

SUPPLEMENTAL INVESTOR INFORMATION Second Quarter 2013

Kevin Bryant VP Investor Relations and Strategic Planning & Treasurer 816-556-2782 kevin.bryant@kcpl.com Tony Carreño Director Investor Relations 816-654-1763 anthony.carreno@kcpl.com

NOTE:

The financial data and statistics in this document reflect the financial position and operating results of Great Plains Energy, its electric utility segment and Kansas City Power & Light Company (KCP&L) and KCP&L Greater Missouri Operations Company (GMO), its utility subsidiaries, through June 30, 2013. Please refer to our Quarterly Report on Form 10-Q for unaudited financial statements. This document has been prepared primarily for security analysts and investors in the hope that it will serve as a convenient and useful reference document. The format of this document may change in the future as we continue to try to meet the needs of security analysts and investors. This document is not intended for use in connection with any sale, offer to sell, or solicitation of any offer to buy securities.

Consolidated Statements of Income

(Unaudited)

	Three Months June 30			Year t Jun	30	
	2013	2012		2013	2012	
Operating Revenues	(mil	lions, except per s	hare an	nounts)		
Electric revenues	\$ 600.3 \$	603.6	\$	1,142.5	\$ 1,083.3	
Operating Expenses						
Fuel	121.2	138.1		253.4	257.4	
Purchased power	34.9	26.9		73.7	51.6	
Transmission of electricity by others	12.9	8.8		24.3	16.1	
Utility operating and maintenance expenses	166.4	164.1		321.6	327.2	
Depreciation and amortization	72.6	67.9		142.8	135.3	
General taxes	48.1	45.0		95.9	89.5	
Other	0.6	2.8		1.1	7.2	
Total	 456.7	453.6		912.8	884.3	
Operating income	143.6	150.0		229.7	199.0	
Non-operating income	4.4	1.6		6.9	2.5	
Non-operating expenses	(2.2)	(5.8)		(3.5)	(7.6)	
Interest charges	(49.4)	(55.8)		(99.1)	(122.7)	
Income before income tax expense and loss from equity investments	96.4	90.0		134.0	71.2	
Income tax expense	(32.7)	(31.8)		(44.2)	(22.3)	
Loss from equity investments, net of income taxes	(0.1)	(0.1)		(0.2)	(0.1)	
Net income	63.6	58.1		89.6	48.8	
Less: Net loss attributable to noncontrolling interest	-	-		-	0.2	
Net income attributable to Great Plains Energy	 63.6	58.1		89.6	49.0	
Preferred stock dividend requirements	0.4	0.4		0.8	0.8	
Earnings available for common shareholders	\$ 63.2 \$	57.7	\$	88.8	\$ 48.2	
Average number of basic common shares outstanding	153.5	139.6		153.4	137.7	
Average number of diluted common shares outstanding	153.8	142.0		153.7	140.6	
Basic earnings per common share	\$ 0.41 \$	0.41	\$	0.58	\$ 0.35	
Diluted earnings per common share	\$ 0.41 \$	0.41	\$	0.58	\$ 0.34	
Cash dividends per common share	\$ 0.2175 \$	0.2125	\$	0.435	\$ 0.425	

Consolidated Balance Sheets

(Unaudited)

	June 30 2013	December 31 2012
ASSETS	(millions, exc	cept share amounts)
Current Assets		
Cash and cash equivalents	\$ 7.9	\$ 9.3
Funds on deposit	1.9	1.0
Receivables, net	180.8	154.5
Accounts receivable pledged as collateral	175.0	174.0
Fuel inventories, at average cost	102.3	95.1
Materials and supplies, at average cost	153.4	151.3
Deferred refueling outage costs	38.3	11.9
Refundable income taxes	9.2	9.5
Deferred income taxes	22.5	88.5
Derivative instruments	1.5	1.0
Prepaid expenses and other assets	31.6	27.6
Total	724.4	723.7
Utility Plant, at Original Cost		
Electric	11,387.8	11,160.5
Less - accumulated depreciation	4,528.3	4,424.2
Net utility plant in service	6,859.5	6,736.3
Construction work in progress	645.9	584.5
Nuclear fuel, net of amortization of \$147.3 and \$157.4	75.8	81.3
Total	7,581.2	7,402.1
Investments and Other Assets		_
Nuclear decommissioning trust fund	164.7	154.7
Regulatory assets	1,046.2	1,120.9
Goodwill	169.0	169.0
Derivative instruments	5.0	5.5
Other	73.5	71.4
Total	1,458.4	1,521.5
Total	\$ 9,764.0	\$ 9,647.3

