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 RESERVATION CHARGES T			TOTAL CPIM F	TOTAL CPIM PERFORMANCE					
				Actuals % of			l			Actuals % of			(Over)/Under
Month/Year	Actuals	Benchmark	Benchmark - Actuals	Benchmark	Actuals	Benchmark	Actuals	Benchmark	Benchmark - Actuals	Benchmark	Upper Limit	Lower Limit	Tolerance
Redacted													

Redacted			

2013 - 2 November-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							

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

2013 - 3 November-13

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

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

2013 - 4 November-13

Benchmark - Actual **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							

2013 - 6 November-13

	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														

SEQUENCED VOLUMES AT CITYGATE (MMBtu) (a)

INDEXES AT CITYGATE (USD/MMBtu) (b)

2013 - 7 November-13

Redacted	RURY OP AL	NOVA AFCO	TW/SAN HAN 1	GTN KINGSGATE	KR OPAI	TOPOCK-RAIA	CITYGATE	RUBY OPAL	ΝΟΥΔ ΔΕΓΟ	ΤΜ SΔΝ ΙΙΙΔΝ	GTN KINGSGATE	KR OPAL	TOPOCK-RAIA	CITYGATE

2013 - 8 November-13

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

Data	DI IDV ODA	NOVA AECO	TIA/ CAN HIAN	CTN KINGSCATE	VP ODAI	TOPOCK-RAIA	CITYCATE	TOTAL
Redacted	RURVIIPAI	МПИД ДЕГП	TW/ SAN HIAN	GING KINGS COATE	KRIIPAI	II IPI II K-RAIA	(ΠΠΑ
L								

2013 - 9 November-13

November-13			PG&E FIRM STORAG	<u>GE</u>		Reda	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	(=/	(14)	, ter	(5.7	157	1=1		(5)

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		(5)	(-)	Λ-/	(-7	ν-/	\·/
rtoudottou							

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

2013 - 12 December-13

Displies /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)
Pipeline/Facility Redacted	Contract	IdI	(D)	(C)	(u)	(e)	(1)

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

Benchmark - Actual

2013 - 13 December-13

Redacted 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

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	()	(2)	(0)	(4)	(=)	ν,	(8)

2013 - 15 December-13

Date	Benchmark Load at Citygate	RUBY OPAL	NOVA AECO	TW SAN JUAN GT	IN KINGSGATE	KR OPAL	NOVA AECO	ΝΟΥΔ ΔΕΟΟ	TW/SAN IIIAN	RUBY OPAI	TW SAN JUAN	RUBY OPAL	TOPOCK-BAJA	CITYGATE	CITYGATE
Redacted	at Citygate	NODI OTAL	NOVA ALCO	117 JAN JOAN OI	MINOSORIE	MOIAL	NOVA ALGO	.,0VA ALCO		NODI OTAE	, , , on , on ,	NODI OI AE	, or our bask	SITORIE	SITIONIE

2013 - 16 December-13

ecember-13														
			SEQUENCED VOLUMES AT CITYGATE (MMBtu) (a) INDEXES AT CITYGATE (USD/MMBtu) (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 COMMODITY BENCHMARK (USD) (c) = (a) x (b)

Date	RUBY OPAL	NOVA AECO	TW SAN JUAN	GTN KINGSGATE	KR OPAL	ТОРОСК-ВАЈА	CITYGATE	TOTAL
Redacted								

Redacted

2013 - 18 December-13

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

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	Location	(a)	(6)	(0)	(u)	(e)	(')

Fixed

Volumetric

2014 - 21 January-14

		1 IACG				rolalifectio	
Pipeline/Facility	Contract	Reservation Costs (USD)	Reservation Cost Discount (b)	Capacity Release Revenue (c)	Cost Subtotal (a)+(b)+(c) (d)	Transportation Costs (USD)	Total Cost (d)+(e) (f)
	Contract	(a)	(D)	(C)	(u)	(e)	(1)
Redacted							

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

Benchmark - Actual

2014 - 22 January-14

Redacted Revenue:

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

2014 - 23 January-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 - 24 January-14

	Benchmark Load													
edacted	at Citygate	DITEN ODAT	NOVA AECO	TW CAN IIIAN	GTN VINGSGATE	VP ODAI	NOVA AECO	NOVA AECO	DITEN UDVI	TW/ SAN IIIAN	BLIBA UDVI	TW/ CAN IIIAN	TODOCK BAIA	CITYGATE
euacteu														

SEQUENCED VOLUMES AT CITYGATE (MMBtu) (a)

INDEXES AT CITYGATE (USD/MMBtu) (b)

2014 - 25 January-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 - 26 January-14

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

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

2014 - 27 January-14

January-14			PG&E FIRM STORAG		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)		
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 - 28

