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

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

2014 - 1 June-14

	CANADIAN AND U.S. GAS COSTS			PIPELINE RESERVATION CHARGES TOTAL CPIM PERFORMANCE				TOLERANCE BAND					
Nameth (Vann	0.00.00.00	Day shows all	Damahasanlı Astuala	Actuals % of	01	Dan alaman ula	0	Dan ah was ula	Damahanani, Astronia	Actuals % of	l lana an l i mais	t account insta	(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	1												
Jan-14													
Feb-14													
Mar-14	ļ.												
Apr-14													
May-14	i i												
Jun-14	Į.												
Jul-14													
Aug-14													
Sep-14													
Oct-14	ł												
Total	i												
	-												

Redacted			

2013 - 2 November-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)
CGT - CORE	Redacted						
CGT - CORE							
CGT - CORE							
CGT - CORE							
El Paso							
GTN							
GTN							
Kern							
Kern							
Nova							
Ruby							
Ruby							
Ruby							
Ruby							
Ruby							
Transwestern	. , , , , , , , , , , , , , , , , , , ,						
Total		22,316,919	(1,619,211)	20,697,708	\$77,028,473	(\$6,098,327)	\$70,930,146

Pacific Gas and Electric Company Core Gas Supply CPIM Calculation Transport and Storage Costs

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

2013 - 3 November-13

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

2013 - 4 November-13

Redacted 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

Citygate

2013 - 5 November-13

	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)
	-						

2013 - 6 November-13



2013 - 7 November-13

VOVEITIBE:-13														
				OLUMES AT CITYGAT						INDEXES A	<u>AT CITYGATE</u> (USD/M			
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														

2013 - 8 November-13

 $\underline{\text{TOTAL COMMODITY BENCHMARK}}$ (USD) (c) = (a) x (b)

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

2013 - 9 November-13

Movember-15			PG&E FIRM STORAG	<u>3E</u>		Red	acted	
Date	Injection/ Withdrawal (MMBtu) (a)	Imbalance Trading (MMBtu) (b)	Sales/Transfers (MMBtu) (c)	Parking (d)	Ending Inventory (e) ⁰ +(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 - 10

November-13

MMBtu	Amount
	MMBtu

2013 - 11 December-13

				Net Purchases			
² ipeline	Location	Purchases (MMBtu) (a)	Sales (MMBtu) (b)	and Sales (MMbtu) (a)+(b) (c)	Purchase Costs (d)	Sales Revenue (e)	Total Net Costs (d)+(e) (f)
edacted		, , , , , , , , , , , , , , , , , , ,		. ,		. ,	

2013 - 12 December-13

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

2013 - 13 December-13

Commodity Costs and Revenues

Redacted

Actual Costs Benchmark Costs Costs

Costs

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

Citygate

2013 - 14 December-13

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	(a)	(6)	(0)	(u)	(e)	(1)	(8)
							ţ
-							

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														
1															

2013 - 16 December-13

December-13														
			SEQUENCED VOLUMES AT CITYGATE (MMBtu) (a) INDEXES AT CITYGATE (USD/MMBtu) (b)											
Date Redacted	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 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	35	Redacted				
<u> Date</u>	Injection/ Withdrawal (MMBtu) (a)	Imbalance Trading (MMBtu) (b)	Sales/Transfers (MMBtu)	Parking (d)	Ending inventory (e) ⁰ +(a)+(b)+(c)+(d) (e)	Nominations at Field (MMBtu) (a)	Equivalent at Citygate (MMBtu)	Ending Inventory (MMBtu)	
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

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				. , ,			···
reduced							

Fixed

Volumetric

2014 - 21 January-14

		1 IACU				Volumetric	
		Reservation	Reservation Cost	Capacity Release	Cost Subtotal	Transportation	Total Costs
		Costs (USD)	Discount	Revenue	(a)+(b)+(c)	Costs (USD)	(d)+(e)
n					(a)+(b)+(c)		(u)+(e)
Pipeline/Facility	Contract	(a)	(b)	(c)	(d)	(e)	(f)
dacted							

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

Benchmark - Actual

2014 - 22 January-14

Redacted

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 - 23 January-14

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

Confidential Material Submitted Pursuant to General Order 66-C and P.U. Code Section 583 2014 - 24 January-14



2014 - 25 January-14

iiidai y-14														
			SEQUENCED V	OLUMES AT CITYGAT	<u>E</u> (MMBtu) (a)					INDEXES A	<u>T CITYGATE</u> (USD/M	MBtu) (b)		
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
edacted														
aaccca														

2014 - 26 January-14

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

5.	DUDY ODA:	NOVA AFGG	THECANONIC	CTN KINGGGATS	VD 0041	TODOCK BASS	CITYCATE	TOTAL
Redacted	RUBY OPAL	NOVA AECO	I W SAN JUAN	GTN KINGSGATE	KR OPAL	TOPOCK-BAJA	CITYGATE	TOTAL

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

LODI GAS STORAGE, L.L.C.