Consolidated Balance Sheets

(Unaudited)

(Unaudreu)	June 30 2013	December 31 2012
LIABILITIES AND CAPITALIZATION	(millions, exce	pt share amounts)
Current Liabilities		
Notes payable	\$ 6.0	\$ 12.0
Collateralized note payable	175.0	174.0
Commercial paper	385.0	530.1
Current maturities of long-term debt	257.1	263.1
Accounts payable	182.0	330.2
Accrued taxes	70.0	27.1
Accrued interest	41.3	41.5
Accrued compensation and benefits	36.5	44.8
Pension and post-retirement liability	2.8	2.8
Other	22.0	23.9
Total	1,177.7	1,449.5
Deferred Credits and Other Liabilities		
Deferred income taxes	815.6	832.4
Deferred tax credits	127.9	128.8
Asset retirement obligations	154.0	149.3
Pension and post-retirement liability	549.9	557.5
Regulatory liabilities	246.0	283.8
Other	114.8	110.2
Total	2,008.2	2,062.0
Capitalization		
Great Plains Energy common shareholders' equity		
Common stock - 250,000,000 shares authorized without par value		
153,894,724 and 153,779,806 shares issued, stated value	2,627.3	2,624.7
Retained earnings	780.6	758.8
Treasury stock - 121,246 and 250,236 shares, at cost	(2.6)	(5.1)
Accumulated other comprehensive loss	(32.1)	(38.4)
Total	3,373.2	3,340.0
Cumulative preferred stock \$100 par value		
3.80% - 100,000 shares issued	10.0	10.0
4.50% - 100,000 shares issued	10.0	10.0
4.20% - 70,000 shares issued	7.0	7.0
4.35% - 120,000 shares issued	12.0	12.0
Total	39.0	39.0
Long-term debt	3,165.9	2,756.8
Total	6,578.1	6,135.8
Commitments and Contingencies	, , ,	
Total	\$ 9,764.0	\$ 9,647.3

Consolidated Statements of Cash Flows

(Unaudited)

Year to Date June 30	2	013		2012
Cash Flows from Operating Activities		(mill	lions)	
Net income	\$	89.6	\$	48.8
Adjustments to reconcile income to net cash from operating activities:				
Depreciation and amortization		142.8		135.3
Amortization of:				
Nuclear fuel		8.7		9.1
Other		28.9		9.2
Deferred income taxes, net		45.5		26.8
Investment tax credit amortization		(0.9)		(1.2)
Loss from equity investments, net of income taxes		0.2		0.1
Other operating activities	((139.4)		(62.8)
Net cash from operating activities		175.4		165.3
Cash Flows from Investing Activities				
Utility capital expenditures	((339.8)		(263.4)
Allowance for borrowed funds used during construction		(4.6)		(2.7)
Purchases of nuclear decommissioning trust investments		(54.8)		(11.7)
Proceeds from nuclear decommissioning trust investments		53.1		10.0
Other investing activities		(13.1)		(7.5)
Net cash from investing activities		(359.2)		(275.3)
Cash Flows from Financing Activities				
Issuance of common stock		2.6		290.3
Issuance of long-term debt		412.5		-
Issuance fees		(4.3)		(2.6)
Repayment of long-term debt		(9.3)		(13.4)
Net change in short-term borrowings	((151.1)		(167.0)
Net change in collateralized short-term borrowings		1.0		67.0
Dividends paid		(67.6)		(58.7)
Other financing activities		(1.4)		(4.9)
Net cash from financing activities		182.4		110.7
Net Change in Cash and Cash Equivalents		(1.4)		0.7
Cash and Cash Equivalents at Beginning of Year		9.3		6.2
Cash and Cash Equivalents at End of Period	\$	7.9	\$	6.9

Great Plains Energy Incorporated Electric Utility Segment (Unaudited)