January-14

Pipeline	MMBtu	Amount
Redacted		

2014 - 29 February-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							

Fixed

Volumetric

2014 - 30 February-14

		11/100	D	Compales Dales	C+ C	T	T-1-10
Dializata siliku	Canting	Reservation Costs (USD)	Discount	Capacity Release Revenue	(a)+(b)+(c)	Transportation Costs (USD)	Total Costs (d)+(e)
PielineFacility Redacted	Contract	(a)	(b)	(c)	(d)	(e)	(f)
Redacted							

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

Benchmark - Actual

2014 - 31 February-14

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

Citygate

2014 - 32 February-14

Date (a) (b) (c) (d) (e) (f) (g) Redacted		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)	(a)	(e)	(1)	(g)
	reduced							

2014 - 33 February-14

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													

SEQUENCED VOLUMES AT CITYGATE (MMBtu) (a)

INDEXES AT CITYGATE (USD/MMBtu) (b)

2014 - 34 February-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 - 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

			PG&E FIRM STORAG		Red	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
Redacted		_

				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

Dialina Encilit	Contract	Fixed Reservation Costs (USD) (a)	Reservation Cost Discount (h)	Capacity Release Revenue	Cost Subtotal (a)+(b)+(c)	Volumetric Transportation Costs (USD)	Total Costs (d)+(e) (f)
PielineEacilit Redacted						ie.	

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

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					. ,		(6)

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													

2014 - 43 March-14

4.0 27													
	SEQUENCED VOLUMES AT CITYGATE (MMBtu) (a)												
.edacted	RUBY OPAL	NOVA AFCO	TW SAN JUAN GTN KINGSGATE	KR OPAL	TOPOCK-BAIA	CITYGATE	RUBY OPAI	NOVA AFCO	TW SAN JUAN	GTN KINGSGATE	KR OPAI	TOPOCK-BAIA	CITYGAT
.dacted													

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

			, oat min si ourio	-				
_{Date} Redacted	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 - 46 March-14

