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 March-14

		CANADIAN AND	U.S. GAS COSTS		PIPELINE RESERY	VATION CHARGES		TOTAL CPIM P	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

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 - 3 November-13

Pipeline/Facility Redacted	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)
Redacted							
		· · · · · · · · · · · · · · · · · · ·				V =(V)=(V)	

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

2013 - 4 November-13 Confidential Material Submitted Pursuant to General Order 66-C and P.U. Code Section 583

			Benchmark - Actual
	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

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							

2013 - 6 November-13

Date	Benchmark Load at Citygate	RUBY OPAL	NOVA AECO	TW/SAN IIIAN	GTN KINGSGATE	KR OPAL	NOVA AECO	NOVA AECO	RUBY OPAL	RUBY OPAL	TW SAN JUAN	TW/ CAN IIIAN	TOPOCK BAIA	CITYGATE
Redacted	at Citygate	NODI OPAL	NOVA AECO	I W JAN JUAN	GIIN NIINGSGAIE	NN OPAL	NOVA AECO	NOVA AECO	NOBT OPAL	NODI OPAL	I W SAN JUAN	I W SAN JUAN	TOPOCK-BAJA	CITIGATE

2013 - 7 November-13

SEQUENCED VOLUMES AT CITYGATE (MMBtu) (a) 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 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 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 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 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 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 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 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 RUBY OPAL NOVA AECO TW SAN JUAN GTN KINGSGATE KR OPAL TOPOCK-BAJA CITYGATE RUBY OPAL	(b) OPAL TOPOCK-BAJA	CITYGAT
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 REDACTED	OPAL TOPOCK-BAJA	CITYGAT
Redacted		

2013 - 8

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

WOVEHIBEI-13				MIT BENCHMANN (OS	- / (-/ (-/ (-/			
Date	RUBY OPAL	NOVA AECO	TW SAN JUAN	GTN KINGSGATE	KR OPAL	TOPOCK-BAJA	CITYGATE	TOTAL
Redacted								

LODI GAS STORAGE, L.L.C.

2013 - 9 November-13

	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)
Redacted	(a)	(b)	(c)	(d)	(e)	(a)	(b)	(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

2013 - 10

November-13

Pipeline	MMBtu	Amount
Pipeline Redacted		
	-	

2013 - 11 December-13

				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			,	` '	. ,	` '	

2013 - 12 December-13

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

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

Benchmark - Actual

2013 - 13 December-13

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

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

Date	Benchmark Load 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														

2013 - 16 December-13

December 15														
			SEQUENCED V	OLUMES AT CITYGAT	<u>E</u> (MMBtu) (a)					INDEXES A	AT CITYGATE (USD/MI	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
Redacted														

2013 - 17

December-13			TOTAL COMMOD	<u> ITY BENCHMARK</u> (U	SD) (c) = (a) x (l	o)	ı	
Date	RUBY OPAL	NOVA AECO	TW SAN JUAN	GTN KINGSGATE	KR OPAL	ТОРОСК-ВАЈА	CITYGATE	TOTAL
Redacted								

Redacted

2013 - 18 December-13

	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)
Redacted	131	Thi	TC1	Idi	101	731	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

2013 - 19

December-13

Pipeline	MMBtu	Amount
Pipeline 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		(=)	(4)	(-)	()	(-)	(-7

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

Actual Costs Benchmark Costs Costs

Commodity Costs and Revenues

Redacted

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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)
Reducted							

2014 - 24 January-14

Date	Benchmark Load at Citygate	01107/024:	1101/4 4555	-										
Redacted	at citygate	RUBY OPAL	NOVA AECO	TW SAN JUAN GTN	LKINGSGATE	KR OPAL	NOVA AECO	NOVA AECO	RUBY OPAL	TW SAN JUAN	RUBY OPAL	TW SAN JUAN	TOPOCK-BAJA	CITYGATE
touuccou														
	_													

SEQUENCED VOLUMES AT CITYGATE (MMBtu) (a)

INDEXES AT CITYGATE (USD/MMBtu) (b)

2014 - 25 January-14

			SEGSENCED V	CECIVIES ATT CITTOAT	<u>- (</u>					DERES?	(CSB) IV			
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	CITYGAT
edacted								-						

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

2014 - 26 January-14

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

,					, , , , , ,		1	
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

LODI GAS STORAGE, L.L.C.

