

**Pacific Gas and Electric Company
Core Gas Supply
Cumulative Monthly CPIM Report (Year 20)
November 01, 2012 - December 31, 2012**

**Confidential Material
Submitted pursuant to
General Order 66-C and
P.U. Code Section 583**

Month/Year	INTERSTATE AND CALIFORNIA GAS PURCHASES (1)			RESERVATION CHARGES (2)		TOTAL CPIM PERFORMANCE		
	Commodity Actuals	Commodity Benchmark	Benchmark - Actuals	Pipeline Charges Actuals	Pipeline Charges Benchmark	Total Actuals	Total Benchmark	Benchmark - Actuals
Nov-2012	Redacted							
Dec-2012								
Total								

(1) Canadian and U.S. gas commodity costs, includes physical and financial transactions. Volumetric costs to PG&E's Citygate are included.
 (2) Includes intrastate, applicable interstate and Canadian pipeline reservation charges net of capacity release revenue.

**Pacific Gas and Electric Company
Core Gas Supply CPIM Calculation
Commodity Purchases and Sales
November 2012**

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Pipeline/Purchase Point	Purchases (MMBtu) (a)	Sales (MMBtu) (b)	Net Purchases and Sales (MMBtu) (a)+(b) (c)	Actual Commodity Costs (d)	Volumetric Transportation Costs (e)	Actual Commodity Sales (f)	Total Net Costs (d)+(e)+(f) (g)
CGT - Baja	0	0	0	\$0	\$755,161	\$0	\$755,161
CGT - Citygate	0	(5,202,585)	(5,202,585)	0	0	(19,860,173)	(19,860,173)
CGT - Redwood	0	0	0	0	1,099,025	0	1,099,025
EPNG - Basin	4,532,423	0	4,532,423	15,115,915	148,771	0	15,264,686
EPNG - Topock	0	(75,795)	(75,795)	0	0	(279,707)	(279,707)
Kern River - Daggett	0	0	0	0	5,919	0	5,919
Kern River - Opal	260,296	0	260,296	906,047	0	0	906,047
Kern River Station	0	0	0	0	0	0	0
NGTL - AECO/NIT	10,782,366	(3,791)	10,778,575	35,620,065	0	(12,724)	35,607,341
GTNC - All	0	(572,000)	(572,000)	0	122,635	(2,004,580)	(1,881,945)
Ruby Pipeline	6,984,271	0	6,984,271	24,004,884	150,414	0	24,155,299
TW - Basin	4,261,214	0	4,261,214	14,308,336	53,788	0	14,362,124
TW - Topock	0	0	0	0	0	0	0
Total Commodity Purchases and Sales	26,820,570	(5,854,171)	20,966,399	\$89,955,247	\$2,335,713	(\$22,157,184)	\$70,133,777

**Pacific Gas and Electric Company
Core Gas Supply CPIM Calculation
Reservation Charges & Other Costs/Revenues
November 2012**

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<u>California Gas Transmission</u>	<u>Amount</u>
Demand Charge:	
Baja Path	\$1,777,953
Redwood Path	2,460,490
Firm Core Storage	4,072,125
Total California Gas Transmission	<u>\$8,310,568</u>

<u>El Paso Natural Gas Company</u>	<u>Amount</u>
Demand Charge	\$1,420,615
Reservation Charge Discount	(30,200)
Total El Paso Natural Gas Company	<u>\$1,390,415</u>

<u>Lodi Gas Storage, Inc.</u>	<u>Amount</u>
Demand Charge	\$193,500
Total Lodi Gas Storage, Inc.	<u>\$193,500</u>

<u>Gas Transmission Northwest Corporation</u>	<u>Amount</u>
Demand Charge	\$3,649,221
Total Gas Transmission Northwest Corporation	<u>\$3,649,221</u>

<u>Transwestern Pipeline Company</u>	<u>Amount</u>
Demand Charge	\$1,424,803
Reservation Charge Discount	(10,328)
Total Transwestern Pipeline Company	<u>\$1,414,475</u>

<u>Foothills Pipelines Ltd.</u>	<u>Amount</u>
Demand Charge	\$1,089,494
Total Foothills Pipelines Ltd.	<u>\$1,089,494</u>

<u>Nova Gas Transmission Ltd.</u>	<u>Amount</u>
Demand Charge	\$1,908,395
Cap. Release Revenue	(12,483)
Discounted/(Premium) Capacity Release	1,913
Total NOVA Gas Transmission Ltd.	<u>\$1,897,825</u>

<u>Ruby Pipeline</u>	<u>Amount</u>
Demand Charge	\$5,136,452
Cap. Release Revenue	(48,000)
Total Ruby Pipeline	<u>\$5,088,452</u>

<u>Kern River Gas Transmission</u>	<u>Amount</u>
Demand Charge	\$407,526
Reservation Charge Discount	(14,417)
Total Kern River Gas Transmission	<u>\$393,109</u>

<u>Miscellaneous Costs and Revenues</u>	<u>Amount</u>
Broker Fees	\$14,190
Cochrane Extraction Revenue	(724,442)
Peaking Contract Demand Fees	150,000
Total Miscellaneous Costs and Revenues	<u>(\$560,252)</u>

**Pacific Gas and Electric Company
Core Gas Supply CPIM Calculation
CPIM Performance Summary
November 2012**

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	Actual Costs	Benchmark Costs	Benchmark - Actual Costs
<u>Commodity Costs and Revenues</u>			
CGT - Baja	\$31,293,937		
CGT - Citygate	0		
CGT - Redwood	60,997,024		
Commodity Sales	(22,157,185)		
Subtotal Commodity	\$70,133,777	\$66,585,567	(\$3,548,210)
Miscellaneous Costs and Revenues	(560,252)	0	560,252
Total Net Commodity	\$69,573,525	\$66,585,567	(\$2,987,958)
<u>Financial Transactions</u>			
Winter Hedge Program:			
Option Premiums	\$0	\$0	\$0
Option and F/F Swap Settlements	0	0	0
Commissions and Fees	0	0	0
Other Financial Transactions	0	0	0
Total Financial Costs and Revenues	\$0	\$0	\$0
Total Commodity Costs	\$69,573,525	\$66,585,567	(\$2,987,958)
<u>Demand Charges</u>			
Foothills Pipelines Ltd.	\$1,089,494	\$1,089,494	\$0
California Gas Transmission	8,310,568	8,310,568	0
El Paso Natural Gas Company	1,390,415	1,420,615	30,200
Lodi Gas Storage, Inc.	193,500	193,500	0
Nova Gas Transmission Ltd.	1,897,825	1,908,395	10,570
Gas Transmission Northwest Corporation	3,649,221	3,649,221	0
Ruby Pipeline	5,088,452	5,136,452	48,000
Transwestern Pipeline Company	1,414,475	1,424,803	10,328
Kern River Gas Transmission	393,109	407,526	14,417
Total Demand Charges	\$23,427,059	\$23,540,574	\$113,515
Total Costs	\$93,000,584	\$90,126,141	(\$2,874,443)

**Pacific Gas and Electric Company
Core Gas Supply CPIM Calculation
Modified Determined Usage
November 2012**

Confidential Material
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Date	Burner Tip Modified Determined Usage (Therms) (a)	Modified Determined Use Grossed up to Citygate (Therms) (a)x(1+ Shrinkage Rate) (b)	Modified Determined Use Therms Converted to MMBtu (c)	Operating Imbalance Adjustment (MMBtu) (d)	Firm Storage CPIM Profile Injection/ (Withdrawal) (MMBtu) (e)	Incremental Storage Injection/ (Withdrawal) (MMBtu) (f)	Benchmark Load at Citygate (c)+(d)+(e)+(f) (MMBtu) (g)
11/01/2012	4,905,298	4,988,688	498,869	3,662	(66,056)	0	436,475
11/02/2012	4,952,455	5,036,647	503,665	3,662	(66,056)	0	441,271
11/03/2012	4,683,662	4,763,284	476,328	3,662	(66,056)	0	413,934
11/04/2012	4,113,793	4,183,727	418,373	3,662	(66,056)	0	355,979
11/05/2012	3,941,022	4,008,019	400,802	3,662	(66,056)	0	338,408
11/06/2012	3,950,151	4,017,304	401,730	3,663	(66,056)	0	339,337
11/07/2012	4,872,870	4,955,709	495,571	3,663	(66,056)	0	433,178
11/08/2012	7,176,349	7,298,347	729,835	3,663	(66,056)	0	667,442
11/09/2012	8,864,029	9,014,717	901,472	3,663	(66,056)	0	839,079
11/10/2012	9,611,558	9,774,954	977,495	3,663	(66,056)	0	915,102
11/11/2012	9,482,968	9,644,178	964,418	3,663	(66,055)	0	902,026
11/12/2012	9,367,023	9,526,262	952,626	3,663	(66,055)	0	890,234
11/13/2012	7,543,085	7,671,317	767,132	3,663	(66,055)	0	704,740
11/14/2012	7,004,287	7,123,360	712,336	3,663	(66,055)	0	649,944
11/15/2012	6,668,480	6,781,844	678,184	3,663	(66,055)	0	615,792
11/16/2012	6,569,514	6,681,196	668,120	3,663	(66,055)	0	605,728
11/17/2012	6,231,885	6,337,827	633,783	3,663	(66,055)	0	571,391
11/18/2012	7,404,661	7,530,540	753,054	3,663	(66,055)	0	690,662
11/19/2012	7,241,925	7,365,038	736,504	3,663	(66,055)	0	674,112
11/20/2012	6,486,315	6,596,582	659,658	3,663	(66,055)	0	597,266
11/21/2012	5,829,760	5,928,866	592,887	3,663	(66,055)	0	530,495
11/22/2012	6,284,895	6,391,738	639,174	3,663	(66,055)	0	576,782
11/23/2012	6,925,814	7,043,553	704,355	3,663	(66,055)	0	641,963
11/24/2012	7,407,421	7,533,347	753,335	3,663	(66,055)	0	690,943
11/25/2012	8,132,129	8,270,375	827,038	3,663	(66,055)	0	764,646
11/26/2012	9,374,028	9,533,386	953,339	3,663	(66,055)	0	890,947
11/27/2012	8,498,498	8,642,972	864,297	3,663	(66,055)	0	801,905
11/28/2012	8,366,974	8,509,213	850,921	3,663	(66,055)	0	788,529
11/29/2012	6,698,694	6,812,572	681,257	3,663	(66,055)	0	618,865
11/30/2012	6,575,437	6,687,219	668,722	3,663	(66,055)	0	606,330
	205,164,980	208,652,781	20,865,280	109,885	(1,981,660)	0	18,993,505

