



SUPPLEMENTAL INVESTOR INFORMATION

Second Quarter 2009

Michael Cline
VP Investor Relations & Treasurer
816-556-2622
michael.cline@kcpl.com

Ellen Fairchild
Director Investor Relations
816-556-2083
ellen.fairchild@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 its utility subsidiaries through June 30, 2009. Independent auditors have not audited any of the financial and operating 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.

GREAT PLAINS ENERGY
Consolidated Statements of Income
(Unaudited)

	Three Months Ended		Year to Date	
	June 30		June 30	
	2009	2008	2009	2008
Operating Revenues	(millions, except per share amounts)			
Electric revenues	\$ 480.5	\$ 335.0	\$ 899.7	\$ 632.6
Operating Expenses				
Fuel	96.8	58.3	184.4	113.0
Purchased power	37.6	38.2	94.8	69.0
Utility operating expenses	108.3	78.3	217.3	152.3
Maintenance	36.0	28.4	73.9	58.6
Depreciation and amortization	73.4	50.8	142.4	101.0
General taxes	33.7	29.1	68.4	58.8
Other	4.4	0.3	7.3	9.2
Total	390.2	283.4	788.5	561.9
Operating income	90.3	51.6	111.2	70.7
Non-operating income	11.9	5.8	24.7	14.9
Non-operating expenses	(1.3)	(1.4)	(2.2)	(2.5)
Interest charges	(46.9)	(10.4)	(84.2)	(52.0)
Income from continuing operations before income tax (expense) benefit and loss from equity investments	54.0	45.6	49.5	31.1
Income tax (expense) benefit	(17.0)	(32.0)	9.3	(22.5)
Loss from equity investments, net of income taxes	(0.1)	(0.4)	(0.2)	(0.8)
Income from continuing operations	36.9	13.2	58.6	7.8
Income (loss) from discontinued operations, net of income taxes	(3.1)	(18.2)	(3.1)	34.7
Net income (loss)	33.8	(5.0)	55.5	42.5
Less: Net income attributable to noncontrolling interest	(0.1)	-	(0.1)	-
Net income (loss) attributable to Great Plains Energy	33.7	(5.0)	55.4	42.5
Preferred stock dividend requirements	0.4	0.4	0.8	0.8
Earnings available for common shareholders	\$ 33.3	\$ (5.4)	\$ 54.6	\$ 41.7
Average number of basic common shares outstanding	128.5	86.0	123.9	85.9
Basic and diluted earnings (loss) per common share				
Continuing operations	\$ 0.28	\$ 0.15	\$ 0.47	\$ 0.09
Discontinued operations	(0.02)	(0.21)	(0.03)	0.40
Basic and diluted earnings (loss) per common share	\$ 0.26	\$ (0.06)	\$ 0.44	\$ 0.49
Cash dividends per common share	\$ 0.2075	\$ 0.415	\$ 0.42	\$ 0.83

The Notes to the Consolidated Financial Statements in the Company's Quarterly Report on Form 10-Q for the period ended June 30, 2009, should be read in conjunction with this financial information.

GREAT PLAINS ENERGY
Consolidated Balance Sheets
(Unaudited)

	June 30	December 31
	2009	2008
ASSETS		
(millions, except share amounts)		
Current Assets		
Cash and cash equivalents	\$ 14.0	\$ 61.1
Funds on deposit	5.0	10.8
Receivables, net	239.6	242.3
Fuel inventories, at average cost	87.8	87.0
Materials and supplies, at average cost	110.0	99.3
Deferred refueling outage costs	6.9	12.4
Refundable income taxes	35.5	26.0
Deferred income taxes	24.6	28.6
Assets held for sale	16.8	16.3
Derivative instruments	1.5	4.8
Prepaid expenses	16.3	15.2
Total	558.0	603.8
Nonutility Property and Investments		
Affordable housing limited partnerships	13.5	13.9
Nuclear decommissioning trust fund	100.2	96.9
Other	38.0	41.1
Total	151.7	151.9
Utility Plant, at Original Cost		
Electric	8,669.2	7,940.8
Less-accumulated depreciation	3,656.1	3,582.5
Net utility plant in service	5,013.1	4,358.3
Construction work in progress	1,329.4	1,659.1
Nuclear fuel, net of amortization of \$119.4 and \$110.8	75.2	63.9
Total	6,417.7	6,081.3
Deferred Charges and Other Assets		
Regulatory assets	798.5	824.8
Goodwill	157.8	156.0
Derivative instruments	7.2	13.0
Other	41.6	38.5
Total	1,005.1	1,032.3
Total	\$ 8,132.5	\$ 7,869.3

The Notes to the Consolidated Financial Statements in the Company's Quarterly Report on Form 10-Q for the period ended June 30, 2009, should be read in conjunction with this financial information.

