

KCP&L GMO - L&P (Steam)
Case No. HR-2005-0436

<u>Qtr/Year</u>	<u>QCA Rate</u>	<u>Qtr/Year</u>	<u>Recon Rate</u>	<u>Cumulative Rate</u>
Q108	0.5579	Q406	(0.0198)	1.2456
Q208	0.0686	Q107	(0.0199)	1.1942
Q308	(0.0125)	Q207	(0.0115)	0.9695
Q408	(0.0083)	Q307	(0.0185)	0.5360
Q109	0.0147	Q407	(0.0190)	(0.0064)
Q209	(0.0284)	Q108	0.0047	(0.0788)
Q309	(0.1786)	Q208	0.0015	(0.2320)
Q409	(0.2384)	Q308	(0.0006)	(0.4441)
Q110	(0.0720)	Q408	(0.0006)	(0.5124)
Q210	(0.1941)	Q109	-	(0.6828)
Q310	(0.2752)	Q209	0.0008	(0.7801)
Q410	(0.3551)	Q309	0.0045	(0.8917)
Q111	(0.2986)	Q409	0.0029	(1.1148)
Q211	(0.1915)	Q110	0.0003	(1.1119)
Q311	(0.2212)	Q210	(1.1513)	(2.2100)
Q411	(0.4129)	Q310	(0.0101)	(2.2824)
Q112	(0.4865)	Q410	(0.0099)	(2.4831)
Q212	(0.4209)	Q111	(0.0085)	(2.7213)
Q312	(0.3812)	Q211	0.0010	(1.7290)
Q412	(0.3674)	Q311	0.0453	(1.6281)
Q113	(0.3547)	Q411	1.1270	(0.3594)
Q213	(0.2505)	Q112	0.0337	(0.1468)
Q313	(0.2877)	Q212	0.4786	0.4243
Q413	(0.2641)	Q312	0.0086	0.4909
Q114	(0.0568)	Q412	0.0101	(0.3281)
Q214	(0.1268)	Q113	(0.0133)	(0.2514)
Q314	(0.2048)	Q213	0.0045	(0.6426)
Q414	(0.2873)	Q313	0.0003	(0.6741)
Q115	(0.4322)	Q413	(0.0056)	(1.0652)
Q215	(0.3904)	Q114	(0.0010)	(1.3165)
Q315	(0.3237)	Q214	(0.0004)	(1.4403)
Q415	(0.4396)	Q314	0.0051	(1.5878)
Q116	(0.4843)	Q414	0.0075	(1.6268)
Q216	(0.4781)	Q115	0.0094	(1.7041)
Q316	(0.3357)	Q215	0.0008	(1.7149)
Q416	(0.3722)	Q315	(0.0061)	(1.6587)
Q117	(0.3986)	Q415	(0.0093)	(1.5898)
Q217	(0.3596)	Q116	(0.0133)	(1.4940)
Four quarters:	(1.4661)		(0.0279)	(1.4940)