**Pacific Gas and Electric Company
Core Gas Supply CPIM Calculation
Firm Storage Inventory
November 2012**

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Date	Nominations Injection/ (Withdrawal) (MMBtu) (a)	Imbalance Trading (MMBtu) (b)	Sales/ Transfers (MMBtu) (c)	Parking (MMBtu) (d)	Ending Inventory (a)+(b)+(c)+(d) (e)
Beginning Balance					32,327,267
11/01/2012	48,732	0	0	0	32,375,999
11/02/2012	48,732	0	0	0	32,424,731
11/03/2012	48,732	0	0	0	32,473,463
11/04/2012	48,732	0	0	0	32,522,195
11/05/2012	25,000	0	0	0	32,547,195
11/06/2012	13,000	0	0	0	32,560,195
11/07/2012	0	0	0	0	32,560,195
11/08/2012	(50,000)	0	0	0	32,510,195
11/09/2012	(60,000)	0	0	0	32,450,195
11/10/2012	(124,000)	0	0	0	32,326,195
11/11/2012	(111,000)	0	0	0	32,215,195
11/12/2012	(99,000)	0	0	0	32,116,195
11/13/2012	48,204	0	0	0	32,164,399
11/14/2012	0	0	0	0	32,164,399
11/15/2012	0	0	0	0	32,164,399
11/16/2012	0	0	0	0	32,164,399
11/17/2012	0	0	0	0	32,164,399
11/18/2012	0	0	0	0	32,164,399
11/19/2012	0	0	0	0	32,164,399
11/20/2012	0	0	0	0	32,164,399
11/21/2012	0	0	0	0	32,164,399
11/22/2012	0	0	0	0	32,164,399
11/23/2012	(56,000)	0	0	0	32,108,399
11/24/2012	(90,000)	0	0	0	32,018,399
11/25/2012	0	0	0	0	32,018,399
11/26/2012	(360,000)	0	0	0	31,658,399
11/27/2012	(270,000)	0	0	0	31,388,399
11/28/2012	0 (60,844)		0	0	31,327,555
11/29/2012	32,000	0	0	0	31,359,555
11/30/2012	18,000	0	0	0	31,377,555
Total	(888,868)	(60,844)	0	0	

**Pacific Gas and Electric Company
Core Gas Supply CPIM Calculation
Incremental Storage Inventory
November 2012**

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<u>Lodi Gas Storages, Inc</u>			
Date	Nominations at Field (MMBtu) (a)	Equivalent at Citygate (MMBtu) (1) (b)	Ending Inventory Beg Bal + (a) (c)
Beginning Balance			1,500,000
11/01/2012	0		0 1,500,000
11/02/2012	0		0 1,500,000
11/03/2012	0		0 1,500,000
11/04/2012	0		0 1,500,000
11/05/2012	0		0 1,500,000
11/06/2012	0		0 1,500,000
11/07/2012	0		0 1,500,000
11/08/2012	0		0 1,500,000
11/09/2012	0		0 1,500,000
11/10/2012	0		0 1,500,000
11/11/2012	0		0 1,500,000
11/12/2012	0		0 1,500,000
11/13/2012	0		0 1,500,000
11/14/2012	0		0 1,500,000
11/15/2012	0		0 1,500,000
11/16/2012	0		0 1,500,000
11/17/2012	0		0 1,500,000
11/18/2012	0		0 1,500,000
11/19/2012	0		0 1,500,000
11/20/2012	0		0 1,500,000
11/21/2012	0		0 1,500,000
11/22/2012	0		0 1,500,000
11/23/2012	0		0 1,500,000
11/24/2012	0		0 1,500,000
11/25/2012	0		0 1,500,000
11/26/2012	0		0 1,500,000
11/27/2012	0		0 1,500,000
11/28/2012	0		0 1,500,000
11/29/2012	0		0 1,500,000
11/30/2012	0	0	1,500,000
Total	0	0	

(1) Includes 1.0% shrinkage for injection.

Pacific Gas and Electric Company
 Core Gas Supply CPIM Benchmark Calculation
 Daily Benchmark Sequence
 November 2012

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SEQUENCED VOLUMES AT CITYGATE

Date	Benchmark Load		Ruby	AECO	San Juan	Kingsgate	Kern River	AECO	AECO	Ruby	Ruby	San Juan	San Juan	Topock	Citygate
	at Citygate														
	Benchmark	25,424	72,802	72,654	0	48,030	119,618	119,618		95,645	95,645	107,761	107,761	0	
11/01/2012	436,475	25,424	72,802	72,654	0	48,030	119,618	97,947		0	0	0	0	0	0
11/02/2012	441,271	25,424	72,802	72,654	0	48,030	119,618	102,743		0	0	0	0	0	0
11/03/2012	413,934	25,424	72,802	72,654	0	48,030	119,618	75,406		0	0	0	0	0	0
11/04/2012	355,979	25,424	72,802	72,654	0	48,030	119,618	17,451		0	0	0	0	0	0
11/05/2012	338,408	25,424	72,802	72,654	0	48,030	119,618	498		0	0	0	0	0	0
11/06/2012	339,337	25,424	72,802	72,654	0	48,030	119,618	809		0	0	0	0	0	0
11/07/2012	433,178	25,424	72,802	72,654	0	48,030	119,618	94,650		0	0	0	0	0	0
11/08/2012	667,442	25,424	72,802	72,654	0	48,030	119,618	95,645	95,645		18,006	0	0	0	0
11/09/2012	839,079	25,424	72,802	72,654	0	48,030	119,618	95,645	95,645		107,761	81,882	0	0	0
11/10/2012	915,102	25,424	72,802	72,654	0	48,030	119,618	95,645	95,645		107,761	107,761	0	50,144	0
11/11/2012	902,026	25,424	72,802	72,654	0	48,030	119,618	95,645	95,645		107,761	107,761	0	37,068	0
11/12/2012	890,234	25,424	72,802	72,654	0	48,030	119,618	95,645	95,645		107,761	107,761	0	25,276	0
11/13/2012	704,740	25,424	72,802	72,654	0	48,030	119,618	95,645	95,645		55,304	0	0	0	0
11/14/2012	649,944	25,424	72,802	72,654	0	48,030	119,618	95,645	95,645		508	0	0	0	0
11/15/2012	615,792	25,424	72,802	72,654	0	48,030	119,618	95,645	62,001		0	0	0	0	0
11/16/2012	605,728	25,424	72,802	72,654	0	48,030	119,618	95,645	51,937		0	0	0	0	0
11/17/2012	571,391	25,424	72,802	72,654	0	48,030	119,618	95,645	17,600		0	0	0	0	0
11/18/2012	690,662	25,424	72,802	72,654	0	48,030	119,618	95,645	95,645		41,226	0	0	0	0
11/19/2012	674,112	25,424	72,802	72,654	0	48,030	119,618	95,645	95,645		24,676	0	0	0	0
11/20/2012	597,266	25,424	72,802	72,654	0	48,030	119,618	95,645	43,475		0	0	0	0	0
11/21/2012	530,495	25,424	72,802	72,654	0	48,030	119,618	72,349	0		0	0	0	0	0
11/22/2012	576,782	25,424	72,802	72,654	0	48,030	119,618	95,645	22,991		0	0	0	0	0
11/23/2012	641,963	25,424	72,802	72,654	0	48,030	119,618	95,645	88,172		0	0	0	0	0
11/24/2012	690,943	25,424	72,802	72,654	0	48,030	119,618	95,645	95,645		41,507	0	0	0	0
11/25/2012	764,646	25,424	72,802	72,654	0	48,030	119,618	95,645	95,645		107,761	7,449	0	0	0
11/26/2012	890,947	25,424	72,802	72,654	0	48,030	119,618	95,645	95,645		107,761	107,761	0	25,989	0
11/27/2012	801,905	25,424	72,802	72,654	0	48,030	119,618	95,645	95,645		107,761	44,708	0	0	0
11/28/2012	788,529	25,424	72,802	72,654	0	48,030	119,618	95,645	95,645		107,761	31,332	0	0	0
11/29/2012	618,865	25,424	72,802	72,654	0	48,030	119,618	95,645	65,074		0	0	0	0	0
11/30/2012	606,330	25,424	72,802	72,654	0	48,030	119,618	95,645	52,539		0	0	0	0	0
	18,993,505	762,720	2,184,060	2,179,620	0	1,440,900	3,588,420	3,140,220	2,176,539	1,742,819		1,043,315	596,415	0	138,477

Pacific Gas and Electric Company
Core Gas Supply CPIM Calculation
Daily Benchmark Summary
November 2012