Electric Utility Results

	7	Three Mor Jun	ths I e 30	Ended	Year t Jun		te		
		2013		2012	2013		2012		
		(mill	ions)		(mill	nillions)			
Operating revenues	\$	600.3	\$	603.6	\$ 1,142.5	\$	1,083.3		
Fuel		(121.2)		(138.1)	(253.4)		(257.4)		
Purchased power		(34.9)		(26.9)	(73.7)		(51.6)		
Transmission of electricity by others		(12.9)		(8.8)	(24.3)		(16.1)		
Gross margin (a)		431.3		429.8	791.1		758.2		
Other operating expenses		(214.4)		(208.8)	(417.2)		(416.2)		
Depreciation and amortization		(72.6)		(67.9)	(142.8)		(135.3)		
Operating income		144.3		153.1	231.1		206.7		
Non-operating income and expenses		2.5		(3.0)	3.7		(3.2)		
Interest charges		(47.4)		(50.4)	(95.2)		(101.1)		
Income tax expense		(33.9)		(35.9)	(46.5)		(34.1)		
Net income	\$	65.5	\$	63.8	\$ 93.1	\$	68.3		

Electric Utility Gross Margin

	Revenues	and (Costs	%	MWhs	Sold	%
Three Months Ended June 30	2013		2012	Change	2013	2012	Change
Retail revenues	(mil	lions)			(thousa	nds)	
Residential	\$ 228.0	\$	236.7	(4)	1,868	2,060	(9)
Commercial	253.0		242.5	4	2,665	2,790	(4)
Industrial	58.7		55.4	6	812	853	(5)
Other retail revenues	5.5		4.9	5	29	29	(1)
Kansas property tax surcharge	(0.1)		1.4	N/M	N/A	N/A	N/A
Fuel recovery mechanism	5.9		3.8	57	N/A	N/A	N/A
Total retail	 551.0		544.7	1	5,374	5,732	(6)
Wholesale revenues	38.6		48.6	(21)	1,385	2,146	(35)
Other revenues	10.7		10.3	5	N/A	N/A	N/A
Operating revenues	600.3		603.6	(1)	6,759	7,878	(14)
Fuel	(121.2)		(138.1)	(12)			
Purchased power	(34.9)		(26.9)	29			
Transmission of electricity by others	(12.9)		(8.8)	45			
Gross margin (a)	\$ 431.3	\$	429.8	-			

•	Rever	ues and	Costs	%	MWhs	Sold	%
Year to Date June 30	2013		2012	Change	2013	2012	Change
Retail revenues		(millions)			(thousa	nds)	
Residential	\$ 454	6 \$	426.8	7	4,222	4,116	3
Commercial	461	7	431.3	7	5,190	5,253	(1)
Industrial	103	0	98.2	5	1,518	1,610	(6)
Other retail revenues	10	5	9.9	5	60	60	-
Kansas property tax surcharge			2.9	N/M	N/A	N/A	N/A
Fuel recovery mechanism	14	1	10.2	38	N/A	N/A	N/A
Total retail	1,043	9	979.3	7	10,990	11,039	-
Wholesale revenues	73	0	82.2	(11)	2,631	3,279	(20)
Other revenues	25	6	21.8	18	N/A	N/A	N/A
Operating revenues	1,142	5	1,083.3	5	13,621	14,318	(5)
Fuel	(253.	4)	(257.4)	(2)			
Purchased power	(73.	7)	(51.6)	43			
Transmission of electricity by others	(24.	3)	(16.1)	50			
Gross margin (a)	\$ 791	1 \$	758.2	4			

⁽a) Gross margin is a financial measure that is not calculated in accordance with generally accepted accounting principles (GAAP). Gross margin, as used by Great Plains Energy, is defined as operating revenues less fuel, purchased power and transmission of electricity by others. The Company's expense for fuel, purchased power and transmission of electricity by others, offset by wholesale sales margin, is subject to recovery through cost adjustment mechanisms, except for KCP&L's Missouri retail operations. As a result, operating revenues increase or decrease in relation to a significant portion of these expenses. Management believes that gross margin provides a more meaningful basis for evaluating the Electric Utility segment's operations across periods than operating revenues because gross margin excludes the revenue effect of fluctuations in these expenses. Gross margin is used internally to measure performance against budget and in reports to management and the Board of Directors. The Company's definition of gross margin may differ from similar terms used by other companies.