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2014 - 27 January-14

			, call min of chirici	-		<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) (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

unt
_

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		• •		,-,	,,	,	

Fixed

Volumetric

2014 - 30 February-14

PielineFacility	Contract	Reservation Costs (USD) (a)	Reservation Cost Discount (b)	Capacity Release Revenue (c)	Cost Subtotal (a)+(b)+(c) (d)	Transportation Costs (USD) (e)	Total Costs (d)+(e) (f)
Redacted		()	(8)	(0)	(3)	(5)	(-)

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

Benchmark - Actual

2014 - 31 February-14

Redacted Benchmark Costs Costs

Commodity Costs and Revenues

Redacted

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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							

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

2014 - 33 February-14



2014 - 34 February-14

				OLUMES AT CITYGATI							AT CITYGATE (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	CITYGATI
edacted														

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

2014 - 36 February-14

February-14			PG&E FIRM STORAG	<u>GE</u>		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 - 37

February-14

Pipeline	MMBtu	Amount
Pipeline Redacted		

2014 - 38 March-14

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

2014 - 39 March-14

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

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

Benchmark - Actual

2014 - 40 March-14

Actual Costs Benchmark Costs Costs

Commodity Costs and Revenues

Redacted

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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							

2014 - 42 March-14

Date	Benchmark Load 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	,,,													

2014 - 43 March-14

				OLUMES AT CITYGAT		<u>INDEXES AT CITYGATE</u> (USD/MMBtu) (b) IE <mark>I</mark> RUBY OPAL NOVA AFCO TW SAN JUAN GTN KINGSGATF KR OPAL TOPOCK-BAJA								
Date Redacted	RUBY OPAL	NOVA AFCO	TW SAN JUAN	GTN KINGSGATE	KR OPAL	TOPOCK-BAIA	CITYGATE	RUBY OPAL	NOVA AFCO	TW SAN JUAN	GTN KINGSGATE	KR OPAL	TOPOCK-BAJA	CITYGATE
edacted														

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								

2014 - 45 March-14

March-14			PG&E FIRM STORAG	<u>3E</u>	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	\ <u>-</u> /	1.27		(5.7	157	, in the second		(=/				

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

Pineline Redacted	MMRtu	Amount
Redacted		

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 - 47 March-14

G&E CALIFORNIA GAS TRANSMISSION			NORTH PAT	TH-REDWOOD			PG&E CALIFORNIA	GAS TRANSMISSION		TOPOCK-BAJA					
nth/Vear	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)
dacted															
ASO NATUR	AL GAS COMPANY	11.6						GAS TRANSMISSIO	N NODTHIWEST I.C						
ASO NATUR	AL GAS COMPANY,	L.L.C.	Contract					GAS TRANSMISSIO	N NORTHWEST LLC						
ASO NATUR		L.L.C.	Capacity	Capacity	Net Contract Capacity		Percentage Utilization	GAS TRANSMISSIO			Contract Capacity (MMBtu)		Net Contract Capacity		
	Daily Volume (MMBtu)	Days In Month	Capacity (MMBtu) (a)x(b)	Capacity Release	Capacity (c)+(d)	Gas Delivered	Utilization (f)/(e)		Daily Volume (MMBtu)	Days In Month	(MMBtu) (a)x(b)	Capacity Release	Capacity (c)+(d)	Gas Delivered	Utilization (f)/(e)
h/Year	Daily Volume		Capacity (MMBtu)		Capacity	Gas Delivered (f)	Utilization	GAS TRANSMISSIO	Daily Volume	Days In Month (b)	(MMBtu)	Capacity Release (d)	Capacity	Gas Delivered (f)	Percentag Utilization (f)/(e) (g)
n/Year	Daily Volume (MMBtu)	Days In Month	Capacity (MMBtu) (a)x(b)	Release	Capacity (c)+(d)		Utilization (f)/(e)		Daily Volume (MMBtu)		(MMBtu) (a)x(b)		Capacity (c)+(d)		Utilizatio (f)/(e)
ı/Year	Daily Volume (MMBtu)	Days In Month	Capacity (MMBtu) (a)x(b)	Release	Capacity (c)+(d)		Utilization (f)/(e)		Daily Volume (MMBtu)		(MMBtu) (a)x(b)		Capacity (c)+(d)		Utilizatio (f)/(e)
ı/Year	Daily Volume (MMBtu)	Days In Month	Capacity (MMBtu) (a)x(b)	Release	Capacity (c)+(d)		Utilization (f)/(e)		Daily Volume (MMBtu)		(MMBtu) (a)x(b)		Capacity (c)+(d)		Utilizatio (f)/(e)
h/Year	Daily Volume (MMBtu)	Days In Month	Capacity (MMBtu) (a)x(b)	Release	Capacity (c)+(d)		Utilization (f)/(e)		Daily Volume (MMBtu)		(MMBtu) (a)x(b)		Capacity (c)+(d)		Utilizatio (f)/(e)
h/Year	Daily Volume (MMBtu)	Days In Month	Capacity (MMBtu) (a)x(b)	Release	Capacity (c)+(d)		Utilization (f)/(e)		Daily Volume (MMBtu)		(MMBtu) (a)x(b)		Capacity (c)+(d)		Utilizatio (f)/(e)
h/Year	Daily Volume (MMBtu)	Days In Month	Capacity (MMBtu) (a)x(b)	Release	Capacity (c)+(d)		Utilization (f)/(e)		Daily Volume (MMBtu)		(MMBtu) (a)x(b)		Capacity (c)+(d)		Utilizatio (f)/(e)
:h/Year acted	Daily Volume (MMBtu)	Days In Month	Capacity (MMBtu) (a)x(b)	Release	Capacity (c)+(d)		Utilization (f)/(e)		Daily Volume (MMBtu)		(MMBtu) (a)x(b)		Capacity (c)+(d)		Utilization (f)/(e)

