## Pacific Gas and Electric Company Core Gas Supply CPIM Calculation Cumulative Summary

2014 - 1 June-14

		CANADIAN AND	U.S. GAS COSTS		PIPELINE RESE	RVATION CHARGES		TOTAL CPIM F	PERFORMANCE			TOLERANCE BAND	
				Actuals % of						Actuals % of			(Over)/Under
Month/Year	Actuals	Benchmark	Benchmark - Actuals	Benchmark	Actuals	Benchmark	Actuals	Benchmark	Benchmark - Actuals	Benchmark	Upper Limit	Lower Limit	Tolerance
Nov-13	Redacted												
Dec-13													
Jan-14													
Feb-14													
Mar-14													
Apr-14													
May-14													
Jun-14													
Jul-14													
Aug-14													
Sep-14													
Oct-14													
Total													

Redacted	

2013 - 2 November-13

				Net Purchases and Sales			
		Purchases (MMBtu)	Sales (MMBtu)	(MMbtu) (a)+(b)	Purchase Costs	Sales Revenue	Total Net Costs (d)+(e)
Pipeline	Location	(a)	(b)	(c)	(d)	(e)	(f)
Redacted							

2013 - 3 November-13

		Fixed				Volumetric	
		Reservation		Capacity Release	Cost Subtotal	Transportation	Total Costs
		Costs (USD)	Discount	Revenue	(a)+(b)+(c)	Costs (USD)	(d)+(e)
Pipeline/Facility	Contract	(a)	(b)	(c)	(d)	(e)	(f)
Redacted							

## Pacific Gas and Electric Company Core Gas Supply CPIM Calculation Performance Summary

Benchmark - Actual

2013 - 4 November-13

Actual Costs Benchmark Costs Costs

Redacted

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 Benchmark Load

2013 - 5 November-13

Date	Burner Tip Determined Usage (Therms) (a)	Citygate Determined Usage (Therms) (a)x(1+dist. shrink rate) (b)	Citygate Determined Usage (MMBtu) (b)/10 (c)	Operating Imbalance Adjustment (MMBtu) (d)	Firm Storage Profile Inj/(Wth) (MMBtu) (e)	Incremental Storage Inj/(Wth) (MMBtu) (f)	Benchmark Load at Citygate (MMBtu) (c)+(d)+(e)+(f) (g)
Redacted	(4)	(~)	(6)	(4)	(0)	ν,	(8)

2013 - 6 November-13

Date	Benchmark Load at Citygate	RUBY OPAL	NOVA AECO	TW SAN JUAN GTN KINGSGATE	KR OPAL	NOVA AECO	NOVA AECO	RUBY OPAL	RUBY OPAL	TW SAN JUAN	TW SAN JUAN	TOPOCK-BAJA	CITYGATE
Redacted													

2013 - 7 November-13

Overinger-13															
		SEQUENCED VOLUMES AT CITYGATE (MMBtu) (a)								INDEXES AT CITYGATE (USD/MMBtu) (b)					
Date	RUBY OPAL	NOVA AECO		GTN KINGSGATE	KR OPAL	TOPOCK-BAJA	CITYGATE	RUBY OPAL	NOVA AECO		GTN KINGSGATE	KR OPAL	TOPOCK-BAJA	CITYGAT	
edacted															
dacted															

2013 - 8

November-13 TOTAL COMMODITY BENCHMARK (USD) (c) = (a) x (b)

Date								
	RUBY OPAL	NOVA AECO	TW SAN JUAN	GTN KINGSGATE	KR OPAL	TOPOCK-BAJA	CITYGATE	TOTAL
Redacted								
1								

2013 - 9 November-13

		PG&E FIRM STORAG		Redacted				
Withdrawal (MMBtu)	Trading (MMBtu)	Sales/Transfers (MMBtu) (c)	Parking (d)	Ending inventory (e) <sup>0</sup> +(a)+(b)+(c)+(d) (e)	Nominations at Field (MMBtu)	Equivalent at Citygate (MMBtu)	Ending Inventory (MMBtu) (c)	
	Injection/ Withdrawal (MMBtu) (a)	Withdrawal Trading (MMBtu) (MMBtu)	Injection/ Imbalance Withdrawal Trading Sales/Transfers (MMBtu) (MMBtu) (MMBtu)	Withdrawal Trading Sales/Transfers (MMBtu) (MMBtu) (MMBtu) Parking	$\begin{array}{llllllllllllllllllllllllllllllllllll$	Injection/ Imbalance   Nominations at Withdrawal Trading Sales/Transfers   Ending Inventory Field   (MMBtu) (MMBtu) Parking (e) <sup>0</sup> +(a)+(b)+(c)+(d) (MMBtu)	Injection/     Imbalance     Nominations at Withdrawal     Equivalent at Trading     Sales/Transfers     Ending Inventory     Field     Citygate (MMBtu)       (MMBtu)     (MMBtu)     Parking     (e) <sup>0</sup> +(a)+(b)+(c)+(d)     (MMBtu)     (MMBtu)	

# Pacific Gas and Electric Company Core Gas Supply CPIM Calculation Capacity Release

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

2013 - 10

November-13

Pipeline	MMBtu	Amount
Redacted		

2013 - 11 December-13

Pipeline	Location	Purchases (MMBtu) (a)	Sales (MMBtu) (b)	Net Purchases and Sales (MMbtu) (a)+(b) (c)	Purchase Costs (d)	Sales Revenue (e)	Total Net Costs (d)+(e) (f)
Redacted							