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SEQUENCED VOLUMES AT CITYGATE								INDICES AT CITYGATE							TOTAL COMMODITY BENCHMARK										
Date	Ruby	AECO	San Juan	Kingsgate	Kern River	Topock	Citygate	Ruby Rookies	AECO	San Juan	Kingsgate	Kern River	Topock	PG&E Citygate Daily	Ruby Rookies	AECO	San Juan	Kingsgate	Kern River	Topock	Citygate	Total			
11/01/2012	25,424	290,367	72,654	0	48,030	0	0	\$3.528896	\$3.478088	\$3.508328	\$3.807386	\$3.574600	\$0.000000	00	\$3.93	\$89,719	\$1,009,922	\$254,894	\$0	\$171,688	\$0	\$0	\$1,526,223		
11/02/2012	25,424	295,163	72,654	0	48,030	0	0	3.528896	3.478088	3.508328	3.807386	3.574600	0.000000	3.91	89,719	1,026,603	254,894	0	171,688	0	0	1,542,904			
11/03/2012	25,424	267,826	72,654	0	48,030	0	0	3.528896	3.478088	3.508328	3.807386	3.574600	0.000000	3.68	89,719	931,522	254,894	0	171,688	0	0	1,447,823			
11/04/2012	25,424	209,871	72,654	0	48,030	0	0	3.528896	3.478088	3.508328	3.807386	3.574600	0.000000	3.68	89,719	729,950	254,894	0	171,688	0	0	1,246,251			
11/05/2012	25,424	192,300	72,654	0	48,030	0	0	3.528896	3.478088	3.508328	3.807386	3.574600	0.000000	3.68	89,719	668,836	254,894	0	171,688	0	0	1,185,137			
11/06/2012	25,424	193,229	72,654	0	48,030	0	0	3.528896	3.478088	3.508328	3.807386	3.574600	0.000000	3.79	89,719	672,067	254,894	0	171,688	0	0	1,188,368			
11/07/2012	25,424	287,070	72,654	0	48,030	0	0	3.528896	3.478088	3.508328	3.807386	3.574600	0.000000	3.71	89,719	998,455	254,894	0	171,688	0	0	1,514,756			
11/08/2012	216,714	312,038	90,660	0	48,030	0	0	3.528896	3.478088	3.508328	3.807386	3.574600	0.000000	3.88	764,761	1,085,296	318,065	0	171,688	0	0	2,339,810			
11/09/2012	216,714	312,038	262,297	0	48,030	0	0	3.528896	3.478088	3.508328	3.807386	3.574600	0.000000	3.83	764,761	1,085,296	920,224	0	171,688	0	0	2,941,969			
11/10/2012	216,714	312,038	288,176	0	48,030	0	50,144	3.528896	3.478088	3.508328	3.807386	3.574600	0.000000	3.70	764,761	1,085,296	1,011,016	0	171,688	0	185,533	3,218,294			
11/11/2012	216,714	312,038	288,176	0	48,030	0	37,068	3.528896	3.478088	3.508328	3.807386	3.574600	0.000000	3.70	764,761	1,085,296	1,011,016	0	171,688	0	137,152	3,169,913			
11/12/2012	216,714	312,038	288,176	0	48,030	0	25,276	3.528896	3.478088	3.508328	3.807386	3.574600	0.000000	3.70	764,761	1,085,296	1,011,016	0	171,688	0	93,521	3,126,282			
11/13/2012	216,714	312,038	127,958	0	48,030	0	0	3.528896	3.478088	3.508328	3.807386	3.574600	0.000000	3.87	764,761	1,085,296	448,919	0	171,688	0	0	2,470,664			
11/14/2012	216,714	312,038	73,162	0	48,030	0	0	3.528896	3.478088	3.508328	3.807386	3.574600	0.000000	3.94	764,761	1,085,296	256,676	0	171,688	0	0	2,278,421			
11/15/2012	183,070	312,038	72,654	0	48,030	0	0	3.528896	3.478088	3.508328	3.807386	3.574600	0.000000	4.00	646,035	1,085,296	254,894	0	171,688	0	0	2,157,913			
11/16/2012	173,006	312,038	72,654	0	48,030	0	0	3.528896	3.478088	3.508328	3.807386	3.574600	0.000000	3.94	610,520	1,085,296	254,894	0	171,688	0	0	2,122,398			
11/17/2012	138,669	312,038	72,654	0	48,030	0	0	3.528896	3.478088	3.508328	3.807386	3.574600	0.000000	3.84	489,348	1,085,296	254,894	0	171,688	0	0	2,001,226			
11/18/2012	216,714	312,038	113,880	0	48,030	0	0	3.528896	3.478088	3.508328	3.807386	3.574600	0.000000	3.84	764,761	1,085,296	399,528	0	171,688	0	0	2,421,273			
11/19/2012	216,714	312,038	97,330	0	48,030	0	0	3.528896	3.478088	3.508328	3.807386	3.574600	0.000000	3.84	764,761	1,085,296	341,466	0	171,688	0	0	2,363,211			
11/20/2012	164,544	312,038	72,654	0	48,030	0	0	3.528896	3.478088	3.508328	3.807386	3.574600	0.000000	3.91	580,659	1,085,296	254,894	0	171,688	0	0	2,092,537			
11/21/2012	97,773	312,038	72,654	0	48,030	0	0	3.528896	3.478088	3.508328	3.807386	3.574600	0.000000	3.86	345,031	1,085,296	254,894	0	171,688	0	0	1,856,909			
11/22/2012	144,060	312,038	72,654	0	48,030	0	0	3.528896	3.478088	3.508328	3.807386	3.574600	0.000000	3.75	508,373	1,085,296	254,894	0	171,688	0	0	2,020,251			
11/23/2012	209,241	312,038	72,654	0	48,030	0	0	3.528896	3.478088	3.508328	3.807386	3.574600	0.000000	3.75	738,390	1,085,296	254,894	0	171,688	0	0	2,250,268			
11/24/2012	216,714	312,038	114,161	0	48,030	0	0	3.528896	3.478088	3.508328	3.807386	3.574600	0.000000	3.75	764,761	1,085,296	400,514	0	171,688	0	0	2,422,259			
11/25/2012	216,714	312,038	187,864	0	48,030	0	0	3.528896	3.478088	3.508328	3.807386	3.574600	0.000000	3.75	764,761	1,085,296	659,089	0	171,688	0	0	2,680,834			
11/26/2012	216,714	312,038	288,176	0	48,030	0	25,989	3.528896	3.478088	3.508328	3.807386	3.574600	0.000000	3.75	764,761	1,085,296	1,011,016	0	171,688	0	97,459	3,130,220			
11/27/2012	216,714	312,038	225,123	0	48,030	0	0	3.528896	3.478088	3.508328	3.807386	3.574600	0.000000	4.03	764,761	1,085,296	789,805	0	171,688	0	0	2,811,550			
11/28/2012	216,714	312,038	211,747	0	48,030	0	0	3.528896	3.478088	3.508328	3.807386	3.574600	0.000000	4.06	764,761	1,085,296	742,878	0	171,688	0	0	2,764,623			
11/29/2012	186,143	312,038	72,654	0	48,030	0	0	3.528896	3.478088	3.508328	3.807386	3.574600	0.000000	4.01	656,879	1,085,296	254,894	0	171,688	0	0	2,168,757			
11/30/2012	173,608	312,038	72,654	0	48,030	0	0	3.528896	3.478088	3.508328	3.807386	3.574600	0.000000	3.93	612,645	1,085,296	254,894	0	171,688	0	0	2,124,523			
4,682,078 8,912,700 3,819,350								0 1,440,900 0 138,477							\$16,522,567 \$30,999,163 \$13,399,532							\$0 \$5,150,640		\$0 \$513,665 \$66,585,567	

Pacific Gas and Electric Company
Core Gas Supply CPIM Benchmark Calculation
Fixed Transportation and Storage Costs
November 2012

Confidential Material
Submitted pursuant to
General Order 66-C and
P.U. Code Section 583

<u>Canadian</u>	Volume (GJ) (a)	Unit Cost/Rate (Can.\$) (c)/(a) (b)	Fixed Transportation Costs (Can. \$) (c)	Exchange Rate (d)	Fixed Transportation Costs (U.S. \$) (e)
Foothills Pipelines Ltd. (GJ/d)	378,306	\$2.86082	\$1,082,265	1.00668	\$1,089,494
Nova Gas Transmission Ltd. (GJ/d)	382,204	4.96000	1,895,732	1.00668	1,908,395
Canadian Subtotal	<u>760,510</u>		<u>\$2,977,997</u>		<u>\$2,997,889</u>
<u>U.S. Interstate</u>	Volume (MMBtu) (a)	Unit Cost/Rate (U.S. \$) (c)/(a) (b)			Fixed Transportation and Storage Costs (U.S. \$) (c)
Gas Transmission Northwest Corporation (MMBtu/d)	352,467	\$10.35337			\$3,649,221
El Paso Natural Gas Company (MMBtu/d)	148,577	9.56147			1,420,615
Ruby Pipeline (MMBtu/d)	244,792	20.98293			5,136,452
Kern River Gas Transmission (MMBtu/d)	48,515	8.40000			407,526
Transwestern Pipeline Company - 101629 (MMBtu)	4,406,190	0.32336			1,424,803
U.S. Interstate Subtotal	<u>5,200,541</u>				<u>\$12,038,617</u>
<u>Intrastate Transmission</u>					
California Gas Transmission (CGT)					
On Baja (MMBtu/d)	336,205	\$5.28830			\$1,777,953
On Redwood (MMBtu/d)	528,751	4.65340			2,460,490
Intrastate Transmission Subtotal	<u>864,956</u>				<u>\$4,238,443</u>
<u>Storage</u>					
CGT Firm Storage (MMBtu Inventory)	32,629,203	\$0.12480			\$4,072,125
Lodi Gas Storage, Inc. (MMBtu Inventory)	1,500,000	0.12900			193,500
Storage Subtotal	<u>34,129,203</u>				<u>\$4,265,625</u>
Total Fixed Transportation & Storage Costs					<u>\$23,540,574</u>