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

2014 - 27 January-14

0-4-	Injection/ Withdrawal (MMBtu) (a)	Imbalance Trading (MMBtu) (b)	Sales/Transfers (MMBtu) (c)	Parking (d)	Ending Inventory (e) ⁰ +(a)+(b)+(c)+(d) (e)	Nominations at Field (MMBtu) (a)	Equivalent at Citygate (MMBtu) (b)	Ending Inventory (MMBtu) (c)
Redacted	Ial	Ibi	ICI	<u>Idl</u>	le)	lai	Ini	ICI
					_			_

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
Redacted		

2014 - 29 February-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 - 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	001117400	(=)	(=)	(-)	(4.)	(0)	(1)	

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

2014 - 31 February-14

Redacted

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

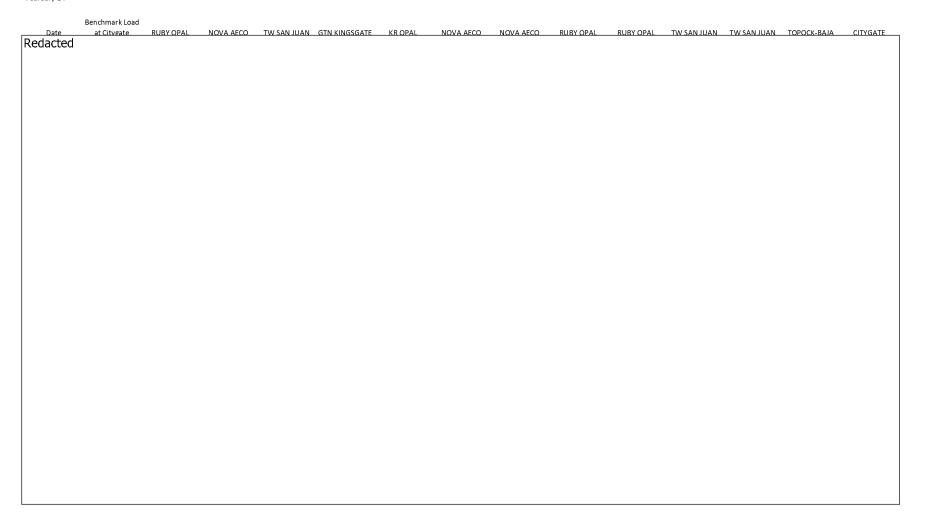
Citygate

2014 - 32 February-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	(0)	(5)	(e)	(u)	(0)	(1)	(6)

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 - 33 February-14



2014 - 34 February-14

			SEQUENCED VOLUMES AT CITYGATE (MMBtu) (a) INDEXES AT CITYGATE (USD/MMBtu) (b)											
_{Date} edacted	RUBY OPAL	NOVA AECO	TW SAN JUAN G	TN KINGSGATE	KR OPAL	TOPOCK-BAJA	CITYGATE	RUBY OPAL	NOVA AECO	TW SAN JUAN	GTN KINGSGATE	KR OPAL	TOPOCK-BAJA	CITYGAT
dacted														

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

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

Date	RUBY OPAI	NOVA AFCO	TW SAN IIIAN	GTN KINGSGATE	KR OPAI	TOPOCK-RAIA	CITYGATE	TOTAL
Redacted						TOPOCK-RAIA		

Redacted

2014 - 36 February-14

Date	Injection/ Withdrawal (MMBtu) (a)	Imbalance Trading (MMBtu) (b)	Sales/Transfers (MMBtu) (c)	Parking (d)	Ending Inventory (e) ⁰ +(a)+(b)+(c)+(d) (e)	Nominations at Field (MMBtu) (a)	Equivalent at Citygate (MMBtu) (b)	Ending Inventory (MMBtu) (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 - 37

February-14

Pipeline	MMBtu	Amount
Redacted		

2014 - 38 March-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							

Fixed

Volumetric

2014 - 39 March-14

		1 IACU				Volumetric	
		Reservation Reservation Cost Capacity Release Cost Subtotal					
		Costs (USD)				Transportation	Total Costs
			Discount	Revenue	(a)+(b)+(c)	Costs (USD)	(d)+(e)
peline/Facility	Contract	(a)	(b)	(c)	(d)	(e)	(f)
edacted							

