.

**2015 Gas Transmission and Storage Ratecase  
Adopted Safety Program Costs (Without \$850)**

Includes Amortization of 2015-2016 Revenue Undercollection in GT&S Rates  
Illustrative Rates

**Updated Appendix J: Table 7 revised  
Firm Backbone Transportation  
Annual Rates (AFT) -- SFV Rate Design  
On-System Transportation Service**

		GAV 2014	Interim 2016	2015 GT&S Rates		
				2015	2016	2017
<b><u>Redwood Path - Core (1)</u></b>						
Reservation Charge	(\$/dth/mo)	6.3780	7.0192	8.9745	14.2942	15.9091
Usage Charge	(\$/dth)	0.0092	0.0074	0.0008	0.0013	0.0013
Total	(\$/dth @ Full Contract)	0.2188	0.2382	0.2959	0.4712	0.5243
<b><u>Baja Path - Core (1)</u></b>						
Reservation Charge	(\$/dth/mo)	7.5567	8.2215	10.1877	15.5076	17.1229
Usage Charge	(\$/dth)	0.0104	0.0087	0.0010	0.0014	0.0014
Total	(\$/dth @ Full Contract)	0.2588	0.2790	0.3359	0.5112	0.5643
<b><u>Redwood Path - Noncore</u></b>						
Reservation Charge	(\$/dth/mo)	7.8577	8.6209	10.4735	15.4256	17.1029
Usage Charge	(\$/dth)	0.0080	0.0061	0.0008	0.0011	0.0011
Total	(\$/dth @ Full Contract)	0.2663	0.2896	0.3451	0.5082	0.5634
<b><u>Baja Path - Noncore</u></b>						
Reservation Charge	(\$/dth/mo)	9.0486	9.8356	11.6873	16.6397	18.3172
Usage Charge	(\$/dth)	0.0088	0.0070	0.0009	0.0012	0.0012
Total	(\$/dth @ Full Contract)	0.3063	0.3304	0.3851	0.5482	0.6034
<b><u>Silverado and Mission Paths</u></b>						
Reservation Charge	(\$/dth/mo)	4.4293	4.8477	6.5281	9.3180	10.4072
Usage Charge	(\$/dth)	0.0082	0.0063	0.0007	0.0008	0.0009
Total	(\$/dth @ Full Contract)	0.1538	0.1657	0.2153	0.3072	0.3430

**Notes:**

- Rates are only the backbone transmission charge component of the transmission service. They exclude local transmission charges, mandated customer programs and other charges, customer access charges, distribution charges, storage charges, and shrinkage charges.
- The "Total" rows represent the average backbone transmission charge incurred by a firm shipper that uses its full contract quantity at a 100 percent load factor.
- Customers delivering gas to storage pay the applicable backbone transmission on-system rate from Redwood, Baja and Silverado.
- Dollar difference are due to rounding.

**2015 Gas Transmission and Storage Ratecase  
Adopted Safety Program Costs (Without \$850)**

Includes Amortization of 2015-2016 Revenue Undercollection in GT&S Rates  
Illustrative Rates

**Updated Appendix J: Table 8 revised  
Firm Backbone Transportation  
Annual Rates (AFT) -- MFV Rate Design  
On-System Transportation Service**