2013 - 12 December-13

Pipeline/Facility	Contract	Fixed Reservation Costs (USD) (a)	Reservation Cost Discount (b)	t Capacity Release Revenue (c)	Cost Subtotal (a)+(b)+(c) (d)	Volumetric Transportation Costs (USD) (e)	Total Costs (d)+(e) (f)
Redacted			(-7)	(-)	(4)		(1)

## Pacific Gas and Electric Company Core Gas Supply CPIM Calculation Performance Summary

Benchmark - Actual

2013 - 13 December-13

Redacted Costs and Revenues

Redacted

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

#### 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 Benchmark Load

2013 - 14 December-13

Date	Burner Tip Determined Usage (Therms) (a)	Citygate Determined Usage (Therms) (a)x(1+dist. shrink rate) (b)	Citygate Determined Usage (MMBtu) (b)/10 (c)	Operating Imbalance Adjustment (MMBtu) (d)	Firm Storage Profile Inj/(Wth) (MMBtu) (e)	Incremental Storage Inj/(Wth) (MMBtu) (f)	Benchmark Load at Citygate (MMBtu) (c)+(d)+(e)+(f) (g)
Redacted							

2013 - 15 December-13

	Benchmark Load														
Date	at Citygate	RUBY OPAL	NOVA AECO	TW SAN JUAN	GTN KINGSGATE	KR OPAL	NOVA AECO	NOVA AECO	TW SAN JUAN	RUBY OPAL	TW SAN JUAN	RUBY OPAL	TOPOCK-BAJA	CITYGATE	CITYGATE
Redacted	l														

2013 - 16 December-13

			SEQUENCED V	OLUMES AT CITYGATI	(MMBtu) (a)					INDEXES A	AT CITYGATE (USD/M	MBtu) (b)		
Date	RUBY OPAL	NOVA AECO		GTN KINGSGATE	KR OPAL	TOPOCK-BAJA	CITYGATE	RUBY OPAL	NOVA AECO		GTN KINGSGATE	KR OPAL	TOPOCK-BAJA	CITYGATE
Redacted														

Pacific Gas and Electric Company Core Gas Supply CPIM Calculation Daily Benchmark Summary Confidential Material Submitted Pursuant to General Order 66-C and P.U. Code Section 583

2013 - 17 December-13

TOTAL COMMODITY BENCHMARK (USD) (c) = (a) x (b)

Date	RUBY OPAL	NOVA AECO	TW SAN JUAN	GTN KINGSGATE	KR OPAL	TOPOCK-BAJA	CITYGATE	TOTAL
Redacted								

2013 - 18 December-13

December-13			PG&E FIRM STORAG	<u>3E</u>		Red		
Date	Injection/ Withdrawal (MMBtu) (a)	Imbalance Trading (MMBtu) (b)	Sales/Transfers (MMBtu) (c)	Parking (d)	Ending Inventory (e) <sup>0</sup> +(a)+(b)+(c)+(d) (e)	Nominations at Field (MMBtu) (a)	Equivalent at Citygate (MMBtu) (b)	Ending Inventory (MMBtu) (c)
Redacted								

## Pacific Gas and Electric Company Core Gas Supply CPIM Calculation Capacity Release

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

2013 - 19

December-13

Pipeline	MMBtu	Amount
Redacted		_

2014 - 20

January-14

				Net Purchases			
				and Sales			
		Purchases	Sales	(MMbtu)			Total Net Costs
		(MMBtu)	(MMBtu)	(a)+(b)	Purchase Costs	Sales Revenue	(d)+(e)
Pipeline	Location	(a)	(b)	(c)	(d)	(e)	(f)
Redacted							

2014 - 21 January-14

Pipeline/Facility	Contract	Fixed Reservation Costs (USD) (a)	Reservation Cost Discount (b)	Capacity Release Revenue (c)	Cost Subtotal (a)+(b)+(c) (d)	Volumetric Transportation Costs (USD) (e)	Total Costs (d)+(e) (f)
Redacted		, ,	, ,	, ,	. ,	. ,	. ,

## Pacific Gas and Electric Company Core Gas Supply CPIM Calculation Performance Summary

Benchmark - Actual

2014 - 22 January-14

Redacted Costs Benchmark Costs Costs

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 Benchmark Load

Citygate

2014 - 23 January-14

	Burner Tip Determined Usage (Therms)	Determined Usage (Therms) (a)x(1+dist. shrink rate)	Citygate Determined Usage (MMBtu) (b)/10	Operating Imbalance Adjustment (MMBtu)	Firm Storage Profile Inj/(Wth) (MMBtu)	Incremental Storage Inj/(Wth) (MMBtu)	Benchmark Load at Citygate (MMBtu) (c)+(d)+(e)+(f)
Redacted	(a)	(b)	(c)	(d)	(e)	(f)	(g)

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

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

2014 - 24 January-14

	Benchmark Load													
Date	at Citygate	RUBY OPAL	NOVA AECO	TW SAN JUAN	GTN KINGSGATE	KR OPAL	NOVA AECO	NOVA AECO	RUBY OPAL	TW SAN JUAN	RUBY OPAL	TW SAN JUAN	TOPOCK-BAJA	CITYGATE
Redacted														
1														
										_				