GREAT PLAINS ENERGY
Consolidated Balance Sheets
(Unaudited)

	June 30	December 31
	2009	2008
LIABILITIES AND CAPITALIZATION		
(millions, except share amounts)		
Current Liabilities		
Notes payable	\$ 110.0	\$ 204.0
Commercial paper	79.8	380.2
Current maturities of long-term debt	70.2	70.7
Accounts payable	264.3	418.0
Accrued taxes	58.7	27.7
Accrued interest	74.9	72.4
Accrued compensation and benefits	37.6	29.7
Pension and post-retirement liability	4.7	4.7
Derivative instruments	0.5	86.2
Other	39.4	43.8
Total	<u>740.1</u>	<u>1,337.4</u>
Deferred Credits and Other Liabilities		
Deferred income taxes	344.1	387.1
Deferred tax credits	120.6	105.5
Asset retirement obligations	129.2	124.3
Pension and post-retirement liability	457.6	445.6
Regulatory liabilities	211.8	209.4
Other	121.1	112.8
Total	<u>1,384.4</u>	<u>1,384.7</u>
Capitalization		
Great Plains Energy common shareholders' equity		
Common stock-250,000,000 shares authorized without par value		
135,398,057 and 119,375,923 shares issued, stated value	2,307.6	2,118.4
Retained earnings	491.3	489.3
Treasury stock-236,409 and 120,677 shares, at cost	(6.2)	(3.6)
Accumulated other comprehensive loss	(50.9)	(53.5)
Total	<u>2,741.8</u>	<u>2,550.6</u>
Noncontrolling interest	1.1	1.0
Total common shareholders' equity	<u>2,742.9</u>	<u>2,551.6</u>
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	<u>39.0</u>	<u>39.0</u>
Long-term debt	<u>3,226.1</u>	<u>2,556.6</u>
Total	<u>6,008.0</u>	<u>5,147.2</u>
Commitments and Contingencies		
Total	<u>\$ 8,132.5</u>	<u>\$ 7,869.3</u>

The Notes to the Consolidated Financial Statements in the Company's Quarterly Report on Form 10-Q for the period ended June 30, 2009, should be read in conjunction with this financial information.

GREAT PLAINS ENERGY
Consolidated Statements of Cash Flows
(Unaudited)

Year to Date June 30	2009	2008
Cash Flows from Operating Activities		(millions)
Net income	\$ 55.5	\$ 42.5
Adjustments to reconcile income to net cash from operating activities:		
Depreciation and amortization	142.4	104.3
Amortization of:		
Nuclear fuel	8.6	5.5
Other	(6.5)	5.0
Deferred income taxes, net	(3.0)	14.6
Investment tax credit amortization	(1.1)	(0.7)
Loss from equity investments, net of income taxes	0.2	0.8
Fair value impacts from energy contracts - Strategic Energy	-	(189.1)
Fair value impacts from interest rate hedging	-	9.2
Loss on sale of Strategic Energy	-	116.6
Other operating activities	(154.8)	(21.5)
Net cash from operating activities	<u>41.3</u>	<u>87.2</u>
Cash Flows from Investing Activities		
Utility capital expenditures	(496.6)	(378.8)
Allowance for borrowed funds used during construction	(19.3)	(10.1)
Payment to Black Hills for asset sale working capital adjustment	(7.7)	-
Proceeds from sale of Strategic Energy, net of cash sold	-	216.4
Purchases of nuclear decommissioning trust investments	(26.6)	(23.8)
Proceeds from nuclear decommissioning trust investments	24.7	22.0
Other investing activities	(0.1)	(9.1)
Net cash from investing activities	<u>(525.6)</u>	<u>(183.4)</u>
Cash Flows from Financing Activities		
Issuance of common stock	215.8	5.3
Issuance of long-term debt	695.1	350.3
Issuance fees	(22.4)	(4.3)
Repayment of long-term debt	(1.7)	-
Net change in short-term borrowings	(394.4)	(214.9)
Dividends paid	(53.6)	(72.5)
Other financing activities	(1.6)	(1.1)
Net cash from financing activities	<u>437.2</u>	<u>62.8</u>
Net Change in Cash and Cash Equivalents	<u>(47.1)</u>	<u>(33.4)</u>
Cash and Cash Equivalents at Beginning of Year (includes \$43.1 million of cash included in assets of discontinued operations in 2008)	61.1	67.1
Cash and Cash Equivalents at End of Period	<u>\$ 14.0</u>	<u>\$ 33.7</u>