		GA V 2014	Interim 2016		2015 GT&S Rates		
					2015	2016	2017
<b><u>Redwood Path - Core (1)</u></b>							
Reservation Charge	(\$/dth/mo)	4.5126	4.9663		6.7859	11.1775	12.4177
Usage Charge	(\$/dth)	0.0705	0.0749		0.0728	0.1037	0.1160
Total	(\$/dth @ Full Contract)	0.2188	0.2382		0.2959	0.4712	0.5243
<b><u>Baja Path - Core (1)</u></b>							
Reservation Charge	(\$/dth/mo)	5.3466	5.8170		7.7033	12.1263	13.3651
Usage Charge	(\$/dth)	0.0831	0.0878		0.0826	0.1125	0.1249
Total	(\$/dth @ Full Contract)	0.2588	0.2790		0.3359	0.5112	0.5643
<b><u>Redwood Path - Noncore</u></b>							
Reservation Charge	(\$/dth/mo)	5.2050	5.7105		7.3006	11.3953	12.7844
Usage Charge	(\$/dth)	0.0952	0.1018		0.1051	0.1336	0.1431
Total	(\$/dth @ Full Contract)	0.2663	0.2896		0.3451	0.5082	0.5634
<b><u>Baja Path - Noncore</u></b>							
Reservation Charge	(\$/dth/mo)	5.9939	6.5151		8.1467	12.2922	13.6920
Usage Charge	(\$/dth)	0.1093	0.1162		0.1173	0.1441	0.1533
Total	(\$/dth @ Full Contract)	0.3063	0.3304		0.3851	0.5482	0.6034
<b><u>Silverado and Mission Paths</u></b>							
Reservation Charge	(\$/dth/mo)	3.1566	3.4544		4.6640	6.9987	7.8533
Usage Charge	(\$/dth)	0.0500	0.0522		0.0619	0.0771	0.0849
Total	(\$/dth @ Full Contract)	0.1538	0.1657		0.2153	0.3072	0.3430

**Notes:**

- a) Rates are only the backbone transmission charge component of the transmission service. They exclude local transmission charges, mandated customer programs and other charges, customer access charges, distribution charges, storage charges, and shrinkage charges.
- b) The "Total" rows represent the average backbone transmission charge incurred by a firm shipper that uses its full contract quantity at a 100 percent load factor.
- c) Customers delivering gas to storage pay the applicable backbone transmission on-system rate from Redwood, Baja and Silverado.
- d) Dollar difference are due to rounding.

**2015 Gas Transmission and Storage Ratecase  
Adopted Safety Program Costs (Without \$850)**

**Includes Amortization of 2015-2016 Revenue Undercollection in GT&S Rates  
Illustrative Rates**

**Updated Appendix J: Table 9 revised  
Firm Backbone Transportation  
Seasonal Rates (SFT) -- SFV Rate Design  
On-System Transportation Service**

		GA V 2014	Interim 2016	2015 GT&S Rates		
				2015	2016	2017
<b><u>Redwood Path</u></b>						
Reservation Charge	(\$/dth/mo)	9.4293	10.3450	12.5682	18.5107	20.5235
Usage Charge	(\$/dth)	0.0096	0.0074	0.0010	0.0013	0.0014
Total	(\$/dth @ Full Contract)	0.3196	0.3475	0.4142	0.6099	0.6761
<b><u>Baja Path - Core (1)</u></b>						
Reservation Charge	(\$/dth/mo)	9.0680	9.8658	12.2252	18.6091	20.5475
Usage Charge	(\$/dth)	0.0125	0.0104	0.0012	0.0016	0.0016
Total	(\$/dth @ Full Contract)	0.3106	0.3348	0.4031	0.6134	0.6772
<b><u>Baja Path - Noncore</u></b>						
Reservation Charge	(\$/dth/mo)	10.8584	11.8027	14.0247	19.9676	21.9806
Usage Charge	(\$/dth)	0.0106	0.0084	0.0011	0.0014	0.0015
Total	(\$/dth @ Full Contract)	0.3676	0.3964	0.4622	0.6579	0.7241
<b><u>Silverado and Mission Paths</u></b>						
Reservation Charge	(\$/dth/mo)	5.3151	5.8173	7.8337	11.1815	12.4887
Usage Charge	(\$/dth)	0.0098	0.0076	0.0008	0.0010	0.0011
Total	(\$/dth @ Full Contract)	0.1846	0.1989	0.2583	0.3686	0.4117

**Notes:**

- Firm Seasonal rates are 120 percent of Firm Annual rates.
- Rates are only the backbone transmission charge component of the transmission service. They include exclude local transmission charges, mandated customer programs and other charges, customer access charges, distribution charges, storage charges, and shrinkage charges.
- The "Total" rows represent the average backbone transmission charge incurred by a firm shipper that uses its full contract quantity at a 100 percent load factor.
- Customers delivering gas to storage pay the applicable backbone transmission on-system rate from Redwood, Baja and Silverado.
- Firm seasonal service is available to on-system paths for a minimum term of three consecutive months in one season. Winter season is November through March. Summer season is April through October.
- Dollar difference are due to rounding.