**Pacific Gas and Electric Company
Core Gas Supply CPIM Calculation
Capacity Release Revenue
November 2012**

**Confidential Material
Submitted pursuant to
General Order 66-C and
P.U. Code Section 583**

Pipeline	Term	MMBtu	Amount	Avg. Rate	Discount/ (Premium) Amount
NOVA Gas Transmission Ltd.	11/28/2012 - 11/28/2012	(71,086)	(\$12,483)	0.17560	\$1,913
Ruby Pipeline	11/01/2012 - 11/30/2012	(1,200,000)	(\$48,000)	0.04000	\$0
Grand Total		(1,271,086)	(\$60,483)		\$1,913

**Pacific Gas and Electric Company
Core Gas Supply CPIM Calculation
Commodity Purchases and Sales
December 2012**

**Confidential Material
Submitted pursuant to
General Order 66-C and
P.U. Code Section 583**

Pipeline/Purchase Point	Purchases (MMBtu) (a)	Sales (MMBtu) (b)	Net Purchases and Sales (MMBtu) (a)+(b) (c)	Actual Commodity Costs (d)	Volumetric Transportation Costs (e)	Actual Commodity Sales (f)	Total Net Costs (d)+(e)+(f) (g)
CGT - Baja	0	0	0	\$0	\$1,072,266	\$0	\$1,072,266
CGT - Citygate	239,794	(2,696,971)	(2,457,177)	894,432	0	(10,259,734)	(9,365,302)
CGT - Redwood	0	0	0	0	1,135,990	0	1,135,990
EPNG - Basin	4,683,825	0	4,683,825	16,733,093	153,741	0	16,886,834
EPNG - Topock	675,826	0	675,826	2,401,416	0	0	2,401,416
Kern River - Daggett	693,413	0	693,413	2,454,925	7,341	0	2,462,266
Kern River - Opal	1,498,542	0	1,498,542	5,416,181	0	0	5,416,181
Kern River Station	0	0	0	0	0	0	0
NGTL - AECO/NIT	11,273,999	(111,653)	11,162,346	38,921,200	0	(387,177)	38,534,023
GTNC - All	0	(1,274,271)	(1,274,271)	0	126,554	(4,368,250)	(4,241,696)
Ruby Pipeline	6,968,890	(61,000)	6,907,890	24,944,174	174,222	(201,370)	24,917,026
TW - Basin	4,594,416	0	4,594,416	16,508,070	57,994	0	16,566,064
TW - Topock	1,281,886	0	1,281,886	4,493,193	0	0	4,493,193
Total Commodity Purchases and Sales	31,910,591	(4,143,895)	27,766,696	\$112,766,684	\$2,728,108	(\$15,216,531)	\$100,278,261

**Pacific Gas and Electric Company
Core Gas Supply CPIM Calculation
Reservation Charges & Other Costs/Revenues
December 2012**

**Confidential Material
Submitted pursuant to
General Order 66-C and
P.U. Code Section 583**

<u>California Gas Transmission</u>	<u>Amount</u>
Demand Charge:	
Baja Path	\$3,764,030
Redwood Path	2,463,077
Firm Core Storage	4,072,125
Total California Gas Transmission	<u>\$10,299,232</u>

<u>El Paso Natural Gas Company</u>	<u>Amount</u>
Demand Charge	\$1,418,231
Reservation Charge Discount	(33,625)
Total El Paso Natural Gas Company	<u>\$1,384,606</u>

<u>Lodi Gas Storage, Inc.</u>	<u>Amount</u>
Demand Charge	\$193,500
Injection/Withdrawal Charge	4,000
Total Lodi Gas Storage, Inc.	<u>\$197,500</u>

<u>Gas Transmission Northwest Corporation</u>	<u>Amount</u>
Demand Charge	\$3,770,860
Total Gas Transmission Northwest Corporation	<u>\$3,770,860</u>

<u>Transwestern Pipeline Company</u>	<u>Amount</u>
Demand Charge	\$1,473,363
Reservation Charge Discount	(10,672)
Total Transwestern Pipeline Company	<u>\$1,462,691</u>

<u>Foothills Pipelines Ltd.</u>	<u>Amount</u>
Demand Charge	\$1,088,369
Total Foothills Pipelines Ltd.	<u>\$1,088,369</u>

<u>Nova Gas Transmission Ltd.</u>	<u>Amount</u>
Demand Charge	\$1,906,424
Total Nova Gas Transmission Ltd.	<u>\$1,906,424</u>

<u>Ruby Pipeline</u>	<u>Amount</u>
Demand Charge	\$5,135,306
Total Ruby Pipeline	<u>\$5,135,306</u>

<u>Kern River Gas Transmission</u>	<u>Amount</u>
Demand Charge	\$421,110
Reservation Charge Discount	(14,898)
Total Kern River Gas Transmission	<u>\$406,212</u>

<u>Miscellaneous Costs and Revenues</u>	<u>Amount</u>
Broker Fees	\$9,899
Cochrane Extraction Revenue	(736,104)
OFO Charge	15,267
Total Miscellaneous Costs and Revenues	<u>(\$710,938)</u>

**Pacific Gas and Electric Company
Core Gas Supply CPIM Calculation
CPIM Performance Summary
December 2012**

Confidential Material
Submitted pursuant to
General Order 66-C and
P.U. Code Section 583

	Actual Costs	Benchmark Costs	Benchmark - Actual Costs
<u>Commodity Costs and Revenues</u>			
CGT - Baja	\$49,298,221		
CGT - Citygate	894,432		
CGT - Redwood	65,302,141		
Commodity Sales	(15,216,531)		
Subtotal Commodity	\$100,278,262	\$92,763,407	(\$7,514,855)
Miscellaneous Costs and Revenues	(710,938)	0	710,938
Total Net Commodity	\$99,567,324	\$92,763,407	(\$6,803,917)
<u>Financial Transactions</u>			
Winter Hedge Program:			
Option Premiums	\$3,467,228	\$2,773,783	(\$693,445)
Option and F/F Swap Settlements	3,971,164	3,176,931	(794,232)
Commissions and Fees	9,792	7,833	(1,958)
Other Financial Transactions	0	0	0
Total Financial Costs and Revenues	\$7,448,184	\$5,958,547	(\$1,489,635)
Total Commodity Costs	\$107,015,508	\$98,721,954	(\$8,293,552)
<u>Demand Charges</u>			
Foothills Pipelines Ltd.	\$1,088,369	\$1,088,369	\$0
California Gas Transmission	10,299,232	10,299,232	0
El Paso Natural Gas Company	1,384,606	1,418,231	33,625
Lodi Gas Storage, Inc.	197,500	197,500	0
Nova Gas Transmission Ltd.	1,906,424	1,906,424	0
Gas Transmission Northwest Corporation	3,770,860	3,770,860	0
Ruby Pipeline	5,135,306	5,135,306	0
Transwestern Pipeline Company	1,462,691	1,473,363	10,672
Kern River Gas Transmission	406,212	421,110	14,898
Total Demand Charges	\$25,651,200	\$25,710,395	\$59,195
Total Costs	\$132,666,708	\$124,432,349	(\$8,234,357)

**Pacific Gas and Electric Company
Core Gas Supply CPIM Calculation
Modified Determined Usage
December 2012**

Confidential Material
Submitted pursuant to
General Order 66-C and
P.U. Code Section 583

