



SUPPLEMENTAL INVESTOR INFORMATION

First Quarter 2009

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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 March 31, 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 March 31	2009	2008
Operating Revenues	(millions, except per share amounts)	
Electric revenues	\$ 419.2	\$ 297.6
Operating Expenses		
Fuel	87.6	54.7
Purchased power	57.2	30.8
Utility operating expenses	109.0	74.0
Maintenance	37.9	30.2
Depreciation and amortization	69.0	50.2
General taxes	34.7	29.7
Other	2.9	8.9
Total	398.3	278.5
Operating income	20.9	19.1
Non-operating income	12.8	9.1
Non-operating expenses	(0.9)	(1.1)
Interest charges	(37.3)	(41.6)
Loss from continuing operations before income tax benefit and loss from equity investments	(4.5)	(14.5)
Income tax benefit	26.3	9.5
Loss from equity investments, net of income taxes	(0.1)	(0.4)
Income (loss) from continuing operations	21.7	(5.4)
Income from discontinued operations, net of income taxes	-	52.9
Net income	21.7	47.5
Preferred stock dividend requirements	0.4	0.4
Earnings available for common shareholders	\$ 21.3	\$ 47.1
Average number of basic common shares outstanding	119.2	85.9
Basic and diluted earnings (loss) per common share		
Continuing operations	\$ 0.18	\$ (0.07)
Discontinued operations	-	0.62
Basic and diluted earnings per common share	\$ 0.18	\$ 0.55
Cash dividends per common share	\$ 0.2075	\$ 0.415

The Notes to the Consolidated Financial Statements in the Company's Quarterly Report on Form 10-Q for the period ended March 31, 2009, should be read in conjunction with this financial information.

GREAT PLAINS ENERGY
Consolidated Balance Sheets
(Unaudited)

	March 31 2009	December 31 2008
(millions, except share amounts)		
ASSETS		
Current Assets		
Cash and cash equivalents	\$ 83.3	\$ 61.1
Funds on deposit	7.8	10.8
Receivables, net	186.8	242.3
Fuel inventories, at average cost	90.5	87.0
Materials and supplies, at average cost	106.0	99.3
Deferred refueling outage costs	10.1	12.4
Refundable income taxes	29.5	26.0
Deferred income taxes	32.0	28.6
Assets held for sale	16.8	16.3
Derivative instruments	1.5	4.8
Prepaid expenses	18.2	15.2
Total	582.5	603.8
Nonutility Property and Investments		
Affordable housing limited partnerships	13.7	13.9
Nuclear decommissioning trust fund	93.8	96.9
Other	40.8	41.1
Total	148.3	151.9
Utility Plant, at Original Cost		
Electric	8,138.7	7,940.8
Less-accumulated depreciation	3,639.4	3,582.5
Net utility plant in service	4,499.3	4,358.3
Construction work in progress	1,706.8	1,659.1
Nuclear fuel, net of amortization of \$115.2 and \$110.8	76.6	63.9
Total	6,282.7	6,081.3
Deferred Charges and Other Assets		
Regulatory assets	834.7	824.8
Goodwill	169.5	156.0
Derivative instruments	6.3	13.0
Other	40.1	38.5
Total	1,050.6	1,032.3
Total	\$ 8,064.1	\$ 7,869.3

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GREAT PLAINS ENERGY
Consolidated Balance Sheets
(Unaudited)

	March 31 2009	December 31 2008
LIABILITIES AND CAPITALIZATION		
(millions, except share amounts)		
Current Liabilities		
Notes payable	\$ 285.6	\$ 204.0
Commercial paper	208.6	380.2
Current maturities of long-term debt	70.5	70.7
Accounts payable	342.9	418.0
Accrued taxes	50.0	27.7
Accrued interest	67.1	72.4
Accrued compensation and benefits	33.6	29.7
Pension and post-retirement liability	4.7	4.7
Derivative instruments	0.4	86.2
Other	35.7	43.8
Total	1,099.1	1,337.4
Deferred Credits and Other Liabilities		
Deferred income taxes	364.7	387.1
Deferred tax credits	113.0	105.5
Asset retirement obligations	126.3	124.3
Pension and post-retirement liability	452.6	445.6
Regulatory liabilities	206.3	209.4
Other	115.6	112.8
Total	1,378.5	1,384.7
Capitalization		
Great Plains Energy common shareholders' equity		
Common stock-150,000,000 shares authorized without par value		
123,391,421 and 119,375,923 shares issued, stated value	2,172.9	2,118.4
Retained earnings	485.8	489.3
Treasury stock-236,695 and 120,677 shares, at cost	(6.2)	(3.6)
Accumulated other comprehensive loss	(52.7)	(53.5)
Total	2,599.8	2,550.6
Noncontrolling interest	1.0	1.0
Total common shareholders' equity	2,600.8	2,551.6
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	2,946.7	2,556.6
Total	5,586.5	5,147.2
Commitments and Contingencies		
Total	\$ 8,064.1	\$ 7,869.3

The Notes to the Consolidated Financial Statements in the Company's Quarterly Report on Form 10-Q for the period ended March 31, 2009, should be read in conjunction with this financial information.