2014 - 25 January-14

, = .					- 44 - 45 - 5 - 5 - 5									
			SEQUENCED V	OLUMES AT CITYGAT		T0000// D414	0.77.40.4.77	I numu anu			AT CITYGATE (USD/M		T0000// 0414	
Date	RUBY OPAL	NOVA AECO	TW SAN JUAN	GTN KINGSGATE	KR OPAL	TOPOCK-BAJA	CITYGATE	RUBY OPAL	NOVA AECO	TW SAN JUAN	GTN KINGSGATE	KR OPAL	TOPOCK-BAJA	CITYGA
edacted														

2014 - 26 January-14

TOTAL COMMODITY BENCHMARK (USD) (c) = (a) x (b)

Date	RUBY OPAL	NOVA AECO	TW SAN JUAN	GTN KINGSGATE	KR OPAL	TOPOCK-BAJA	CITYGATE	TOTAL
Redacted								

Redacted

2014 - 27 January-14

	Injection/	Imbalance		_		Nominations at		
	Withdrawal (MMBtu)	Trading (MMBtu)	Sales/Transfers (MMBtu)	Parking	Ending Inventory $(e)^0+(a)+(b)+(c)+(d)$	Field (MMBtu)	Citygate (MMBtu)	Ending Inventory (MMBtu)
Redacted	(a)	(p)	(c)	(d)	(e)	(a)	(b)	(c)
Redacted								

PG&E FIRM STORAGE

## Pacific Gas and Electric Company Core Gas Supply CPIM Calculation Capacity Release

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

2014 - 28

January-14

Pipeline	MMBtu	Amount
Pipeline Redacted		

2014 - 29 February-14

Pipeline	Location	Purchases (MMBtu) (a)	Sales (MMBtu) (b)	Net Purchases and Sales (MMbtu) (a)+(b) (c)	Purchase Costs (d)	Sales Revenue (e)	Total Net Costs (d)+(e) (f)
Redacted	·		(6)	(6)	(u)	(e)	(1)

2014 - 30 February-14

Pipeline/Facility	Contract	Fixed Reservation Costs (USD) (a)	Reservation Cost Discount (b)	Capacity Release Revenue (c)	Cost Subtotal (a)+(b)+(c) (d)	Volumetric Transportation Costs (USD) (e)	Total Costs (d)+(e) (f)
Redacted							

## Pacific Gas and Electric Company Core Gas Supply CPIM Calculation Performance Summary

Benchmark - Actual

2014 - 31 February-14

Commodity Costs and Revenues

Redacted

Actual Costs Benchmark Costs

Co

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 Benchmark Load

2014 - 32 February-14

Date	Burner Tip Determined Usage (Therms) (a)	Citygate Determined Usage (Therms) (a)x(1+dist. shrink rate) (b)	Citygate Determined Usage (MMBtu) (b)/10 (c)	Operating Imbalance Adjustment (MMBtu) (d)	Firm Storage Profile Inj/(Wth) (MMBtu) (e)	Incremental Storage Inj/(Wth) (MMBtu) (f)	Benchmark Load at Citygate (MMBtu) (c)+(d)+(e)+(f) (g)
Redacted	(a)	(6)	(0)	(u)	(e)	(1)	(8)

2014 - 33 February-14

	Benchmark Load													
Date	at Citygate	RUBY OPAL	NOVA AECO	TW SAN JUAN	GTN KINGSGATE	KR OPAL	NOVA AECO	NOVA AECO	RUBY OPAL	RUBY OPAL	TW SAN JUAN	TW SAN JUAN	TOPOCK-BAJA	CITYGATE
Redacted														
1,100,000														
1														

2014 - 34 February-14

SCOURNES D'OUMNÉS AT CITYGATE (MINBOU) (a)  RE RUBY OPAL NOVA ACCO TW SAN IUAN. GTN KINSSGATE KR OPAL TOPOCK-BAIA. CITYGATE I BUBY OPAL NOVA ACCO TW SAN BUAN. GTN KINSSGATE KR OPAL TOPOCK-BAIA. CITYGA  Ted  Ted  Ted  Ted  Ted  Ted  Ted  Te	,														
RUBY OPAL NOVA AECO TW. SANJUAN STYKINGSGATE KROPAL TOPOCK-BAIA CITYGATE I BURY OPAL NOVA AECO TW. SANJUAN STYKINGSGATE KROPAL TOPOCK-BAIA CITYGA Teled				SEQUENCED V	OLUMES AT CITYGAT	<u>E</u> (MMBtu) (a)									
	Date edacted	RUBY OPAL	NOVA AECO	TW SAN JUAN	GTN KINGSGATE	KR OPAL	TOPOCK-BAJA	CITYGATE	RUBY OPAL	NOVA AECO	TW SAN JUAN	GTN KINGSGATE	KR OPAL	TOPOCK-BAJA	CITYGATE
	eaactea														

Pacific Gas and Electric Company Core Gas Supply CPIM Calculation Daily Benchmark Summary Confidential Material Submitted Pursuant to General Order 66-C and P.U. Code Section 583

2014 - 35

February-14 <u>TOTAL COMMODITY BENCHMARK</u> (USD) (c) = (a) x (b)