Date	Burner Tip Modified Determined Usage (Therms) (a)	Modified Determined Use Grossed up to Citygate (Therms) (a)x(1+ Shrinkage Rate) (b)	Modified Determined Use Therms Converted to MMBtu (c)	Operating Imbalance Adjustment (MMBtu) (d)	Firm Storage CPIM Profile Injection/ (Withdrawal) (MMBtu) (e)	Incremental Storage Injection/ (Withdrawal) (MMBtu) (f)	Benchmark Load at Citygate (c)+(d)+(e)+(f) (MMBtu) (g)
12/01/2012	6,606,343	6,718,651	671,865	3,945	(357,883)	0	317,927
12/02/2012	7,429,286	7,555,584	755,558	3,944	(357,883)	0	401,619
12/03/2012	8,395,709	8,538,436	853,844	3,944	(357,883)	0	499,905
12/04/2012	7,458,509	7,585,304	758,530	3,944	(357,883)	0	404,591
12/05/2012	7,456,615	7,583,377	758,338	3,944	(357,883)	0	404,399
12/06/2012	7,940,249	8,075,233	807,523	3,944	(357,883)	0	453,584
12/07/2012	9,142,831	9,298,259	929,826	3,944	(357,883)	0	575,887
12/08/2012	8,654,331	8,801,455	880,145	3,944	(357,884)	0	526,205
12/09/2012	9,751,260	9,917,031	991,703	3,944	(357,884)	0	637,763
12/10/2012	9,882,735	10,050,741	1,005,074	3,944	(357,884)	0	651,134
12/11/2012	9,867,917	10,035,672	1,003,567	3,944	(357,884)	0	649,627
12/12/2012	11,820,467	12,021,415	1,202,141	3,944	(357,884)	0	848,201
12/13/2012	13,531,891	13,761,933	1,376,193	3,944	(357,884)	0	1,022,253
12/14/2012	14,043,914	14,282,661	1,428,266	3,944	(357,884)	0	1,074,326
12/15/2012	13,603,985	13,835,253	1,383,525	3,944	(357,884)	0	1,029,585
12/16/2012	12,384,614	12,595,152	1,259,515	3,944	(357,884)	0	905,575
12/17/2012	12,159,635	12,366,349	1,236,635	3,944	(357,884)	0	882,695
12/18/2012	15,010,050	15,265,221	1,526,522	3,944	(357,884)	0	1,172,582
12/19/2012	15,906,509	16,176,920	1,617,692	3,944	(357,884)	0	1,263,752
12/20/2012	14,049,374	14,288,213	1,428,821	3,944	(357,884)	0	1,074,881
12/21/2012	11,379,491	11,572,942	1,157,294	3,944	(357,884)	0	803,354
12/22/2012	10,808,842	10,992,592	1,099,259	3,944	(357,884)	0	745,319
12/23/2012	10,066,348	10,237,476	1,023,748	3,944	(357,884)	0	669,808
12/24/2012	11,680,537	11,879,106	1,187,911	3,944	(357,884)	0	833,971
12/25/2012	12,393,329	12,604,016	1,260,402	3,944	(357,884)	0	906,462
12/26/2012	13,598,646	13,829,823	1,382,982	3,944	(357,884)	0	1,029,042
12/27/2012	14,739,741	14,990,317	1,499,032	3,944	(357,884)	(100,000)	1,045,092
12/28/2012	13,896,714	14,132,958	1,413,296	3,944	(357,884)	0	1,059,356
12/29/2012	14,436,386	14,681,805	1,468,180	3,944	(357,884)	(100,000)	1,014,240
12/30/2012	14,966,644	15,221,077	1,522,108	3,944	(357,884)	(100,000)	1,068,168
12/31/2012	15,187,878	15,446,072	1,544,607	3,944	(357,884)	(100,000)	1,090,667
	358,250,780	364,341,044	36,434,102	122,265	(11,094,397)	(400,000)	25,061,970

**Pacific Gas and Electric Company
Core Gas Supply CPIM Calculation
Firm Storage Inventory
December 2012**

Confidential Material
Submitted pursuant to
General Order 66-C and
P.U. Code Section 583

Date	Nominations Injection/ (Withdrawal) (MMBtu) (a)	Imbalance Trading (MMBtu) (b)	Sales/ Transfers (MMBtu) (c)	Parking (MMBtu) (d)	Ending Inventory (a)+(b)+(c)+(d) (e)
Beginning Balance					31,377,555
12/01/2012	15,000	0	0	0	31,392,555
12/02/2012	(40,000)	0	0	0	31,352,555
12/03/2012	(140,000)	0	0	0	31,212,555
12/04/2012	0	0	0	0	31,212,555
12/05/2012	0	0	0	0	31,212,555
12/06/2012	0	0	0	0	31,212,555
12/07/2012	(100,000)	0	0	0	31,112,555
12/08/2012	(130,000)	0	0	0	30,982,555
12/09/2012	(245,000)	0	0	0	30,737,555
12/10/2012	(345,000)	0	0	0	30,392,555
12/11/2012	(115,000)	0	0	0	30,277,555
12/12/2012	(345,000)	0	0	0	29,932,555
12/13/2012	(525,000)	0	0	0	29,407,555
12/14/2012	(590,000)	0	0	0	28,817,555
12/15/2012	(540,000)	0	0	0	28,277,555
12/16/2012	(415,000)	0	0	0	27,862,555
12/17/2012	(395,000)	0	0	0	27,467,555
12/18/2012	(555,000)	0	0	0	26,912,555
12/19/2012	(774,000)	0	0	0	26,138,555
12/20/2012	(580,000)	0	0	0	25,558,555
12/21/2012	(303,000)	0	0	0	25,255,555
12/22/2012	(166,000)	0	0	0	25,089,555
12/23/2012	(59,000)	0	0	0	25,030,555
12/24/2012	(225,000)	0	0	0	24,805,555
12/25/2012	(414,000)	0	0	0	24,391,555
12/26/2012	(538,000)	(257,639)	0	0	23,595,916
12/27/2012	(427,000)	0	0	0	23,168,916
12/28/2012	(435,000)	0	0	0	22,733,916
12/29/2012	(359,000)	0	0	0	22,374,916
12/30/2012	(413,000)	0	0	0	21,961,916
12/31/2012	(435,000)	0	0	0	21,526,916
Total	(9,593,000)	(257,639)	0	0	

**Pacific Gas and Electric Company
Core Gas Supply CPIM Calculation
Incremental Storage Inventory
December 2012**

Confidential Material
Submitted pursuant to
General Order 66-C and
P.U. Code Section 583

<u>Lodi Gas Storages, Inc</u>			
Date	Nominations at Field (MMBtu) (a)	Equivalent at Citygate (MMBtu) (1) (b)	Ending Inventory Beg Bal + (a) (c)
Beginning Balance			1,500,000
12/01/2012	0		0 1,500,000
12/02/2012	0		0 1,500,000
12/03/2012	0		0 1,500,000
12/04/2012	0		0 1,500,000
12/05/2012	0		0 1,500,000
12/06/2012	0		0 1,500,000
12/07/2012	0		0 1,500,000
12/08/2012	0		0 1,500,000
12/09/2012	0		0 1,500,000
12/10/2012	0		0 1,500,000
12/11/2012	0		0 1,500,000
12/12/2012	0		0 1,500,000
12/13/2012	0		0 1,500,000
12/14/2012	0		0 1,500,000
12/15/2012	0		0 1,500,000
12/16/2012	0		0 1,500,000
12/17/2012	0		0 1,500,000
12/18/2012	0		0 1,500,000
12/19/2012	0		0 1,500,000
12/20/2012	0		0 1,500,000
12/21/2012	0		0 1,500,000
12/22/2012	0		0 1,500,000
12/23/2012	0		0 1,500,000
12/24/2012	0		0 1,500,000
12/25/2012	0		0 1,500,000
12/26/2012	0		0 1,500,000
12/27/2012	(100,000)	(100,000)	1,400,000
12/28/2012	0		0 1,400,000
12/29/2012	(100,000)	(100,000)	1,300,000
12/30/2012	(100,000)	(100,000)	1,200,000
12/31/2012	(100,000)	(100,000)	1,100,000
Total	(400,000)	(400,000)	

(1) Includes 1.0% shrinkage for injection.

Pacific Gas and Electric Company
 Core Gas Supply CPIM Benchmark Calculation
 Daily Benchmark Sequence
 December 2012

Confidential Material
 Submitted pursuant to
 General Order 66-C and
 P.U. Code Section 583

SEQUENCED VOLUMES AT CITYGATE

Date	Benchmark Load		AECO	San Juan	Kingsgate	Kern River	AECO	AECO	San Juan	Ruby	San Juan	Ruby	Topock	Citygate
	at Citygate	Ruby												
	Benchmark	25,449	72,667	72,654	0	48,030	119,850	119,850	109,921	95,746	109,921	95,746	314,540	
12/01/2012	317,927	25,449	72,667	72,654	0	48,030	99,127	0	0	0	0	0	0	0
12/02/2012	401,619	25,449	72,667	72,654	0	48,030	119,850	62,969	0	0	0	0	0	0
12/03/2012	499,905	25,449	72,667	72,654	0	48,030	119,850	119,850	41,405	0	0	0	0	0
12/04/2012	404,591	25,449	72,667	72,654	0	48,030	119,850	65,941	0	0	0	0	0	0
12/05/2012	404,399	25,449	72,667	72,654	0	48,030	119,850	65,749	0	0	0	0	0	0
12/06/2012	453,584	25,449	72,667	72,654	0	48,030	119,850	114,934	0	0	0	0	0	0
12/07/2012	575,887	25,449	72,667	72,654	0	48,030	119,850	119,850	109,921	7,466	0	0	0	0
12/08/2012	526,205	25,449	72,667	72,654	0	48,030	119,850	119,850	67,705	0	0	0	0	0
12/09/2012	637,763	25,449	72,667	72,654	0	48,030	119,850	119,850	109,921	69,342	0	0	0	0
12/10/2012	651,134	25,449	72,667	72,654	0	48,030	119,850	119,850	109,921	82,713	0	0	0	0
12/11/2012	649,627	25,449	72,667	72,654	0	48,030	119,850	119,850	109,921	81,206	0	0	0	0
12/12/2012	848,201	25,449	72,667	72,654	0	48,030	119,850	119,850	109,921	95,746	109,921	74,113	0	0
12/13/2012	1,022,253	25,449	72,667	72,654	0	48,030	19,850	119,850	109,921	95,746	109,921	95,746	152,419	0
12/14/2012	1,074,326	25,449	72,667	72,654	0	48,030	19,850	119,850	109,921	95,746	109,921	95,746	204,492	0
12/15/2012	1,029,585	25,449	72,667	72,654	0	48,030	19,850	119,850	109,921	95,746	109,921	95,746	159,751	0
12/16/2012	905,575	25,449	72,667	72,654	0	48,030	119,850	119,850	109,921	95,746	109,921	95,746	35,741	0
12/17/2012	882,695	25,449	72,667	72,654	0	48,030	119,850	119,850	109,921	95,746	109,921	95,746	12,861	0
12/18/2012	1,172,582	25,449	72,667	72,654	0	48,030	19,850	119,850	109,921	95,746	109,921	95,746	302,748	0
12/19/2012	1,263,752	25,449	72,667	72,654	0	48,030	19,850	119,850	109,921	95,746	109,921	95,746	314,540	79,378
12/20/2012	1,074,881	25,449	72,667	72,654	0	48,030	19,850	119,850	109,921	95,746	109,921	95,746	205,047	0
12/21/2012	803,354	25,449	72,667	72,654	0	48,030	119,850	119,850	109,921	95,746	109,921	29,266	0	0
12/22/2012	745,319	25,449	72,667	72,654	0	48,030	119,850	119,850	109,921	95,746	81,152	0	0	0
12/23/2012	669,808	25,449	72,667	72,654	0	48,030	119,850	119,850	109,921	95,746	5,641	0	0	0
12/24/2012	833,971	25,449	72,667	72,654	0	48,030	119,850	119,850	109,921	95,746	109,921	59,883	0	0
12/25/2012	906,462	25,449	72,667	72,654	0	48,030	119,850	119,850	109,921	95,746	109,921	95,746	36,628	0
12/26/2012	1,029,042	25,449	72,667	72,654	0	48,030	19,850	119,850	109,921	95,746	109,921	95,746	159,208	0
12/27/2012	1,045,092	25,449	72,667	72,654	0	48,030	19,850	119,850	109,921	95,746	109,921	95,746	175,258	0
12/28/2012	1,059,356	25,449	72,667	72,654	0	48,030	19,850	119,850	109,921	95,746	109,921	95,746	189,522	0
12/29/2012	1,014,240	25,449	72,667	72,654	0	48,030	19,850	119,850	109,921	95,746	109,921	95,746	144,406	0
12/30/2012	1,068,168	25,449	72,667	72,654	0	48,030	19,850	119,850	109,921	95,746	109,921	95,746	198,334	0
12/31/2012	1,090,667	25,449	72,667	72,654	0	48,030	119,850	119,850	109,921	95,746	109,921	95,746	220,833	0
	25,061,970	788,919	2,252,677	2,252,274	0	1,488,930	3,694,627	3,425,693	2,747,214	2,155,647	2,065,371	1,599,452	2,511,788	79,378