Electric Utility Generation

					Year to Date June 30				
	2013	2012	Change	2013	2012	Change			
Net MWhs Generated by Fuel Type	(thousa	inds)	(thousa						
Coal	5,021	5,771	(13)	10,591	11,309	(6)			
Nuclear	838	1,229	(32)	1,292	1,430	(10)			
Natural gas and oil	88	179	(50)	91	179	(49)			
Wind	154	147	5	230	273	(16)			
Total Generation	6,101	7,326	(17)	12,204	13,191	(7)			

 Electric Utility Customers at June 30, 2013

 Residential
 730,900

 Commercial
 97,100

 Industrial
 2,200

 Other
 400

 Total retail customers
 830,600

Electric Utility Statistics

	Three Months Ended June 30						Year to Date June 30					
		2013			2012		- 1	2013		20	012	
Average non-firm wholesale price per MWh	\$	26.89		\$	21.86		\$	26.70		\$ 2	3.97	
Average purchased power price per MWh	\$	31.06		\$	26.30		\$	31.29		\$ 2	4.25	
Purchased power MWhs	1,0	23,871		9	902,266		2,15	8,809		1,869	,976	
Cooling degree days		381			605			381			654	
Heating degree days		634			253			3,634		2	,190	
Equivalent availability - coal plants		72	%		81	%		76	%		84	96
Capacity factor - coal plants		56	%		71	%		62	%		69	%
Equivalent availability - nuclear		72	%		100	%		55	%		59	%
Capacity factor - nuclear		70	%		100	%		54	%		60	%
Equivalent availability - coal and nuclear		72	%		83	%		73	%		81	%
Capacity factor - coal and nuclear		58	%		75	%		61	%		68	%

KCP&L Results

	,	Three Moi Jun		Ended		te		
		2013		2012		2013		2012
		(mill	ions)			(mill	ions)	
Operating revenues	\$	410.8	\$	409.1	\$	777.5	\$	736.1
Fuel		(86.0)		(98.7)		(180.5)		(183.3)
Purchased power		(18.6)		(6.6)		(37.7)		(13.6)
Transmission of electricity by others		(8.8)		(6.1)		(16.8)		(11.1)
Gross margin (a)		297.4		297.7		542.5		528.1
Other operating expenses		(154.4)		(151.8)		(299.6)		(304.9)
Depreciation and amortization		(49.6)		(46.0)		(97.2)		(91.7)
Operating income		93.4		99.9		145.7		131.5
Non-operating income and expenses		2.6		(1.9)		3.9		(2.1)
Interest charges		(31.5)		(31.3)		(63.5)		(63.7)
Income tax expense		(20.3)		(23.0)		(25.7)		(19.7)
Net income	\$	44.2	\$	43.7	\$	60.4	\$	46.0

KCP&L Gross Margin

	•	Revenues	and (Costs	%	MWhs	Sold	%
Three Months Ended June 30	2013			2012	Change	2013	2012	Change
Retail revenues		(mil	ions)			(thousa		
Residential	\$	142.3	\$	147.7	(4)	1,151	1,288	(11
Commercial		181.5		172.6	5	1,864	1,949	(4)
Industrial		34.8		32.5	7	466	483	(4)
Other retail revenues		3.3		3.1	5	21	21	(1)
Kansas property tax surcharge		(0.1)		1.4	N/M	N/A	N/A	N/A
Fuel recovery mechanism		3.6		1.3	N/M	N/A	N/A	N/A
Total retail		365.4		358.6	2	3,502	3,741	(6)
Wholesale revenues		41.4		46.4	(11)	1,462	2,056	(29)
Other revenues		4.0		4.1	(4)	N/A	N/A	N/A
Operating revenues		410.8		409.1	-	4,964	5,797	(14)
Fuel		(86.0)		(98.7)	(13)			
Purchased power		(18.6)		(6.6)	N/M			
Transmission of electricity by others		(8.8)		(6.1)	46			
Gross margin (a)	\$	297.4	\$	297.7	-			

