

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>	
Q206	0.0074			0.0074	
Q306	(0.0924)			(0.0850)	
Q406	0.2552			0.1702	
Q107	0.1952			0.3655	0.3655 Filed rate (rounding error)
Q207	0.1000			0.4581	
Q307	0.2005	Q206	0.0003	0.7513	R factor balance rolled into R factor Q307
Q407	0.4030	Q306	0.0037	0.9027	
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)	
Four quarters:	(1.6703)		0.0116	(1.6587)	

		Q216			Q316			Q416			
		Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
Total Steam mmBtu Sales - 2016-2017		229,452	228,887	216,287	203,604	192,981	205,601	224,840	218,519	231,347	
Fuel Costs - 2016		\$ 540,107	\$ 560,439	\$ 549,475	\$ 588,627	\$ 548,928	\$ 592,556	\$ 687,350	\$ 614,607	\$ 746,066	
Coal Costs - 2016		\$ 335,321	\$ 174,979	\$ 339,766	\$ 357,573	\$ 295,802	\$ 351,262	\$ 364,534	\$ 347,944	\$ 370,394	
Gas Costs - 2016		\$ 204,785	\$ 385,459	\$ 209,709	\$ 230,609	\$ 253,126	\$ 241,294	\$ 323,261	\$ 266,664	\$ 350,521	
Oil Costs - 2016		\$ -	\$ -	\$ -	\$ 445	\$ -	\$ -	\$ (445)	\$ -	\$ 25,151	
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	
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	
No. 2 Oil mmBtu Input Blr Nos. 1-4		mmBtu -	-	-	-	-	-	-	(1)	2,636	
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	
Production Test - Q1 (current quarter)		mmBtu		392,752	67,248		446,677	13,323		483,201	0
Production Test - Q4 (four quarters)		mmBtu		1,550,303	61,697		1,894,709	25,291		1,893,338	26,662
Production Coal Costs - Q1				2.1644			2.2491			2.2410	
Production Coal Costs - Q4				2.8201			2.2879			2.2449	
Production Gas Costs - Q1				1.9612			2.8333			2.8680	
Production Gas Costs - Q4				2.2072			2.1260			2.3290	
Appendix D											
Adjusted Production Standards - Q1		mmBtu		460,000			460,000			460,000	
Adjusted Production Standards - Q4		mmBtu		1,612,000			1,920,000			1,920,000	
Production Standards - Q1		mmBtu		460,000			460,000			460,000	
Production Standards - Q4		mmBtu		1,920,000			1,920,000			1,920,000	
12 Months Actual Sales Test % (min 2,594,975 sales)				100.0000%			100.0000%			100.0000%	
Days Boiler #5 had Major Maintenance			0	0	0	0	0	0	0	0	
Boiler #5 Major Maintenance Adjustment Q1				100.0000%			100.0000%			100.0000%	
Boiler #5 Major Maintenance Adjustment Q4				100.0000%			100.0000%			100.0000%	
Quarterly Fuel Costs - Actual		\$		1,650,020			1,730,111			2,048,023	
Production Standards - Coal *				0			29,965			59,853	
Production Standards - Gas *				0			(37,748)			(62,097)	
Quarterly Fuel Costs - Adjusted		\$		<u>1,650,020</u>			<u>1,722,328</u>			<u>2,045,778</u>	
Quarterly Blr 1-5 & 8 Fuel to Steam Input		mmBtu		800,634			702,570			813,744	
Base fuel amount (per million BTU)		mmBtu	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	
(Over) or Under Collected Fuel Costs		\$		(1,512,484)			(1,052,823)			(1,168,511)	
85% of change in actual fuel costs		\$		(1,285,611)			(894,900)			(993,234)	
Rolling 12-months Steam Btu Sales		mmBtu	-	2,688,803		-	2,665,771		-	2,668,630	
Quarterly Cost Adjustment				(0.4781)			(0.3357)			(0.3722)	
Cumulative - QCA				(1.7257)			(1.7377)			(1.6703)	

* 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.

Total Steam mmBtu Sales - 12-month rolling total

	<u>2011</u>	<u>10-11 rolling</u>	<u>2012</u>	<u>11-12 rolling</u>	<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>
January	254,018		232,106		249,946		257,035		259,226		243,642	
February	228,525		229,307		229,041		226,942		236,680		230,350	
March	248,195	2,571,254	237,007	2,475,887	251,298	2,638,143	245,459	2,685,082	246,648	2,629,153	243,120	2,679,975
April	213,858		218,880		232,068		227,032		222,436		229,452	
May	198,344		216,197		218,373		222,955		223,426		228,887	
June	190,830	2,563,162	207,738	2,515,670	177,248	2,623,017	199,002	2,706,382	219,936	2,645,962	216,287	2,688,803
July	153,873		201,369		209,768		188,744		214,266		203,604	
August	186,147		199,763		202,923		194,684		221,709		192,981	
September	178,733	2,520,219	201,658	2,599,707	198,595	2,631,513	164,531	2,643,055	189,243	2,723,221	205,601	2,665,771
October	213,700		216,350		231,940		223,034		220,854		224,840	
November	216,038		219,838		233,105		225,822		217,440		218,519	
December	225,944	2,508,205	226,065	2,606,278	251,626	2,685,931	240,795	2,616,035	233,553	2,705,417	231,347	2,668,630

KCP&L GMO - L&P STEAM QCA RECON

GL A/C 254002

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12/31/2016

Fuel Costs - Recovered with Quarterly Cost Adjustment Table Factor:

Qtrly filing	Journal	rate	(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	(0.2048) Q314	(0.1268) Q214
Jun-14	373STMQCA	(0.1268)											(343,113)
Sep-14	373STMQCA	(0.2048)										(541,316)	
Dec-14	373STMQCA	(0.2873)									(751,638)		
Mar-15	373STMQCA	(0.4322)								(1,136,360)			
Jun-15	373STMQCA	(0.3904)							(1,033,113)				
Sep-15	373STMQCA	(0.3237)						(881,631)					
Dec-15	373STMQCA	(0.4396) effective Mar-16					(1,189,232)						
Mar-16	373STMQCA	(0.4843) effective Jun-16				(1,297,973)							
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	(993,234)										

Usage Month	Billed Month	Billed per CIS+	MMBTU	Billed QCA									
Sep-14	Oct-14	\$ 41,363.09	164,531										
Oct-14	Nov-14	\$ 56,070.74	223,034										
Nov-14	Dec-15	\$ 56,771.65	225,822										
Transfer Q212 Bal to Q313 r factor													
Dec-14	Jan-15	\$ 154,734.86	240,795										
Jan-15	Feb-15	\$ 166,578.62	259,226										
Feb-15	Mar-15	\$ 152,090.56	236,680										
Transfer Q312 Bal to Q413 r factor													
Mar-15	Apr-15	\$ 166,265.42	246,648										
Apr-15	May-15	\$ 149,944.10	222,436										
May-15	Jun-15	\$ 150,611.48	223,426										
Transfer Q412 Bal to Q114 r factor													
Jun-15	Jul-15	\$ 234,275.83	219,936										
Jul-15	Aug-15	\$ 228,236.14	214,266										
Aug-15	Sep-15	\$ 236,164.43	221,709										
Transfer Q113 Bal to Q214 r factor													
Sep-15	Oct-15	\$ 249,138.41	189,243										
Oct-15	Nov-15	\$ 290,754.28	220,854										
Nov-15	Dec-15	\$ 286,259.76	217,440										
Transfer Q213 Bal to Q314 r factor													
Dec-15	Jan-16	\$ 336,386.39	233,553										
Jan-16	Feb-16	\$ 354,423.26	246,076										
Feb-16	Mar-16	\$ 331,773.11	230,350										
Transfer Q313 Bal to Q414 r factor													
Mar-16	Apr-16	\$ 386,025.94	243,120										
Apr-16	May-16	\$ 364,323.89	229,452										
May-16	Jun-16	\$ 363,426.78	228,887										
Adjust Jan 2016 billed		\$ (3,505.70)	(2,434)										
Transfer Q413 Bal to Q115 r factor													
Jun-16	Jul-16	\$ 351,855.68	216,287										
Jul-16	Aug-16	\$ 331,301.08	203,652										
Aug-16	Sep-16	\$ 313,941.49	192,981										
Transfer Q114 Bal to Q215 r factor													
Sep-16	Oct-16	\$ 350,364.67	205,601										
Oct-16	Nov-16	\$ 383,149.83	224,840										
Nov-16	Dec-16	\$ 372,378.22	218,519										
Adjust July 2016 billed		\$ (78.09)	(48)										
Transfer Q214 Bal to Q315 r factor													
Dec-16	Jan-17	\$ 396,736.97	231,347										
Balance per QCA period - Reconciliation Amount													
			(993,234.00)	(817,236.81)	(864,736.23)	(574,803.18)	(224,448.03)	(16,378.91)	2,072.77	25,191.16	20,126.42	13,795.07	(1,046.47)

Fuel Costs - Recovered with Reconciliation Table factor:

	Q415	Q315	Q215	Q115	Q414	Q314	Q214						
Balance per QCA period - Reconciliation Amount:	\$ (16,378.91)	\$ 2,072.77	\$ 25,191.16	\$ 20,126.42	\$ 13,795.07	\$ (1,046.47)							
Rolling 12-months Steam Btu Sales:	2,668,630	2,665,771	2,688,803	2,679,975	2,705,417	2,723,221							
R-Factor:	(0.0061)	0.0008	0.0094	0.0075	0.0051	(0.0004)							
Usage Month	Billed Month												
Dec-15	Jan-16						93.42						
Jan-16	Feb-16						98.43						
Feb-16	Mar-16						92.14						
Transfer Q313 Bal to Q414 r factor													
Mar-16	Apr-16					(1,239.91)	97.25						
Apr-16	May-16					(1,170.21)	91.78						
May-16	Jun-16					(1,167.32)	91.55						
Transfer Q413 Bal to Q115 r factor													
Jun-16	Jul-16				(1,622.15)	(1,103.06)	86.51						
Jul-16	Aug-16				(1,527.39)	(1,038.63)	81.46						
Aug-16	Sep-16				(1,447.36)	(984.20)	77.19						
Transfer Q114 Bal to Q215 r factor													
Sep-16	Oct-16			(1,932.65)	(1,542.01)	(1,048.57)	82.24						
Oct-16	Nov-16			(2,113.50)	(1,686.30)	(1,146.68)	89.94						
Nov-16	Dec-16			(2,054.08)	(1,638.89)	(1,114.45)	87.41						
Transfer Q214 Bal to Q315 r factor													
Dec-16	Jan-17			(185.08)	(2,174.66)	(1,735.10)	(1,179.87)						
Balance per QCA period - After R-Factor Recovery													
			(993,234.00)	(817,236.81)	(864,736.23)	(574,803.18)	(224,448.03)	(16,378.91)	1,887.69	16,916.27	8,927.22	2,602.17	0.00