Date	RUBY OPAL	NOVA AECO	TW SAN JUAN	GTN KINGSGATE	KR OPAL	TOPOCK-BAJA	CITYGATE	TOTAL
Redacted								

Redacted

2014 - 36 February-14

Date	Injection/ Withdrawal (MMBtu) (a)	Imbalance Trading (MMBtu) (b)	Sales/Transfers (MMBtu) (c)	Parking (d)	Ending Inventory (e) <sup>0</sup> +(a)+(b)+(c)+(d) (e)	Nominations at Field (MMBtu) (a)	Equivalent at Citygate (MMBtu) (b)	Ending Inventory (MMBtu) (c)
Redacted	, ,				<u> </u>		, ,	,,

PG&E FIRM STORAGE

# Pacific Gas and Electric Company Core Gas Supply CPIM Calculation Capacity Release

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

2014 - 37

February-14

Pipeline	MMBtu	Amount
Redacted		
, otal	1000,7701	1044010401

Pipeline	Location	Purchases (MMBtu) (a)	Sales (MMBtu) (b)	Net Purchases and Sales (MMbtu) (a)+(b) (c)	Purchase Costs (d)	Sales Revenue (e)	Total Net Costs (d)+(e) (f)
Redacted							

2014 - 39 March-14

Pipeline/Facility	Contract	Fixed Reservation Costs (USD) (a)	Reservation Cost Discount (b)	Capacity Release Revenue (c)	Cost Subtotal (a)+(b)+(c) (d)	Volumetric Transportation Costs (USD) (e)	Total Costs (d)+(e) (f)
Redacted	contract	(0)	(0)	(0)	(4)	(0)	('/

## Pacific Gas and Electric Company Core Gas Supply CPIM Calculation Performance Summary

Benchmark - Actual

2014 - 40 March-14

Redacted Section Revenues

Redacted

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 Benchmark Load

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

2014 - 41 March-14

Date	Burner Tip Determined Usage (Therms) (a)	Citygate Determined Usage (Therms) (a)x(1+dist. shrink rate) (b)	Citygate Determined Usage (MMBtu) (b)/10 (c)	Operating Imbalance Adjustment (MMBtu) (d)	Firm Storage Profile Inj/(Wth) (MMBtu) (e)	Incremental Storage Inj/(Wth) (MMBtu) (f)	Benchmark Load at Citygate (MMBtu) (c)+(d)+(e)+(f) (g)
Redacted							

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

2014 - 42 March-14

Date	Benchmark Load at Citygate	NOVA AECO	TW SAN JUAN GTN KINGSGATE	KR OPAL	NOVA AECO	NOVA AECO	TW SAN JUAN	RUBY OPAL	TW SAN JUAN	RUBY OPAL	TOPOCK-BAJA	CITYGATE
Redacted		 										

2014 - 43 March-14

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2014 - 44 March-14

TOTAL COMMODITY BENCHMARK (USD) (c) = (a) x (b)

Widicii 14				, -	/(-/	•		
Date	RUBY OPAL	NOVA AECO	TW SAN JUAN	GTN KINGSGATE	KR OPAL	TOPOCK-BAJA	CITYGATE	TOTAL
Date Redacted								

2014 - 45 March-14

March-14			PG&E FIRM STORAG	<u>3E</u>		Rec	lacted	
_Date	Injection/ Withdrawal (MMBtu) (a)	Imbalance Trading (MMBtu) (b)	Sales/Transfers (MMBtu) (c)	Parking (d)	Ending Inventory (e) <sup>0</sup> +(a)+(b)+(c)+(d) (e)	Nominations at Field (MMBtu) (a)	Equivalent at Citygate (MMBtu) (b)	Ending Inventory (MMBtu) (c)
Redacted	,,	,,,,		121	V-1	,	100	, -,

# Pacific Gas and Electric Company Core Gas Supply CPIM Calculation Capacity Release

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

2014 - 46 March-14

Pipeline	MMBtu	Amount
Pipeline Redacted		

2014 - 47

April-14

					Net Purchases			
					and Sales			
			Purchases	Sales	(MMbtu)			Total Net Costs
5. "			(MMBtu)	(MMBtu)	(a)+(b)		Sales Revenue	(d)+(e)
Pipeline	Location	<del></del>	(a)	(b)	(c)	(d)	(e)	(f)
Redacted								
•								

2014 - 48 April-14

		Fixed				Volumetric	
		Reservation	Reservation Cost	t Capacity Release	Cost Subtotal	Transportation	<b>Total Costs</b>
		Costs (USD)	Discount	Revenue	(a)+(b)+(c)	Costs (USD)	(d)+(e)
Pipeline/Facility	Contract	(a)	(b)	(c)	(d)	(e)	(f)
Redacted							

# Pacific Gas and Electric Company Core Gas Supply CPIM Calculation Performance Summary

Benchmark - Actual

2014 - 49 April-14

Redacted Section Revenues

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 Benchmark Load

Citygate

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

2014 - 50 April-14

Date	Burner Tip Determined Usage (Therms) (a)	Determined Usage (Therms) (a)x(1+dist. shrink rate) (b)	Citygate Determined Usage (MMBtu) (b)/10 (c)	Operating Imbalance Adjustment (MMBtu) (d)	Firm Storage Profile Inj/(Wth) (MMBtu) (e)	Incremental Storage Inj/(Wth) (MMBtu) (f)	Benchmark Load at Citygate (MMBtu) (c)+(d)+(e)+(f) (g)
Redacted	(4)	(5)	(0)	(α)	(0)	(1)	(6)