GREAT PLAINS ENERGY
Consolidated Statements of Cash Flows
(Unaudited)

Three Months Ended March 31	2009	2008
Cash Flows from Operating Activities	(millions)	
Net income	\$ 21.7	\$ 47.5
Adjustments to reconcile income to net cash from operating activities:		
Depreciation and amortization	69.0	52.2
Amortization of:		
Nuclear fuel	4.4	3.3
Other	(3.9)	2.2
Deferred income taxes, net	(23.2)	33.8
Investment tax credit amortization	(0.6)	(0.3)
Loss from equity investments, net of income taxes	0.1	0.4
Fair value impacts from energy contracts - Strategic Energy	-	(83.1)
Fair value impacts from interest rate hedging	-	21.9
Other operating activities	(64.0)	(2.0)
Net cash from operating activities	<u>3.5</u>	<u>75.9</u>
Cash Flows from Investing Activities		
Utility capital expenditures	(303.1)	(182.1)
Allowance for borrowed funds used during construction	(9.6)	(5.0)
Payment to Black Hills for asset sale working capital adjustment	(7.7)	-
Purchases of nuclear decommissioning trust investments	(12.8)	(14.5)
Proceeds from nuclear decommissioning trust investments	11.8	13.6
Other investing activities	2.6	(5.8)
Net cash from investing activities	<u>(318.8)</u>	<u>(193.8)</u>
Cash Flows from Financing Activities		
Issuance of common stock	52.6	2.3
Issuance of long-term debt	406.8	350.0
Issuance fees	(3.8)	(3.0)
Repayment of long-term debt	(1.3)	-
Net change in short-term borrowings	(90.0)	(175.9)
Dividends paid	(25.2)	(36.2)
Other financing activities	(1.6)	(0.6)
Net cash from financing activities	<u>337.5</u>	<u>136.6</u>
Net Change in Cash and Cash Equivalents	<u>22.2</u>	<u>18.7</u>
Cash and Cash Equivalents at Beginning of Year (includes \$43.1 million of cash included in assets of discontinued operations in 2008)	<u>61.1</u>	<u>67.1</u>
Cash and Cash Equivalents at End of Period (includes \$69.1 million of cash included in assets of discontinued operations in 2008)	<u>\$ 83.3</u>	<u>\$ 85.8</u>

The Notes to the Consolidated Financial Statements in the Company's Quarterly Report on Form 10-Q for the period ended March 31, 2009, should be read in conjunction with this financial information.

Great Plains Energy Incorporated
(Unaudited)

Electric Utility Operating Income

	Three Months Ended	
	March 31	
	2009	2008
	(millions)	
Operating revenues	\$ 419.2	\$ 297.6
Fuel	(87.6)	(54.7)
Purchased power	(57.2)	(30.8)
Other operating expenses	(181.2)	(132.5)
Depreciation and amortization	(69.0)	(50.2)
Operating income	<u>\$ 24.2</u>	<u>\$ 29.4</u>

Electric Utility Revenues

	Three Months Ended		% Change*
	March 31		
	2009	2008	
	(millions)		
Retail revenues			
Residential	\$ 168.8	\$ 100.4	NM
Commercial	157.3	112.1	NM
Industrial	35.5	24.3	NM
Other retail revenues	3.9	2.4	NM
Fuel recovery mechanism under (over) recovery	11.8	9.5	NM
Total retail	<u>377.3</u>	<u>248.7</u>	NM
Wholesale revenues	28.7	43.1	NM
Other revenues	13.2	5.8	NM
Electric utility revenues	<u>\$ 419.2</u>	<u>\$ 297.6</u>	NM

Electric Utility MWh Sales

	Three Months Ended		% Change*
	March 31		
	2009	2008	
	(thousands)		
Retail MWh sales			
Residential	2,291	1,406	NM
Commercial	2,550	1,854	NM
Industrial	729	481	NM
Other retail MWh sales	29	15	NM
Total retail	<u>5,599</u>	<u>3,756</u>	NM
Wholesale MWh sales	813	943	NM
Electric utility MWh sales	<u>6,412</u>	<u>4,699</u>	NM

* NM - not meaningful due to GMO numbers not reflected for the three months ended March 31, 2008. GMO was acquired on July 14, 2008.