**2015 Gas Transmission and Storage Ratecase  
Adopted Safety Program Costs (Without \$850)**

Includes Amortization of 2015-2016 Revenue Undercollection in GT&S Rates  
**Illustrative Rates**

**Updated Appendix J: Table 10 revised**

**Firm Backbone Transportation  
Seasonal Rates (SFT) -- MFV Rate Design  
On-System Transportation Service**

		GA V 2013	GA V 2014	Interim 2016		2015	2015 GT&S Rates 2016	2017
<b>Redwood Path</b>								
Reservation Charge	(\$/dth/mo)	6.2501	6.2460	6.8526		8.7607	13.6744	15.3413
Usage Charge	(\$/dth)	0.1159	0.1142	0.1222		0.1262	0.1603	0.1717
Total	(\$/dth @ Full Contract)	0.3213	0.3196	0.3475		0.4142	0.6099	0.6761
<b>Baja Path - Core (1)</b>								
Reservation Charge	(\$/dth/mo)	6.2731	6.4159	6.9804		9.2439	14.5516	16.0381
Usage Charge	(\$/dth)	0.0952	0.0997	0.1053		0.0992	0.1350	0.1499
Total	(\$/dth @ Full Contract)	0.3015	0.3106	0.3348		0.4031	0.6134	0.6772
<b>Baja Path - Noncore</b>								
Reservation Charge	(\$/dth/mo)	7.0744	7.1926	7.8182		9.7760	14.7506	16.4304
Usage Charge	(\$/dth)	0.1308	0.1311	0.1394		0.1408	0.1729	0.1839
Total	(\$/dth @ Full Contract)	0.3633	0.3676	0.3964		0.4622	0.6579	0.7241
<b>Silverado and Mission Paths</b>								
Reservation Charge	(\$/dth/mo)	3.7710	3.7879	4.1453		5.5968	8.3984	9.4240
Usage Charge	(\$/dth)	0.0594	0.0601	0.0626		0.0743	0.0925	0.1018
Total	(\$/dth @ Full Contract)	0.1834	0.1846	0.1989		0.2583	0.3686	0.4117

**Notes:**

- Firm Seasonal rates are 120 percent of Firm Annual rates.
- Rates are only the backbone transmission charge component of the transmission service. They exclude local transmission charges, mandated customer programs and other charges, customer access charges, distribution charges, storage charges, and shrinkage charges.
- The "Total" rows represent the average backbone transmission charge incurred by a firm shipper that uses its full contract quantity at a 100 percent load factor.
- Customers delivering gas to storage pay the applicable backbone transmission on-system rate from Redwood, Baja and Silverado.
- Firm seasonal service is available to on-system paths for a minimum term of three consecutive months in one season. Winter season is November through March. Summer season is April through October.
- Dollar difference are due to rounding.

**2015 Gas Transmission and Storage Ratecase  
Adopted Safety Program Costs (Without \$850)**

**Includes Amortization of 2015-2016 Revenue Undercollection in GT&S Rates  
Illustrative Rates**

**Updated Appendix J: Table 11 revised**

**As-Available Backbone Transportation  
On-System Transportation Service**

		<u>GA V 2014</u>	<u>Interim 2016</u>		<u>2015</u>	<u>2015 GT&amp;S Rates 2016</u>	<u>2017</u>
<b><u>Redwood Path</u></b>							
Usage Charge	(\$/dth)	0.3196	0.3475		0.4142	0.6099	0.6761
<b><u>Baja Path</u></b>							
Usage Charge	(\$/dth)	0.3676	0.3964		0.4622	0.6579	0.7241
<b><u>Silverado Path</u></b>							
Usage Charge	(\$/dth)	0.1846	0.1989		0.2583	0.3686	0.4117
<b><u>Mission Path</u></b>							
Usage Charge	(\$/dth)	0.0000	0.0000		0.0000	0.0000	0.0000