Pacific Gas and Electric Company
Core Gas Supply CPIM Calculation
Daily Benchmark Summary
December 2012

Confidential Material
Submitted pursuant to
General Order 66-C and
P.U. Code Section 583

SEQUENCED VOLUMES AT CITYGATE								INDICES AT CITYGATE							TOTAL COMMODITY BENCHMARK								
Date	Ruby	AECO	San Juan	Kingsgate	Kern River	Topock	Citygate	Ruby Rookies	AECO	San Juan	Kingsgate	Kern River	Topock	PG&E Citygate Daily	Ruby Rookies	AECO	San Juan	Kingsgate	Kern River	Topock	Citygate	Total	
12/01/2012	25,449	171,794	72,654	0	48,030	0	0	\$3.751118	\$3.638152	\$3.766402	\$3.967722	\$3.798616	\$3.605400	00	\$3.84	\$95,462	\$625,013	\$273,644	\$0	\$182,448	\$0	\$0	\$1,176,567
12/02/2012	25,449	255,486	72,654	0	48,030	0	0	3.751118	3.638152	3.766402	3.967722	3.798616	3.605400	3.84	95,462	929,497	273,644	0	182,448	0	0	1,481,051	
12/03/2012	25,449	312,367	114,059	0	48,030	0	0	3.751118	3.638152	3.766402	3.967722	3.798616	3.605400	3.84	95,462	1,136,439	429,592	0	182,448	0	0	1,843,941	
12/04/2012	25,449	258,458	72,654	0	48,030	0	0	3.751118	3.638152	3.766402	3.967722	3.798616	3.605400	3.85	95,462	940,309	273,644	0	182,448	0	0	1,491,863	
12/05/2012	25,449	258,266	72,654	0	48,030	0	0	3.751118	3.638152	3.766402	3.967722	3.798616	3.605400	3.80	95,462	939,611	273,644	0	182,448	0	0	1,491,165	
12/06/2012	25,449	307,451	72,654	0	48,030	0	0	3.751118	3.638152	3.766402	3.967722	3.798616	3.605400	3.91	95,462	1,118,553	273,644	0	182,448	0	0	1,670,107	
12/07/2012	32,915	312,367	182,575	0	48,030	0	0	3.751118	3.638152	3.766402	3.967722	3.798616	3.605400	3.96	123,468	1,136,439	687,651	0	182,448	0	0	2,130,006	
12/08/2012	25,449	312,367	140,359	0	48,030	0	0	3.751118	3.638152	3.766402	3.967722	3.798616	3.605400	3.91	95,462	1,136,439	528,648	0	182,448	0	0	1,942,997	
12/09/2012	94,791	312,367	182,575	0	48,030	0	0	3.751118	3.638152	3.766402	3.967722	3.798616	3.605400	3.91	355,572	1,136,439	687,651	0	182,448	0	0	2,362,110	
12/10/2012	108,162	312,367	182,575	0	48,030	0	0	3.751118	3.638152	3.766402	3.967722	3.798616	3.605400	3.91	405,728	1,136,439	687,651	0	182,448	0	0	2,412,266	
12/11/2012	106,655	312,367	182,575	0	48,030	0	0	3.751118	3.638152	3.766402	3.967722	3.798616	3.605400	3.79	400,075	1,136,439	687,651	0	182,448	0	0	2,406,613	
12/12/2012	195,308	312,367	292,496	0	48,030	0	0	3.751118	3.638152	3.766402	3.967722	3.798616	3.605400	3.79	732,623	1,136,439	1,101,658	0	182,448	0	0	3,153,168	
12/13/2012	216,941	312,367	292,496	0	48,030	152,419	0	3.751118	3.638152	3.766402	3.967722	3.798616	3.605400	3.74	813,771	1,136,439	1,101,658	0	182,448	549,531	0	3,783,847	
12/14/2012	216,941	312,367	292,496	0	48,030	204,492	0	3.751118	3.638152	3.766402	3.967722	3.798616	3.605400	3.64	813,771	1,136,439	1,101,658	0	182,448	737,275	0	3,971,591	
12/15/2012	216,941	312,367	292,496	0	48,030	159,751	0	3.751118	3.638152	3.766402	3.967722	3.798616	3.605400	3.59	813,771	1,136,439	1,101,658	0	182,448	575,966	0	3,810,282	
12/16/2012	216,941	312,367	292,496	0	48,030	35,741	0	3.751118	3.638152	3.766402	3.967722	3.798616	3.605400	3.59	813,771	1,136,439	1,101,658	0	182,448	128,861	0	3,363,177	
12/17/2012	216,941	312,367	292,496	0	48,030	12,861	0	3.751118	3.638152	3.766402	3.967722	3.798616	3.605400	3.59	813,771	1,136,439	1,101,658	0	182,448	46,369	0	3,280,685	
12/18/2012	216,941	312,367	292,496	0	48,030	302,748	0	3.751118	3.638152	3.766402	3.967722	3.798616	3.605400	3.72	813,771	1,136,439	1,101,658	0	182,448	1,091,528	0	4,325,844	
12/19/2012	216,941	312,367	292,496	0	48,030	314,540	79,378	3.751118	3.638152	3.766402	3.967722	3.798616	3.605400	3.74	813,771	1,136,439	1,101,658	0	182,448	1,134,043	296,874	4,665,233	
12/20/2012	216,941	312,367	292,496	0	48,030	205,047	0	3.751118	3.638152	3.766402	3.967722	3.798616	3.605400	3.64	813,771	1,136,439	1,101,658	0	182,448	739,276	0	3,973,592	
12/21/2012	150,461	312,367	292,496	0	48,030	0	0	3.751118	3.638152	3.766402	3.967722	3.798616	3.605400	3.73	564,397	1,136,439	1,101,658	0	182,448	0	0	2,984,942	
12/22/2012	121,195	312,367	263,727	0	48,030	0	0	3.751118	3.638152	3.766402	3.967722	3.798616	3.605400	3.85	454,617	1,136,439	993,302	0	182,448	0	0	2,766,806	
12/23/2012	121,195	312,367	188,216	0	48,030	0	0	3.751118	3.638152	3.766402	3.967722	3.798616	3.605400	3.85	454,617	1,136,439	708,897	0	182,448	0	0	2,482,401	
12/24/2012	181,078	312,367	292,496	0	48,030	0	0	3.751118	3.638152	3.766402	3.967722	3.798616	3.605400	3.85	679,245	1,136,439	1,101,658	0	182,448	0	0	3,099,790	
12/25/2012	216,941	312,367	292,496	0	48,030	36,628	0	3.751118	3.638152	3.766402	3.967722	3.798616	3.605400	3.67	813,771	1,136,439	1,101,658	0	182,448	132,059	0	3,366,375	
12/26/2012	216,941	312,367	292,496	0	48,030	159,208	0	3.751118	3.638152	3.766402	3.967722	3.798616	3.605400	3.67	813,771	1,136,439	1,101,658	0	182,448	574,009	0	3,808,325	
12/27/2012	216,941	312,367	292,496	0	48,030	175,258	0	3.751118	3.638152	3.766402	3.967722	3.798616	3.605400	3.75	813,771	1,136,439	1,101,658	0	182,448	631,875	0	3,866,191	
12/28/2012	216,941	312,367	292,496	0	48,030	189,522	0	3.751118	3.638152	3.766402	3.967722	3.798616	3.605400	3.66	813,771	1,136,439	1,101,658	0	182,448	683,303	0	3,917,619	
12/29/2012	216,941	312,367	292,496	0	48,030	144,406	0	3.751118	3.638152	3.766402	3.967722	3.798616	3.605400	3.73	813,771	1,136,439	1,101,658	0	182,448	520,641	0	3,754,957	
12/30/2012	216,941	312,367	292,496	0	48,030	198,334	0	3.751118	3.638152	3.766402	3.967722	3.798616	3.605400	3.73	813,771	1,136,439	1,101,658	0	182,448	715,073	0	3,949,389	
12/31/2012	216,941	312,367	292,496	0	48,030	220,833	0	3.751118	3.638152	3.766402	3.967722	3.798616	3.605400	3.73	813,771	1,136,439	1,101,658	0	182,448	796,191	0	4,030,507	
4,544,018 9,372,997 7,064,859								0 1,488,930 2,511,788 79,378							\$17,045,141 \$34,100,397 \$26,609,107								
															\$0 \$5,655,888 \$ 9,056,000 \$296,874 \$92,763,407								