		Q216			Q316			Q416			Q117		
		Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar
Total Steam mmBtu Sales - 2016-2017		229,452	228,887	216,287	203,604	192,981	205,601	224,840	218,519	231,347	239,472	214,673	226,401
Fuel Costs - 2016		540,107	560,439	549,475	588,627	548,928	592,556	687,350	614,607	746,066	771,548	650,968	627,488
Coal Costs - 2016	\$	335,321	174,979	339,766	357,573	295,802	351,262	364,534	347,944	370,394	400,460	329,890	379,214
Gas Costs - 2016	\$	204,785	385,459	209,709	230,609	253,126	241,294	323,261	266,664	350,521	367,535	317,311	248,274
Oil Costs - 2016	\$	-	-	-	445	-	-	(445)	-	25,151	3,553	3,767	-
Hedge Costs - 2016	\$	-	-	-	-	-	-	-	-	-	-	-	-
Coal mmBtu Input Blr Nos. 5	mmBtu	159,488	78,238	155,026	155,823	133,816	157,038	156,825	152,457	173,919	182,478	151,298	177,986
Gas mmBtu Input Blr Nos. 1-5 & 8	mmBtu	115,102	196,066	96,714	76,867	89,557	89,469	114,499	108,982	104,427	109,979	110,965	97,815
No. 2 Oil mmBtu Input Blr Nos. 1-4	mmBtu	-	-	-	-	-	-	-	(1)	2,636	664	257	-
Blr 1-5 Fuel to Steam Input	mmBtu	274,590	274,304	251,740	232,690	223,373	246,507	271,324	261,438	280,982	293,121	262,520	275,801
Production Test - Q1 (current quarter)	mmBtu			392,752	67,248		446,677	13,323		483,201	0		511,762
Production Test - Q4 (four quarters)	mmBtu			1,550,303	61,697		1,894,709	25,291		1,893,338	26,662		1,948,042
Production Coal Costs - Q1				2,1644			2,2491			2,2410			2,1681
Production Coal Costs - Q4				2,8201			2,2879			2,2449			2,2063
Production Gas Costs - Q1				1,9612			2,8333			2,8680			2,9274
Production Gas Costs - Q4				2,2072			2,1260			2,3290			2,5934
Appendix D													
Adjusted Production Standards - Q1	mmBtu			460,000			460,000			460,000			460,000
Adjusted Production Standards - Q4	mmBtu			1,612,000			1,920,000			1,920,000			1,920,000
Production Standards - Q1	mmBtu			460,000			460,000			460,000			460,000
Production Standards - Q4	mmBtu			1,920,000			1,920,000			1,920,000			1,920,000
12 Months Actual Sales Test % (min 2,594,975 sales)				100.00000%			100.00000%			100.00000%			100.00000%
Days Boiler #5 had Major Maintenance		0	0	0	0	0	0	0	0	0	0	0	0
Boiler #5 Major Maintenance Adjustment Q1				100.00000%			100.00000%			100.00000%			100.00000%
Boiler #5 Major Maintenance Adjustment Q4				100.00000%			100.00000%			100.00000%			100.00000%
Quarterly Fuel Costs - Actual	\$			1,650,020			1,730,111			2,048,023			2,050,004
Production Standards - Coal *				0			29,965			59,853			0
Production Standards - Gas *				0			(37,748)			(62,097)			0
Quarterly Fuel Costs - Adjusted	\$			<u>1,650,020</u>			<u>1,722,328</u>			<u>2,045,778</u>			<u>2,050,004</u>
Quarterly Blr 1-5 & 8 Fuel to Steam Input	mmBtu			800,634			702,570			813,744			831,442
Base fuel amount (per million BTU)	mmBtu	3.9500	3.9500	3.9500	3.9500	3.9500	3.9500	3.9500	3.9500	3.9500	3.9500	3.9500	3.9500
Quarterly Fuel Costs - Collected	\$			3,162,504			2,775,152			3,214,289			3,284,196
(Over) or Under Collected Fuel Costs	\$			(1,512,484)			(1,052,823)			(1,168,511)			(1,234,191)
85% of change in actual fuel costs	\$			(1,285,611)			(894,900)			(993,234)			(1,049,063)
Rolling 12-months Steam Btu Sales	mmBtu		-	2,688,803		-	2,665,771		-	2,668,630		-	2,632,064
Quarterly Cost Adjustment				(0.4781)			(0.3357)			(0.3722)			(0.3986)
Cumulative - QCA				(1.7257)			(1.7377)			(1.6703)			(1.5846)

* Referring to the tariff page 6.8, Item D; when gas costs are less than coal costs and the coal standard is not met, costs are not imputed to an increased coal cost level.

		Q217			Q317	Q417	Q118
		Apr	May	Jun			
Total Steam mmBtu Sales - 2017-2018		219,250	214,477	200,680			
Fuel Costs - 2016	\$	653,742	601,255	606,901			
Coal Costs - 2016	\$	369,065	352,554	147,427			
Gas Costs - 2016	\$	284,677	248,701	459,474			
Oil Costs - 2016	\$	-	-	-			
Hedge Costs - 2016	\$	-	-	-			
Coal mmBtu Input Blr Nos. 5	mmBtu	172,169	162,085	68,250			
Gas mmBtu Input Blr Nos. 1-5 & 8	mmBtu	86,263	87,164	161,376			
No. 2 Oil mmBtu Input Blr Nos. 1-4	mmBtu	-	-	-			
Blr 1-5 Fuel to Steam Input	mmBtu	258,432	249,249	229,626			
Production Test - Q1 (current quarter)	mmBtu			402,504	56,941		
Production Test - Q4 (four quarters)	mmBtu			1,896,097	21,587		
Production Coal Costs - Q1				2,1591			
Production Coal Costs - Q4				2,7433			
Production Gas Costs - Q1				2,9655			
Production Gas Costs - Q4				2,9025			
Appendix D							
Adjusted Production Standards - Q1	mmBtu			459,445			
Adjusted Production Standards - Q4	mmBtu			1,917,684			
Production Standards - Q1	mmBtu			460,000			
Production Standards - Q4	mmBtu			1,920,000			
12 Months Actual Sales Test % (min 2,594,975 sales)				99.8794%			
Days Boiler #5 had Major Maintenance - scheduled outage only		0	0	0			
Boiler #5 Major Maintenance Adjustment Q1				100.0000%			
Boiler #5 Major Maintenance Adjustment Q4				100.0000%			
Quarterly Fuel Costs - Actual	\$			1,861,898			
Production Standards - Coal		122,942	59,219	122,942			
Production Standards - Gas		(168,858)	(62,657)	(168,858)			
Quarterly Fuel Costs - Adjusted	\$	(45,916)	(3,437)	1,815,982			
Quarterly Blr 1-5 & 8 Fuel to Steam Input	mmBtu			737,307			
Base fuel amount (per million BTU)	mmBtu	3.9500	3.9500	3.9500			
Quarterly Fuel Costs - Collected	\$			2,912,363			
(Over) or Under Collected Fuel Costs	\$			(1,096,381)			
85% of change in actual fuel costs	\$			(931,924)			
Rolling 12-months Steam Btu Sales	mmBtu		-	2,591,845			
Quarterly Cost Adjustment				(0.3596)			
Cumulative - QCA				(1.4661)			