The Notes to the Consolidated Financial Statements in the Company's Quarterly Report on Form 10-Q for the period ended June 30, 2009, should be read in conjunction with this financial information.

Great Plains Energy Incorporated
(Unaudited)

Electric Utility Operating Income

	Three Months Ended		Year to Date	
	June 30		June 30	
	2009	2008	2009	2008
	(millions)			
Operating revenues	\$ 480.5	\$ 335.0	\$ 899.7	\$ 632.6
Fuel	(96.8)	(58.3)	(184.4)	(113.0)
Purchased power	(37.6)	(38.2)	(94.8)	(69.0)
Other operating expenses	(178.2)	(135.2)	(359.4)	(267.7)
Depreciation and amortization	(73.4)	(50.8)	(142.4)	(101.0)
Operating income	\$ 94.5	\$ 52.5	\$ 118.7	\$ 81.9

Electric Utility Revenues

	Three Months Ended			Year to Date		
	June 30		%	June 30		%
	2009	2008	Change*	2009	2008	Change*
	(millions)			(millions)		
Retail revenues						
Residential	\$ 182.1	\$ 105.0	NM	\$ 350.9	\$ 205.4	NM
Commercial	193.1	131.4	NM	350.4	243.5	NM
Industrial	44.1	29.4	NM	79.6	53.7	NM
Other retail revenues	4.5	2.7	NM	8.4	5.1	NM
Fuel recovery mechanism under recovery	2.7	7.8	NM	14.5	17.3	NM
Total retail	426.5	276.3	NM	803.8	525.0	NM
Wholesale revenues	45.0	54.7	NM	73.7	97.8	NM
Other revenues	9.0	4.0	NM	22.2	9.8	NM
Electric utility revenues	\$ 480.5	\$ 335.0	NM	\$ 899.7	\$ 632.6	NM

Electric Utility MWh Sales

	Three Months Ended			Year to Date		
	June 30		%	June 30		%
	2009	2008	Change*	2009	2008	Change*
	(thousands)			(thousands)		
Retail MWh sales						
Residential	1,929	1,155	NM	4,220	2,561	NM
Commercial	2,705	1,891	NM	5,255	3,745	NM
Industrial	795	546	NM	1,524	1,027	NM
Other retail MWh sales	31	20	NM	60	35	NM
Total retail	5,460	3,612	NM	11,059	7,368	NM
Wholesale MWh sales	1,441	1,140	NM	2,254	2,083	NM
Electric utility MWh sales	6,901	4,752	NM	13,313	9,451	NM

* NM - not meaningful due to GMO numbers not reflected for the three months ended or year to date June 30, 2008. GMO was acquired on July 14, 2008.

Electric Utility Customers at June 30, 2009

Residential	723,900
Commercial	95,800
Industrial	2,300
Other	400
Total retail customers	822,400

Kansas City Power & Light Company
(Unaudited)

KCP&L Operating Income

	Three Months Ended June 30		Year to Date June 30	
	2009	2008	2009	2008
	(millions)			
Operating revenues	\$ 324.8	\$ 335.0	\$ 602.3	\$ 632.6
Fuel	(60.1)	(58.3)	(112.8)	(113.0)
Purchased power	(14.4)	(38.2)	(38.8)	(69.0)
Other operating expenses	(126.9)	(135.2)	(260.8)	(267.7)
Depreciation and amortization	(55.2)	(50.8)	(106.8)	(101.0)
Operating income	<u>\$ 68.2</u>	<u>\$ 52.5</u>	<u>\$ 83.1</u>	<u>\$ 81.9</u>