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 - 48 March-14

KERN RIVER GAS TRANSMISSION COMPANY RUBY PIPELINE, L.L.C. Contract Capacity Percentage Contract Capacity Net Contract Percentage Daily Volume (MMBtu) Capacity Capacity Utilization Daily Volume (MMBtu) Capacity Utilization Days In Month Capacity Release (MMBtu) Days In Month (a)x(b) Release (c)+(d) Gas Delivered (f)/(e) (MMBtu) (a)x(b) (c)+(d) Gas Delivered (f)/(e) Redacted TRANSWESTERN PIPELINE COMPANY Contract Net Contract Percentage Capacity Daily Volume (MMBtu) Utilization Capacity Capacity (MMBtu) Days In Month (a)x(b) (c)+(d) Gas Delivered (f)/(e) Redacted

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 - 49

March-14

			Average Pi	rice (USD)		Percentage of Total			<u>I</u>			
Month/Year	Swing	Prompt	Term	Total	Swing	Prompt	Term	Total	S	wing	Prompt	Term
Redacted												

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

2014 - 50 March-14

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 - 51 March-2014

Month/Year	AECO Index CAN\$/GJ (1)	Conversion of Index to C\$/MMBtu (2)	Foothills Fuel %	Index Grossed Up for Fuel (c) / (1-(d))	Monthly Exchange Rate (3)	Index @ Kingsgate U\$/MMBtu (e) / (f)	GTN Fuel %	Index Grossed Up for Fuel (g) / (1-(h))	GTN Volumetric Rate	Total Index @ Malin (i) + (j)	CGT Fuel %	Index Grossed Up for Fuel (k) / (1-(I))	Redwood CGT Volumetric Rate	Total Index @ Citygate (m) + (n) U\$/MMBtu
tedacted	(h)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(i)	(k)	(1)	(m)	(n)	(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 - 52 March-2014

Month/Year	AECO Index CAN\$/GJ (1)	NOVA IT Rate CAN\$/GJ (c)	Foothills Fuel %	Foothills IT Rate CAN\$/GJ (e)	Monthly Exchange Rate (2) (f)	@ Kingsgate US\$/MMBtu (3) (g)	GTN Fuel % (h)	Grossed Up for Fuel (g) / [1-(h)]	GTN Volumetric Rate (i)	Total Index @ Malin (i) + (j) (k)	CGT Fuel % (1)	Grossed Up for Fuel (k) / [1-(I)] (m)	CGT Volumetric Rate (n)	@ Citygate (m) + (n) U\$/MMBt
dacted														

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 - 53 March-2014

\$/MMBtu (h) + (i)	CGT Redwood Volumetric Rate	Grossed Up for Fuel (f) / [1-(g)]	CGT Fuel %	@ Malin \$/MMBtu (d) + (e)	Ruby Volumetric Rate	Index Grossed Up for Fuel (b) / [1-(c)]	Ruby Fuel %	Ruby Index \$/MMBtu (1)	Month/Year
(i)	(i)	(h)	(a)	(f)	(a)	(4)	(c)	(b)	(a)
									Redacted
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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 - 54 March-2014

			1 m al a		to al acc		to al acc		Tatal lada
			Index		Index		Index	00T.D. 1	Total Inde
			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)
dacted									

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 - 55 March-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 - 56 March-2014

March-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)
Redacted									

2014 - 57 November-2013

Date (a)	Daily Index @ Topock \$/MMBtu (1) (b)	CGT Fuel % (c)	Index Grossed Up for Fuel (b) / [1-(c)] (d)	CGT Volumetric Rate (a)	Total Index @ Citygate \$/MMBtu (d) + (e) (f)	PG&E Citygate Index (2) (g)
Redacted	(-)	(-)	()	(-)	(.)	(8)

2014 - 58 December-2013

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

2014 - 59 January-2014

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

2014 - 60 February-2014

		Daily Index		Index Grossed Up	CGT	Total Index @ Citygate	PG&E
	Date	@ Topock \$/MMBtu (1)	CGT Fuel %	for Fuel (b) / [1-(c)]	Volumetric Rate	\$/MMBtu (d) + (e)	Citygate Index (2)
	(a)	3/ WIWIBLU (1)	(c)	(d) (b) / [1-(c)]	(e)	(d) + (e) (f)	(g)
Redacte	ed						

Redacted			

Index

Total Index

2014 - 61 March-2014

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