Electric Utility Customers at March 31, 2009

Residential	723,700
Commercial	95,600
Industrial	2,300
Other	400
Total retail customers	<u>822,000</u>

Kansas City Power & Light Company
(Unaudited)

KCP&L Operating Income

	Three Months Ended March 31	
	2009	2008
	(millions)	
Operating revenues	\$ 277.5	\$ 297.6
Fuel	(52.7)	(54.7)
Purchased power	(24.4)	(30.8)
Other operating expenses	(133.9)	(132.5)
Depreciation and amortization	(51.6)	(50.2)
Operating income	<u>\$ 14.9</u>	<u>\$ 29.4</u>

KCP&L Revenues

	Three Months Ended March 31		%
	2009	2008	
	(millions)		
Retail revenues			
Residential	\$ 98.5	\$ 100.4	(2)
Commercial	115.2	112.1	3
Industrial	23.5	24.3	(4)
Other retail revenues	2.6	2.4	10
Fuel recovery mechanism under (over) recovery	4.8	9.5	(50)
Total retail	<u>244.6</u>	<u>248.7</u>	(2)
Wholesale revenues	27.3	43.1	(37)
Other revenues	5.6	5.8	(3)
KCP&L revenues	<u>\$ 277.5</u>	<u>\$ 297.6</u>	(7)

KCP&L MWh Sales

	Three Months Ended March 31		%
	2009	2008	
	(thousands)		
Retail MWh sales			
Residential	1,310	1,406	(7)
Commercial	1,809	1,854	(2)
Industrial	450	481	(6)
Other retail MWh sales	23	15	54
Total retail	<u>3,592</u>	<u>3,756</u>	(4)
Wholesale MWh sales	777	943	(18)
KCP&L electric MWh sales	<u>4,369</u>	<u>4,699</u>	(7)

KCP&L Customers at March 31, 2009

Residential	450,400
Commercial	57,900
Industrial	2,100
Other	100
Total retail customers	<u>510,500</u>

KCP&L Statistics

	Three Months Ended March 31	
	2009	2008
Average non-firm wholesale price per MWh	\$ 30.96	\$ 46.25
Heating degree days	2,548	2,949
Equivalent availability - coal plants	61 %	72 %
Capacity factor - coal plants	56 %	68 %
Equivalent availability - nuclear	100 %	79 %
Capacity factor - nuclear	100 %	79 %

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

GMO Utility Operating Income

	Three Months Ended March 31 2009
	(millions)
Operating revenues	\$ 141.7
Fuel	(34.9)
Purchased power	(32.8)
Other operating expenses	(47.3)
Depreciation and amortization	(17.4)
Operating income	\$ 9.3

GMO Utility Revenues

	Three Months Ended March 31 2009
	(millions)
Retail revenues	\$ 70.3
Residential	42.1
Commercial	12.0
Industrial	1.3
Other retail revenues	7.0
Fuel recovery mechanism under (over) recovery	132.7
Total retail	1.4
Wholesale revenues	7.6
Other revenues	7.6
Total revenues	\$ 141.7

GMO Utility MWh Sales

	Three Months Ended March 31 2009
	(thousands)
Retail MWh sales	981
Residential	741
Commercial	279
Industrial	6
Other retail MWh sales	2,007
Total retail	36
Wholesale MWh sales	2,043
Electric MWh sales	2,043

GMO Utility Customers at March 31, 2009

Residential	273,300
Commercial	37,700
Industrial	200
Other	300
Total retail customers	311,500

GMO Utility Statistics

	Three Months Ended March 31 2009
Heating degree days	2,548
Equivalent availability - coal plants	72 %
Capacity factor - coal plants	63 %

KCP&L Greater Missouri Operations Company
Missouri Public Service and St. Joseph Light &
Power Divisions
(Unaudited)

Operating Income

	2008
	(millions)
Operating revenues	\$ 672.3
Fuel	(120.7)
Purchased power	(192.0)
Other operating expenses	(217.3)
Depreciation and amortization	(65.2)
Operating income	\$ 77.1

Retail Revenues

	2008
	(millions)
Retail revenues	\$ 622.2
Residential	319.0
Commercial	223.7
Industrial	73.5
Other retail revenues	6.0
Total retail revenues	\$ 622.2

Retail MWh Sales

	2008
	(thousands)
Retail MWh sales	8,103
Residential	3,536
Commercial	3,164
Industrial	1,368
Other retail MWh sales	35
Total retail MWh sales	8,103