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

Benchmark - Actual

2014 - 40 March-14

Actual Costs Benchmark Costs Costs

Redacted

Commodity Costs and 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 - 41 March-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							

2014 - 42 March-14

	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
Redacted														

SEQUENCED VOLUMES AT CITYGATE (MMBtu) (a)

INDEXES AT CITYGATE (USD/MMBtu) (b)

2014 - 43 March-14

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														

2014 - 44 March-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 - 45 March-14

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

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 - 46 March-14

Pipeline	MMBtu	Amount
Redacted		

2014 - 47 April-14

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

2014 - 48 April-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 - 49 April-14

Redacted 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

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

2014 - 50 April-14

Burner Tip Determined Usage (Therms)	Citygate 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)	m	(63)	TOL	(P)	113	[9]
						}
	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 - 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														

SEQUENCED VOLUMES AT CITYGATE (MMBtu) (a)

INDEXES AT CITYGATE (USD/MMBtu) (b)

2014 - 52 April-14

					_ ((,	, , ,		
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								•						

2014 - 53 April-14

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

		TOTAL COMMOL	DITY BENCHMARK (US	oD) (c) = (a) x (b	')		
RUBY OPAL	NOVA AECO	TW SAN JUAN	GTN KINGSGATE	KR OPAL	TOPOCK-BAJA	CITYGATE	TOTAL
							•
	RUBY OPAL	RUBY OPAL NOVA AECO				RUBY OPAL NOVA AECO TW SAN JUAN GTN KINGSGATE KR OPAL TOPOCK-BAJA	

Redacted

2014 - 54 April-14

	Injection/ Withdrawal (MMBtu)	Imbalance Trading (MMBtu)	Sales/Transfers (MMBtu)	Parking	Ending Inventory (e) ⁰ +(a)+(b)+(c)+(d)	Nominations at Field (MMBtu)	Equivalent at Citygate (MMBtu)	Ending Inventory (MMBtu)
Date	(MINIBLU)	(MNBtu)	(c)	(d)	(e) +(a)+(b)+(c)+(d)	(MMBtu)	(MMBtu)	(c)
Redacted	(4)	107	(C)	(%)	(c)	,u,	101	(C)

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

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		(5)	(-)	(-)	()	(-)	(-7

2014 - 57 May-14

		Fixed				Volumetric	
		Reservation	Reservation Cost	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

2014 - 58 May-14

Commodity Costs and Revenues

Redacted

Actual Costs Benchmark Costs 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

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

2014 - 59 May-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					()		νο,

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

2014 - 60 May-14

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

2014 - 61 May-14

SEQUENCES VOLUMENTAL CONCERT (MS) PARAMENTAL (

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								

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 - 63 May-14

PG&E FIRM STORAGE				Redacted					
Date	Injection/ Withdrawal (MMBtu) (a)	Imbalance Trading (MMBtu) (b)	Sales/Transfers (MMBtu) (c)	Parking (d)	Ending Inventory (e) ⁰ +(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		
Treadelea		

2014 - 65 June-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							

2014 - 66 June-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 - 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			
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

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	(a)	(5)	(0)	(u)	(6)	(1)	(8)

2014 - 69 June-14

	Benchmark Load		N. 61/4 455-			V	NO. 14 450-			1101// 450-			T0000// 0441	0.00.00.00
Redacted	at Citygate	RUBY OPAL	NOVA AECO	I W SAN JUAN	GTN KINGSGATE	KR OPAL	NOVA AECO	RUBY OPAL	RUBY OPAL	NOVA AECO	TW SAN JUAN	I W SAN JUAN	TOPOCK-BAJA	CITYGATE
Reducted														

SEQUENCED VOLUMES AT CITYGATE (MMBtu) (a)

INDEXES AT CITYGATE (USD/MMBtu) (b)

2014 - 70 June-14

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														
1														

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								

2014 - 72 June-14

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

PG&E CALIFORNIA GAS TRANSMISSION

NORTH PATH-REDWOOD

	A GAS TRANSIVIIS	<u> </u>			H-KEDWOOD			TOOL O'TEN ONTHIN	GAS TRANSIVIISSION			TOPOCE	. 5, 6, 1		
Month/Year	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/Year	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)
edacted															

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

RUBY PIPELINE, L.L.C.