**Notes:**

- a) As-Available rates are 120 percent of Firm Annual rates.
- b) Rates are only the backbone transmission charge component of the transmission service. They exclude local transmission charges, mandated customer programs and other charges, customer access charges, distribution charges, storage charges, and shrinkage charges.
- c) Mission path service represents on-system storage to on-system transportation. Customers delivering gas to storage facilities pay the applicable backbone transmission on-system rate from Redwood, Baja or Silverado.
- d) Dollar difference are due to rounding.

**2015 Gas Transmission and Storage Ratecase  
Adopted Safety Program Costs (Without \$850)**

**Includes Amortization of 2015-2016 Revenue Undercollection in GT&S Rates  
Illustrative Rates**

**Updated Appendix J: Table 12 revised  
Backbone Transportation  
Annual Rates (AFT-Off)  
Off-System Deliveries**

		GA V	Interim	2015 GT&S Rates		
		2014	2016	2015	2016	2017
<b>SFV Rate Design</b>						
<b>Redwood, Silverado and Mission Paths Off-System</b>						
Reservation Charge	(\$/dth/mo)	7.8577	8.6209	10.4735	15.4256	17.1029
Usage Charge	(\$/dth)	0.0080	0.0061	0.0008	0.0011	0.0011
Total	(\$/dth @ Full Contract)	0.2663	0.2896	0.3451	0.5082	0.5634
<b>Baja Path Off-System</b>						
Reservation Charge	(\$/dth/mo)	9.0486	9.8356	11.6873	16.6397	18.3172
Usage Charge	(\$/dth)	0.0088	0.0070	0.0009	0.0012	0.0012
Total	(\$/dth @ Full Contract)	0.3063	0.3304	0.3851	0.5482	0.6034
<b>MFV Rate Design</b>						
<b>Redwood, Silverado and Mission Paths Off-System</b>						
Reservation Charge	(\$/dth/mo)	5.2050	5.7105	7.3006	11.3953	12.7844
Usage Charge	(\$/dth)	0.0952	0.1018	0.1051	0.1336	0.1431
Total	(\$/dth @ Full Contract)	0.2663	0.2896	0.3451	0.5082	0.5634
<b>Baja Path Off-System</b>						
Reservation Charge	(\$/dth/mo)	5.9939	6.5151	8.1467	12.2922	13.6920
Usage Charge	(\$/dth)	0.1093	0.1162	0.1173	0.1441	0.1533
Total	(\$/dth @ Full Contract)	0.3063	0.3304	0.3851	0.5482	0.6034
<b>As-Available Service</b>						
<b>Redwood, Silverado, and Mission Paths, (From Citygate) Off-System - Noncore</b>						
Usage Charge	(\$/dth)	0.3196	0.3475	0.4142	0.6099	0.6761
<b>Mission Paths (From on-system storage) Off-System</b>						
Usage Charge	(\$/dth)	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Baja Path Off-System - Noncore</b>						
Usage Charge	(\$/dth)	0.3676	0.3964	0.4622	0.6579	0.7241

**Notes:**

- Rates are only the backbone transmission charge component of the transmission service. They exclude local transmission charges, mandated customer programs and other charges, customer access charges, distribution charges, storage charges, and shrinkage charges.
- The "Total" rows represent the average backbone transmission charge incurred by a firm shipper that uses its full contract quantity at a 100 percent load factor.
- California gas and storage to off-system are assumed to flow on Redwood path and are priced at the Redwood path rate.
- Dollar difference are due to rounding.

