

**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
Q207	0.1000			0.4581
Q307	0.2005	Q206	0.0003	0.7513
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)
Q117	(0.3986)	Q415	(0.0093)	(1.5898)
Four quarters:	(1.5846)		(0.0052)	(1.5898)

	Q215			Q315			Q415			Q116		
	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar
Total Steam mmBtu Sales - 2015-2016	222,436	223,426	219,936	214,266	221,709	189,243	220,854	217,440	233,553	243,642	230,350	243,120
												Jan includes Dec 2015 revised steam sales mmbtu
Fuel Costs - 2015	\$ 615,175	700,252	705,408	700,954	686,260	584,825	630,412	624,611	626,300	676,051	585,029	558,709
Coal Costs - 2015	\$ 317,845	170,383	-	-	71,147	311,785	411,884	425,686	384,037	407,226	321,455	388,756
Gas Costs - 2015	\$ 297,330	529,870	705,408	700,954	615,113	273,040	218,528	198,924	230,967	266,512	252,546	169,953
Oil Costs - 2015	\$ -	-	-	-	-	-	-	-	11,296	2,313	11,029	-
Hedge Costs - 2015	\$ -	-	-	-	-	-	-	-	-	-	-	-
Coal mmBtu Input Blr Nos. 5	mmBtu 139,335	76,219	-	-	30,431	133,537	174,047	173,215	162,601	178,149	136,653	168,918
Gas mmBtu Input Blr Nos. 1-5 & 8	mmBtu 133,472	201,576	268,705	258,216	235,816	103,836	99,251	100,872	119,763	114,663	137,438	110,605
No. 2 Oil mmBtu Input Blr Nos. 1-4	mmBtu -	-	-	-	-	-	-	-	737	148	721	-
Blr 1-5 Fuel to Steam Input	mmBtu 272,807	277,795	268,705	258,216	266,247	237,373	273,298	274,087	283,101	292,960	274,812	279,523
Production Test - Q1	mmBtu		215,554	0		163,968	0		509,863	0		483,720
Production Test - Q4	mmBtu		1,524,776	0		1,337,176	0		1,353,786	0		1,373,105
Production Coal Costs - Q1			2,2650			2,3354			2,3960			2,3101
Production Coal Costs - Q4			3,2771			2,2665			2,3023			2,3379
Production Gas Costs - Q1			2,5385			2,6580			2,0270			1,8996
Production Gas Costs - Q4			3,0621			2,8147			2,5100			2,3666
Appendix D												
Adjusted Production Standards - Q1	mmBtu		184,000			160,000			460,000			460,000
Adjusted Production Standards - Q4	mmBtu		1,344,000			1,144,000			1,228,000			1,324,000
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 %			100.0000%			100.0000%			100.0000%			100.0000%
Days Boiler #5 had Major Maintenance		0	0	0	0	0	0	0	0	0	0	0
Boiler #5 Major Maintenance Adjustment Q1			100.0000%			100.0000%			100.0000%			100.0000%
Boiler #5 Major Maintenance Adjustment Q4			100.0000%			100.0000%			100.0000%			100.0000%
Quarterly Fuel Costs - Actual	\$		2,020,836			1,972,039			1,881,323			1,819,789
Production Standards - Coal			0			0			0			0
Production Standards - Gas			0			0			0			0
Quarterly Fuel Costs - Adjusted	\$		2,020,836			1,972,039			1,881,323			1,819,789
Quarterly Blr 1-5 & 8 Fuel to Steam Input	mmBtu		819,307			761,836			830,486			847,295
			2.47			2.59			2.27			2.15
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
Quarterly Fuel Costs - Collected	\$		3,236,263			3,009,252			3,280,420			3,346,815
(Over) or Under Collected Fuel Costs	\$		(1,215,427)			(1,037,213)			(1,399,097)			(1,527,027)
85% of change in actual fuel costs	\$		(1,033,113)			(881,631)			(1,189,232)			(1,297,973)
Rolling 12-months Steam Btu Sales	mmBtu		2,645,962			2,723,221			2,705,417			2,679,975
Quarterly Cost Adjustment			(0.3904)			(0.3237)			(0.4396)			(0.4843)
Cumulative - QCA			(1.3147)			(1.4336)			(1.5859)			(1.6380)

		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)				100.0000%			100.0000%			100.0000%			100.0000%
Days Boiler #5 had Major Maintenance		0	0	0	0	0	0	0	0	0	0	0	0
Boiler #5 Major Maintenance Adjustment Q1				100.0000%			100.0000%			100.0000%			100.0000%
Boiler #5 Major Maintenance Adjustment Q4				100.0000%			100.0000%			100.0000%			100.0000%
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
				2.06			2.45			2.51			2.47
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)			(1,234,192)
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.