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

2014 - 51 April-14

	Benchmark Load												
Date	at Citygate	RUBY OPAL	NOVA AECO	TW SAN JUAN GTN KINGSGATE	KR OPAL	TW SAN JUAN	NOVA AECO	RUBY OPAL	TW SAN JUAN	RUBY OPAL	NOVA AECO	TOPOCK-BAJA	CITYGATE
Redacted													
1													
1													
1													
1													
1													
1													
1													
1													

2014 - 52 April-14

	CEOUENCED VOLUMES AT CITY CATE (ANADE). V.							INDEXES AT CITY SATE (USD (AAAD)) (L)						
	SEQUENCED VOLUMES AT CITYGATE (MMBtu) (a)							INDEXES AT CITYGATE (USD/MMBtu) (b)						
Date	RUBY OPAL	NOVA AECO	TW/SAN IIIAN	GTN KINGSGATE	KR OPAL	TOPOCK-BAJA	CITYGATE	RUBY OPAL	NOVA AECO	TW SAN IIIAN	GTN KINGSGATE	KR OPAL	TOPOCK-BAJA	CITYGATE
Redacted	11001 01712	11011111200	111 5, 111 5, 111	0.111.11110001112		TOT CON BIBIT	OTTOTTE	1,001,017,0	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		0111111110001112		ron oon bran	OTT OTT E

2014 - 53 April-14

TOTAL COMMODITY BENCHMARK (USD) (c) = (a) x (b)

7 p. 11 2 1				, -	/(-/ (-/(-	,		
Date	RUBY OPAL	NOVA AECO	TW SAN JUAN	GTN KINGSGATE	KR OPAL	TOPOCK-BAJA	CITYGATE	TOTAL
Date Redacted								

## Pacific Gas and Electric Company Core Gas Supply CPIM Calculation Firm and Incremental Storage

Redacted

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

2014 - 54 April-14

	Injection/	Imbalance				Nominations at	Equivalent at	
	Withdrawal	Trading	Sales/Transfers		Ending Inventory	Field	Citygate	Ending Inventory
	(MMBtu)	(MMBtu)	(MMBtu)	Parking	$(e)^{0}+(a)+(b)+(c)+(d)$	(MMBtu)	(MMBtu)	(MMBtu)
Date	(a)	(b)	(c)	(d)	(e)	(a)	(b)	(c)
Redacted								
								<u> </u>

PG&E FIRM STORAGE

# Pacific Gas and Electric Company Core Gas Supply CPIM Calculation Capacity Release

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

2014 - 55

April-14

Pipeline	MMBtu	Amount
Redacted		

2014 - 56 May-14

		Purchases (MMBtu)	Sales (MMBtu)	Net Purchases and Sales (MMbtu) (a)+(b)	Purchase Costs	Sales Revenue	Total Net Costs (d)+(e)
Pipeline	Location	(a)	(b)	(c)	(d)	(e)	(f)
Redacted							

2014 - 57

May-14

		Fixed				Volumetric	
		Reservation		Capacity Release	Cost Subtotal	Transportation	Total Costs
		Costs (USD)	Discount	Revenue	(a)+(b)+(c)	Costs (USD)	(d)+(e)
Pipeline/Facility	Contract	(a)	(b)	(c)	(d)	(e)	(f)
Redacted							
t .							

# Pacific Gas and Electric Company Core Gas Supply CPIM Calculation Performance Summary

2014 - 58 May-14 Submitted Pursuant to
General Order 66-C and
P.U. Code Section 583

Benchmark - Actual

Confidential Material

	Actual Costs	Benchmark Costs	Costs
Commodity Costs and Revenues			
Redacted			

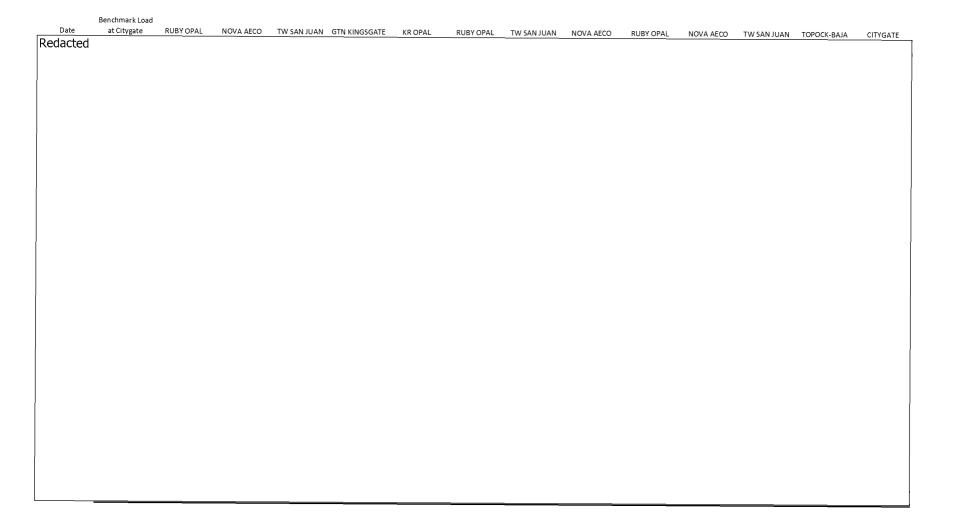
#### Confidential Material Submitted Pursuant to General Order 66-C and P.U. Code Section 583