<u> </u>	Revenues	and	Costs	%	MWhs	Sold	%
Year to Date June 30	2013		2012	Change	2013	2012	Change
Retail revenues	(mil	lions)			(thousa		
Residential	\$ 278.4	\$	260.3	7	2,513	2,488	1
Commercial	335.3		310.7	8	3,636	3,691	(1)
Industrial	61.6		59.4	4	862	933	(8)
Other retail revenues	6.5		6.3	4	44	44	(1)
Kansas property tax surcharge	-		2.9	N/M	N/A	N/A	N/A
Fuel recovery mechanism	7.5		9.0	(17)	N/A	N/A	N/A
Total retail	 689.3		648.6	6	7,055	7,156	(1)
Wholesale revenues	79.7		78.7	1	2,863	3,145	(9)
Other revenues	8.5		8.8	(4)	N/A	N/A	N/A
Operating revenues	777.5		736.1	6	9,918	10,301	(4)
Fuel	(180.5)		(183.3)	(2)			
Purchased power	(37.7)		(13.6)	N/M			
Transmission of electricity by others	(16.8)		(11.1)	51			
Gross margin (a)	\$ 542.5	\$	528.1	3			

⁽a) Gross margin is a financial measure that is not calculated in accordance with generally accepted accounting principles (GAAP). Gross margin, as used by Great Plains Energy, is defined as operating revenues less fuel, purchased power and transmission of electricity by others. KCP&L's expense for fuel, purchased power and transmission of electricity by others, offset by wholesale sales margin, is subject to recovery through cost adjustment mechanisms, except for KCP&L's Missouri retail operations. As a result, operating revenues increase or decrease in relation to a significant portion of these expenses. Management believes that gross margin provides a more meaningful basis for evaluating KCP&L's operations across periods than operating revenues because gross margin excludes the revenue effect of fluctuations in these expenses. Gross margin is used internally to measure performance against budget and in reports to management and the Board of Directors. The Company's definition of gross margin may differ from similar terms used by other companies.

KCP&L Generation

	Three Mont June		%	Year to June	%	
	2013	2012	Change	2013	2012	Change
Net MWhs Generated by Fuel Type	(thousa	nds)				
Coal	3,645	4,375	(17)	7,847	8,498	(8)
Nuclear	838	1,229	(32)	1,292	1,430	(10)
Natural gas and oil	74	103	(29)	74	103	(28)
Wind	154	147	5	230	273	(16)
Total Generation	4,711	5,854	(20)	9,443	10,304	(8)

KCP&L Customers at June 30, 2013	
Residential	455,100
Commercial	58,500
Industrial	2,000
Other	100
Total retail customers	515,700

KCP&L Statistics

	Three Months Ended June 30							o D e 30	Date 30		
		2013			2012		2013			2012	
Average non-firm wholesale price per MWh	\$	27.48		\$	21.80		\$ 26.96		\$	23.96	
Average purchased power price per MWh	\$	37.62		\$	33.04		\$ 38.32		\$	24.70	
Purchased power - MWh		465,150			163,483		925,596			454,667	
Cooling degree days		381			605		381			654	
Heating degree days		634			253		3,634			2,190	
Equivalent availability - coal plants		69	%		82	%	75	%		85	%
Capacity factor - coal plants		55	%		73	%	63	%		71	%
Equivalent availability - nuclear		72	%		100	%	55	%		59	%
Capacity factor - nuclear		70	%		100	%	54	%		60	%

KCP&L Greater Missouri Operations Company (GMO) **Utility Operations**

(Unaudited)

GMO Utility Results

	1	Three Months Ended June 30					Year to Date June 30				
		2013		2012		2013		2012			
		(mill	ions)								
Operating revenues	\$	194.1	\$	194.5	\$	375.0	\$	347.2			
Fuel		(35.2)		(39.4)		(72.9)		(74.1)			
Purchased power		(20.9)		(20.3)		(46.0)		(38.0)			
Transmission of electricity by others		(4.1)		(2.7)		(7.5)		(5.0)			
Gross margin (a)	· ·	133.9		132.1		248.6		230.1			
Other operating expenses		(60.0)		(57.0)		(117.6)		(111.3)			
Depreciation and amortization		(23.0)		(21.9)		(45.6)		(43.6)			
Operating income		50.9		53.2		85.4		75.2			
Non-operating income and expenses		(0.1)		(1.1)		(0.2)		(1.1)			
Interest charges		(15.9)		(19.1)		(31.7)		(37.4)			
Income tax expense		(13.6)		(12.9)		(20.8)		(14.4)			
Net income	\$	21.3	\$	20.1	\$	32.7	\$	22.3			