MMBtu	Amount
	MMBtu

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 - 47 March-14

PG&E CALIFORNIA GAS TRANSMISSION

NORTH PATH-REDWOOD

Contract Contract	Capacity Net Contract Percentage Contract Capacity Net Contract Percentage (MMBtu) Capacity Capacity Utilization Daily Volume (MMBtu) Capacity Capacity Utilization (MMBtu) Days in Month (a)a(b) Release (c)-(d) Gas Delivered (f)/(e) (MMBtu) Days in Month (a)a(b) Capacity Release (c)-(d) Gas Delivered (f)/(e) (MMBtu) Days in Month (a)a(b) Capacity Release (c)-(d) Gas Delivered (f)/(e) (MMBtu) Days in Month (a)a(b) Capacity Release (c)-(d) Gas Delivered (f)/(e) (MMBtu) Days in Month (a)a(b) Capacity Release (c)-(d) Gas Delivered (f)/(e) (MMBtu) Days in Month (a)a(b) Capacity Release (c)-(d) Gas Delivered (f)/(e) (MMBtu) Days in Month (a)a(b) Capacity Release (c)-(d) Gas Delivered (f)/(e) (MMBtu) Days in Month (a)a(b) Capacity Release (c)-(d) Gas Delivered (f)/(e) (MMBtu) Days in Month (a)a(b) Capacity Capacity Release (c)-(d) Gas Delivered (f)/(e) (MMBtu) Days in Month (a)a(b) Capacity Release (c)-(d) Gas Delivered (f)/(e) (MMBtu) Days in Month (a)a(b) Capacity Release (c)-(d) Gas Delivered (f)/(e) (MMBtu) Days in Month (a)a(b) Capacity Release (c)-(d) Gas Delivered (f)/(e) (MMBtu) Days in Month (a)a(b) Capacity Capacity (c)-(d) Gas Delivered (f)/(e) (MMBtu) Days in Month (a)a(b) Capacity Capacity (c)-(d) Gas Delivered (f)/(e) (MMBtu) Days in Month (a)a(b) Capacity Capacity (c)-(d) Gas Delivered (f)/(e) (d) Capacity (f)/(e) (d) Capaci	KE CALII OILIII	TOAS THATISTIA	331011		HORITITA	III NEDWOOD			T GOL CALIFORNIA C	AS TRANSMISSION		10100	N DAVA	
PASO NATURAL GAS COMPANY, L.L.C. Contract Capacity Net Contract Percentage Contract Capacity Net Contract Daily Volume (MMBtu) Capacity Capacity Utilization Daily Volume (MMBtu) Capacity 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) (g) Month/Year (a) (b) (c) (d) (e) (f)	Contract Capacity Net Contract Percentage Daily Volume (MMBtu) Capacity Capacity Utilization Daily Volume (MMBtu) Capacity Capacity Utilizatio (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)	nth/Vear			Capacity (MMBtu) (a)x(b)	Release	Capacity (c)+(d)	Gas Delivered	Utilization (f)/(e)	Month/Year	(MMBtu)	(MMBtu) (a)x(b)	Capacity Release	Capacity (c)+(d)	Utilizatio (f)/(e)
Contract Capacity Net Contract Percentage Contract Capacity Net Contract Daily Volume (MMBtu) Capacity Capacity Utilization Daily Volume (MMBtu) 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 (ch/Year (a) (b) (c) (d) (e) (f)	Contract Capacity Net Contract Percentage Contract Capacity Net Contract Percentage Contract Capacity Net Contract Percentage Daily Volume (MMBtu) Capacity Capacity Utilization Daily Volume (MMBtu) Capacity Capacity Utilization (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)	Jacted													
Contract Capacity Net Contract Percentage Contract Capacity Net Contract Daily Volume (MMBtu) Capacity Capacity Utilization Daily Volume (MMBtu) 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 (Year (a) (b) (c) (d) (e) (f)	Contract Capacity Net Contract Percentage Daily Volume (MMBtu) Capacity Capacity Utilization Daily Volume (MMBtu) Capacity Capacity Utilization (MMBtu) Days In Month (a)x(b) Capacity Release (c)+(d) Gas Delivered (f)/(e)														
Contract Capacity Net Contract Percentage Contract Capacity Net Contract Daily Volume (MMBtu) Capacity Capacity Utilization Daily Volume (MMBtu) 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)/(er (a) (b) (c) (d) (e) (f) (Year (a) (b) (c) (d) (e) (f)	Contract Capacity Net Contract Percentage Contract Capacity Net Contract Percentage Contract Capacity Net Contract Percenta Daily Volume (MMBtu) Capacity Capacity Utilization Daily Volume (MMBtu) Capacity Utilizatio (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)														
Contract Capacity Net Contract Percentage Contract Capacity Net Contract Daily Volume (MMBtu) Capacity Capacity Utilization Daily Volume (MMBtu) 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 Year (a) (b) (c) (d) (e) (f) (g) Month/Year (a) (b) (c) (d) (e) (f)	Contract Capacity Net Contract Percentage Lilization Daily Volume (MMBtu) Capacity Utilization Daily Volume (MMBtu) Capacity Capacity Utilization (MMBtu) Days In Month (a)x(b) Capacity Release (c)+(d) Gas Delivered (f)/(e)														
Capacity Net Contract Percentage Contract Capacity Net Contract Daily Volume (MMBtu) Capacity Capacity Utilization Daily Volume (MMBtu) 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 (Year (a) (b) (c) (d) (e) (f) (g) Month/Year (a) (b) (c) (d) (e) (f)	Capacity Net Contract Percentage Contract Capacity Net Contract Percentage Contract Capacity Net Contract Percenta Daily Volume (MMBtu) Capacity Capacity Utilization Daily Volume (MMBtu) Capacity Utilizatio (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)	O NATURA	L GAS COMPANY	Y, L.L.C.						GAS TRANSMISSION	NORTHWEST LLC				
		/Year	(MMBtu)	Days In Month	Capacity (MMBtu) (a)x(b)	Release	Capacity (c)+(d)		Utilization (f)/(e)	Month/Year	(MMBtu)	(MMBtu) (a)x(b)		Capacity (c)+(d)	Utilizatio (f)/(e)
		cted													

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

Month/Year Redacted	Daily Volume (MMBtu)	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)	RUBY PIPELINE, L.L.C. 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)
Redacted	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)								

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

	MMBtu Purchases					Average Price (USD)			<u> </u>	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 - 50 March-14

Execution Coverage Month Period 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 - 51 March-2014

Month/Year (a) Redacted	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-(l)) (m)	Redwood CGT Volumetric Rate (n)	Total Index @ Citygate (m) + (n) U\$/MMBtu (o)
Reducted														

Redacted		

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

Index

Index

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

Total Index

Index

Redwood

2014 - 52 March-2014

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

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

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

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 - 54 March-2014

Mai CII-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 - 55 March-2014

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

(a) (b) (c) (d) (e) (f) (g) (h) (i) (j) (k) (l) (m) (n)

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

Widtell Zoll									
			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)	(q)	(e)	(f)	(g)	(h)	(i)	(i)
edacted	11//	13.7	1771	13.1		16.7			

Index

Total Index

2014 - 57 November-2013

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

Index

Total Index

2014 - 58 December-2013

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

2014 - 59 January-2014

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 (2) (g)
Redacted						

2014 - 60 February-2014

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

Redacted			

Index

Total Index

2014 - 61 March-2014

Date (a)	Daily Index @ Topock \$/MMBtu (1) (b)	CGT Fuel % (c)	Index Grossed Up for Fuel (b) / [1-(c)] (d)	CGT Volumetric Rate (e)	Otal Index @ Citygate \$/MMBtu (d) + (e) (f)	PG&E Citygate Index (2) (g)
Redacted	, ,	()	()	, ,	· · · · · · · · · · · · · · · · · · ·	10/