## Pacific Gas and Electric Company Core Gas Supply CPIM Calculation Benchmark Load

2014 - 59 May-14

Date	Burner Tip Determined Usage (Therms) (a)	Citygate Determined Usage (Therms) (a)x(1+dist. shrink rate) (b)	Citygate Determined Usage (MMBtu) (b)/10 (c)	Operating Imbalance Adjustment (MMBtu) (d)	Firm Storage Profile Inj/(Wth) (MMBtu) (e)	Incremental Storage Inj/(Wth) (MMBtu) (f)	Benchmark Load at Citygate (MMBtu) (c)+(d)+(e)+(f) (g)
Redacted							

2014 - 60 May-14



SEQUENCED VOLUMES AT CITYGATE (MMBtu) (a)

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

INDEXES AT CITYGATE (USD/MMBtu) (b)

2014 - 61 May-14

								I						
Date	RUBY OPAL	NOVA AECO	TW SAN JUAN	GTN KINGSGATE	KR OPAL	TOPOCK-BAJA	CITYGATE	RUBY OPAL	NOVA AECO	TW SAN JUAN	GTN KINGSGATE	KR OPAL	TOPOCK-BAJA	CITYGATE
Redacted														

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

2014 - 62 May-14

TOTAL COMMODITY BENCHMARK (USD) (c) = (a) x (b)

Date RUBY OPAL NOVA AECO TW SAN JUAN GTN KINGSGATE KR OPAL TOPOCK-BAJA CITYGATE TOTAL Redacted	

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

2014 - 63 May-14

			PG&E FIRM STORAG	<u>SE</u>		Redacted				
Date	Injection/ Withdrawal (MMBtu) (a)	Imbalance Trading (MMBtu) (b)	Sales/Transfers (MMBtu) (c)	Parking (d)	Ending Inventory (e) <sup>0</sup> +(a)+(b)+(c)+(d) (e)	Nominations at Field (MMBtu) (a)	Equivalent at Citygate (MMBtu) (b)	Ending Inventory (MMBtu) (c)		
Redacted										

# Pacific Gas and Electric Company Core Gas Supply CPIM Calculation Capacity Release

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

2014 - 64 May-14

Pipeline	MMBtu	Amount
Redacted		
TOTAL TOTAL	19-111 / 1887	1.11.17.77.134.71

2014 - 65 June-14

				Net Purchases			
				and Sales			
		Purchases	Sales	(MMbtu)			Total Net Costs
		(MMBtu)	(MMBtu)	(a)+(b)	Purchase Costs	Sales Revenue	(d)+(e)
Pipeline	Location	(a)	(b)	(c)	(d)	(e)	(f)
Redacted							

2014 - 66

June-14

		Fixed				Volumetric	
		Reservation	Reservation Cost	Capacity Release	Cost Subtotal	Transportation	<b>Total Costs</b>
		Costs (USD)	Discount	Revenue	(a)+(b)+(c)	Costs (USD)	(d)+(e)
_Pineline/Facility	Contract	(a)	(h)	(c)	(d)	(e)	(f)
Redacted							

# Pacific Gas and Electric Company Core Gas Supply CPIM Calculation Performance Summary

Benchmark - Actual

2014 - 67 June-14 Confidential Material Submitted Pursuant to General Order 66-C and P.U. Code Section 583

	Actual Costs	Benchmark Costs	Costs
Commodity Costs and Revenues			
Commodity Costs and Revenues Redacted			

## Pacific Gas and Electric Company Core Gas Supply CPIM Calculation Benchmark Load

Citygate

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

2014 - 68 June-14

Burner Tip Determined Usage (Therms)	Determined Usage (Therms) (a)x(1+dist. shrink rate)	Citygate Determined Usage (MMBtu) (b)/10	Operating Imbalance Adjustment (MMBtu)	Firm Storage Profile Inj/(Wth) (MMBtu)	Incremental Storage Inj/(Wth) (MMBtu)	Benchmark Load at Citygate (MMBtu) (c)+(d)+(e)+(f)
(a)	(0)	(c)	(a)	(e)	(1)	(g)
	Determined Usage	Determined Burner Tip Usage Determined (Therms) Usage (a)x(1+dist. (Therms) shrink rate)	Determined Citygate Burner Tip Usage Determined Determined (Therms) Usage Usage (a)x(1+dist. (MMBtu) (Therms) shrink rate) (b)/10	Determined Citygate Burner Tip Usage Determined Operating Determined (Therms) Usage Imbalance Usage (a)x(1+dist. (MMBtu) Adjustment (Therms) shrink rate) (b)/10 (MMBtu)	Determined Citygate Burner Tip Usage Determined Operating Determined (Therms) Usage Imbalance Firm Storage Usage (a)x(1+dist. (MMBtu) Adjustment Profile Inj/(Wth) (Therms) shrink rate) (b)/10 (MMBtu) (MMBtu)	Determined Citygate Burner Tip Usage Determined Operating Incremental Determined (Therms) Usage Imbalance Firm Storage Storage Usage (a)x(1+dist. (MMBtu) Adjustment Profile Inj/(Wth) Inj/(Wth) (Therms) shrink rate) (b)/10 (MMBtu) (MMBtu) (MMBtu)