Total Steam mmBtu Sales - 12-month rolling total

	<u>2013</u>	<u>12-13 rolling</u>	<u>2014</u>	<u>13-14 rolling</u>	<u>2015</u>	<u>14-15 rolling</u>	<u>2016</u>	<u>15-16 rolling</u>	<u>2017</u>	<u>16-17 rolling</u>	<u>2018</u>	<u>17-18 rolling</u>
January	249,946		257,035		259,226		243,642		239,472		-	
February	229,041		226,942		236,680		230,350		214,673		-	
March	251,298	2,638,143	245,459	2,685,082	246,648	2,629,153	243,120	2,679,975	226,401	2,632,064	-	634,407
April	232,068		227,032		222,436		229,452		219,250		-	
May	218,373		222,955		223,426		228,887		214,477		-	
June	177,248	2,623,017	199,002	2,706,382	219,936	2,645,962	216,287	2,688,803	200,680	2,591,845	-	0
July	209,768		188,744		214,266		203,604		-		-	
August	202,923		194,684		221,709		192,981		-		-	
September	198,595	2,631,513	164,531	2,643,055	189,243	2,723,221	205,601	2,665,771	-	1,989,659	-	0
October	231,940		223,034		220,854		224,840		-		-	
November	233,105		225,822		217,440		218,519		-		-	
December	251,626	2,685,931	240,795	2,616,035	233,553	2,705,417	231,347	2,668,630	-	1,314,953	-	0

KCP&L GMO - L&P STEAM QCA RECON
 GL A/C 254002

Fuel Costs - Recovered with Quarterly Cost Adjustment Table Factor:

Prepared by: April Pacheco
 6/30/2017

	(0.3986) Q117	(0.3722) Q416	(0.3357) Q316	(0.4781) Q216	(0.4843) Q116	(0.4396) Q415	(0.3237) Q315	(0.3904) Q215	(0.4322) Q115	(0.2873) Q414			
Qtrly filing	Journal	rate											
Dec-14	373STMQCA	(0.2873)								(751,638)			
Mar-15	373STMQCA	(0.4322)											
Jun-15	373STMQCA	(0.3904)											
Sep-15	373STMQCA	(0.3237)											
Dec-15	373STMQCA	(0.4396)	effective Mar-16										
Mar-16	373STMQCA	(0.4843)	effective Jun-16		(1,297,973)	(1,189,232)	(881,631)	(1,033,113)					
Jun-16	373STMQCA	(0.4781)	effective Sep-16	(1,285,611)									
Sep-16	373STMQCA	(0.3357)	effective Dec-16	(894,900)									
Dec-16	373STMQCA	(0.3722)	effective Mar-17										
Mar-17	373STMQCA	(0.3986)	effective Jun-17	(1,049,063)									
Billed QCA													
Usage Month	Billed Month	Billed per CIS+	MMBTU										
Mar-15	Apr-15	\$ 166,265.42	246,648							70,861.96			
Apr-15	May-15	\$ 149,944.10	222,436							63,905.86			
May-15	Jun-15	\$ 150,611.48	223,426							64,190.30			
Transfer Q412 Bal to Q114 r factor													
Jun-15	Jul-15	\$ 234,275.83	219,936						95,056.35	63,187.61			
Jul-15	Aug-15	\$ 228,236.14	214,266						92,605.76	61,558.62			
Aug-15	Sep-15	\$ 236,164.43	221,709						95,822.63	63,697.00			
Transfer Q113 Bal to Q214 r factor													
Sep-15	Oct-15	\$ 249,138.41	189,243					73,880.47	81,790.82	54,369.51			
Oct-15	Nov-15	\$ 290,754.28	220,854					86,221.40	95,453.10	63,451.35			
Nov-15	Dec-15	\$ 286,259.76	217,440					84,888.58	93,977.57	62,470.51			
Transfer Q213 Bal to Q314 r factor													
Dec-15	Jan-16	\$ 336,386.39	233,553			75,601.11	91,179.09	100,941.61		67,099.78			
Jan-16	Feb-16	\$ 354,423.26	246,076			79,654.79	96,068.07	106,354.05		70,697.63			
Feb-16	Mar-16	\$ 331,773.11	230,350			74,564.30	89,928.64	99,557.27		66,179.56			
Transfer Q313 Bal to Q414 r factor													
Mar-16	Apr-16	\$ 386,025.94	243,120			106,875.55	78,697.94	94,914.05	105,076.47				
Apr-16	May-16	\$ 364,323.89	229,452			100,867.10	74,273.61	89,578.06	99,169.17				
May-16	Jun-16	\$ 363,426.78	228,887			100,618.73	74,090.72	89,357.48	98,924.96				
Adjust Jan 2016 billed		\$ (3,505.70)	(2,434)							(3,505.70)			
Transfer Q413 Bal to Q115 r factor													
Jun-16	Jul-16	\$ 351,855.68	216,287		104,747.79	95,079.77	70,012.10	84,438.43		327.10			
Jul-16	Aug-16	\$ 331,301.08	203,652		98,628.66	89,525.42	65,922.15	79,505.76					
Aug-16	Sep-16	\$ 313,941.49	192,981		93,460.70	84,834.45	62,467.95	75,339.78					
Transfer Q114 Bal to Q215 r factor													
Sep-16	Oct-16	\$ 350,364.67	205,601		98,297.84	99,572.56	90,382.20	66,553.06	(114.04)				
Oct-16	Nov-16	\$ 383,149.83	224,840		107,496.00	108,890.01	98,839.66	72,780.70					
Nov-16	Dec-16	\$ 372,378.22	218,519		104,473.93	105,828.75	96,060.95	70,734.60					
Adjust July 2016 billed		\$ (78.09)	(48)					(78.09)					
Transfer Q214 Bal to Q315 r factor													
Dec-16	Jan-17	\$ 396,736.97	231,347	77,663.19	110,607.00	112,041.35	101,700.14						
Jan-17	Feb-17	\$ 410,670.54	239,472	80,390.75	114,491.56	115,976.29	105,271.91						
Feb-17	Mar-17	\$ 368,142.73	214,673	72,065.73	102,635.16	103,966.13	94,370.26						
Transfer Q314 Bal to Q415 r factor													
Mar-17	Apr-17	\$ 375,531.36	226,401	84,266.45	76,002.82	108,242.32	109,646.02						
Apr-17	May-17	\$ 363,669.97	219,250	81,604.85	73,602.23	104,823.43	106,182.76						
May-17	Jun-17	\$ 355,753.00	214,477	79,828.34	71,999.93	102,541.45	103,871.21						
Transfer Q414 Bal to Q116 r factor													
Jun-17	Jul-17	\$ 319,041.07	200,680	79,991.05	74,693.10	67,368.28	95,945.10	570.16					
Balance per QCA period - Reconciliation Amount													
				(969,071.95)	(672,841.26)	(375,807.07)	(236,057.21)	(34,590.61)	(24,519.83)	(16,333.21)	2,072.77	25,191.16	20,126.42

Fuel Costs - Recovered with Reconciliation Table factor:

	Q116	Q415	Q315	Q215	Q115	Q414
Balance per QCA period - Reconciliation Amount:	\$ (34,590.61)	\$ (24,519.83)	\$ (16,333.21)	\$ 2,072.77	\$ 25,191.16	\$ 20,126.42
Rolling 12-months Steam Btu Sales:	2,591,845	2,632,064	2,668,630	2,665,771	2,688,803	2,679,975
R-Factor:	(0.0133)	(0.0093)	(0.0061)	0.0008	0.0094	0.0075
Usage Month	Billed Month					
Jun-16	Jul-16					(1,622.15)
Jul-16	Aug-16					(1,527.39)
Aug-16	Sep-16					(1,447.36)
Transfer Q114 Bal to Q215 r factor						
Sep-16	Oct-16					(1,932.65)
Oct-16	Nov-16					(2,113.50)
Nov-16	Dec-16					(2,054.08)
Transfer Q214 Bal to Q315 r factor						
Dec-16	Jan-17				(185.08)	(2,174.66)
Jan-17	Feb-17				(191.58)	(2,251.04)
Feb-17	Mar-17				(171.74)	(2,017.93)
Transfer Q314 Bal to Q415 r factor						
Mar-17	Apr-17			1,381.05	(181.12)	(2,128.17)
Apr-17	May-17			1,337.43	(175.40)	(2,060.95)
May-17	Jun-17			1,308.31	(171.58)	(2,016.08)
Transfer Q414 Bal to Q116 r factor						
Jun-17	Jul-17			1,866.32	1,224.15	(160.54)
Balance per QCA period - After R-Factor Recovery						
				(969,071.95)	(672,841.26)	(375,807.07)
				(236,057.21)	(34,590.61)	(22,653.51)
					(11,082.27)	835.73
						4,555.71
						-