Pacific Gas and Electric Company
Core Gas Supply CPIM Benchmark Calculation
Fixed Transportation and Storage Costs
December 2012

Confidential Material
Submitted pursuant to
General Order 66-C and
P.U. Code Section 583

<u>Canadian</u>	Volume (GJ) (a)	Unit Cost/Rate (Can.\$) (c)/(a) (b)	Fixed Transportation Costs (Can. \$) (c)	Exchange Rate (d)	Fixed Transportation Costs (U.S. \$) (e)
Foothills Pipelines Ltd. (GJ/d)	378,306	\$2.86082	\$1,082,265	1.00564	\$1,088,369
Nova Gas Transmission Ltd. (GJ/d)	382,204	4.96000	1,895,732	1.00564	1,906,424
Canadian Subtotal	<u>760,510</u>		<u>\$2,977,997</u>		<u>\$2,994,793</u>
<u>U.S. Interstate</u>	Volume (MMBtu) (a)	Unit Cost/Rate (U.S. \$) (c)/(a) (b)			Fixed Transportation and Storage Costs (U.S. \$) (c)
Gas Transmission Northwest Corporation (MMBtu/d)	352,468	\$10.69845			\$3,770,860
El Paso Natural Gas Company (MMBtu/d)	148,577	9.54543			1,418,231
Ruby Pipeline (MMBtu/d)	244,792	20.97824			5,135,306
Kern River Gas Transmission (MMBtu/d)	48,515	8.68000			421,110
Transwestern Pipeline Company - 101629 (MMBtu)	4,553,063	0.32360			1,473,363
U.S. Interstate Subtotal	<u>5,347,415</u>				<u>\$12,218,870</u>
<u>Intrastate Transmission</u>					
California Gas Transmission (CGT)					
On Baja (MMBtu/d)	649,130	\$5.79858			\$3,764,030
On Redwood (MMBtu/d)	529,307	4.65340			2,463,077
Intrastate Transmission Subtotal	<u>1,178,437</u>				<u>\$6,227,107</u>
<u>Storage</u>					
CGT Firm Storage (MMBtu Inventory)	32,629,203	\$0.12480			\$4,072,125
Lodi Gas Storage, Inc. (MMBtu Inventory)	1,500,000	0.13167			197,500
Storage Subtotal	<u>34,129,203</u>				<u>\$4,269,625</u>
Total Fixed Transportation & Storage Costs					<u>\$25,710,395</u>

**Pacific Gas and Electric Company
Core Gas Supply CPIM Calculation
Capacity Release Revenue
December 2012**

**Confidential Material
Submitted pursuant to
General Order 66-C and
P.U. Code Section 583**

**Pacific Gas and Electric Company
Core Gas Supply CPIM Calculation
Kingsgate Index
November 01, 2012 - December 31, 2012**

**Confidential Material
Submitted pursuant to
General Order 66-C and
P.U. Code Section 583**

Month/Year	Kingsgate Index US \$/ MMBtu (1) (a)	GTNC Fuel % (c)	Kingsgate Index Grossed up (b)/[1-(c)] (d)	GTNC Volumetric Rate (e)	Total Index at Malin (d) + (e) (f)	CGT Fuel % (g)	Malin Index Grossed up (f)/[1-(g)] (h)	Redwood CGT Volumetric Rate (i)	Total Citygate Index (h)+(i) US \$/ MMBtu (j)
Nov-2012	3.646176	1.163674%	3.689106	0.01159936	3.700705	1.00%	3.738086	0.0693	3.807386
Dec-2012	3.795992	1.347412%	3.847838	0.01159936	3.859438	1.00%	3.898422	0.0693	3.967722

(1) CGPR NGX AB-NIT Month Ahead Index (7A) CS/GJ + BC System As-Available Rate converted to US \$/MMBtu

**Pacific Gas and Electric Company
Core Gas Supply CPIM Calculation
Malin Index
November 01, 2012 - December 31, 2012**

**Confidential Material
Submitted pursuant to
General Order 66-C and
P.U. Code Section 583**

Month/Year (a)	AECO Index Can \$/ GJ (1) (b)	Conversion of AECO Index to Can \$/ MMBtu (2) (c)	Foothills Fuel % (d)	AECO Index Grossed up (c)/[1-(d)] (e)	Monthly Exchange Rate (3) (f)	AECO/ Kingsgate Index (e)/(f) US \$/ MMBtu (g)	GTNC Fuel % (h)	Kingsgate Index Grossed up (g)/[1-(h)] (i)	GTNC Volumetric Rate (j)	Total Malin Index (i) + (j) (k)	CGT Fuel % (l)	Malin Index Grossed up (k)/[1-(l)] (m)	Redwood CGT Volumetric Rate (n)	Total Citygate Index (m) + (n) US \$/ MMBtu (o)
Nov-2012	3.1047	3.275632363	0.79580%	3.301909	0.993364	3.323966	1.163674%	3.363101	0.01159936	3.374701	1.00%	3.408788	0.0693	3.478088
Dec-2012	3.2483	3.427138405	0.79580%	3.454630	0.994392	3.474114	1.347412%	3.521564	0.01159936	3.533164	1.00%	3.568852	0.0693	3.638152

(1) CGPR NGX AB-NIT Month Ahead Index (7A) CS/GJ

(2) A conversion rate of 1.055056 GJ/MMBtu is used.

(3) This is the Canadian exchange rate at date of settlement.

**Pacific Gas and Electric Company
Core Gas Supply CPIM Calculation
San Juan Index
November 01, 2012 - December 31, 2012**

**Confidential Material
Submitted pursuant to
General Order 66-C and
P.U. Code Section 583**

Month/Year (a)	San Juan Index US \$/ MMBtu (1)	TW Contract 101629 Fuel % (c)	San Juan Index Grossed up (b)/[1-(c)] (d)	TW Volumetric Rate (e)	San Juan Index Grossed up To Topock (d)+(e) (f)	CGT Fuel % (g)	San Juan Index Grossed up (f)/ [1-(g)] (h)	Baja CGT Volumetric Rate (i)	Total Citygate Index (h)+(i) US \$/ MMBtu (j)
	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)
Nov-2012	3.310	2.15%	3.382729	0.0129	3.395629	1.00%	3.429928	0.0784	3.508328
Dec-2012	3.560	2.15%	3.638222	0.0129	3.651122	1.00%	3.688002	0.0784	3.766402

(1) PER INSIDE FERC PUBLICATION

**Pacific Gas and Electric Company
Core Gas Supply CPIM Calculation
Rocky Mountains Index
November 01, 2012 - December 31, 2012**

**Confidential Material
Submitted pursuant to
General Order 66-C and
P.U. Code Section 583**

Month/Year	Rocky Mts. Index (1) US \$/ MMBtu (a)	Ruby Pipeline Fuel % (c)	Rocky Mts. Index Grossed up (b)/[1-(c)] (d)	Ruby Pipeline Volumetric Rate MMBtu (e)	Rocky Mts. Index Grossed up at Malin (d)+(e) (f)	CGT Fuel % (g)	Rocky Mts. Index Grossed up (f)/[1-(g)] (h)	Redwood CGT Volumetric Rate (i)	Total Citygate Index (h)+(i) US \$/ MMBtu (j)
Nov-2012	3.40	0.000%	3.400000	0.0250	3.425000	1.00%	3.459596	0.0693	3.528896
Dec-2012	3.62	0.000%	3.620000	0.0250	3.645000	1.00%	3.681818	0.0693	3.751118

(1) Per Inside FERC Publication, Northwest Pipeline - Rocky Mountains

**Pacific Gas and Electric Company
Core Gas Supply CPIM Calculation
Topock Daily Price Conversion to Monthly Equivalent (1)
November 01, 2012 - December 31, 2012**

Confidential Material
Submitted pursuant to
General Order 66-C and
P.U. Code Section 583

DECEMBER 2012			
Day of Month	Sequenced Volume at Topock (MMBtu) (a)	PG&E Daily Topock Index (2) (US\$/MMBtu) (b)	Benchmark \$ at Topock (a) x (b) (c)
1	0	3.58	0
2	0	3.58	0
3	0	3.58	0
4	0	3.58	0
5	0	3.44	0
6	0	3.63	0
7	0	3.63	0
8	0	3.52	0
9	0	3.52	0
10	0	3.52	0
11	0	3.59	0
12	0	3.60	0
13	152,419	3.49	531,942
14	204,492	3.41	697,318
15	159,751	3.31	528,776
16	35,741	3.31	118,303
17	12,861	3.31	42,570
18	302,748	3.47	1,050,536
19	314,540	3.56	1,119,762
20	205,047	3.47	711,513
21	0	3.56	0
22	0	3.65	0
23	0	3.65	0
24	0	3.65	0
25	36,628	3.50	128,198
26	159,208	3.50	557,228
27	175,258	3.55	622,166
28	189,522	3.52	667,117
29	144,406	3.54	511,197
30	198,334	3.54	702,102
31	220,833	3.54	781,749
Total	2,511,788		8,770,477
Equivalent Average Topock Price (Total \$/Total Vol)			\$3.49173

(1) Topock supply point is only included in the CPIM sequence in December, January and February. No daily weighting calculation needed in other months.
(2) *NGI Daily Price Index* California Southern Border, PG&E average price

**Pacific Gas and Electric Company
Core Gas Supply CPIM Calculation
Topock Index
November 01, 2012 - December 31, 2012**

**Confidential Material
Submitted pursuant to
General Order 66-C and
P.U. Code Section 583**

Month/Year	PG&E Topock Index US \$/ MMBtu (1) (a)	CGT Shrinkage % (b)	Index Grossed up to Citygate (a)/[1-(b)] (c)	Baja CGT Volumetric Rate (d)	Topock Index at Citygate (c)+(d) US \$/ MMBtu (e)
Nov-2012	-0.08	1.00%	-0.078400	0.0784	0.000000
Dec-2012	3.49	1.00%	3.527000	0.0784	3.605400

(1) NGL's Bidweek Survey Southern Border, PG&E

The PG&E Topock Index used in column (a) is a calculated value, based on daily Topock Index prices weighted by the Topock volumes on each day. See prior page. The full 5 decimal place number from the prior page is used in the calculation on this page though it is only shown to 2 decimal places here. This calculation of a Topock Index is only necessary for the months of December, January and February.