2014 - 69 June-14

Doto	Benchmark Load	51107.054											
Redacted	at Citygate	RUBY OPAL	NOVA AECO	TW SAN JUAN GTN KINGSGATE	KR OPAL	NOVA AECO	RUBY OPAL	RUBY OPAL	NOVA AECO	TW SAN JUAN	TW SAN JUAN	TOPOCK-BAJA	CITYGATE
Redacted													
	<del></del>												

2014 - 70 June-14

SEQUENCE VOLUMES AT CITYCLE (MART-L) (A)

BURY CRAIL MOVA APCC TW SAN BAM. CITH RENEWGATE. CREDRAL TOPOCK-MANA. CITYCLET

REDICATE

RESIDENCE AND APCC. TW SAN BAM. CITH RENEWGATE. CREDRAL TOPOCK-MANA. CITYCLET

RESIDENCE AND APCC. TW SAN BAM. CITH RENEWGATE. CREDRAL TOPOCK-MANA. CITYCLET

RESIDENCE AND APCC. TW SAN BAM. CITH RENEWGATE. CREDRAL TOPOCK-MANA. CITYCLET

RESIDENCE AND APCC. TW SAN BAM. CITH RENEWGATE. CREDRAL TOPOCK-MANA. CITYCLET

RESIDENCE AND APCC. TW SAN BAM. CITH RENEWGATE. CREDRAL CITYCLET

RESIDENCE AND APCC. TW SAN BAM. CITH RENEWGATE. CREDRAL CITYCLET

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RESIDENCE AND APCC. TW SAN BAM. CITH CHARGE AND APCC. TW S

2014 - 71 June-14

TOTAL COMMODITY BENCHMARK (USD) (c) = (a) x (b)

Date	RUBY OPAL	NOVA AECO	TW SAN JUAN	GTN KINGSGATE	KR OPAL	TOPOCK-BAJA	CITYGATE	TOTAL
Redacted								

## Pacific Gas and Electric Company Core Gas Supply CPIM Calculation Firm and Incremental Storage

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

2014 - 72 June-14

June-14			PG&E FIRM STORAG		Redacted				
Date	Injection/ Withdrawal (MMBtu) (a)	Imbalance Trading (MMBtu) (b)	Sales/Transfers (MMBtu) (c)	Parking (d)	Ending Inventory (e) <sup>0</sup> +(a)+(b)+(c)+(d) (e)	Nominations at Field (MMBtu) (a)	Equivalent at Citygate (MMBtu) (b)	Ending Inventory (MMBtu) (c)	
Redacted									

# Pacific Gas and Electric Company Core Gas Supply CPIM Calculation Capacity Release

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

2014 - 73

June-14

Pipeline	MMBtu	Amount
Redacted		

### Pacific Gas and Electric Company Core Gas Supply CPIM Calculation Capacity Utilization

PG&E CALIFORNIA GAS TRANSMISSION.

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

TOPOCK-BAJA

2014 - 74 June-14

PG&E CALIFORNIA GAS TRANSMISSION

NORTH PATH-REDWOOD

IGE CALIFORNIA	CAS I KANSIVIIS	SION		NORTH	III-KEDWOOD			F GOL CALIFORNIA	GAS I KANSINISSION			101001	-DAJA		
onth/Year	Daily Volume (MMBtu) (a)	Days In Month (b)	Contract Capacity (MMBtu) (a)x(b) (c)	Capacity Release (d)	Net Contract Capacity (c)+(d) (e)	Gas Delivered (f)	Percentage Utilization (f)/(e) (g)	Month/Year	Daily Volume (MMBtu) (a)	Days In Month (b)	Contract Capacity (MMBtu) (a)x(b) (c)	Capacity Release {d}	Net Contract Capacity (c)+(d) (e)	Gas Delivered {f}	Percentage Utilization (f)/(e) (g)
edacted															

### Pacific Gas and Electric Company Core Gas Supply CPIM Calculation Capacity Utilization

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

2014 - 75 June-14

nth/Vone	Daily Volume (MMBtu)	Days In Month	Contract Capacity (MMBtu) (a)x(b)	Capacity Release	Net Contract Capacity (c)+(d)	Gas Delivered	Percentage Utilization (f)/(e)	Month (Voor	Daily Volume (MMBtu)	Days In Month	Contract Capacity (MMBtu) (a)x(b)	Capacity Release	Net Contract Capacity (c)+(d)	Gas Delivered	Percentag Utilizatio (f)/(e)
edacted			•												

# Pacific Gas and Electric Company Core Gas Supply CPIM Calculation Portfolio Composition

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

2014 - 76 June-14

	MMBtu Purchases					Average Price (USD)				Percentage of Total			
Month/Year	Swing	Prompt	Term	Total	Swing	Prompt	Term	Total	Swing	Prompt	Term		
Redacted				_					_	<u></u>			

### Pacific Gas and Electric Company Core Gas Supply CPIM Calculation Executed Hedge Summary

2014 - 77 June-14

Execution Coverage Option Volumes Option Swap Volumes Swap Average (MMBtu) Premiums (MMBtu) Price (MMBtu)