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

2014 - 75 June-14

KERN RIVER GAS TRANSMISSION COMPANY

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)		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)
(a)	(6)	(6)	(d)	(0)	741	(4)	Manth /Vaax	(a)	(6)	(6)	(4)	(6)	(#)	(2)
	(MMBtu)	(MMBtu) Days In Month	Daily Volume Capacity (MMBtu) (MMBtu) Days In Month (a)x(b)	Capacity	Capacity Net Contract	Capacity	Capacity	Capacity	Capacity		Capacity Net Contract Percentage Contract Capacity Daily Volume (MMBtu) Capacity Capacity Utilization Daily Volume (MMBtu) (MMBtu) Days In Month (a)x(b) Release (c)+(d) Gas Delivered (f)/(e) (MMBtu) Days In Month (a)x(b)	Capacity Net Contract Percentage Contract Capacity Daily Volume (MMBtu) Capacity Capacity Utilization Daily Volume (MMBtu) (MMBtu) Days In Month (a)x(b) Release (c)+(d) Gas Delivered (f)/(e) (MMBtu) Days In Month (a)x(b) Capacity Release (c)+(d) (d) (d) (d) (d) (d) (d) (d) (d) (d)	Capacity Net Contract Daily Volume (MMBtu) Capacity Capacity Utilization Daily Volume (MMBtu) Days In Month (a)x(b) Release (c)+(d) Gas Delivered (ff/e) (MBtu) Days In Month (a)x(b) Capacity Release (c)+(d) Capacity Rele	Capacity Net Contract Daily Volume (MMBtu) Capacity Capacity Utilization Daily Volume (MMBtu) Capacity Capacity (MMBtu) Days In Month (a)x(b) Release (c)+(d) Gas Delivered (f)/(e) (MMBtu) Days In Month (a)x(b) Capacity Release (c)+(d) Gas Delivered (f)/(e) (MMBtu) Days In Month (a)x(b) Capacity Release (c)+(d) Gas Delivered (f)/(e) (f)/(e

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 Pr	rice (USD)		Percentage of Total			
Month/Year	Swing	Prompt	Term	Total	Swing	Prompt	Term	Total	Swing	Prompt	Term	
Redacted												

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

2014 - 77 June-14

Execution Coverage Month Period Option Volumes Option Swap Volumes Swap Average (MMBtu) Price (MMBtu)

Redacted

Total Volume (MMBtu)

Premiums (MMBtu)

Price

Total Volume (MMBtu)

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)	Conversion of Index to C\$/MMBtu (2)	Foothills Fuel % (d)	Index Grossed Up for Fuel (c) / (1-(d))	Monthly Exchange Rate (3)	Index @ Kingsgate U\$/MMBtu (e) / (f)	GTN Fuel % (h)	Index Grossed Up for Fuel (g) / (1-(h))	GTN Volumetric Rate (i)	Total Index @ Malin (i) + (j) (k)	CGT Fuel %	Index Grossed Up for Fuel (k) / (1-(I)) (m)	Redwood CGT Volumetric Rate (n)	Total Index @ Citygate (m) + (n) U\$/MMBtu
Redacted	In)	(6)	IN	IAI	(1)	151	INI	113	133	183		IM)	in)	IOI

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	(5)	(6)	(u)	(0)	('/	(6)	(11)	(1)	U/	(N)	(1)	(,,,,	(11)	(0)

Redacted	

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

	Ruby Index \$/MMBtu	Ruby	Index Grossed Up for Fuel	Ruby	Index @ Malin \$/MMBtu		Index Grossed Up for Fuel	CGT Redwood Volumetric	Total Index @ Citygate \$/MMBtu
Month/Year	(1) (b)	Fuel %	(b) / [1-(c)]	Volumetric Rate	(d) + (e) (f)	CGT Fuel %	(f) / [1-(g)] (b)	Rate (i)	(h) + (i)
Redacted	IAL	123	IAI	101	10	161			

edacted		

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)
Redacted									

Redacted			

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)]	El Paso Volumetric Rate (e)	Index @ Topock \$/MMBtu (d) + (e) /fl	CGT Fuel % (g)	Index Grossed Up for Fuel (f) / [1-(g)] (h)	CGT Volumetric Rate (i)	El Paso Index @ Citygate \$/MMBtu (h) + (i)	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

une-2014									
			Index		Index		Index		Total Index
	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)
edacted									

Redacted

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

2014 - 84 June-2014

Redacted

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

SB_GT&S_0768366