**2015 Gas Transmission and Storage Ratecase  
Adopted Safety Program Costs (Without \$850)**

**Includes Amortization of 2015-2016 Revenue Undercollection in GT&S Rates  
Illustrative Rates**

**Updated Appendix J: Table 14 revised  
Storage Service Rates**

		GA V 2014	Interim 2016	2015 GT&S Rates		
				2015	2016	2017
<b><u>Core Firm Storage (G-CFS)</u></b>						
Reservation Charge	(\$/dth/mo)	\$0.126	\$0.1285	\$0.155	\$0.224	\$0.229
<b><u>Standard Firm Storage (G-SFS)</u></b>						
Reservation Charge	(\$/dth/mo)	\$0.240	\$0.2447	\$0.288	-\$0.145	-\$0.154
<b><u>Negotiated Firm Storage (G-NFS)</u></b>						
Injection	(\$/dth/d)	\$6.025	\$6.1457	\$5.556	-\$2.798	-\$2.982
Inventory	(\$/dth)	\$2.679	\$2.9366	\$3.450	-\$1.738	-\$1.852
Withdrawal	(\$/dth/d)	\$20.861	\$21.2779	\$25.398	-\$12.792	-\$13.633
<b><u>Negotiated As-Available Storage (G-NAS) - Maximum Rate</u></b>						
Injection	(\$/dth/d)	\$6.025	\$6.1457	\$5.556	-\$2.798	-\$2.982
Withdrawal	(\$/dth/d)	\$20.861	\$21.2779	\$25.398	-\$12.792	-\$13.633
<b><u>Market Center Services (Parking and Lending Services)</u></b>						
Maximum Daily Charge (\$/Dth/d)		\$1.099	\$1.1206	\$1.140	-\$0.964	-\$1.001
Minimum Rate (per transaction)		\$57.00	\$57.0000	\$57.00	\$57.00	\$57.00

**Notes:**

- Rates for storage services are based on the costs of storage injection, inventory and withdrawal.
- Core Firm Storage (G-CFS) and Standard Firm Storage (G-SFS) rates are a monthly reservation charge designed to recover one twelfth of the annual revenue requirement of injection, inventory and withdrawal storage.
- Negotiated Firm rates may be one-part rates (volumetric) or two-part rates (reservation and volumetric), as negotiated between parties. The volumetric equivalent is shown above.
- Negotiated As-Available Storage Injection and Withdrawal rates are recovered through a volumetric charge only.
- Negotiated rates (NFS and NAS) are capped at the price which will collect 100 percent of PG&E's total revenue requirement for the unbundled storage program under all three subfunctions (e.g. inventory, injection, or withdrawal). The maximum rates are based on a rate design assuming an average injection period of 30 days and an average withdrawal period of 7 days.
- Negotiated Firm and As-available services are negotiable above a price floor representing PG&E's marginal costs of providing the service.
- The maximum charge for parking and lending is based on the annual cost of cycling one Dth of Firm Storage Gas assuming the full 214 day injection season and 151 day withdrawal season.
- Gas Storage shrinkage will be applied in-kind on storage injections.
- Dollar difference are due to rounding.

**2015 Gas Transmission and Storage Ratecase**  
**Adopted Safety Program Costs (Without \$850)**  
**Includes Amortization of 2015-2016 Revenue Undercollection in GT&S Rates**  
**Illustrative Rates**  
**Updated Appendix J: Table 15 revised**  
**Local Transmission Rates**  
**\$/dth**

Customer Groups	GA V	GA V	Interim	2015 GT&S Rates		
	2013	2014	2016	2015	2016	2017
Core Retail Local Transmission	0.4241	0.4333	0.4749	1.4485	2.9339	3.1635
Noncore Retail and Wholesale	0.1990	0.2121	0.2325	0.6463	1.2592	1.3657

**Notes:**

Allocation Method: Cold-Year Coincident Peak Month (December)