Redacted

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 AECO Index

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

2014 - 78 June-2014

Month/Year (a)	AECO Index CAN\$/GJ (1) (b)	Conversion of Index to C\$/MMBtu (2) (c)	Foothills Fuel % (d)	Index Grossed Up for Fuel (c) / (1-(d)) (e)	Monthly Exchange Rate (3) (f)	Index @ Kingsgate U\$/MMBtu (e) / (f) (g)	GTN Fuel % (h)	Index Grossed Up for Fuel (g) / (1-(h)) (i)	GTN Volumetric Rate (j)	Total Index @ Malin (i) + (j) (k)	CGT Fuel % (I)	Index Grossed Up for Fuel (k) / (1-(I)) (m)	Redwood CGT Volumetric Rate (n)	Total Index @ Citygate (m) + (n) U\$/MMBtu (o)
edacted	(3)	(-)	(-)	(5)	V-1	(8)	7-17	(1)	- 07	(-1)	V-1	(///)	(**)	(0)

Redacted		

### Pacific Gas and Electric Company Core Gas Supply CPIM Calculation Kingsgate Index

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

2014 - 79 June-2014

Month/Year (a)	AECO Index CAN\$/GJ (1) (b)	NOVA IT Rate CAN\$/GJ (c)	Foothills Fuel % (d)	Foothills IT Rate CAN\$/GJ (e)	Monthly Exchange Rate (2) (f)	Index @ Kingsgate US\$/MMBtu (3) (g)	GTN Fuel % (h)	Index Grossed Up for Fuel (g) / [1-(h)] (i)	GTN Volumetric Rate (j)	Total Index @ Malin (i) + (j) (k)	CGT Fuel % (I)	Index Grossed Up for Fuel (k) / [1-(I)] (m)	Redwood CGT Volumetric Rate (n)	Total Index @ Citygate (m) + (n) U\$/MMBtu (o)
Redacted	(2)	(0)	(u)	(0)	(1)	(6/	(11)		U)	(N)	(1)	(,,,,	(11)	(0)

Redacted		
\cuacteu		

# Pacific Gas and Electric Company Core Gas Supply CPIM Calculation Rockies Ruby Index

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

2014 - 80 June-2014

Month/Year	Ruby Index \$/MMBtu (1)	Ruby Fuel %	Index Grossed Up for Fuel (b) / [1-(c)]	Ruby Volumetric Rate	Index @ Malin \$/MMBtu (d) + (e)	CGT Fuel %	Index Grossed Up for Fuel (f) / [1-(g)]	CGT Redwood Volumetric Rate	Total Index @ Citygate \$/MMBtu (h) + (i)
(a) Redacted	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)
Redacted									

Redacted

### Pacific Gas and Electric Company Core Gas Supply CPIM Calculation Rockies Kern Index

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

2014 - 81 June-2014

une-2014									
			Index		Index		Index		Total Index
			Grossed Up		@ Daggett		Grossed Up	CGT Baja	@ Citygate
	Kern Index	Kern	for Fuel	Kern	\$/MMBtu	CGT	for Fuel	Volumetric	\$/MMBtu
Month/Year	\$/MMBtu (1)	Fuel %	(b) / [1-(c)]	Volumetric Rate	(d) + (e)	Fuel %	(f) / [1-(g)]	Rate	(h) + (i)
(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)
edacted									

(1) Per Inside FERC Gas Market Report, Northwest Pipeline - Rocky Mountains

# Pacific Gas and Electric Company Core Gas Supply CPIM Calculation El Paso/SJ Index

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

2014 - 82 June-2014

Month/Year (a)	El Paso Index \$/MMBtu (1) (b)	El Paso Fuel % (c)	Index Grossed Up for Fuel (b) / [1-(c)] (d)	El Paso Volumetric Rate (e)	Index @ Topock \$/MMBtu (d) + (e) (f)	CGT Fuel % (g)	Index Grossed Up for Fuel (f) / [1-(g)] (h)	CGT Volumetric Rate (i)	El Paso Index @ Citygate \$/MMBtu (h) + (i) (j)	Transwestern Index @ Citygate \$/MMBtu (k)	El Paso % (I)	Transwestern % (m)	Total Index @ Citygate \$/MMBtu (n)
Redacted					·								

Redacted			

# Pacific Gas and Electric Company Core Gas Supply CPIM Calculation Transwestern Index

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

2014 - 83 June-2014

			Index		Index		Index		Total Inde
	Transwestern		Grossed Up		@ Topock		Grossed Up	CGT	@ Citygate
	Index (1)	Transwestern	for Fuel	Transwestern	\$/MMBtu	CGT	for Fuel	Volumetric	\$/MMBtu
Month/Year	\$/MMBtu	Fuel %	(b) / [1-(c)]	Volumetric Rate	(d) + (e)	Fuel %	(f) / [1-(g)]	Rate	(h) + (i)
(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)
dacted									

Redacted

# Pacific Gas and Electric Company Core Gas Supply CPIM Calculation Topock Daily Index

2014 - 84 June-2014

Redacted

@ Topock CGT for Fuel Volumetric S/MMBtu Index Date S/MMBtu (1) Fuel % (b) / [1-(c)] Rate (d) + (e) S/MMBtu (2) (a) (b) (c) (d) (e) (f) (g)  Redacted		Daily Index		Index Grossed Up	CGT	Total Index @ Citygate	PG&E Citygate
(a) (b) (c) (d) (e) (f) (g)	Date	@ Topock \$/MM8tu (1)	CGT Fuel %	for Fuel (b) / [1-(c)]	Volumetric Rate	\$/MMBtu (d) + (e)	Index \$/MM8tu (2)
Redacted	(a)	(b)	(c)	(d)		(f)	(g)
	Redacted						

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