KCP&L Revenues

	Three Months Ended June 30		%	Year to Date June 30		%
	2009	2008		2009	2008	
	(millions)		Change	(millions)		Change
Retail revenues	\$ 114.2	\$ 105.0	9	\$ 212.7	\$ 205.4	4
Residential	137.7	131.4	5	252.9	243.5	4
Commercial	26.7	29.4	(9)	50.2	53.7	(7)
Industrial	2.6	2.7	(6)	5.2	5.1	1
Other retail revenues	(3.3)	7.8	(143)	1.5	17.3	(92)
Kansas ECA under recovery	<u>277.9</u>	<u>276.3</u>	1	<u>522.5</u>	<u>525.0</u>	-
Total retail	43.2	54.7	(21)	70.5	97.8	(28)
Wholesale revenues	3.7	4.0	(4)	9.3	9.8	(4)
Other revenues	<u>\$ 324.8</u>	<u>\$ 335.0</u>	(3)	<u>\$ 602.3</u>	<u>\$ 632.6</u>	(5)
KCP&L revenues						

KCP&L MWh Sales

	Three Months Ended June 30		%	Year to Date June 30		%
	2009	2008		2009	2008	
	(thousands)		Change	(thousands)		Change
Retail MWh sales	1,205	1,155	4	2,515	2,561	(2)
Residential	1,907	1,891	1	3,716	3,745	(1)
Commercial	460	546	(16)	910	1,027	(11)
Industrial	21	20	(2)	44	35	21
Other retail MWh sales	<u>3,593</u>	<u>3,612</u>	(1)	<u>7,185</u>	<u>7,368</u>	(2)
Total retail	1,397	1,140	23	2,174	2,083	4
Wholesale MWh sales	4,990	4,752	5	9,359	9,451	(1)
KCP&L electric MWh sales						

KCP&L Customers at June 30, 2009

Residential	450,400
Commercial	57,700
Industrial	2,100
Other	100
Total retail customers	<u>510,300</u>

KCP&L Statistics

	Three Months Ended June 30		Year to Date June 30	
	2009	2008	2009	2008
Average non-firm wholesale price per MWh	\$ 30.39	\$ 51.43	\$ 30.53	\$ 48.90
Cooling degree days	415	355	415	355
Heating degree days	463	509	3,011	3,458
Equivalent availability - coal plants	78 %	80 %	70 %	76 %
Capacity factor - coal plants	71 %	76 %	64 %	72 %
Equivalent availability - nuclear	97 %	50 %	98 %	65 %
Capacity factor - nuclear	97 %	50 %	99 %	65 %

KCP&L Greater Missouri Operations Company
Utility Operations
(Unaudited)

GMO Utility Operating Income

	Three Months Ended	Year to Date
	June 30	June 30
	2009	2009
	(millions)	
Operating revenues	\$ 155.7	\$ 297.4
Fuel	(36.7)	(71.6)
Purchased power	(23.2)	(56.0)
Other operating expenses	(51.3)	(98.6)
Depreciation and amortization	(18.2)	(35.6)
Operating income	<u>\$ 26.3</u>	<u>\$ 35.6</u>

GMO Utility Revenues

	Three Months Ended	Year to Date
	June 30	June 30
	2009	2009
	(millions)	
Retail revenues		
Residential	\$ 67.9	\$ 138.2
Commercial	55.4	97.5
Industrial	17.4	29.4
Other retail revenues	1.9	3.2
Fuel recovery mechanism under (over) recovery	6.0	13.0
Total retail	<u>148.6</u>	<u>281.3</u>
Wholesale revenues	1.8	3.2
Other revenues	5.3	12.9
Total revenues	<u>\$ 155.7</u>	<u>\$ 297.4</u>

GMO Utility MWh Sales

	Three Months Ended	Year to Date
	June 30	June 30
	2009	2009
	(thousands)	
Retail MWh sales		
Residential	724	1,705
Commercial	798	1,539
Industrial	335	614
Other retail MWh sales	10	16
Total retail	<u>1,867</u>	<u>3,874</u>
Wholesale MWh sales	44	80
Electric MWh sales	<u>1,911</u>	<u>3,954</u>

GMO Utility Customers at June 30, 2009

Residential	273,500
Commercial	38,100
Industrial	200
Other	300
Total retail customers	<u>312,100</u>

GMO Utility Statistics

	Three Months Ended	Year to Date
	June 30	June 30
	2009	2009
Cooling degree days	415	415
Heating degree days	463	3,011
Equivalent availability - coal plants	82 %	77 %
Capacity factor - coal plants	69 %	66 %