**Updated Appendix J: Table 16 revised  
Customer Access Charge Rates  
(\$ per Month)**

		<u>GA V 2014</u>	<u>Interim 2016</u>		<u>2015</u>	<u>2015 GT&amp;S Rates 2016</u>	<u>2017</u>
<b><u>G-EG / G-NT (\$/month)</u></b>							
	(Therms/Month)						
Tier 1	0 to 5,000	\$60.90	\$62.12	!	\$31.48	\$1.68	-\$0.22
Tier 2	5,001 to 10,000	\$181.41	\$185.04	!	\$93.78	\$5.02	-\$0.65
Tier 3	10,001 to 50,000	\$337.64	\$344.40	!	\$174.55	\$9.34	-\$1.21
Tier 4	50,001 to 200,000	\$443.12	\$451.98	!	\$229.08	\$12.25	-\$1.59
Tier 5	200,001 to 1,000,000	\$642.93	\$655.79	!	\$332.37	\$17.78	-\$2.31
Tier 6	1,000,001 and above	\$5,453.67	\$5,562.75	!	\$2,819.33	\$150.80	-\$19.56
<b><u>Wholesale (\$/month)</u></b>							
Alpine		\$323.79	\$330.27	!	\$150.77	\$8.06	-\$1.05
Coalinga		\$1,431.99	\$1,460.63	!	\$666.82	\$35.67	-\$4.63
Island Energy		\$970.23	\$989.63	!	\$451.80	\$24.17	-\$3.14
Palo Alto		\$4,774.56	\$4,870.05	!	\$2,223.34	\$118.92	-\$15.43
West Coast Gas - Castle		\$831.84	\$848.48	!	\$387.36	\$20.72	-\$2.69
West Coast Gas - Mather		\$760.18	\$775.38	!	\$353.99	\$18.93	-\$2.46

**2015 Gas Transmission and Storage Ratecase**  
**Adopted Safety Program Costs (Without \$850)**  
**Includes Amortization of 2015-2016 Revenue Undercollection in GT&S Rates**  
**Illustrative Rates**  
**Updated APPENIX J: Table 19A revised**

<b>RESIDENTIAL CLASS</b>		Rates Effective January 1, 2016 (A)	Rates Effective January 1, 2016 with Adopted 2015 GT&S (Year 2016 Components) (B)	Rates Effective January 1, 2016 with Adopted 2015 GT&S (Year 2017 Components) (B)
Line No.				
1	Non-CARE Residential Illustrative Bundled Rate* (\$/th)	\$1.37074	\$1.65357	\$1.68396
2	State-Mandated Residential Public Purpose Program Surcharge (\$/th)	\$0.10197	\$0.10197	\$0.10197
3	End-User Total Rate and Surcharge (\$/th)	\$1.47271	\$1.75554	\$1.78593
4	Average Monthly Use per Residential Customer (therms)	34	34	34
5	Present Average Non-CARE Residential Customer Monthly Bill (\$)	\$50.07	\$59.69	\$60.72
6	Change in Average Non-CARE Residential Bill		\$9.62	\$1.03
7	% Change in Average Annual Non-CARE Residential Bill		19.2%	1.7%
<b>SMALL COMMERCIAL CLASS</b>		Rates Effective January 1, 2016 (A)	Rates Effective January 1, 2016 with Adopted 2015 GT&S (Year 2016 Components) (B)	Rates Effective January 1, 2016 with Adopted 2015 GT&S (Year 2017 Components) (B)
8	Non-CARE Small Commercial Illustrative Bundled Rate* (\$/th)	\$0.91699	\$1.19399	\$1.22340
9	State-Mandated Small Commercial Public Purpose Program Surcharge (\$/th)	\$0.04371	\$0.04371	\$0.04371
10	End-User Total Rate and Surcharge (\$/th)	\$0.96070	\$1.23770	\$1.26711
11	Average Monthly Use per Small Commercial Customer (therms)	284	284	284
12	Present Average Non-CARE Small Commercial Customer Monthly Bill (\$)	\$272.84	\$351.51	\$359.86
13	Change in Average Non-CARE Small Commercial Bill		\$78.67	\$8.35
14	% Change in Average Annual Non-CARE Small Commercial Bill		28.8%	2.4%

\* CARE customers receive a discount of 20% off of PG&E's bundled residential rates and are exempt from paying CARE-related portions of PG&E's G-PPPS rates.