**Pacific Gas and Electric Company
Core Gas Supply CPIM Calculation
Kern River Index
November 01, 2012 - December 31, 2012**

**Confidential Material
Submitted pursuant to
General Order 66-C and
P.U. Code Section 583**

Month/Year	Rocky Mts Index US \$/ MMBtu (1) (a)	Kern River Fuel % (c)	Rocky Mts Index Grossed up (b)/[1-(c)] (d)	Kern River Volumetric Rate (e)	Rocky Mts Index Grossed up To Daggett (d)+(e) (f)	CGT Fuel % (g)	Rocky Mts Index Grossed up (f)/ [1-(g)] (h)	Baja CGT Volumetric Rate (i)	Total Citygate Index (h)+(i) US \$/ MMBtu (j)
Nov-2012	3.40	1.63%	3.456338	0.0049	3.461238	1.00%	3.496200	0.0784	3.574600
Dec-2012	3.62	1.58%	3.678114	0.0049	3.683014	1.00%	3.720216	0.0784	3.798616

**Pacific Gas and Electric Company
Core Gas Supply CPIM Calculation
Core Supply Portfolio Composition
November 01, 2012 - December 31, 2012**

**Confidential Material
Submitted pursuant to
General Order 66-C and
P.U. Code Section 583**

Month/Year	<u>MMBtu Purchases (1)</u>				<u>Average Price, U.S. \$</u>				<u>Percentage of Total</u>		
	SW	BL	MM	Total	SW	BL	MM	Total	SW	BL	MM
Nov-2012	4,204,378	4,902,452	17,713,740	26,820,570 \$	3.41	\$3.37	\$3.34	\$3.35 16%		18%	66%
Dec-2012	4,245,212	2,245,104	25,269,378	31,759,694 3	.47	3.61	3.54	3.53 13%		7%	80%
Total	8,449,590	7,147,556	42,983,118	58,580,264					14%	12%	74%

(1) MMBtu Purchases are volumes at point of purchase
SW = Swing, or daily spot, less than one month duration
BL = Baseload, one month duration, purchased for prompt (next) month
MM = Multi-month, or purchased further out than prompt month

**Pacific Gas and Electric Company
Core Gas Supply CPIM Calculation
Capacity Utilization
November 01, 2012 - December 31, 2012**

**Confidential Material
Submitted pursuant to
General Order 66-C and
P.U. Code Section 583**

El Paso Natural Gas Company

Month/Year	Daily Volume (a)	Days in Month (b)	Contract Capacity (a) x (b) (c)	Capacity Release (1) (d)	Net Contract Capacity (c) + (d) (e)	Gas Received at Topock (f)	Percentage of Utilization (f) / (e) (2) (g)
Nov-2012	148,577	30	4,457,310	0	4,457,310	4,427,710	99.34%
Dec-2012	148,577	31	4,605,887	0	4,605,887	4,575,615	99.34%
Total			9,063,197	0	9,063,197	9,003,325	99.34%

California Gas Transmission - Baja

Month/Year	Daily Volume (a)	Days in Month (b)	Contract Capacity (a) x (b) (c)	Capacity Release (1) (d)	Net Contract Capacity (c) + (d) (e)	Gas Received at Citygate (f)	Percentage of Utilization (f) / (e) (2) (g)
Nov-2012	348,000	30	10,440,000	(353,850)	10,086,150	9,632,156	95.50%
Dec-2012	663,065	31	20,555,015	(431,985)	20,123,030	13,065,124	64.93%
Total			30,995,015	(785,835)	30,209,180	22,697,280	75.13%

Transwestern Pipeline Company

Month/Year	Daily Volume (a)	Days in Month (b)	Contract Capacity (a) x (b) (c)	Capacity Release (1) (d)	Net Contract Capacity (c) + (d) (e)	Gas Received at Topock (f)	Percentage of Utilization (f) / (e) (2) (g)
Nov-2012	146,873	30	4,406,190	0	4,406,190	4,169,596	94.63%
Dec-2012	146,873	31	4,553,063	0	4,553,063	4,495,636	98.74%
Total			8,959,253	0	8,959,253	8,665,232	96.72%

California Gas Transmission - Redwood

Month/Year	Daily Volume (a)	Days in Month (b)	Contract Capacity (a) x (b) (c)	Capacity Release (1) (d)	Net Contract Capacity (c) + (d) (e)	Gas Received at Citygate (f)	Percentage of Utilization (f) / (e) (2) (g)
Nov-2012	608,766	30	18,262,980	(2,400,450)	15,862,530	15,858,950	99.98%
Dec-2012	608,766	31	18,871,746	(2,463,229)	16,408,517	16,392,345	99.90%
Total			37,134,726	(4,863,679)	32,271,047	32,251,295	99.94%

Gas Transmission Northwest Corporation

Month/Year	Daily Volume (a)	Days in Month (b)	Contract Capacity (a) x (b) (c)	Capacity Release (1) (d)	Net Contract Capacity (c) + (d) (e)	Gas Received at Malin (f)	Percentage of Utilization (f) / (e) (2) (g)
Nov-2012	352,467	30	10,574,010	0	10,574,010	10,572,586	99.99%
Dec-2012	352,468	31	10,926,508	0	10,926,508	10,924,319	99.98%
Total			21,500,518	0	21,500,518	21,496,905	99.98%

Ruby Pipeline

Month/Year	Daily Volume (a)	Days in Month (b)	Contract Capacity (a) x (b) (c)	Capacity Release (1) (d)	Net Contract Capacity (c) + (d) (e)	Gas Received at (f)	Percentage of Utilization (f) / (e) (2) (g)
Nov-2012	244,792	30	7,343,760	(1,200,000)	6,143,760	6,016,573	97.93%
Dec-2012	244,792	31	7,588,552	0	7,588,552	6,968,890	91.83%
Total			14,932,312	(1,200,000)	13,732,312	12,985,463	94.56%

Kern River Gas Transmission

Month/Year	Daily Volume (a)	Days in Month (b)	Contract Capacity (a) x (b) (c)	Capacity Release (1) (d)	Net Contract Capacity (c) + (d) (e)	Gas Received at Daggett (f)	Percentage of Utilization (f) / (e) (2) (g)
Nov-2012	48,515	30	1,455,450	0	1,455,450	1,207,987	83.00%
Dec-2012	48,515	31	1,503,965	0	1,503,965	1,474,876	98.07%
Total			2,959,415	0	2,959,415	2,682,863	90.66%

(1) Includes any capacity assigned to Core Transport Agent (CTA) as well as releases to other parties.
(2) Utilization may reflect interruptible transportation which can result in a % above 100%.

Pacific Gas and Electric Company
Core Gas Supply CPIM Calculation
Summary of Executed Hedging Transactions
November 01, 2012 - December 31, 2012

Confidential Material
Submitted pursuant to
General Order 66-C and
P.U. Code Section 583

Winter Hedging Options	Non-Winter Hedging (4) Fixed for Floating Swaps
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Execution Month	Coverage Period	CPIM Year	Volume (MMBtu)	Premium Cost	Volume (MMBtu)	Average Swap Price	Total Volume (MMBtu)
(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)
Nov-12	Apr - Oct 2013	20			(535,500)	\$3.6600	(535,500)
Dec-12	Apr - Oct 2013	20			(1,930,000)	\$3.7057	(1,930,000)
TOTAL	Non-Winter Hedges	21			(535,500)	\$3.6600	(535,500)
	Winter 12/13	21	0	\$0			0
	Winter 13/14	22	0	\$0			0
	Winter 14/15	23	0	\$0			0

- Notes: 1.) Report combines transactions at multiple supply points (could include AECO Hub, Rockies and/or San Juan Basin).
2.) All volumes are at points of transaction (typically in the supply basin).
3.) Fixed for Floating Swaps Average Swap Price includes impact of basis swaps if any apply.
4.) Non-winter hedges are executed in CPIM Year 19 but are not for winter hedging (storage hedges, basis swaps etc.)
Non-winter hedges will be included in CPIM Year 19 actuals when settled, but will not create additional benchmark dollars.

All swaps at AECO are executed in Canadian dollars (CAD) per GJ to mirror Core Procurement's physical gas purchases. The CAD notional value is converted to USD using the spot FX rate at date of swap execution.