GMO Utility Gross Margin

		Revenues	and C	Costs	%	MWhs	%	
Three Months Ended June 30		2012		Change	2013	2012	Change	
Retail revenues	(millions)					(thousa		
Residential	\$	85.7	\$	89.0	(4)	717	772	(7)
Commercial		71.5		69.9	2	801	841	(5)
Industrial		23.9		22.9	5	346	370	(6)
Other retail revenues		2.2		1.8	6	8	8	-
Fuel recovery mechanism		2.3		2.5	(9)	N/A	N/A	N/A
Total retail		185.6		186.1	- '	1,872	1,991	(6)
Wholesale revenues		1.8		2.2	(20)	63	90	(30)
Other revenues		6.7		6.2	11	N/A	N/A	N/A
Operating revenues		194.1		194.5	= '	1,935	2,081	(7)
Fuel		(35.2)		(39.4)	(10)			
Purchased power		(20.9)		(20.3)	3			
Transmission of electricity by others		(4.1)		(2.7)	43			
Gross margin (a)	\$	133.9	\$	132.1	1			

		Revenues	and C	Costs	%	MWhs	%	
Year to Date June 30	2013			2012	Change	2013	2012	Change
Retail revenues		(millio				(thousan		
Residential	\$	176.2	\$	166.5	6	1,709	1,628	5
Commercial		126.4		120.6	5	1,554	1,562	(1)
Industrial		41.4		38.8	7	656	677	(3)
Other retail revenues		4.0		3.6	7	16	16	1
Fuel recovery mechanism		6.6		1.2	N/M	N/A	N/A	N/A
Total retail		354.6		330.7	7	3,935	3,883	1
Wholesale revenues		3.3		3.5	(6)	110	134	(18)
Other revenues		17.1		13.0	33	N/A	N/A	N/A
Operating revenues		375.0		347.2	8	4,045	4,017	1
Fuel		(72.9)		(74.1)	(2)			
Purchased power		(46.0)		(38.0)	21			
Transmission of electricity by others		(7.5)		(5.0)	49			
Gross margin (a)	\$	248.6	\$	230.1	8			

⁽a) Gross margin is a financial measure that is not calculated in accordance with generally accepted accounting principles (GAAP). Grr margin, as used by Great Plains Energy, is defined as operating revenues less fuel, purchased power and transmission of electricity by othe GMO's expense for fuel, purchased power and transmission of electricity by others, offset by wholesale sales margin, is subject to GMO's expense for fuel, purchased power and transmission of electricity by others, oriset by wholesale sales margin, is subject to recovery through cost adjustment mechanisms. As a result, operating revenues increase or decrease in relation to a significant portion of these expenses. Management believes that gross margin provides a more meaningful basis for evaluating GMO's operations across periods than operating revenues because gross margin excludes the revenue effect of fluctuations in these expenses. Gross margin is used internally to measure performance against budget and in reports to management and the Board of Directors. The Company's definition of gross margin may differ from similar terms used by other companies.

GMO Generation

	Three Mont	hs Ended		Year to	Date	
	June 30		%	June	30	%
	2013	2012	Change	2013	2012	Change
Net MWhs Generated by Fuel Type	(thousa	nds)				
Coal	1,376	1,396	(2)	2,744	2,811	(2)
Natural gas and oil	14	76	(81)	17	76	(78)
Total Generation	1,390	1,472	(5)	2,761	2,887	(4)

GMO Utility Customers at June 30, 2013

275,800
38,600
200
300
314,900

GMO Utility Statistics

	Three Months Ended June 30						Year to Date June 30					
Average non-firm wholesale price per MWh		2013			2012		20	13		2	2012	
	\$	26.73		\$	23.54		\$	27.71		\$	24.21	
Average purchased power price per MWh	\$	27.06		\$	24.81		\$	26.70		\$	24.10	
Purchased power - MWh		698,560			738,783		1,575,638		,638 1,		15,309	
Cooling degree days		381			605			381			654	
Heating degree days		634			253			3,634			2,190	
Equivalent availability - coal plants		80	%		77	%		79	%		81	9
Capacity factor - coal plants		58	%		63	%		60	%		64	ç