

**Pacific Gas and Electric Company
Core Gas Supply
Cumulative Monthly CPIM Report (Year 20)
November 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							
Total	Redacted							

(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)
Redacted							
Total Commodity Purchases and Sales	Redacted						

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

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California Gas Transmission Amount
Demand Charge:
Redacted
Total California Gas Transmission Redacted

El Paso Natural Gas Company Amount
Redacted
Total El Paso Natural Gas Company Redacted

Lodi Gas Storage, Inc. Amount
Redacted
Total Lodi Gas Storage, Inc. Redacted

Gas Transmission Northwest Corporation Amount
Redacted
Total Gas Transmission Northwest Corporation Redacted

Transwestern Pipeline Company Amount
Redacted
Total Transwestern Pipeline Company Redacted

Foothills Pipelines Ltd. Amount
Redacted
Total Foothills Pipelines Ltd. Redacted

Nova Gas Transmission Ltd. Amount
Redacted
Total NOVA Gas Transmission Ltd. Redacted

Ruby Pipeline Amount
Redacted
Total Ruby Pipeline Redacted

Kern River Gas Transmission Amount
Redacted
Total Kern River Gas Transmission Redacted

Miscellaneous Costs and Revenues Amount
Redacted
Total Miscellaneous Costs and Revenues Redacted

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>			
Redacted			
Subtotal Commodity	Redacted		
Miscellaneous Costs and Revenues			
Total Net Commodity			
<u>Financial Transactions</u>			
Redacted			
Total Financial Costs and Revenues	Redacted		
Total Commodity Costs			
<u>Demand Charges</u>			
Redacted			
Total Demand Charges	Redacted		
Total Costs			

**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	Redacted						
11/02/2012	Redacted						
11/03/2012	Redacted						
11/04/2012	Redacted						
11/05/2012	Redacted						
11/06/2012	Redacted						
11/07/2012	Redacted						
11/08/2012	Redacted						
11/09/2012	Redacted						
11/10/2012	Redacted						
11/11/2012	Redacted						
11/12/2012	Redacted						
11/13/2012	Redacted						
11/14/2012	Redacted						
11/15/2012	Redacted						
11/16/2012	Redacted						
11/17/2012	Redacted						
11/18/2012	Redacted						
11/19/2012	Redacted						
11/20/2012	Redacted						
11/21/2012	Redacted						
11/22/2012	Redacted						
11/23/2012	Redacted						
11/24/2012	Redacted						
11/25/2012	Redacted						
11/26/2012	Redacted						
11/27/2012	Redacted						
11/28/2012	Redacted						
11/29/2012	Redacted						
11/30/2012	Redacted						

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

**Confidential Material
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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					Redacted
11/01/2012	Redacted				
11/02/2012	Redacted				
11/03/2012	Redacted				
11/04/2012	Redacted				
11/05/2012	Redacted				
11/06/2012	Redacted				
11/07/2012	Redacted				
11/08/2012	Redacted				
11/09/2012	Redacted				
11/10/2012	Redacted				
11/11/2012	Redacted				
11/12/2012	Redacted				
11/13/2012	Redacted				
11/14/2012	Redacted				
11/15/2012	Redacted				
11/16/2012	Redacted				
11/17/2012	Redacted				
11/18/2012	Redacted				
11/19/2012	Redacted				
11/20/2012	Redacted				
11/21/2012	Redacted				
11/22/2012	Redacted				
11/23/2012	Redacted				
11/24/2012	Redacted				
11/25/2012	Redacted				
11/26/2012	Redacted				
11/27/2012	Redacted				
11/28/2012	Redacted				
11/29/2012	Redacted				
11/30/2012	Redacted				
Total	Redacted				

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

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Lodi Gas Storages, Inc

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

(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 at Citygate	Ruby	AECO	San Juan	Kingsgate	Kern River	AECO	AECO	Ruby	Ruby	San Juan	San Juan	Topock	Citygate
	Benchmark	Redacted												
11/01/2012	Redacted													
11/02/2012														
11/03/2012														
11/04/2012														
11/05/2012														
11/06/2012														
11/07/2012														
11/08/2012														
11/09/2012														
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11/25/2012														
11/26/2012														
11/27/2012														
11/28/2012														
11/29/2012														
11/30/2012														