Total Steam mmBtu Sales - 12-month rolling total

	<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>	<u>2017</u>	<u>16-17 rolling</u>
January	232,106		249,946		257,035		259,226		243,642		239,472	
February	229,307		229,041		226,942		236,680		230,350		214,673	
March	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	226,401	2,632,064
April	218,880		232,068		227,032		222,436		229,452		-	
May	216,197		218,373		222,955		223,426		228,887		-	
June	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	-	1,957,438
July	201,369		209,768		188,744		214,266		203,604		-	
August	199,763		202,923		194,684		221,709		192,981		-	
September	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	-	1,355,252
October	216,350		231,940		223,034		220,854		224,840		-	
November	219,838		233,105		225,822		217,440		218,519		-	
December	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	-	680,546

Fuel Costs - Recovered with Quarterly Cost Adjustment Table Factor:

Prepared by: Jane Scaro
3/31/2017

			(0.3722)	(0.3357)	(0.4781)	(0.4843)	(0.4396)	(0.3237)	(0.3904)	(0.4322)	(0.2873)	(0.2048)
			Q416	Q316	Q216	Q116	Q415	Q315	Q215	Q115	Q414	Q314
Qtrly filing	Journal	rate										
Jun-14	373STMQCA	(0.1268)										
Sep-14	373STMQCA	(0.2048)										
Dec-14	373STMQCA	(0.2873)										(541,316)
Mar-15	373STMQCA	(0.4322)								(1,136,360)	(751,638)	
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)									
Mar-17	373STMQCA	(0.3986) effective Jun-17										

		Billed QCA										
Usage Month	Billed Month	Billed per CIS+	MMBTU									
Dec-14	Jan-15	\$ 154,734.86	240,795									49,314.82
Jan-15	Feb-15	\$ 166,578.62	259,226									53,089.48
Feb-15	Mar-15	\$ 152,090.56	236,680									48,472.06
Transfer Q312 Bal to Q413 r factor												
Mar-15	Apr-15	\$ 166,265.42	246,648								70,861.96	50,513.51
Apr-15	May-15	\$ 149,944.10	222,436								63,905.86	45,554.89
May-15	Jun-15	\$ 150,611.48	223,426								64,190.30	45,757.64
Transfer Q412 Bal to Q114 r factor												
Jun-15	Jul-15	\$ 234,275.83	219,936							95,056.35	63,187.61	45,042.89
Jul-15	Aug-15	\$ 228,236.14	214,266							92,605.76	61,558.62	43,881.68
Aug-15	Sep-15	\$ 236,164.43	221,709							95,822.63	63,697.00	45,406.00
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	38,756.97
Oct-15	Nov-15	\$ 290,754.28	220,854						86,221.40	95,453.10	63,451.35	45,230.90
Nov-15	Dec-15	\$ 286,259.76	217,440						84,888.58	93,977.57	62,470.51	44,531.71
Transfer Q213 Bal to Q314 r factor												(441.48)
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												94.73
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												327.10
Jun-16	Jul-16	\$ 351,855.68	216,287			104,747.79	95,079.77	70,012.10	84,438.43			
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											(114.04)	
Sep-16	Oct-16	\$ 350,364.67	205,601		98,297.84	99,572.56	90,382.20	66,553.06				
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												22.85
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												286.03
Mar-17	Apr-17	\$ 376,256.20	226,838		84,429.10	76,149.52	108,451.25	109,857.66				
Apr-17	May-17		-		-	-	-	-				
May-17	Jun-17		-		-	-	-	-				
Adjust March 2017 billed			(437)		(162.65)	(146.70)	(208.93)	(211.62)				
Transfer Q414 Bal to Q116 r factor												

Balance per QCA period - Reconciliation Amount	(908,967.55)	(588,777.51)	(539,367.19)	(245,214.72)	(24,519.83)	(16,333.21)	2,072.77	25,191.16	20,126.42	13,795.07
---	--------------	--------------	--------------	--------------	-------------	-------------	----------	-----------	-----------	-----------

Fuel Costs - Recovered with Reconciliation Table factor:

	Q415	Q315	Q215	Q115	Q414	Q314
Balance per QCA period - Reconciliation Amount: \$	(24,519.83)	(16,333.21)	2,072.77	25,191.16	20,126.42	13,795.07
Rolling 12-months Steam Btu Sales:	2,632,064	2,668,630	2,665,771	2,688,803	2,679,975	2,705,417
R-Factor:	(0.0093)	(0.0061)	0.0008	0.0094	0.0075	0.0051

Usage Month	Billed Month					
Dec-15	Jan-16					
Jan-16	Feb-16					
Feb-16	Mar-16					
Transfer Q313 Bal to Q414 r factor						
Mar-16	Apr-16					(1,239.91)
Apr-16	May-16					(1,170.21)
May-16	Jun-16					(1,167.32)
Transfer Q413 Bal to Q115 r factor						
Jun-16	Jul-16				(1,622.15)	(1,103.06)
Jul-16	Aug-16				(1,527.39)	(1,038.63)
Aug-16	Sep-16				(1,447.36)	(984.20)
Transfer Q114 Bal to Q215 r factor						
Sep-16	Oct-16				(1,932.65)	(1,542.01)
Oct-16	Nov-16				(2,113.50)	(1,686.30)
Nov-16	Dec-16				(2,054.08)	(1,638.89)
Transfer Q214 Bal to Q315 r factor						
Dec-16	Jan-17			(185.08)	(2,174.66)	(1,735.10)
Jan-17	Feb-17			(191.58)	(2,251.04)	(1,796.04)
Feb-17	Mar-17			(171.74)	(2,017.93)	(1,610.05)
Transfer Q314 Bal to Q415 r factor						
Mar-17	Apr-17			1,383.71	(181.47)	(1,701.29)

Balance per QCA period - After R-Factor Recovery	(908,967.55)	(588,777.51)	(539,367.19)	(245,214.72)	(24,519.83)	(14,949.50)	1,342.90	10,515.02	3,819.84	0.00
---	--------------	--------------	--------------	--------------	-------------	-------------	----------	-----------	----------	------