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

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Date	SEQUENCED VOLUMES AT CITYGATE						INDICES AT CITYGATE						TOTAL COMMODITY BENCHMARK									
	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	Redacted																					
11/02/2012	Redacted																					
11/03/2012	Redacted																					
11/04/2012	Redacted																					
11/05/2012	Redacted																					
11/06/2012	Redacted																					
11/07/2012	Redacted																					
11/08/2012	Redacted																					
11/09/2012	Redacted																					
11/10/2012	Redacted																					
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11/20/2012	Redacted																					
11/21/2012	Redacted																					
11/22/2012	Redacted																					
11/23/2012	Redacted																					
11/24/2012	Redacted																					
11/25/2012	Redacted																					
11/26/2012	Redacted																					
11/27/2012	Redacted																					
11/28/2012	Redacted																					
11/29/2012	Redacted																					
11/30/2012	Redacted																					

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

**Confidential Material
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	Volume (GJ) (a)	Unit Cost/Rate (Can.\$) (c)/(a) (b)	Fixed Transportation Costs (Can. \$) (c)	Exchange Rate (d)	Fixed Transportation Costs (U.S. \$) (e)
<u>Canadian</u>					
Foothills Pipelines Ltd. (GJ/d)	Redacted				
Nova Gas Transmission Ltd. (GJ/d)					
Canadian Subtotal					
<u>U.S. Interstate</u>					
Gas Transmission Northwest Corporation (MMBtu/d)	Redacted				
El Paso Natural Gas Company (MMBtu/d)					
Ruby Pipeline (MMBtu/d)					
Kern River Gas Transmission (MMBtu/d)					
Transwestern Pipeline Company - 101629 (MMBtu)					
U.S. Interstate Subtotal					
<u>Intrastate Transmission</u>					
California Gas Transmission (CGT)	Redacted				
On Baja (MMBtu/d)					
On Redwood (MMBtu/d)					
Intrastate Transmission Subtotal					
<u>Storage</u>					
CGT Firm Storage (MMBtu Inventory)	Redacted				
Lodi Gas Storage, Inc. (MMBtu Inventory)					
Storage Subtotal					
Total Fixed Transportation & Storage Costs					

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

**Confidential Material
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Pipeline	Term	MMBtu	Amount	Avg. Rate	Discount/ (Premium) Amount
NOVA Gas Transmission Ltd.	11/28/2012 - 11/28/2012	Redacted			
Ruby Pipeline	11/01/2012 - 11/30/2012	Redacted			
Grand Total		Redacted			

**Pacific Gas and Electric Company
Core Gas Supply CPIM Calculation
Kingsgate Index
November 2012**

**Confidential Material
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Month/Year	Kingsgate Index US \$/ MMBtu (1)	GTNC Fuel %	Kingsgate Index Grossed up (b)/[1-(c)]	GTNC Volumetric Rate	Total Index at Malin (d) + (e)	CGT Fuel %	Malin Index Grossed up (f)/[1-(g)]	Redwood CGT Volumetric Rate	Total Citygate Index (h)+(i) US \$/ MMBtu
(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)
Nov-2012	Redacted								

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

Pacific Gas and Electric Company
 Core Gas Supply CPIM Calculation
 Malin Index
 November 2012

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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	Redacted													

(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 2012

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Month/Year	San Juan Index US \$/ MMBtu (1) (a)	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)
Nov-2012	Redacted								

(1) PER INSIDE FERC PUBLICATION

Pacific Gas and Electric Company
 Core Gas Supply CPIM Calculation
 Rocky Mountains Index
 November 2012

Confidential Material
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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	Redacted								

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

Pacific Gas and Electric Company
 Core Gas Supply CPIM Calculation
 Topock Index
 November 2012

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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	Redacted				

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

Pacific Gas and Electric Company
 Core Gas Supply CPIM Calculation
 Kern River Index
 November 2012

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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	Redacted								

Pacific Gas and Electric Company
 Core Gas Supply CPIM Calculation
 Core Supply Portfolio Composition
 November 2012

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Month/Year	SW	MMBtu Purchases (1)			Total	Average Price, U.S. \$				Percentage of Total		
		BL	MM			SW	BL	MM	Total	SW	BL	MM
Nov-2012	Redacted											
Total												

(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 2012**

**Confidential Material
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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)	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	Redacted														
Total															

California Gas Transmission - Bala

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)	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	Redacted														
Total															

California Gas Transmission - Redwood

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)	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	Redacted														
Total															

Ruby Pipeline

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	Redacted						
Total							

(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 - November 30, 2012**

Confidential Material
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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	Redacted			Redacted		
TOTAL	Non-Winter Hedges	Redacted			Redacted		
	Winter 12/13	Redacted			Redacted		
	Winter 13/14	Redacted			Redacted		
	Winter 14/15	Redacted			Redacted		

- 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.